

Transmission Tier 3 Capital Projects

# PNM Exhibit JRM-8

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**Electronic Instructions:**

To view detailed costs for each project, click project to highlight then Press "CTRL" and left click on mouse.

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Wednesday, November 16, 2016

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PNM EXHIBIT JRM-8-Transmission Tier 3 Capital Projects

Link/Test

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Total

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***Blanket***

***Project No: 22007111 SNM Misc 69Kv Line Impr.***

Company: 035-PNM TNMPNM Transmission  
Location: 220 Transmission

Project Information

<u>Construction Start Date</u>	1/1/2015	<u>Estimated Completion Date</u>
<u>List Interim In-Service Dates</u>		

Project Need Justification

This project provides capital expenditures for upgrades and replacements needed to maintain safe and reliable operation of the 69kV transmission system. NMPRC Rule 17.9.560,Service Standards for Electric Utilities Rules, outlines requirements for following electrical and safety standards (NESC), minimizing interruption of service, and protective safety measures. In maintaining transmission system an upgrade may be identified that will increase system reliability and build in safer operations. By not performing replacement work, system reliability could be impacted and PNM personnel would be at an increased risk.

Project Alternatives

This is a Blanket Improvement Authorization where multiple work orders will be written for small capital replacement or improvements. Individual alternatives are assessed at work order level.

Technical Aspects

The funds for this project will cover the internal and external labor, equipment, and materials associated with the replacement of the equipment and upgrading of system. The material purchased for replacement or upgrades includes poles, cross timbers, line switches, insulators, anchors and conductors.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	22007111	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-39	-39	-39	-116		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			91	18	18	19	19	19	184		
929-AFUDC - Equity Regular	0			99	20	20	20	20	20	199		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			190	38	38	0	0	0	267		
825-Clearings	0			-32,606	0	0	0	0	-8,228	-40,835		
Clr Sum	0			-32,606	0	0	0	0	-8,228	-40,835		
Proj Net	0			-32,416	38	38	0	0	-8,228	-40,567		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	22007111	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-116	0	0	0	0	0	0	0	0	0	0	0	0	-116
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
914-Pension and Benefits Load		0	0	0	0	0	0	0	0	0	0	0	0	0	0
915-Injuries and Damages Load		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	928-AFUDC Debt Reg	184	0	0	0	0	0	0	0	0	0	0	0	0	184
929-AFUDC - Equity Regular		199	0	0	0	0	0	0	0	0	0	0	0	0	199
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	267	0	0	0	0	0	0	0	0	0	0	0	0	267
	825-Clearings	-40,835	0	0	0	0	0	0	0	0	0	0	0	0	-40,835
	Clr Sum	-40,835	0	0	0	0	0	0	0	0	0	0	0	0	-40,835
Proj Net		-40,567	0	0	0	0	0	0	0	0	0	0	0	0	-40,567

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	22007111	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-116	0	0	0	0	0	0	0	0	0	0	0	0	-116
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	928-AFUDC Debt Reg	184	0	0	0	0	0	0	0	0	0	0	0	0	184
	929-AFUDC - Equity Regular	199	0	0	0	0	0	0	0	0	0	0	0	0	199
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	267	0	0	0	0	0	0	0	0	0	0	0	0	267
	825-Clearings	-40,835	0	0	0	0	0	0	0	0	0	0	0	0	-40,835
	Clr Sum	-40,835	0	0	0	0	0	0	0	0	0	0	0	0	-40,835
	Proj Net	-40,567	0	0	0	0	0	0	0	0	0	0	0	0	-40,567



***Project No: 64807116 Reeves Relay Print Upgrade***

Company: 002-Transmission Services  
Location: 648 Transmission

Project Information

Construction Start Date 1/13/2017 Estimated Completion Date 2/28/2017

List Interim In-Service Dates

Project Need Justification

To meet NERC requirement NM Operations must conduct a thorough review of its schematic diagrams and make any necessary corrections to comply with NERC Maintenance requirements .

Project Alternatives

The do nothing option is not applicable due to the fact that updating these schematics is a NERC requirement. Furthermore, failure to meet NERC requirements can result in significant penalties which far exceed the value of the needed improvements.

Technical Aspects

Review of the schematic diagrams and make necessary corrections.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	64807116	Year	2016								
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0			0	0	0	0	0	0	0	
120-Overtime-General	0			0	0	0	0	0	0	0	
350-Material Issues-Major	0			0	0	0	0	0	0	0	
370-Outside Services	0			0	0	0	0	0	0	0	
374-Outside Svcs Legal	0			0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0	
530-Employee Expense	0			0	0	0	0	0	0	0	
610-Expenses - General	0			0	0	0	0	0	0	0	
805-Land and Land Rights	0			0	0	0	0	0	0	0	
807-Non Refundable Contribution	0			0	0	0	0	0	0	0	
829-Construction Adjustment	0			0	0	0	0	0	0	0	
426-Capitalized Interest	0			0	0	0	0	0	0	0	
908-Luna AR - Labor	0			0	0	0	0	0	0	0	
909-Luna AR - Other	0			0	0	0	0	0	0	0	
913-Payroll Taxes Load	0			0	0	0	0	0	0	0	
914-Pension and Benefits Load	0			0	0	0	0	0	0	0	
915-Injuries and Damages Load	0			0	0	0	0	0	0	0	
918-San Juan AR-Labor	0			0	0	0	0	0	0	0	
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0	
922-Minor Material Load	0			0	0	0	0	0	0	0	
925-E and S Loads	0			0	0	0	0	0	0	0	
926-A and G Loads	0			0	0	0	0	0	0	0	
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0	
937-San Juan AR - Other	0			0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0	
Cost Sum	0			0	0	0	0	0	0	0	
825-Clearings	0			0	0	0	0	0	0	0	
Clr Sum	0			0	0	0	0	0	0	0	
Proj Net	0			0	0	0	0	0	0	0	

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	64807116	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	1,500	1,500	0	0	0	0	0	0	0	0	0	0	3,000	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
370-Outside Services	0	10,000	10,000	0	0	0	0	0	0	0	0	0	0	20,000	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	118	118	0	0	0	0	0	0	0	0	0	0	235	
914-Pension and Benefits Load	0	409	409	0	0	0	0	0	0	0	0	0	0	819	
915-Injuries and Damages Load	0	93	93	0	0	0	0	0	0	0	0	0	0	187	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	330	330	0	0	0	0	0	0	0	0	0	0	659	
926-A and G Loads	0	773	773	0	0	0	0	0	0	0	0	0	0	1,546	
928-AFUDC Debt Reg	0	17	52	0	0	0	0	0	0	0	0	0	0	69	
929-AFUDC - Equity Regular	0	23	68	0	0	0	0	0	0	0	0	0	0	91	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	0	13,263	13,342	0	0	0	0	0	0	0	0	0	0	26,605	
825-Clearings	0	0	-26,605	0	0	0	0	0	0	0	0	0	0	-26,605	
Clr Sum	0	0	-26,605	0	0	0	0	0	0	0	0	0	0	-26,605	
Proj Net	0	13,263	-13,263	0	0	0	0	0	0	0	0	0	0	0	

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	64807116	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	3,000	0	0	0	0	0	0	0	0	0	0	0	0	3,000	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
370-Outside Services	20,000	0	0	0	0	0	0	0	0	0	0	0	0	20,000	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	235	0	0	0	0	0	0	0	0	0	0	0	0	235	
914-Pension and Benefits Load	819	0	0	0	0	0	0	0	0	0	0	0	0	819	
915-Injuries and Damages Load	187	0	0	0	0	0	0	0	0	0	0	0	0	187	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	659	0	0	0	0	0	0	0	0	0	0	0	0	659	
926-A and G Loads	1,546	0	0	0	0	0	0	0	0	0	0	0	0	1,546	
928-AFUDC Debt Reg	69	0	0	0	0	0	0	0	0	0	0	0	0	69	
929-AFUDC - Equity Regular	91	0	0	0	0	0	0	0	0	0	0	0	0	91	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	26,605	0	0	0	0	0	0	0	0	0	0	0	0	26,605	
825-Clearings	-26,605	0	0	0	0	0	0	0	0	0	0	0	0	-26,605	
Clr Sum	-26,605	0	0	0	0	0	0	0	0	0	0	0	0	-26,605	
Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

**Project No: 65007914 Transmission Relay IA**

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

Construction Start Date 1/6/2014 Estimated Completion Date

List Interim In-Service Dates

3 times per year

Project Need Justification

This is an annual program that involves the replacement and upgrade of existing Protection and Control equipment. The equipment being replaced is either obsolete, no longer supported by the vendor, or nearing the end of its useful life. Typical equipment covered by this project include replacing relays, fault recorders, and test switches. Another component may include replacing the relay packages with microprocessor relay packages These upgrades are necessary to ensure PNM is able to retrieve NERC mandated information, minimize the risk of equipment failure (which could impact reliability), and make improvements to make the working areas safer.

Project Alternatives

There are no real alternatives as the condition of the equipment or lack of vendor support dictates that it should be replaced. However, specific projects are approved as they come up and alternatives are evaluated on a case-by-case basis.

Technical Aspects

Present backup relay package [Slik Slicom (80's technology)] relays need to be replaced with present relay technology [SEL microprocessor (2015 technology)].The specific scope of this project is to replace backup relay package for the WS line. The WS line is 345KV line that runs from W Mesa Station to Sandia Station. The backup relay package is no longer supported by vendors and cannot be maintained by present work force. Therefore the recommendation is for replacement.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65007914	Year	2016								
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0			1,000	1,000	1,000	1,000	1,000	1,000	6,000	
120-Overtime-General	0			0	0	0	0	0	0	0	
350-Material Issues-Major	0			0	4,167	0	0	4,167	0	8,333	
370-Outside Services	0			0	0	0	0	0	0	0	
374-Outside Svcs Legal	0			0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0	
530-Employee Expense	0			0	0	0	0	0	0	0	
610-Expenses - General	0			0	0	0	0	0	0	0	
805-Land and Land Rights	0			0	0	0	0	0	0	0	
807-Non Refundable Contribution	0			0	0	0	0	0	0	0	
829-Construction Adjustment	0			0	0	0	-16	-16	-16	-47	
426-Capitalized Interest	0			0	0	0	0	0	0	0	
908-Luna AR - Labor	0			0	0	0	0	0	0	0	
909-Luna AR - Other	0			0	0	0	0	0	0	0	
913-Payroll Taxes Load	0			79	79	79	79	79	79	472	
914-Pension and Benefits Load	0			299	299	299	299	299	299	1,796	
915-Injuries and Damages Load	0			65	65	65	65	65	65	391	
918-San Juan AR-Labor	0			0	0	0	0	0	0	0	
921-Stores / Purchasing Load	0			0	151	0	0	151	0	302	
922-Minor Material Load	0			0	0	0	0	0	0	0	
925-E and S Loads	0			115	449	115	115	449	115	1,359	
926-A and G Loads	0			83	430	83	83	430	83	1,193	
928-AFUDC Debt Reg	0			2	11	21	7	17	26	84	
929-AFUDC - Equity Regular	0			2	12	22	8	18	28	91	
937-San Juan AR - Other	0			0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0	
Cost Sum	0			1,646	6,663	1,685	1,642	6,659	1,681	19,975	
825-Clearings	0			0	0	-7,495	0	0	-9,360	-16,855	
Clr Sum	0			0	0	-7,495	0	0	-9,360	-16,855	
Proj Net	0			1,646	6,663	-5,810	1,642	6,659	-7,679	3,120	

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65007914	Year	2017											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	6,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	18,000
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350-Material Issues-Major	8,333	0	4,167	0	0	4,167	0	0	4,167	0	0	4,167	0	25,000
370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
829-Construction Adjustment	-47	-20	-20	0	0	0	0	0	0	0	0	0	0	-87
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	472	78	78	78	78	78	78	78	78	78	78	78	78	1,413
914-Pension and Benefits Load	1,796	273	273	273	273	273	273	273	273	273	273	273	273	5,071
915-Injuries and Damages Load	391	62	62	62	62	62	62	62	62	62	62	62	62	1,138
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	302	0	298	0	0	298	0	0	298	0	0	298	0	1,493
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads	1,359	38	152	38	38	152	38	38	152	38	38	152	38	2,274
926-A and G Loads	1,193	67	347	67	67	347	67	67	347	67	67	347	67	3,119
928-AFUDC Debt Reg	84	10	20	31	10	21	31	10	21	31	10	21	31	331
929-AFUDC - Equity Regular	91	13	27	40	13	27	41	13	27	41	13	27	41	415
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNM D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	19,975	1,523	6,404	1,590	1,543	6,425	1,591	1,543	6,425	1,591	1,543	6,425	1,591	58,168
825-Clearings	-16,855	0	0	-9,478	0	0	-9,538	0	0	-9,553	0	0	-9,557	-54,982
Clr Sum	-16,855	0	0	-9,478	0	0	-9,538	0	0	-9,553	0	0	-9,557	-54,982
Proj Net	3,120	1,523	6,404	-7,888	1,543	6,425	-7,947	1,543	6,425	-7,963	1,543	6,425	-7,966	3,186

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65007914	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	18,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	30,000	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	25,000	0	4,167	0	0	4,167	0	0	4,167	0	0	4,167	0	41,667	
370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-87	0	0	0	0	0	0	0	0	0	0	0	0	-87	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	1,413	78	78	78	78	78	78	78	78	78	78	78	78	2,354	
914-Pension and Benefits Load	5,071	273	273	273	273	273	273	273	273	273	273	273	273	8,346	
915-Injuries and Damages Load	1,138	62	62	62	62	62	62	62	62	62	62	62	62	1,884	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	1,493	0	298	0	0	298	0	0	298	0	0	298	0	2,685	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	2,274	38	152	38	38	152	38	38	152	38	38	152	38	3,189	
926-A and G Loads	3,119	67	347	67	67	347	67	67	347	67	67	347	67	5,045	
928-AFUDC Debt Reg	331	10	21	31	10	21	31	10	21	31	10	21	31	579	
929-AFUDC - Equity Regular	415	9	19	28	9	19	28	9	19	28	9	19	28	638	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	58,168	1,539	6,416	1,578	1,539	6,416	1,578	1,539	6,416	1,578	1,539	6,416	1,578	96,301	
825-Clearings	-54,982	0	0	-9,539	0	0	-9,535	0	0	-9,534	0	0	-9,533	-93,123	
Clr Sum	-54,982	0	0	-9,539	0	0	-9,535	0	0	-9,534	0	0	-9,533	-93,123	
Proj Net	3,186	1,539	6,416	-7,961	1,539	6,416	-7,957	1,539	6,416	-7,955	1,539	6,416	-7,955	3,178	



***Project No: 65034010 2010 Co 2 Tools & Equipment***

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

Construction Start Date 1/1/2015 Estimated Completion Date

List Interim In-Service Dates

Quarterly clearings will occur on the following dates: 03-15, 06-15, 09-15, 12-15.

Project Need Justification

This project is to purchase transmission tools and equipment. The new tools and equipment replaces defective equipment and will enable the transmission areas to improve its productivity or ensure the safety of its employees while performing work. Use of the tools includes, but is not limited to, maintenance of substation equipment and transmission equipment.

Project Alternatives

There are no alternatives for this project. Not purchasing the equipment will hurt the effectiveness of PNM employees conducting transmission work, and potentially increase costs as time required to perform work will take longer. Replacing the defective tools and equipment is the appropriate option as it provides the Transmission area employees the resources necessary to perform their work tasks. Tools and equipment alternatives are evaluated at the replacement level.

Technical Aspects

The tools and equipment that are to be purchased include, but are not limited to, a magnetic drill press, hydraulic paving breaker, streamline robo crimp, cordless phasing sets, a cable cutter, recording devices for power and voltage monitoring and surveying equipment for engineering of power line construction.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65034010	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	41			0	0	0	0	0	0	41		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			847	7,929	0	0	7,929	0	16,705		
370-Outside Services	27,222			0	0	0	0	0	0	27,222		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	22,057			0	0	0	0	0	0	22,057		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-8	-8	-8	-25		
426-Capitalized Interest	9,902			2	24	41	8	26	46	10,049		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	3			0	0	0	0	0	0	3		
914-Pension and Benefits Load	14			0	0	0	0	0	0	14		
915-Injuries and Damages Load	4			0	0	0	0	0	0	4		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	3,948			31	287	0	0	287	0	4,553		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	47,319			70	660	0	0	660	0	48,709		
928-AFUDC Debt Reg	196			0	0	0	0	0	0	196		
929-AFUDC - Equity Regular	121			0	0	0	0	0	0	121		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	110,828			950	8,900	41	0	8,894	37	129,650		
825-Clearings	-723,999			0	0	-7,913	0	0	-10,910	-742,821		
Clr Sum	-723,999			0	0	-7,913	0	0	-10,910	-742,821		
Proj Net	-613,171			950	8,900	-7,872	0	8,894	-10,872	-613,171		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65034010	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	41	0	0	0	0	0	0	0	0	0	0	0	0	41	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	16,705	0	7,929	0	0	7,929	0	0	7,929	0	0	7,929	0	48,421	
370-Outside Services	27,222	0	0	0	0	0	0	0	0	0	0	0	0	27,222	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	22,057	0	0	0	0	0	0	0	0	0	0	0	0	22,057	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-25	0	0	0	0	0	0	0	0	0	0	0	0	-25	
426-Capitalized Interest	10,049	0	17	39	8	27	45	9	29	47	10	28	49	10,357	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	3	0	0	0	0	0	0	0	0	0	0	0	0	3	
914-Pension and Benefits Load	14	0	0	0	0	0	0	0	0	0	0	0	0	14	
915-Injuries and Damages Load	4	0	0	0	0	0	0	0	0	0	0	0	0	4	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	4,553	0	567	0	0	567	0	0	567	0	0	567	0	6,821	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	48,709	0	533	0	0	533	0	0	533	0	0	533	0	50,840	
928-AFUDC Debt Reg	196	0	0	0	0	0	0	0	0	0	0	0	0	196	
929-AFUDC - Equity Regular	121	0	0	0	0	0	0	0	0	0	0	0	0	121	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	129,650	0	9,046	39	8	9,056	45	9	9,057	47	10	9,057	49	166,073	
825-Clearings	-742,821	0	0	-7,268	0	0	-8,740	0	0	-9,039	0	0	-11,375	-779,244	
Clr Sum	-742,821	0	0	-7,268	0	0	-8,740	0	0	-9,039	0	0	-11,375	-779,244	
Proj Net	-613,171	0	9,046	-7,229	8	9,056	-8,695	9	9,057	-8,992	10	9,057	-11,326	-613,171	

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65034010	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	41	0	0	0	0	0	0	0	0	0	0	0	0	41	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	48,421	0	7,929	0	0	7,929	0	0	7,929	0	0	7,829	0	80,037	
370-Outside Services	27,222	0	0	0	0	0	0	0	0	0	0	0	0	27,222	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	22,057	0	0	0	0	0	0	0	0	0	0	0	0	22,057	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-25	0	0	0	0	0	0	0	0	0	0	0	0	-25	
426-Capitalized Interest	10,357	0	18	39	38	26	39	41	24	39	40	23	40	10,725	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	3	0	0	0	0	0	0	0	0	0	0	0	0	3	
914-Pension and Benefits Load	14	0	0	0	0	0	0	0	0	0	0	0	0	14	
915-Injuries and Damages Load	4	0	0	0	0	0	0	0	0	0	0	0	0	4	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	6,821	0	567	0	0	567	0	0	567	0	0	560	0	9,081	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	50,840	0	533	0	0	533	0	0	533	0	0	526	0	52,965	
928-AFUDC Debt Reg	196	0	0	0	0	0	0	0	0	0	0	0	0	196	
929-AFUDC - Equity Regular	121	0	0	0	0	0	0	0	0	0	0	0	0	121	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNM D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	166,073	0	9,047	39	38	9,054	39	41	9,053	39	40	8,938	40	202,442	
825-Clearings	-779,244	0	0	0	-7,300	0	0	-8,768	0	0	-9,059	0	-8,994	-813,365	
Clr Sum	-779,244	0	0	0	-7,300	0	0	-8,768	0	0	-9,059	0	-8,994	-813,365	
Proj Net	-613,171	0	9,047	39	-7,261	9,054	39	-8,727	9,053	39	-9,019	8,938	-8,954	-610,922	

***Specifics***

***Project No: 22007410 Southern New Mexico Mining Load Shedding***

Company: 035-PNM TNMPNM Transmission  
Location: 220 Transmission

Project Information

Construction Start Date 9/1/2017 Estimated Completion Date 12/31/2017

List Interim In-Service Dates

Project Need Justification

The Southwestern New Mexico load area includes PNM loads in Silver City and Lordsburg as well as other large mining loads. Technical studies have identified low voltage on the Southwestern New Mexico 115 kV system and associated transmission facilities. To address these voltage issues this project will modify the existing mining load shedding arrangements to accommodate additional contingencies that are not factored into the existing system design. Without this project PNM will be in violation of NERC's Transmission Planning compliance standards (TPL).

Project Alternatives

Installing additional voltage support was considered as an alternative to this project. However, since the mining load is interruptible, load shedding was selected due to the costs associated with system enhancements.

Technical Aspects

A study will be conducted to define the required changes to existing load shedding arrangements. Once the study is complete, anticipated activities include installing equipment required to monitor and communicate load quantities and modifying existing logic to trip load for additional system conditions.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	22007410	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	0		0	0	0	0	0	0	0		
	120-Overtime-General	0		0	0	0	0	0	0	0		
	350-Material Issues-Major	0		0	0	0	0	0	0	0		
	370-Outside Services	0		0	0	0	0	0	0	0		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	0		0	0	0	0	0	0	0		
	914-Pension and Benefits Load	0		0	0	0	0	0	0	0		
	915-Injuries and Damages Load	0		0	0	0	0	0	0	0		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	0		0	0	0	0	0	0	0		
	922-Minor Material Load	0		0	0	0	0	0	0	0		
	925-E and S Loads	0		0	0	0	0	0	0	0		
	926-A and G Loads	0		0	0	0	0	0	0	0		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	0		0	0	0	0	0	0	0		
	825-Clearings	0		0	0	0	0	0	0	0		
	Clr Sum	0		0	0	0	0	0	0	0		
	Proj Net	0		0	0	0	0	0	0	0		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	22007410	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	7,980	6,510	6,510	0	21,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	4,500	11,010	6,510	0	22,020
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	626	510	510	0	1,646
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	2,178	1,777	1,777	0	5,731
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	496	405	405	0	1,306
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	322	787	465	0	1,574
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	429	550	427	0	1,406
	926-A and G Loads	0	0	0	0	0	0	0	0	0	839	1,177	875	0	2,891
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	23	75	128	151	377
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	30	98	168	199	494
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	0	0	0	0	0	0	0	0	0	17,422	22,900	17,775	350	58,447
	825-Clearings	0	0	0	0	0	0	0	0	0	0	0	0	-58,447	-58,447
	Clr Sum	0	0	0	0	0	0	0	0	0	0	0	0	-58,447	-58,447
	Proj Net	0	0	0	0	0	0	0	0	0	17,422	22,900	17,775	-58,097	0



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	22007410	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	21,000	0	0	0	0	0	0	0	0	0	0	0	0	21,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	22,020	0	0	0	0	0	0	0	0	0	0	0	0	22,020
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	1,646	0	0	0	0	0	0	0	0	0	0	0	0	1,646
	914-Pension and Benefits Load	5,731	0	0	0	0	0	0	0	0	0	0	0	0	5,731
	915-Injuries and Damages Load	1,306	0	0	0	0	0	0	0	0	0	0	0	0	1,306
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	1,574	0	0	0	0	0	0	0	0	0	0	0	0	1,574
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	1,406	0	0	0	0	0	0	0	0	0	0	0	0	1,406
	926-A and G Loads	2,891	0	0	0	0	0	0	0	0	0	0	0	0	2,891
	928-AFUDC Debt Reg	377	0	0	0	0	0	0	0	0	0	0	0	0	377
	929-AFUDC - Equity Regular	494	0	0	0	0	0	0	0	0	0	0	0	0	494
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	58,447	0	0	0	0	0	0	0	0	0	0	0	0	58,447
	825-Clearings	-58,447	0	0	0	0	0	0	0	0	0	0	0	0	-58,447
	Clr Sum	-58,447	0	0	0	0	0	0	0	0	0	0	0	0	-58,447
Proj Net		0	0	0	0	0	0	0	0	0	0	0	0	0	0

***Project No: 64807016 Autotransoformer ETM***

Company: 002-Transmission Services  
Location: 648 Transmission

Project information

<u>Construction Start Date</u>	1/20/2017	<u>Estimated Completion Date</u>	10/31/2019
<u>List Interim In-Service Dates</u>			

Project Need Justification

The project is to replace the thermal transformer protection relays with the Electronic Thermal monitors on older transformers to provide more reliable operation and protection of transformers from thermal events.

Project Alternatives

The only alternative would be to do nothing. This approach was not selected because it increases the risks of unplanned outages

Technical Aspects

Project involves the replacement of the thermal transformer protection relays with the Electronic Thermal monitors on older transformers

Project Estimate Approach

This project was estimated using the standard procedure used by the Substation department. Basic material is estimated using actual costs of past projects. These figures are updated in the estimating software periodically. For major equipment (ETM) we contacted our alliance vendors and requested information regarding the costs and schedules of these major items.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	64807016	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	0	0	0	0		
825-Clearings	0			0	0	0	0	0	0	0		
Clr Sum	0			0	0	0	0	0	0	0		
Proj Net	0			0	0	0	0	0	0	0		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	64807016	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	825-Clearings	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Clr Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	64807016	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	0	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	0	0	10,000
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350-Material Issues-Major	0	0	8,700	0	0	0	0	0	9,000	0	0	0	0	17,700
370-Outside Services	0	0	0	15,000	0	0	0	0	0	15,000	0	0	0	30,000
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	0	78	78	78	78	78	78	78	78	78	78	0	0	784
914-Pension and Benefits Load	0	273	273	273	273	273	273	273	273	273	273	0	0	2,729
915-Injuries and Damages Load	0	62	62	62	62	62	62	62	62	62	62	0	0	622
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	0	0	622	0	0	0	0	0	644	0	0	0	0	1,266
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads	0	38	275	446	38	38	38	38	283	446	38	0	0	1,682
926-A and G Loads	0	67	652	1,075	67	67	67	67	672	1,075	67	0	0	3,877
928-AFUDC Debt Reg	0	2	19	58	84	88	92	97	115	155	181	0	0	891
929-AFUDC - Equity Regular	0	2	17	52	75	79	83	87	104	139	163	0	0	803
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	0	1,523	11,699	18,045	1,678	1,687	1,695	1,703	12,231	18,229	1,863	0	0	70,353
825-Clearings	0	0	0	0	0	0	0	0	0	0	-70,353	0	0	-70,353
Clr Sum	0	0	0	0	0	0	0	0	0	0	-70,353	0	0	-70,353
Proj Net	0	1,523	11,699	18,045	1,678	1,687	1,695	1,703	12,231	18,229	-68,490	0	0	0

***Project No: 64807314 West Mesa Capacitor Bank replacement***

Company: 002-Transmission Services  
Location: 648 Transmission

Project Information

Construction Start Date 1/1/2015 Estimated Completion Date 7/31/2016

List Interim In-Service Dates

Project Need Justification

An internal fault in the capacitor bank produced large fault currents which the capacitor switching breaker failed to interrupt, leading to catastrophic failure of both devices. Damage caused by equipment failure is such that repairs are not feasible and total replacement is required. This capacitor bank is necessary to help regulate voltage on the 115kv system under periods of high electric load.

Project Alternatives

There are no longer any other alternatives. While mobile equipment has been placed into service until replacements can be made, this is not a long term solution. With only a limited number of such mobile devices, they must be kept available for emergency deployment and are not intended for long term installation. Furthermore, large customers have been adversely affected by the voltage dip associated with the failure of the existing equipment, and prompt permanent replacement is needed to restore the system to its highly reliable performance.

Technical Aspects

Replace 115kV capacitor bank and the capacitor bank switching device with properly rated new equipment based upon results of a technical review to determine the best replacement solution. Studies were performed to confirm the 48MVAR (mega volt ampere reactive) rating and the location (electronically) of its connection in the station, as well as the new increased fault duty rating for the capacitor bank switching device.

Project Estimate Approach

PNM has master agreements for major equipment including capacitors and breaker. PNM used recent historical costs for construction and minor materials estimate. Project costs for major materials such as capacitor banks and 115kv breaker represents make contribute ~40% of the project cost. Minor material such duct and control wiring contribute ~5%. Contactor labor contributes ~20%. PNM internal labor contributes ~35% of the total project cost.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	64807314	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	160,008			0	0	0	0	0	0	160,008		
120-Overtime-General	29,935			0	0	0	0	0	0	29,935		
350-Material Issues-Major	23,624			0	0	0	0	0	0	23,624		
370-Outside Services	351,455			0	0	0	0	0	0	351,455		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	506			0	0	0	0	0	0	506		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	2,805			0	0	0	0	0	0	2,805		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	15,268			0	0	0	0	0	0	15,268		
914-Pension and Benefits Load	51,568			0	0	0	0	0	0	51,568		
915-Injuries and Damages Load	14,614			0	0	0	0	0	0	14,614		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	4,159			0	0	0	0	0	0	4,159		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	36,108			0	0	0	0	0	0	36,108		
926-A and G Loads	71,490			0	0	0	0	0	0	71,490		
928-AFUDC Debt Reg	28,555			0	0	0	0	0	0	28,555		
929-AFUDC - Equity Regular	38,310			0	0	0	0	0	0	38,310		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	828,405			0	0	0	0	0	0	828,405		
825-Clearings	-1,140,731			-471	0	0	0	0	0	-1,141,202		
Clr Sum	-1,140,731			-471	0	0	0	0	0	-1,141,202		
Proj Net	-312,326			-471	0	0	0	0	0	-312,797		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	64807314	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	160,008	0	0	0	0	0	0	0	0	0	0	0	0	160,008
	120-Overtime-General	29,935	0	0	0	0	0	0	0	0	0	0	0	0	29,935
	350-Material Issues-Major	23,624	0	0	0	0	0	0	0	0	0	0	0	0	23,624
	370-Outside Services	351,455	0	0	0	0	0	0	0	0	0	0	0	0	351,455
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	506	0	0	0	0	0	0	0	0	0	0	0	0	506
391-Jt Proj Bills to PNM-Non-Labor	530-Employee Expense	2,805	0	0	0	0	0	0	0	0	0	0	0	0	2,805
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	15,268	0	0	0	0	0	0	0	0	0	0	0	0	15,268
914-Pension and Benefits Load	915-Injuries and Damages Load	51,568	0	0	0	0	0	0	0	0	0	0	0	0	51,568
	918-San Juan AR-Labor	14,614	0	0	0	0	0	0	0	0	0	0	0	0	14,614
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	4,159	0	0	0	0	0	0	0	0	0	0	0	0	4,159
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	36,108	0	0	0	0	0	0	0	0	0	0	0	0	36,108
	928-AFUDC Debt Reg	71,490	0	0	0	0	0	0	0	0	0	0	0	0	71,490
	929-AFUDC - Equity Regular	28,555	0	0	0	0	0	0	0	0	0	0	0	0	28,555
	937-San Juan AR - Other	38,310	0	0	0	0	0	0	0	0	0	0	0	0	38,310
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	828,405	0	0	0	0	0	0	0	0	0	0	0	0	828,405
	825-Clearings	-1,141,202	0	0	0	0	0	0	0	0	0	0	0	0	-1,141,202
	Clr Sum	-1,141,202	0	0	0	0	0	0	0	0	0	0	0	0	-1,141,202
Proj Net		-312,797	0	0	0	0	0	0	0	0	0	0	0	0	-312,797



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	64807314	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	160,008	0	0	0	0	0	0	0	0	0	0	0	0	160,008
	120-Overtime-General	29,935	0	0	0	0	0	0	0	0	0	0	0	0	29,935
	350-Material Issues-Major	23,624	0	0	0	0	0	0	0	0	0	0	0	0	23,624
	370-Outside Services	351,455	0	0	0	0	0	0	0	0	0	0	0	0	351,455
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	506	0	0	0	0	0	0	0	0	0	0	0	0	506
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	2,805	0	0	0	0	0	0	0	0	0	0	0	0	2,805
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	15,268	0	0	0	0	0	0	0	0	0	0	0	0	15,268
	914-Pension and Benefits Load	51,568	0	0	0	0	0	0	0	0	0	0	0	0	51,568
	915-Injuries and Damages Load	14,614	0	0	0	0	0	0	0	0	0	0	0	0	14,614
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	4,159	0	0	0	0	0	0	0	0	0	0	0	0	4,159
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	36,108	0	0	0	0	0	0	0	0	0	0	0	0	36,108
	926-A and G Loads	71,490	0	0	0	0	0	0	0	0	0	0	0	0	71,490
	928-AFUDC Debt Reg	28,555	0	0	0	0	0	0	0	0	0	0	0	0	28,555
	929-AFUDC - Equity Regular	38,310	0	0	0	0	0	0	0	0	0	0	0	0	38,310
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	828,405	0	0	0	0	0	0	0	0	0	0	0	0	828,405
	825-Clearings	-1,141,202	0	0	0	0	0	0	0	0	0	0	0	0	-1,141,202
	Clr Sum	-1,141,202	0	0	0	0	0	0	0	0	0	0	0	0	-1,141,202
	Proj Net	-312,797	0	0	0	0	0	0	0	0	0	0	0	0	-312,797

***Project No: 64807416 Rio Puerco Generator***

Company: 002-Transmission Services  
Location: 648 Transmission

Project Information

Construction Start Date 12/5/2016 Estimated Completion Date 6/30/2017

List Interim In-Service Dates

Project Need Justification

Rio Puerco is a critical generation station located in remote area. Existing redundant station service is provided primarily by a station service potential transformer (SSPT) and secondary by the Veranda Feeder 21 (a 12.47kV distribution source) which is approximately 16 miles long. Due its length and exposure, the Veranda Feeder has had poor reliability. Due to the fact that the SSPT utilizes power generated from the station, if the station were to lose power its only source for backup power is the Veranda Feeder. Since this feeder has poor reliability, this project involves installing a new generator to enable to station to self-generate electricity.

Project Alternatives

There are no other existing 12.47kV lines serving the area. Rebuilding the feeder is not cost effective as it serves little other load. Therefore the option selected is installing a new generator.

Technical Aspects

Work will involve installation of a self-contained generator and propane fuel tank with automatic start and throw-over control.

Project Estimate Approach

Proposals for packaged generator/fuel storage were solicited.generator control package was developed separately 15% PNM labor35% construction contract labor38% major equipment12% other including contingency, overheads and tax

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	64807416	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	0	0	0	0		
825-Clearings	0			0	0	0	0	0	0	0		
Clr Sum	0			0	0	0	0	0	0	0		
Proj Net	0			0	0	0	0	0	0	0		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	64807416	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	5,000	5,000	0	0	0	0	0	0	10,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	50,000	0	0	0	0	0	0	50,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	392	392	0	0	0	0	0	0	784
	914-Pension and Benefits Load	0	0	0	0	0	1,365	1,365	0	0	0	0	0	0	2,729
	915-Injuries and Damages Load	0	0	0	0	0	311	311	0	0	0	0	0	0	622
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	192	1,552	0	0	0	0	0	0	1,744
	926-A and G Loads	0	0	0	0	0	336	3,696	0	0	0	0	0	0	4,032
	928-AFUDC Debt Reg	0	0	0	0	0	10	101	0	0	0	0	0	0	111
	929-AFUDC - Equity Regular	0	0	0	0	0	13	133	0	0	0	0	0	0	146
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	0	0	0	0	0	7,619	62,549	0	0	0	0	0	0	70,168
	825-Clearings	0	0	0	0	0	0	-70,168	0	0	0	0	0	0	-70,168
	Clr Sum	0	0	0	0	0	0	-70,168	0	0	0	0	0	0	-70,168
	Proj Net	0	0	0	0	0	7,619	-7,619	0	0	0	0	0	0	0

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	64807416	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	10,000	0	0	0	0	0	0	0	0	0	0	0	0	10,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	50,000	0	0	0	0	0	0	0	0	0	0	0	0	50,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	784	0	0	0	0	0	0	0	0	0	0	0	0	784
914-Pension and Benefits Load		2,729	0	0	0	0	0	0	0	0	0	0	0	0	2,729
915-Injuries and Damages Load		622	0	0	0	0	0	0	0	0	0	0	0	0	622
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	1,744	0	0	0	0	0	0	0	0	0	0	0	0	1,744
	926-A and G Loads	4,032	0	0	0	0	0	0	0	0	0	0	0	0	4,032
	928-AFUDC Debt Reg	111	0	0	0	0	0	0	0	0	0	0	0	0	111
929-AFUDC - Equity Regular		146	0	0	0	0	0	0	0	0	0	0	0	0	146
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	70,168	0	0	0	0	0	0	0	0	0	0	0	0	70,168
	825-Clearings	-70,168	0	0	0	0	0	0	0	0	0	0	0	0	-70,168
	Clr Sum	-70,168	0	0	0	0	0	0	0	0	0	0	0	0	-70,168
Proj Net		0	0	0	0	0	0	0	0	0	0	0	0	0	0

***Project No: 64807514 Tome Switching Stn Gravel G&D***

Company: 002-Transmission Services  
Location: 648 Transmission

Project Information

Construction Start Date                      9/8/2014                      Estimated Completion Date                      12/31/2015

List Interim In-Service Dates

Project Need Justification

Tome Station is often flooded by off-site water. The rain water from a 50 acre basin located to the east of the station flows directly through the station, leaving alluvial sediments in the station gravel. The sediments in the gravel reduces the its insulating capabilities which reduces the associated step potential safety. For this reason PNM will regrade the station to address the ongoing flooding issues. There is also a significant amount of scour occurring next to some foundations. This scour does not impact the structural integrity of the foundation, but does pose a safety concern due to uneven ground. In addition, the water flows through the station and scours soil from under the station perimeter fence and compromises the recent station hardening efforts.

Project Alternatives

One alternative examined was replacing the gravel that has been washed away. While this is a less expensive option, it would not resolve the underlying issue of sediment washing away the gravel and does not address the flooding which will make gravel replacement an O&M routine. Grading the site to eliminate station flooding proves to be the best long term solution.

Technical Aspects

A hydrologic study was performed to determine the volume/duration of rain water. This information was the basis for the design for the berms and swales.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	64807514	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	506			0	0	0	0	0	0	506		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	20,676			0	0	0	0	0	0	20,676		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	38			0	0	0	0	0	0	38		
914-Pension and Benefits Load	147			0	0	0	0	0	0	147		
915-Injuries and Damages Load	38			0	0	0	0	0	0	38		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	139			0	0	0	0	0	0	139		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	631			0	0	0	0	0	0	631		
926-A and G Loads	1,769			0	0	0	0	0	0	1,769		
928-AFUDC Debt Reg	1,057			0	0	0	0	0	0	1,057		
929-AFUDC - Equity Regular	1,109			0	0	0	0	0	0	1,109		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	26,110			0	0	0	0	0	0	26,110		
825-Clearings	0			-26,219	0	0	0	0	0	-26,219		
Clr Sum	0			-26,219	0	0	0	0	0	-26,219		
Proj Net	26,110			-26,219	0	0	0	0	0	-109		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	64807514	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	506	0	0	0	0	0	0	0	0	0	0	0	0	506
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	20,676	0	0	0	0	0	0	0	0	0	0	0	0	20,676
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	38	0	0	0	0	0	0	0	0	0	0	0	0	38
	914-Pension and Benefits Load	147	0	0	0	0	0	0	0	0	0	0	0	0	147
	915-Injuries and Damages Load	38	0	0	0	0	0	0	0	0	0	0	0	0	38
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	139	0	0	0	0	0	0	0	0	0	0	0	0	139
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	631	0	0	0	0	0	0	0	0	0	0	0	0	631
	926-A and G Loads	1,769	0	0	0	0	0	0	0	0	0	0	0	0	1,769
	928-AFUDC Debt Reg	1,057	0	0	0	0	0	0	0	0	0	0	0	0	1,057
	929-AFUDC - Equity Regular	1,109	0	0	0	0	0	0	0	0	0	0	0	0	1,109
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	26,110	0	0	0	0	0	0	0	0	0	0	0	0	26,110
	825-Clearings	-26,219	0	0	0	0	0	0	0	0	0	0	0	0	-26,219
	Clr Sum	-26,219	0	0	0	0	0	0	0	0	0	0	0	0	-26,219
	Proj Net	-109	0	0	0	0	0	0	0	0	0	0	0	0	-109



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	64807514	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	506	0	0	0	0	0	0	0	0	0	0	0	0	506
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	20,676	0	0	0	0	0	0	0	0	0	0	0	0	20,676
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	38	0	0	0	0	0	0	0	0	0	0	0	0	38
	914-Pension and Benefits Load	147	0	0	0	0	0	0	0	0	0	0	0	0	147
	915-Injuries and Damages Load	38	0	0	0	0	0	0	0	0	0	0	0	0	38
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	139	0	0	0	0	0	0	0	0	0	0	0	0	139
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	631	0	0	0	0	0	0	0	0	0	0	0	0	631
	926-A and G Loads	1,769	0	0	0	0	0	0	0	0	0	0	0	0	1,769
	928-AFUDC Debt Reg	1,057	0	0	0	0	0	0	0	0	0	0	0	0	1,057
	929-AFUDC - Equity Regular	1,109	0	0	0	0	0	0	0	0	0	0	0	0	1,109
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	26,110	0	0	0	0	0	0	0	0	0	0	0	0	26,110
	825-Clearings	-26,219	0	0	0	0	0	0	0	0	0	0	0	0	-26,219
	Clr Sum	-26,219	0	0	0	0	0	0	0	0	0	0	0	0	-26,219
	Proj Net	-109	0	0	0	0	0	0	0	0	0	0	0	0	-109

*Project No: 64808413 Spread Spectrum Radio Replacement*

Company: 002-Transmission Services  
Location: 648 Transmission

Project Information

Construction Start Date                      2/1/2015                      Estimated Completion Date                      12/31/2020

List Interim In-Service Dates  
N/A

Project Need Justification  
Radios to be replaced as part of this project have reached the end of their useful life, as shown by the inability to obtain spare parts and frequent signal interference. Loss of radio communications can result in loss of real time updates (RTUs) and possible federal violations.

Project Alternatives  
There are no project alternatives. The radios in use do not meet federal regulations or industry standards.

Technical Aspects  
Replace spread spectrum radios with new licensed radios.

Project Estimate Approach  
N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	64808413	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	65,464		0	0	0	0	0	0	65,464		
	120-Overtime-General	18,422		0	0	0	0	0	0	18,422		
	350-Material Issues-Major	0		0	0	0	0	0	0	0		
	370-Outside Services	96,203		0	0	0	0	0	0	96,203		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	5,912		0	0	0	0	0	0	5,912		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	6,398		0	0	0	0	0	0	6,398		
	914-Pension and Benefits Load	23,332		0	0	0	0	0	0	23,332		
	915-Injuries and Damages Load	6,299		0	0	0	0	0	0	6,299		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	2,541		0	0	0	0	0	0	2,541		
	922-Minor Material Load	0		0	0	0	0	0	0	0		
	925-E and S Loads	26,988		0	0	0	0	0	0	26,988		
	926-A and G Loads	40,316		0	0	0	0	0	0	40,316		
	928-AFUDC Debt Reg	30,975		0	0	0	0	0	0	30,975		
	929-AFUDC - Equity Regular	42,562		0	0	0	0	0	0	42,562		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	365,410		0	0	0	0	0	0	365,410		
	825-Clearings	-670,604		0	0	0	0	0	0	-670,604		
	Clr Sum	-670,604		0	0	0	0	0	0	-670,604		
	Proj Net	-305,194		0	0	0	0	0	0	-305,194		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	64808413	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	65,464	0	500	500	500	500	500	500	500	500	500	500	0	70,464
	120-Overtime-General	18,422	0	0	0	0	0	0	0	0	0	0	0	0	18,422
	350-Material Issues-Major	0	0	0	5,000	5,000	5,000	0	0	0	0	0	0	0	15,000
	370-Outside Services	96,203	0	0	0	0	0	5,000	5,000	5,000	0	0	0	0	111,203
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	5,912	0	0	0	0	0	0	0	0	0	0	0	0	5,912
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	6,398	0	39	39	39	39	39	39	39	39	39	39	0	6,790
	914-Pension and Benefits Load	23,332	0	136	136	136	136	136	136	136	136	136	136	0	24,696
	915-Injuries and Damages Load	6,299	0	31	31	31	31	31	31	31	31	31	31	0	6,610
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	2,541	0	0	358	358	358	0	0	0	0	0	0	0	3,613
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	26,988	0	19	155	155	155	155	155	155	19	19	19	0	27,996
	926-A and G Loads	40,316	0	34	370	370	370	370	370	370	34	34	34	0	42,668
	928-AFUDC Debt Reg	30,975	0	1	11	28	45	62	79	95	105	108	110	112	31,731
	929-AFUDC - Equity Regular	42,562	0	1	14	36	59	82	103	125	138	141	145	147	43,554
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	365,410	0	762	6,614	6,653	6,693	6,375	6,414	6,452	1,003	1,009	1,015	259	408,659
	825-Clearings	-670,604	0	0	0	0	0	0	0	0	0	0	0	-32,436	-703,040
	Clr Sum	-670,604	0	0	0	0	0	0	0	0	0	0	0	-32,436	-703,040
	Proj Net	-305,194	0	762	6,614	6,653	6,693	6,375	6,414	6,452	1,003	1,009	1,015	-32,177	-294,381

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	64808413	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	70,464	0	500	500	500	500	500	500	500	500	500	500	0	75,464	
120-Overtime-General	18,422	0	0	0	0	0	0	0	0	0	0	0	0	18,422	
350-Material Issues-Major	15,000	0	0	4,000	5,000	0	0	0	0	0	0	0	0	24,000	
370-Outside Services	111,203	0	0	0	0	5,000	5,000	0	0	0	0	0	0	121,203	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	5,912	0	0	0	0	0	0	0	0	0	0	0	0	5,912	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	6,790	0	39	39	39	39	39	39	39	39	39	39	0	7,182	
914-Pension and Benefits Load	24,696	0	136	136	136	136	136	136	136	136	136	136	0	26,061	
915-Injuries and Damages Load	6,610	0	31	31	31	31	31	31	31	31	31	31	0	6,921	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	3,613	0	0	286	358	0	0	0	0	0	0	0	0	4,257	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	27,996	0	19	128	155	155	155	19	19	19	19	19	0	28,705	
926-A and G Loads	42,668	0	34	302	370	370	370	34	34	34	34	34	0	44,281	
928-AFUDC Debt Reg	31,731	28	29	38	53	70	87	97	99	102	104	107	108	32,653	
929-AFUDC - Equity Regular	43,554	25	26	34	48	64	79	87	89	92	94	96	97	44,385	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	408,659	54	815	5,495	6,691	6,366	6,397	943	948	953	957	962	206	439,445	
825-Clearings	-703,040	0	0	0	0	0	0	0	0	0	0	0	-31,199	-734,239	
Clr Sum	-703,040	0	0	0	0	0	0	0	0	0	0	0	-31,199	-734,239	
Proj Net	-294,381	54	815	5,495	6,691	6,366	6,397	943	948	953	957	962	-30,993	-294,794	

Company: 002-Transmission Services  
Location: 648 Transmission

<u>Construction Start Date</u>	5/15/2015	<u>Estimated Completion Date</u>	4/30/2016
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### Project Need Justification

## Project Alternatives

## Technical Aspects

## Project Estimate Approach

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	64828015	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	110			0	0	0	0	0	0	110		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	2,272			0	0	0	0	0	0	2,272		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	9			0	0	0	0	0	0	9		
914-Pension and Benefits Load	28			0	0	0	0	0	0	28		
915-Injuries and Damages Load	9			0	0	0	0	0	0	9		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	432			0	0	0	0	0	0	432		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	5,669			0	0	0	0	0	0	5,669		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	8,528			0	0	0	0	0	0	8,528		
825-Clearings	0			0	0	0	0	0	0	0		
Clr Sum	0			0	0	0	0	0	0	0		
Proj Net	8,528			0	0	0	0	0	0	8,528		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	64828015	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	110	0	0	0	0	0	0	0	0	0	0	0	0	110
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	2,272	0	0	0	0	0	0	0	0	0	0	0	0	2,272
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	9	0	0	0	0	0	0	0	0	0	0	0	0	9
914-Pension and Benefits Load		28	0	0	0	0	0	0	0	0	0	0	0	0	28
915-Injuries and Damages Load		9	0	0	0	0	0	0	0	0	0	0	0	0	9
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load		432	0	0	0	0	0	0	0	0	0	0	0	0	432
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	5,669	0	0	0	0	0	0	0	0	0	0	0	0	5,669
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	8,528	0	0	0	0	0	0	0	0	0	0	0	0	8,528
	825-Clearings	0	0	0	-76,564	0	0	0	0	0	0	0	0	0	-76,564
	Clr Sum	0	0	0	-76,564	0	0	0	0	0	0	0	0	0	-76,564
Proj Net		8,528	0	0	-76,564	0	0	0	0	0	0	0	0	0	-68,036



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	64828015	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	110	0	0	0	0	0	0	0	0	0	0	0	0	110
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	2,272	0	0	0	0	0	0	0	0	0	0	0	0	2,272
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	9	0	0	0	0	0	0	0	0	0	0	0	0	9
	914-Pension and Benefits Load	28	0	0	0	0	0	0	0	0	0	0	0	0	28
	915-Injuries and Damages Load	9	0	0	0	0	0	0	0	0	0	0	0	0	9
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	432	0	0	0	0	0	0	0	0	0	0	0	0	432
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	5,669	0	0	0	0	0	0	0	0	0	0	0	0	5,669
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	8,528	0	0	0	0	0	0	0	0	0	0	0	0	8,528
	825-Clearings	-76,564	0	0	0	0	0	0	0	0	0	0	0	0	-76,564
	Clr Sum	-76,564	0	0	0	0	0	0	0	0	0	0	0	0	-76,564
	Proj Net	-68,036	0	0	0	0	0	0	0	0	0	0	0	0	-68,036

***Project No: 65007215 La Luz 40 MW Interconnection***

Company: 002-Transmission Services  
Location: 650 Transmission

**Project Information**

Construction Start Date                      6/15/2014                      Estimated Completion Date                      8/31/2016

List Interim In-Service Dates

Project Need Justification

A Large Generator Interconnection Agreement (“LGIA”) between PNM (the “Transmission Provider”) and PNM Generation Planning & Development (the “Interconnection Customer”) was executed on February 13, 2014 requiring PNM to complete certain Transmission Provider Interconnection Facilities and network upgrades necessary for interconnection of the proposed La Luz 40 MW Gas Generating Facility to the existing PNM Belen 115 kV Switching Station.

Project Alternatives

There are no other alternatives to this project. Federal Energy Regulatory Commission (FERC) policy dictates that PNM must provide transmission interconnection service to eligible customers, on a non-discriminatory basis, as long as the interconnector meets all necessary requirements. Once a valid application for transmission interconnection is submitted, PNM will complete a study process that determines the most appropriate facilities needed to interconnect the transmission project to the transmission system. The study process also determines the impacts to the transmission system caused by the interconnection of the project and any system reinforcements or upgrades needed to remedy such impacts. Under the procedures, PNM is required to use due diligence to implement the interconnection and will construct, own and operate the transmission facilities required to interconnect the customer's transmission facility or project to the PNM transmission system.

Technical Aspects

The Interconnection Customer’s Interconnection Facilities shall include:- A low-side synchronizing breaker;- A 115 kV overhead transmission line, from the high-side of the Interconnection Customer’s generator step-up transformer to the Point of Change of Ownership;- A fiber optic cable (in conjunction with the 115 kV transmission line) between Interconnection Customer’s substation and the associated terminal facilities inside the Belen 115 kV Switching Station; and- A (pole) structure outside the Belen 115 kV Switching Station perimeter fence where the Point of Change of Ownership shall be located.

Project Estimate Approach

This project was estimated based on the standard procedure used by System Engineering. Basic material is estimated using actual costs of past projects. These figures are updated in the estimating software periodically. For major equipment (i.e.. breakers) PNM contacted an alliance vendor (HVB) and requested information regarding the costs and schedules of these major items. Labor and contractor estimates were created from past projects that are similar in nature. All overhead costs are standard and calculated using the approved corporate software.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65007215	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	155,284		0	0	0	0	0	0	155,284		
	120-Overtime-General	16,068		0	0	0	0	0	0	16,068		
	350-Material Issues-Major	28,156		0	0	0	0	0	0	28,156		
	370-Outside Services	2,400,264		0	0	0	0	0	0	2,400,264		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	11,837		0	0	0	0	0	0	11,837		
	610-Expenses - General	925,000		0	0	0	0	0	0	925,000		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	13,711		0	0	0	0	0	0	13,711		
	914-Pension and Benefits Load	43,973		0	0	0	0	0	0	43,973		
	915-Injuries and Damages Load	13,204		0	0	0	0	0	0	13,204		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	11,135		0	0	0	0	0	0	11,135		
	922-Minor Material Load	0		0	0	0	0	0	0	0		
	925-E and S Loads	84,417		0	0	0	0	0	0	84,417		
	926-A and G Loads	234,629		0	0	0	0	0	0	234,629		
	928-AFUDC Debt Reg	15,874		0	0	0	0	0	0	15,874		
	929-AFUDC - Equity Regular	21,457		0	0	0	0	0	0	21,457		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	3,975,009		0	0	0	0	0	0	3,975,009		
	825-Clearings	-4,442,387		-33,575	0	0	0	0	0	-4,475,963		
	Cir Sum	-4,442,387		-33,575	0	0	0	0	0	-4,475,963		
	Proj Net	-467,379		-33,575	0	0	0	0	0	-500,954		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65007215	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	155,284	0	0	0	0	0	0	0	0	0	0	0	0	155,284
	120-Overtime-General	16,068	0	0	0	0	0	0	0	0	0	0	0	0	16,068
	350-Material Issues-Major	28,156	0	0	0	0	0	0	0	0	0	0	0	0	28,156
	370-Outside Services	2,400,264	0	0	0	0	0	0	0	0	0	0	0	0	2,400,264
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	11,837	0	0	0	0	0	0	0	0	0	0	0	0	11,837
	610-Expenses - General	925,000	0	0	0	0	0	0	0	0	0	0	0	0	925,000
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	13,711	0	0	0	0	0	0	0	0	0	0	0	0	13,711
	914-Pension and Benefits Load	43,973	0	0	0	0	0	0	0	0	0	0	0	0	43,973
	915-Injuries and Damages Load	13,204	0	0	0	0	0	0	0	0	0	0	0	0	13,204
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	11,135	0	0	0	0	0	0	0	0	0	0	0	0	11,135
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	84,417	0	0	0	0	0	0	0	0	0	0	0	0	84,417
	926-A and G Loads	234,629	0	0	0	0	0	0	0	0	0	0	0	0	234,629
	928-AFUDC Debt Reg	15,874	0	0	0	0	0	0	0	0	0	0	0	0	15,874
	929-AFUDC - Equity Regular	21,457	0	0	0	0	0	0	0	0	0	0	0	0	21,457
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	3,975,009	0	0	0	0	0	0	0	0	0	0	0	0	3,975,009
	825-Clearings	-4,475,963	0	0	0	0	0	0	0	0	0	0	0	0	-4,475,963
	Clr Sum	-4,475,963	0	0	0	0	0	0	0	0	0	0	0	0	-4,475,963
	Proj Net	-500,954	0	0	0	0	0	0	0	0	0	0	0	0	-500,954

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65007215	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	155,284	0	0	0	0	0	0	0	0	0	0	0	0	155,284
	120-Overtime-General	16,068	0	0	0	0	0	0	0	0	0	0	0	0	16,068
	350-Material Issues-Major	28,156	0	0	0	0	0	0	0	0	0	0	0	0	28,156
	370-Outside Services	2,400,264	0	0	0	0	0	0	0	0	0	0	0	0	2,400,264
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	11,837	0	0	0	0	0	0	0	0	0	0	0	0	11,837
	610-Expenses - General	925,000	0	0	0	0	0	0	0	0	0	0	0	0	925,000
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	13,711	0	0	0	0	0	0	0	0	0	0	0	0	13,711
	914-Pension and Benefits Load	43,973	0	0	0	0	0	0	0	0	0	0	0	0	43,973
	915-Injuries and Damages Load	13,204	0	0	0	0	0	0	0	0	0	0	0	0	13,204
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	11,135	0	0	0	0	0	0	0	0	0	0	0	0	11,135
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	84,417	0	0	0	0	0	0	0	0	0	0	0	0	84,417
	926-A and G Loads	234,629	0	0	0	0	0	0	0	0	0	0	0	0	234,629
	928-AFUDC Debt Reg	15,874	0	0	0	0	0	0	0	0	0	0	0	0	15,874
	929-AFUDC - Equity Regular	21,457	0	0	0	0	0	0	0	0	0	0	0	0	21,457
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	3,975,009	0	0	0	0	0	0	0	0	0	0	0	0	3,975,009
	825-Clearings	-4,475,963	0	0	0	0	0	0	0	0	0	0	0	0	-4,475,963
	Clr Sum	-4,475,963	0	0	0	0	0	0	0	0	0	0	0	0	-4,475,963
	Proj Net	-500,954	0	0	0	0	0	0	0	0	0	0	0	0	-500,954

**Project No: 65007220 San Juan Shunt Reactor Circuit Breaker**

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

<u>Construction Start Date</u>	2/1/2011	<u>Estimated Completion Date</u>	1/31/2017
<u>List Interim In-Service Dates</u>	N/A		

Project Need Justification

Reactors, which are used to control the voltage on transmission lines, are switched in and out of the circuit as system conditions warrant. The current switching devices for both the OJ line (345Kv line from San Juan to Jicarilla) and WW line (345kv line originating from the San Juan Switchyard toRio Puerco) reactors are not automated and cannot support the system within the response time needed. Additionally, transmission line outages are needed to switch the reactors in and out of service. As the system configuration and VAR support has changed over time, this situation is problematic in peak load periods and does not offer the ability to quickly place the reactor in or out of service that is needed to maintain system voltage. This project will install a circuit breaker to switch the OJ reactor and an RL switcher to switch the WW reactor. Purchase of equipment for the OJ line was completed prior to this project. The remainder of this write-up will focus on the WW reactor switching device and construction costs for both devices.

Project Alternatives

PNM evaluated the suitability of various reactor switching devices as part of the project design effort. Options included the use of a 345kV circuit breaker, or a specially designed device for this specific application. The required characteristics of the new reactor switching device include the ability to switch reactors given significant electrical duty, use of automation to allow devices to be operated easily and reliably from power control centers, compatibility, and vendor support. The RL line(115kv line which runs from the balancing authority station to the Los Alamos station) switcher device specifically meets these criteria, while the circuit breaker option does not.

Technical Aspects

Shunt reactors are inserted into transmission line circuits during times of low electrical loading to help keep the line voltage from becoming too high. This is especially important on long lines where voltage increases are much more pronounced. Without the ability to control the voltage, a transmission line that has tripped off line might not be reenergized because the line voltage would exceed the capacity of the end equipment.

Project Estimate Approach

This project was estimated using the standard procedure used by the system engineering group. Basic material is estimated using actual costs of past projects. Updated quotes are obtained directly from the manufacturer. Labor and contractor estimates were created from similar past projects. For this project, breaker replacements the energized 345kV yards provided a good point of estimate. All overhead costs are standard and calculated using the approved corporate software. The in-house labor for this project is approximately 15% of the total project cost. With the project located in an energized yard, much of the controls and automation work was done by in-house crews. Purchase of the RL switcher and minor equipment will be approximately 25%. The contracted construction for both projects will be approximately 60% of the project cost. Contract work includes contracted engineering support, relocation and/or retirement of existing equipment, new foundations, and mechanical construction. Work in energized facilities is often limited to off-peak hours or during outages which will increase the need for longer workdays and overtime.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65007220	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	157,567			0	0	0	0	0	0	157,567		
120-Overtime-General	24,742			0	0	0	0	0	0	24,742		
350-Material Issues-Major	62,943			0	0	0	0	0	0	62,943		
370-Outside Services	1,243,067			0	0	0	0	0	0	1,243,067		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	3,600			0	0	0	0	0	0	3,600		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-22	-22	-22	-65		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	14,853			0	0	0	0	0	0	14,853		
914-Pension and Benefits Load	55,850			0	0	0	0	0	0	55,850		
915-Injuries and Damages Load	15,941			0	0	0	0	0	0	15,941		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	12,169			0	0	0	0	0	0	12,169		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	55,712			0	0	0	0	0	0	55,712		
926-A and G Loads	92,945			0	0	0	0	0	0	92,945		
928-AFUDC Debt Reg	129,475			10	10	10	10	10	10	129,537		
929-AFUDC - Equity Regular	132,007			11	11	11	11	11	11	132,074		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	2,000,871			21	22	22	0	0	0	2,000,936		
825-Clearings	-2,421,533			0	0	0	0	0	0	-2,421,533		
Clr Sum	-2,421,533			0	0	0	0	0	0	-2,421,533		
Proj Net	-420,662			21	22	22	0	0	0	-420,597		



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65007220	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	157,567	0	0	0	0	0	0	0	0	0	0	0	0	157,567
	120-Overtime-General	24,742	0	0	0	0	0	0	0	0	0	0	0	0	24,742
	350-Material Issues-Major	62,943	0	0	0	0	0	0	0	0	0	0	0	0	62,943
	370-Outside Services	1,243,067	0	0	0	0	0	0	0	0	0	0	0	0	1,243,067
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391~Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	3,600	0	0	0	0	0	0	0	0	0	0	0	0	3,600
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
829-Construction Adjustment	-65	-28	0	0	0	0	0	0	0	0	0	0	0	0	-93
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	14,853	0	0	0	0	0	0	0	0	0	0	0	0	0	14,853
914-Pension and Benefits Load	55,850	0	0	0	0	0	0	0	0	0	0	0	0	0	55,850
915-Injuries and Damages Load	15,941	0	0	0	0	0	0	0	0	0	0	0	0	0	15,941
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	12,169	0	0	0	0	0	0	0	0	0	0	0	0	0	12,169
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads	55,712	0	0	0	0	0	0	0	0	0	0	0	0	0	55,712
926-A and G Loads	92,945	0	0	0	0	0	0	0	0	0	0	0	0	0	92,945
928-AFUDC Debt Reg	129,537	12	0	0	0	0	0	0	0	0	0	0	0	0	129,549
929-AFUDC - Equity Regular	132,074	16	0	0	0	0	0	0	0	0	0	0	0	0	132,090
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	2,000,936	0	0	0	0	0	0	0	0	0	0	0	0	2,000,936
	825-Clearings	-2,421,533	-4,644	0	0	0	0	0	0	0	0	0	0	0	-2,426,176
	Clr Sum	-2,421,533	-4,644	0	0	0	0	0	0	0	0	0	0	0	-2,426,176
	Proj Net	-420,597	-4,644	0	0	0	0	0	0	0	0	0	0	0	-425,240

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65007220	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	157,567	0	0	0	0	0	0	0	0	0	0	0	0	157,567
	120-Overtime-General	24,742	0	0	0	0	0	0	0	0	0	0	0	0	24,742
	350-Material Issues-Major	62,943	0	0	0	0	0	0	0	0	0	0	0	0	62,943
	370-Outside Services	1,243,067	0	0	0	0	0	0	0	0	0	0	0	0	1,243,067
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	3,600	0	0	0	0	0	0	0	0	0	0	0	0	3,600
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-93	0	0	0	0	0	0	0	0	0	0	0	0	-93
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	14,853	0	0	0	0	0	0	0	0	0	0	0	0	14,853
	914-Pension and Benefits Load	55,850	0	0	0	0	0	0	0	0	0	0	0	0	55,850
	915-Injuries and Damages Load	15,941	0	0	0	0	0	0	0	0	0	0	0	0	15,941
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	12,169	0	0	0	0	0	0	0	0	0	0	0	0	12,169
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	55,712	0	0	0	0	0	0	0	0	0	0	0	0	55,712
	926-A and G Loads	92,945	0	0	0	0	0	0	0	0	0	0	0	0	92,945
	928-AFUDC Debt Reg	129,549	0	0	0	0	0	0	0	0	0	0	0	0	129,549
	929-AFUDC - Equity Regular	132,090	0	0	0	0	0	0	0	0	0	0	0	0	132,090
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	2,000,936	0	0	0	0	0	0	0	0	0	0	0	0	2,000,936
	825-Clearings	-2,426,176	0	0	0	0	0	0	0	0	0	0	0	0	-2,426,176
	Clr Sum	-2,426,176	0	0	0	0	0	0	0	0	0	0	0	0	-2,426,176
	Proj Net	-425,240	0	0	0	0	0	0	0	0	0	0	0	0	-425,240

*Project No: 65007413 Replace Blwtr 230 345kV CVTs*

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

<u>Construction Start Date</u>	2/12/2014	<u>Estimated Completion Date</u>	1/31/2017
<u>List Interim In-Service Dates</u>	N/A		

Project Need Justification

Current and voltage instrument transformers are critical to the reliable operation of the transmission grid. At the Blackwater Converter Station, these devices have reached the end of their useful life, as shown by their frequent failure and poor readings. They are not repairable. To continue the operation of the station in a prudent manner and meet contractual transfer obligations, replacement is recommended.

Project Alternatives

There are no alternatives for this project. Waiting until a complete system failure would take the station off-line for several months and is, therefore, not a prudent option.

Technical Aspects

Replace outdated current/voltage instrument transformers with new equipment.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65007413	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	23,391			0	0	0	0	0	0	23,391		
120-Overtime-General	13,970			0	0	0	0	0	0	13,970		
350-Material Issues-Major	11,269			0	0	0	0	0	0	11,269		
370-Outside Services	104,149			0	0	0	0	0	0	104,149		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	938			0	0	0	0	0	0	938		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-128	-128	-128	-383		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	2,758			0	0	0	0	0	0	2,758		
914-Pension and Benefits Load	10,357			0	0	0	0	0	0	10,357		
915-Injuries and Damages Load	2,638			0	0	0	0	0	0	2,638		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	1,795			0	0	0	0	0	0	1,795		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	16,812			0	0	0	0	0	0	16,812		
926-A and G Loads	26,100			0	0	0	0	0	0	26,100		
928-AFUDC Debt Reg	6,134			61	61	61	61	61	61	6,501		
929-AFUDC - Equity Regular	8,129			66	66	66	66	66	66	8,526		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	228,441			126	127	127	0	0	0	228,821		
825-Clearings	-377,724			0	0	0	0	0	0	-377,724		
Clr Sum	-377,724			0	0	0	0	0	0	-377,724		
Proj Net	-149,284			126	127	127	0	0	0	-148,903		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65007413	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	23,391	0	0	0	0	0	0	0	0	0	0	0	0	23,391
	120-Overtime-General	13,970	0	0	0	0	0	0	0	0	0	0	0	0	13,970
	350-Material Issues-Major	11,269	0	0	0	0	0	0	0	0	0	0	0	0	11,269
	370-Outside Services	104,149	0	0	0	0	0	0	0	0	0	0	0	0	104,149
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	938	0	0	0	0	0	0	0	0	0	0	0	0	938
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-383	-164	0	0	0	0	0	0	0	0	0	0	0	-547
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	2,758	0	0	0	0	0	0	0	0	0	0	0	0	2,758
	914-Pension and Benefits Load	10,357	0	0	0	0	0	0	0	0	0	0	0	0	10,357
	915-Injuries and Damages Load	2,638	0	0	0	0	0	0	0	0	0	0	0	0	2,638
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	1,795	0	0	0	0	0	0	0	0	0	0	0	0	1,795
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	16,812	0	0	0	0	0	0	0	0	0	0	0	0	16,812
	926-A and G Loads	26,100	0	0	0	0	0	0	0	0	0	0	0	0	26,100
	928-AFUDC Debt Reg	6,501	71	0	0	0	0	0	0	0	0	0	0	0	6,571
	929-AFUDC - Equity Regular	8,526	93	0	0	0	0	0	0	0	0	0	0	0	8,619
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	228,821	0	0	0	0	0	0	0	0	0	0	0	0	228,821
	825-Clearings	-377,724	-27,260	0	0	0	0	0	0	0	0	0	0	0	-404,985
	Clr Sum	-377,724	-27,260	0	0	0	0	0	0	0	0	0	0	0	-404,985
	Proj Net	-148,903	-27,260	0	0	0	0	0	0	0	0	0	0	0	-176,164

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65007413	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	23,391	0	0	0	0	0	0	0	0	0	0	0	0	23,391
	120-Overtime-General	13,970	0	0	0	0	0	0	0	0	0	0	0	0	13,970
	350-Material Issues-Major	11,269	0	0	0	0	0	0	0	0	0	0	0	0	11,269
	370-Outside Services	104,149	0	0	0	0	0	0	0	0	0	0	0	0	104,149
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	938	0	0	0	0	0	0	0	0	0	0	0	0	938
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-547	0	0	0	0	0	0	0	0	0	0	0	0	-547
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	2,758	0	0	0	0	0	0	0	0	0	0	0	0	2,758
	914-Pension and Benefits Load	10,357	0	0	0	0	0	0	0	0	0	0	0	0	10,357
	915-Injuries and Damages Load	2,638	0	0	0	0	0	0	0	0	0	0	0	0	2,638
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	1,795	0	0	0	0	0	0	0	0	0	0	0	0	1,795
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	16,812	0	0	0	0	0	0	0	0	0	0	0	0	16,812
	926-A and G Loads	26,100	0	0	0	0	0	0	0	0	0	0	0	0	26,100
	928-AFUDC Debt Reg	6,571	0	0	0	0	0	0	0	0	0	0	0	0	6,571
	929-AFUDC - Equity Regular	8,619	0	0	0	0	0	0	0	0	0	0	0	0	8,619
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	228,821	0	0	0	0	0	0	0	0	0	0	0	0	228,821
	825-Clearings	-404,985	0	0	0	0	0	0	0	0	0	0	0	0	-404,985
	Clr Sum	-404,985	0	0	0	0	0	0	0	0	0	0	0	0	-404,985
Proj Net		-176,164	0	0	0	0	0	0	0	0	0	0	0	0	-176,164

**Project No: 65007414 NERC Line Clearance 2013**

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

<u>Construction Start Date</u>	4/29/2013	<u>Estimated Completion Date</u>	1/31/2017
<u>List Interim In-Service Dates</u>	N/A		

Project Need Justification

North American Electric Reliability Corporation (NERC) issued an alert in October 2010 titled "Consideration of Actual Field Conditions in Determination of Line Ratings" that required transmission owners to verify existing conductor clearances, and adequately support planning and operational ratings used on the transmission system. PNM initiated studies in 2011 to verify clearance adequacy of its existing transmission lines at 115 kV and higher. The lines were classified into "high", "medium" and "low" priority based on the potential reliability impact to the bulk electric system and whether past upgrades to the lines resulted in recent knowledge of the overall sag condition of a line. This project covers continued work for line clearance upgrades needed for 13 transmission lines owned and operated by PNM. The current scope and schedule are to fulfill PNM's commitments for NERC Compliance based on conclusions reached from analysis activities required by the NERC action request.

Project Alternatives

There are no cost effective alternatives to the proposed clearance improvements on the existing lines. Installing new facilities instead of performing upgrades would have much greater economic and environmental impacts and would potentially require years of lead time. The majority of work required for the clearance improvements can be completed without outages or impacts to system reliability during construction. Technical Aspects  
In responding to NERC's requirements, high priority lines were scheduled for improvements to address clearance deficiencies in 2012, medium priority lines in 2013 and low priority lines in 2014 forward. The PNM studies identified sag clearance improvement needs on numerous lines to support planning and operating ratings and implemented corrections to the high priority lines in 2012. This work to be performed in 2013 for deficiencies identified on the thirteen "medium priority" lines listed below.

- 1. Algodones-Tap (ANZ Algodones) 115 kV Line - 37.2 miles
  - 2. BA-STA (RL) 115 kV Line - 39.5 miles
  - 3. Person-West Mesa (PW) 115 kV Line - 12.75 miles
  - 4. Sandia-Kirtland (KS) 115 kV Line - 2.4 miles
  - 5. Reeves-West Mesa (NW) 115 kV Line - 10.1 miles
  - 6. Person-Volcano (PM) 115 kV Line - 10.1 miles
  - 7. Prager-North (PN) 115 kV Line - 5.3 miles
  - 8. Person-Kirtland (PS) 115 kV Line - 9.3 miles
  - 9. West Mesa-Volcano (WV) 115 kV Line - 5.2 miles
  - 10. Pilar-Gallegos (GC) 230 kV Line - 7.5 miles
  - 11. Person-Tome (AT) 115 kV Line - 26.9 miles
  - 12. Alamogordo-Amrad (AR) 115 kV Line - 30.95 miles
  - 13. Hidalgo-Lordburg (LB) 115 kV Line - 7.6 miles
- Clearance improvements will be achieved through the use of Phaseraise technology and pole replacements. These improvements will essentially raise the height of critical spans to increase clearance levels.

Project Estimate Approach  
N/A



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65007414	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	298,241		0	0	0	0	0	0	298,241		
	120-Overtime-General	87,529		0	0	0	0	0	0	87,529		
	350-Material Issues-Major	563,613		0	0	0	0	0	0	563,613		
	370-Outside Services	2,318,679		0	0	0	0	0	0	2,318,679		
	374-Outside Svcs Legal	26,593		0	0	0	0	0	0	26,593		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	9,405		0	0	0	0	0	0	9,405		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	8,038		0	0	0	0	0	0	8,038		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	-8	-8	-8	-25		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	30,937		0	0	0	0	0	0	30,937		
	914-Pension and Benefits Load	116,480		0	0	0	0	0	0	116,480		
	915-Injuries and Damages Load	29,732		0	0	0	0	0	0	29,732		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	37,732		0	0	0	0	0	0	37,732		
	922-Minor Material Load	0		0	0	0	0	0	0	0		
	925-E and S Loads	458,084		0	0	0	0	0	0	458,084		
	926-A and G Loads	404,221		0	0	0	0	0	0	404,221		
	928-AFUDC Debt Reg	96,448		4	4	4	4	4	4	96,472		
	929-AFUDC - Equity Regular	130,223		4	4	4	4	4	4	130,249		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	4,615,955		8	8	8	0	0	0	4,615,980		
	825-Clearings	-6,229,409		0	0	0	0	0	0	-6,229,409		
	Clr Sum	-6,229,409		0	0	0	0	0	0	-6,229,409		
	Proj Net	-1,613,454		8	8	8	0	0	0	-1,613,429		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65007414	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	298,241	0	0	0	0	0	0	0	0	0	0	0	0	298,241
	120-Overtime-General	87,529	0	0	0	0	0	0	0	0	0	0	0	0	87,529
	350-Material Issues-Major	563,613	0	0	0	0	0	0	0	0	0	0	0	0	563,613
	370-Outside Services	2,318,679	0	0	0	0	0	0	0	0	0	0	0	0	2,318,679
	374-Outside Svcs Legal	26,593	0	0	0	0	0	0	0	0	0	0	0	0	26,593
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	9,405	0	0	0	0	0	0	0	0	0	0	0	0	9,405
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	8,038	0	0	0	0	0	0	0	0	0	0	0	0	8,038
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-25	-11	0	0	0	0	0	0	0	0	0	0	0	-36
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	30,937	0	0	0	0	0	0	0	0	0	0	0	0	30,937
	914-Pension and Benefits Load	116,480	0	0	0	0	0	0	0	0	0	0	0	0	116,480
	915-Injuries and Damages Load	29,732	0	0	0	0	0	0	0	0	0	0	0	0	29,732
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	37,732	0	0	0	0	0	0	0	0	0	0	0	0	37,732
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	458,084	0	0	0	0	0	0	0	0	0	0	0	0	458,084
	926-A and G Loads	404,221	0	0	0	0	0	0	0	0	0	0	0	0	404,221
	928-AFUDC Debt Reg	96,472	5	0	0	0	0	0	0	0	0	0	0	0	96,477
	929-AFUDC - Equity Regular	130,249	6	0	0	0	0	0	0	0	0	0	0	0	130,255
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	4,615,980	0	0	0	0	0	0	0	0	0	0	0	0	4,615,980
	825-Clearings	-6,229,409	-1,789	0	0	0	0	0	0	0	0	0	0	0	-6,231,198
	Clr Sum	-6,229,409	-1,789	0	0	0	0	0	0	0	0	0	0	0	-6,231,198
	Proj Net	-1,613,429	-1,789	0	0	0	0	0	0	0	0	0	0	0	-1,615,218

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65007414	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	298,241	0	0	0	0	0	0	0	0	0	0	0	0	298,241	
120-Overtime-General	87,529	0	0	0	0	0	0	0	0	0	0	0	0	87,529	
350-Material Issues-Major	563,613	0	0	0	0	0	0	0	0	0	0	0	0	563,613	
370-Outside Services	2,318,679	0	0	0	0	0	0	0	0	0	0	0	0	2,318,679	
374-Outside Svcs Legal	26,593	0	0	0	0	0	0	0	0	0	0	0	0	26,593	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	9,405	0	0	0	0	0	0	0	0	0	0	0	0	9,405	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	8,038	0	0	0	0	0	0	0	0	0	0	0	0	8,038	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-36	0	0	0	0	0	0	0	0	0	0	0	0	-36	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	30,937	0	0	0	0	0	0	0	0	0	0	0	0	30,937	
914-Pension and Benefits Load	116,480	0	0	0	0	0	0	0	0	0	0	0	0	116,480	
915-Injuries and Damages Load	29,732	0	0	0	0	0	0	0	0	0	0	0	0	29,732	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	37,732	0	0	0	0	0	0	0	0	0	0	0	0	37,732	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	458,084	0	0	0	0	0	0	0	0	0	0	0	0	458,084	
926-A and G Loads	404,221	0	0	0	0	0	0	0	0	0	0	0	0	404,221	
928-AFUDC Debt Reg	96,477	0	0	0	0	0	0	0	0	0	0	0	0	96,477	
929-AFUDC - Equity Regular	130,255	0	0	0	0	0	0	0	0	0	0	0	0	130,255	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	4,615,980	0	0	0	0	0	0	0	0	0	0	0	0	4,615,980	
825-Clearings	-6,231,198	0	0	0	0	0	0	0	0	0	0	0	0	-6,231,198	
Clr Sum	-6,231,198	0	0	0	0	0	0	0	0	0	0	0	0	-6,231,198	
Proj Net	-1,615,218	0	0	0	0	0	0	0	0	0	0	0	0	-1,615,218	

*Project No: 65007419 A/C Blackwater Valve Hall*

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

Construction Start Date 1/1/2017 Estimated Completion Date 3/31/2017

List Interim In-Service Dates

Project Need Justification

This project is necessary to upgrade the air conditioning system in the valve hall at the Blackwater Direct Current (DC) converter station. Functional air conditioning systems are essential to cool the thyristor banks and the reactors in the valve hall associated with the voltage conversion from alternating current (AC) to DC. Currently the compressor units fail frequently due to excessive acidity in the system based on the coolant used.

Project Alternatives

The alternative would be to not upgrade the system and replace components as they fail. This would result in excessive downtime and station in availability.

Technical Aspects

Compressor units and coolant fluid are central elements of the AC system, and are targeted for replacement under this project.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65007419	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	0	0	0	0		
825-Clearings	0			0	0	0	0	0	0	0		
Clr Sum	0			0	0	0	0	0	0	0		
Proj Net	0			0	0	0	0	0	0	0		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65007419	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	11,000	0	0	0	0	0	0	0	0	0	11,000
	370-Outside Services	0	0	0	11,000	0	0	0	0	0	0	0	0	0	11,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	787	0	0	0	0	0	0	0	0	0	787
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	598	0	0	0	0	0	0	0	0	0	598
	926-A and G Loads	0	0	0	1,478	0	0	0	0	0	0	0	0	0	1,478
	928-AFUDC Debt Reg	0	0	0	32	0	0	0	0	0	0	0	0	0	32
	929-AFUDC - Equity Regular	0	0	0	43	0	0	0	0	0	0	0	0	0	43
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	0	0	0	24,938	0	0	0	0	0	0	0	0	0	24,938
	825-Clearings	0	0	0	-24,938	0	0	0	0	0	0	0	0	0	-24,938
	Clr Sum	0	0	0	-24,938	0	0	0	0	0	0	0	0	0	-24,938
	Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65007419	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	11,000	0	0	0	0	0	0	0	0	0	0	0	0	11,000
	370-Outside Services	11,000	0	0	0	0	0	0	0	0	0	0	0	0	11,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	787	0	0	0	0	0	0	0	0	0	0	0	0	787
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	598	0	0	0	0	0	0	0	0	0	0	0	0	598
	926-A and G Loads	1,478	0	0	0	0	0	0	0	0	0	0	0	0	1,478
	928-AFUDC Debt Reg	32	0	0	0	0	0	0	0	0	0	0	0	0	32
	929-AFUDC - Equity Regular	43	0	0	0	0	0	0	0	0	0	0	0	0	43
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	24,938	0	0	0	0	0	0	0	0	0	0	0	0	24,938
	825-Clearings	-24,938	0	0	0	0	0	0	0	0	0	0	0	0	-24,938
	Clr Sum	-24,938	0	0	0	0	0	0	0	0	0	0	0	0	-24,938
	Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Project No: 65007625 FW Reactor Replacement**

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

<u>Construction Start Date</u>	8/10/2012	<u>Estimated Completion Date</u>	8/31/2016
<u>List Interim In-Service Dates</u>	N/A		

Project Need Justification

On August 21, 2011, the Four Corners to West Mesa (FW) 345kV line 65 MVAR, 345kV shunt reactor lock-out protection scheme in the Four Corners 345kV Switchyard initiated a trip of the FW 345kV line. Arizona Public Service (APS) determined that the reactor lockout was initiated by a reactor winding over-temperature condition caused by the loss of the AC power supply to the reactor’s four cooler packages. APS provided annotated photos of the reactor identifying pre-existing oil leaks, a large tank wall seam leak, low oil level, and failed cooler pumps in need of re-conditioning. PNM’s investigations of the APS-supplied operations and maintenance records pointed out past instances of operation being impacted by failed cooling packages. The replacement of this reactor included funds for in-house labor, materials, equipment, and external labor.

Project Alternatives

Under the other alternative, APS provided a quote of \$305,000 to re-condition the cooling packages; however, the ability to return the reactor to reliable long-term service has been compromised by the tank wall seam breach. The existing reactor is of a shell-form design that inhibits non-destructive core and coil removal for the proper repair of the tank. The fact that reconditioning would not resolve all the issues nor update the reactor to today's operating standards makes this a less viable option. Studies of the system indicate that the system cannot operate reliably under all conditions with this reactor out-of-service.

Technical Aspects

PNM has a 35 MVAR oil-filled shunt reactor in storage with a 362kV, self-cooled rating; this unit has new windings, refurbished core packs, new cores in the bushings, and no cooling packages requiring AC power supply. PNM has consulted with GE Infrastructure, Energy to assess the use of the 35 MVAR reactor and the required de-energization of one of the reactors on the FW line when the FW line must be de-energized. GE has confirmed that parallel resonance, due to the WW 345kV line remaining energized, will be avoided with the de-energization procedure. On March 23, 2011, APS advised PNM to consider the replacement of the 345kV circuit switcher associated with the FW 345kV shunt reactor. The manufacturer no longer supports parts replacement for this early version of the circuit switcher and the available parts on the market are difficult to acquire. APS advised it would not be performing its scheduled major maintenance procedure on the circuit switcher as the process could possibly result in testing damages that could not be restored.



Project Estimate Approach

This project was estimated using the standard procedure used by System Engineering. Basic material is estimated using actual costs of past projects. These figures are updated in the estimating software periodically. For major equipment like circuit switchers we contacted our alliance vendor (Southern States) and requested information regarding the costs and schedules of these major items. A refurbished reactor that was not in service was used for this project to save on major equipment. Labor and contractor estimates were created from past projects that are similar in nature. All overhead costs are standard and calculated using the approved corporate software. For this project, in-house labor is estimated at 14% of base costs (unloaded costs). This includes on-site work as well as some engineering design. It also includes coordination with APS. Materials are estimated at 43% and includes site modifications, the reactor, and purchase of new controls. Construction services is 43% with most of the construction being performed by APS or qualified utility contractors.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65007625	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	160,322			0	0	0	0	0	0	160,322		
120-Overtime-General	4,371			0	0	0	0	0	0	4,371		
350-Material Issues-Major	145,892			0	0	0	0	0	0	145,892		
370-Outside Services	1,253,700			0	0	0	0	0	0	1,253,700		
374-Outside Svcs Legal	1,124			0	0	0	0	0	0	1,124		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	4,825			0	0	0	0	0	0	4,825		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	13,753			0	0	0	0	0	0	13,753		
914-Pension and Benefits Load	49,994			0	0	0	0	0	0	49,994		
915-Injuries and Damages Load	12,850			0	0	0	0	0	0	12,850		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	10,753			0	0	0	0	0	0	10,753		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	159,939			0	0	0	0	0	0	159,939		
926-A and G Loads	158,192			0	0	0	0	0	0	158,192		
928-AFUDC Debt Reg	119,167			30	0	0	0	0	0	119,197		
929-AFUDC - Equity Regular	130,436			32	0	0	0	0	0	130,468		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	2,225,318			62	0	0	0	0	0	2,225,380		
825-Clearings	-2,635,044			-13,237	0	0	0	0	0	-2,648,281		
Clr Sum	-2,635,044			-13,237	0	0	0	0	0	-2,648,281		
Proj Net	-409,726			-13,175	0	0	0	0	0	-422,901		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65007625	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	160,322	0	0	0	0	0	0	0	0	0	0	0	0	160,322
	120-Overtime-General	4,371	0	0	0	0	0	0	0	0	0	0	0	0	4,371
	350-Material Issues-Major	145,892	0	0	0	0	0	0	0	0	0	0	0	0	145,892
	370-Outside Services	1,253,700	0	0	0	0	0	0	0	0	0	0	0	0	1,253,700
	374-Outside Svcs Legal	1,124	0	0	0	0	0	0	0	0	0	0	0	0	1,124
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	4,825	0	0	0	0	0	0	0	0	0	0	0	0	4,825
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	13,753	0	0	0	0	0	0	0	0	0	0	0	0	13,753
	914-Pension and Benefits Load	49,994	0	0	0	0	0	0	0	0	0	0	0	0	49,994
	915-Injuries and Damages Load	12,850	0	0	0	0	0	0	0	0	0	0	0	0	12,850
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	10,753	0	0	0	0	0	0	0	0	0	0	0	0	10,753
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	159,939	0	0	0	0	0	0	0	0	0	0	0	0	159,939
	926-A and G Loads	158,192	0	0	0	0	0	0	0	0	0	0	0	0	158,192
	928-AFUDC Debt Reg	119,197	0	0	0	0	0	0	0	0	0	0	0	0	119,197
	929-AFUDC - Equity Regular	130,468	0	0	0	0	0	0	0	0	0	0	0	0	130,468
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	2,225,380	0	0	0	0	0	0	0	0	0	0	0	0	2,225,380
	825-Clearings	-2,648,281	0	0	0	0	0	0	0	0	0	0	0	0	-2,648,281
	Clr Sum	-2,648,281	0	0	0	0	0	0	0	0	0	0	0	0	-2,648,281
	Proj Net	-422,901	0	0	0	0	0	0	0	0	0	0	0	0	-422,901

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65007625	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	160,322	0	0	0	0	0	0	0	0	0	0	0	0	160,322
	120-Overtime-General	4,371	0	0	0	0	0	0	0	0	0	0	0	0	4,371
	350-Material Issues-Major	145,892	0	0	0	0	0	0	0	0	0	0	0	0	145,892
	370-Outside Services	1,253,700	0	0	0	0	0	0	0	0	0	0	0	0	1,253,700
	374-Outside Svcs Legal	1,124	0	0	0	0	0	0	0	0	0	0	0	0	1,124
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	4,825	0	0	0	0	0	0	0	0	0	0	0	0	4,825
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	13,753	0	0	0	0	0	0	0	0	0	0	0	0	13,753
	914-Pension and Benefits Load	49,994	0	0	0	0	0	0	0	0	0	0	0	0	49,994
	915-Injuries and Damages Load	12,850	0	0	0	0	0	0	0	0	0	0	0	0	12,850
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	10,753	0	0	0	0	0	0	0	0	0	0	0	0	10,753
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	159,939	0	0	0	0	0	0	0	0	0	0	0	0	159,939
	926-A and G Loads	158,192	0	0	0	0	0	0	0	0	0	0	0	0	158,192
	928-AFUDC Debt Reg	119,197	0	0	0	0	0	0	0	0	0	0	0	0	119,197
	929-AFUDC - Equity Regular	130,468	0	0	0	0	0	0	0	0	0	0	0	0	130,468
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	2,225,380	0	0	0	0	0	0	0	0	0	0	0	0	2,225,380
	825-Clearings	-2,648,281	0	0	0	0	0	0	0	0	0	0	0	0	-2,648,281
	Clr Sum	-2,648,281	0	0	0	0	0	0	0	0	0	0	0	0	-2,648,281
	Proj Net	-422,901	0	0	0	0	0	0	0	0	0	0	0	0	-422,901

*Project No: 65008516 TOA Relay NERC Upgrade*

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

Construction Start Date Estimated Completion Date 12/31/2016

List Interim In-Service Dates

Project Need Justification

This project provides funds for the upgrade of Cascade, a North American Electric Reliability Corporation (NERC) compliance repository. These upgrades will provide additional functionality for NERC reporting on Doble testing and FLIR branded infrared camera results. Risks of not implementing this software upgrade include possible loss of functionality, decreased reliability, difficulty in NERC reporting, and an increase in man-hours.

Project Alternatives

There are no other alternatives available. These upgrades are necessary in order to meet NERC Critical Infrastructure Protection (CIP) requirements.

Technical Aspects

This will upgrade existing software, install Doble Test Assistant (DTA), add infrared camera modules, and expand the number of concurrent user licenses by five. This upgrade will also provide installation, on-site training, and software support for the upcoming year.

Project Estimate Approach

Estimate is based off of quote from vendor DNV-GL, a company that has historically been for Cascade maintenance and past upgrades.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65008516	Year	2016									
Cost_Type		Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General		0		0	500	500	500	500	0	2,000		
120-Overtime-General		0		0	0	0	0	0	0	0		
350-Material Issues-Major		0		0	0	0	0	0	0	0		
370-Outside Services		0		0	10,000	10,000	10,000	10,000	0	40,000		
374-Outside Svcs Legal		0		0	0	0	0	0	0	0		
377-Outside Services-Temp Labor		0		0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor		0		0	0	0	0	0	0	0		
530-Employee Expense		0		0	0	0	0	0	0	0		
610-Expenses - General		0		0	0	0	0	0	0	0		
805-Land and Land Rights		0		0	0	0	0	0	0	0		
807-Non Refundable Contribution		0		0	0	0	0	0	0	0		
829-Construction Adjustment		0		0	0	0	-146	-146	-146	-439		
426-Capitalized Interest		0		0	0	0	0	0	0	0		
908-Luna AR - Labor		0		0	0	0	0	0	0	0		
909-Luna AR - Other		0		0	0	0	0	0	0	0		
913-Payroll Taxes Load		0		0	39	39	39	39	0	157		
914-Pension and Benefits Load		0		0	150	150	150	150	0	599		
915-Injuries and Damages Load		0		0	33	33	33	33	0	130		
918-San Juan AR-Labor		0		0	0	0	0	0	0	0		
921-Stores / Purchasing Load		0		0	0	0	0	0	0	0		
922-Minor Material Load		0		0	0	0	0	0	0	0		
925-E and S Loads		0		0	858	858	858	858	0	3,431		
926-A and G Loads		0		0	874	874	874	874	0	3,494		
928-AFUDC Debt Reg		0		0	14	42	70	98	113	337		
929-AFUDC - Equity Regular		0		0	15	46	76	106	122	365		
937-San Juan AR - Other		0		0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V		0		0	0	0	0	0	0	0		
Cost Sum		0		0	12,482	12,541	12,453	12,511	88	50,075		
825-Clearings		0		0	0	0	0	0	-50,075	-50,075		
Clr Sum		0		0	0	0	0	0	-50,075	-50,075		
Proj Net		0		0	12,482	12,541	12,453	12,511	-49,987	0		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65008516	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	2,000	0	0	0	0	0	0	0	0	0	0	0	0	2,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	40,000	0	0	0	0	0	0	0	0	0	0	0	0	40,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-439	0	0	0	0	0	0	0	0	0	0	0	0	-439
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	157	0	0	0	0	0	0	0	0	0	0	0	0	157
	914-Pension and Benefits Load	599	0	0	0	0	0	0	0	0	0	0	0	0	599
	915-Injuries and Damages Load	130	0	0	0	0	0	0	0	0	0	0	0	0	130
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	3,431	0	0	0	0	0	0	0	0	0	0	0	0	3,431
	926-A and G Loads	3,494	0	0	0	0	0	0	0	0	0	0	0	0	3,494
	928-AFUDC Debt Reg	337	0	0	0	0	0	0	0	0	0	0	0	0	337
	929-AFUDC - Equity Regular	365	0	0	0	0	0	0	0	0	0	0	0	0	365
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	50,075	0	0	0	0	0	0	0	0	0	0	0	0	50,075
	825-Clearings	-50,075	0	0	0	0	0	0	0	0	0	0	0	0	-50,075
	Clr Sum	-50,075	0	0	0	0	0	0	0	0	0	0	0	0	-50,075
	Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65008516	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	2,000	0	0	0	0	0	0	0	0	0	0	0	0	2,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	40,000	0	0	0	0	0	0	0	0	0	0	0	0	40,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-439	0	0	0	0	0	0	0	0	0	0	0	0	-439
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	157	0	0	0	0	0	0	0	0	0	0	0	0	157
	914-Pension and Benefits Load	599	0	0	0	0	0	0	0	0	0	0	0	0	599
	915-Injuries and Damages Load	130	0	0	0	0	0	0	0	0	0	0	0	0	130
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	3,431	0	0	0	0	0	0	0	0	0	0	0	0	3,431
	926-A and G Loads	3,494	0	0	0	0	0	0	0	0	0	0	0	0	3,494
	928-AFUDC Debt Reg	337	0	0	0	0	0	0	0	0	0	0	0	0	337
	929-AFUDC - Equity Regular	365	0	0	0	0	0	0	0	0	0	0	0	0	365
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	50,075	0	0	0	0	0	0	0	0	0	0	0	0	50,075
	825-Clearings	-50,075	0	0	0	0	0	0	0	0	0	0	0	0	-50,075
	Clr Sum	-50,075	0	0	0	0	0	0	0	0	0	0	0	0	-50,075
	Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0



*Project No: 65008615 TSGT-WW345kV Line Crossing*

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

<u>Construction Start Date</u>	12/14/2015	<u>Estimated Completion Date</u>	7/31/2016
<u>List Interim In-Service Dates</u>			
<u>Project Need Justification</u>			

This project is to facilitate the construction of Tri-State Generation and Transmission Inc.’s (Tri-State) new 345/115 kV Torreon Substation that will interconnect to a new 345 kV switching station (Cabezon Station) with a three-breaker ring configuration and other associated facilities. This facility is in association with the interconnection of the Cabezon Station on PNM’s San Juan-to-Rio Puerco 345 kV transmission line (WW Line). In compliance with Federal Energy Regulatory Commission (FERC) requirements regarding a transmission provider’s obligation to provide non-discriminatory interconnection services to qualifying customers, and pursuant to the terms and conditions of the Network Integration Transmission Service Agreement (NITSA) and the Network Operating Agreement (NOA) through which PNM provides transmission service to Tri-State under PNM’s Open Access Transmission Tariff (OATT), the purpose of the project is to complete the construction of the necessary system enhancements.

Project Alternatives

There are no alternatives to this project as it is federally regulated. FERC policy dictates that PNM must provide transmission interconnection service to eligible customers, on a non-discriminatory basis, as long as the interconnector meets all necessary requirements. Once a valid application for transmission interconnection is submitted, PNM will complete a study process that determines the most appropriate facilities needed to interconnect the transmission project to the transmission system. The study process also determines the impact to the transmission system from the interconnection project and any system reinforcements or upgrades needed to remedy such impacts. Under the procedures, PNM is required to use due diligence to implement the interconnection and will construct, own and operate the transmission facilities required to interconnect the customer's transmission facility or project to the PNM transmission system.

Technical Aspects

The facilities PNM will need to construct in order to interconnect Tri-State’s Torreon substation to the PNM transmission system include the addition of three 345 kV breakers in a 345 kV three breaker ring configuration, disconnect switches, protection and control equipment, line terminal structure and line arrestors, all required facilities to interconnect the 345 kV line emanating from the Torreon Substation to the project, including a motor operated disconnect switch, associated insulators and surge arrestors, line termination facilities, dead-end terminal structure and foundations, associated communications, protection, and controls equipment. Pursuant to the provisions of the agreement between PNM and Tri-State, Tri-State will provide all the necessary land and rights-of-way for the required project facilities and transfer them to PNM at no cost. Through the project, PNM will maintain and enhance system reliability by installing equipment necessary to comply with various NERC and WECC reliability standards including NERC TPL-001-4 planning standards that require the transmission system to be designed to insure the transmission grid maintains acceptable system performance. The Project will also allow PNM to comply with the NERC TOP-002 standard, which requires transmission operators to not operate outside any system operating limit (SOL) and interconnection reliability operating limits (IROL).

Project Estimate Approach

Budgetary estimates were prepared by internal and external engineering resources, with material cost estimates obtained by our sourcing group as needed.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65008615	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	1,322			0	0	0	0	0	0	1,322		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	1,562			0	0	0	0	0	0	1,562		
370-Outside Services	24,064			0	0	0	0	0	0	24,064		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	107			0	0	0	0	0	0	107		
914-Pension and Benefits Load	341			0	0	0	0	0	0	341		
915-Injuries and Damages Load	103			0	0	0	0	0	0	103		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	-16			0	0	0	0	0	0	-16		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	7,590			0	0	0	0	0	0	7,590		
926-A and G Loads	10,008			0	0	0	0	0	0	10,008		
928-AFUDC Debt Reg	3,112			0	0	0	0	0	0	3,112		
929-AFUDC - Equity Regular	2,738			0	0	0	0	0	0	2,738		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	50,931			0	0	0	0	0	0	50,931		
825-Clearings	-92,882			-16,341	0	0	0	0	0	-109,223		
Cir Sum	-92,882			-16,341	0	0	0	0	0	-109,223		
Proj Net	-41,951			-16,341	0	0	0	0	0	-58,292		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65008615	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	1,322	0	0	0	0	0	0	0	0	0	0	0	0	1,322
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	1,562	0	0	0	0	0	0	0	0	0	0	0	0	1,562
	370-Outside Services	24,064	0	0	0	0	0	0	0	0	0	0	0	0	24,064
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	107	0	0	0	0	0	0	0	0	0	0	0	0	107
	914-Pension and Benefits Load	341	0	0	0	0	0	0	0	0	0	0	0	0	341
	915-Injuries and Damages Load	103	0	0	0	0	0	0	0	0	0	0	0	0	103
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	-16	0	0	0	0	0	0	0	0	0	0	0	0	-16
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	7,590	0	0	0	0	0	0	0	0	0	0	0	0	7,590
	926-A and G Loads	10,008	0	0	0	0	0	0	0	0	0	0	0	0	10,008
	928-AFUDC Debt Reg	3,112	0	0	0	0	0	0	0	0	0	0	0	0	3,112
	929-AFUDC - Equity Regular	2,738	0	0	0	0	0	0	0	0	0	0	0	0	2,738
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	50,931	0	0	0	0	0	0	0	0	0	0	0	0	50,931
	825-Clearings	-109,223	0	0	0	0	0	0	0	0	0	0	0	0	-109,223
	Clr Sum	-109,223	0	0	0	0	0	0	0	0	0	0	0	0	-109,223
	Proj Net	-58,292	0	0	0	0	0	0	0	0	0	0	0	0	-58,292

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65008615	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	1,322	0	0	0	0	0	0	0	0	0	0	0	0	1,322
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	1,562	0	0	0	0	0	0	0	0	0	0	0	0	1,562
	370-Outside Services	24,064	0	0	0	0	0	0	0	0	0	0	0	0	24,064
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	107	0	0	0	0	0	0	0	0	0	0	0	0	107
	914-Pension and Benefits Load	341	0	0	0	0	0	0	0	0	0	0	0	0	341
	915-Injuries and Damages Load	103	0	0	0	0	0	0	0	0	0	0	0	0	103
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	-16	0	0	0	0	0	0	0	0	0	0	0	0	-16
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	7,590	0	0	0	0	0	0	0	0	0	0	0	0	7,590
	926-A and G Loads	10,008	0	0	0	0	0	0	0	0	0	0	0	0	10,008
	928-AFUDC Debt Reg	3,112	0	0	0	0	0	0	0	0	0	0	0	0	3,112
	929-AFUDC - Equity Regular	2,738	0	0	0	0	0	0	0	0	0	0	0	0	2,738
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	50,931	0	0	0	0	0	0	0	0	0	0	0	0	50,931
	825-Clearings	-109,223	0	0	0	0	0	0	0	0	0	0	0	0	-109,223
	Clr Sum	-109,223	0	0	0	0	0	0	0	0	0	0	0	0	-109,223
	Proj Net	-58,292	0	0	0	0	0	0	0	0	0	0	0	0	-58,292

***Project No: 65009213 Jicarilla Apache Nation Trans IA***

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

<u>Construction Start Date</u>	2/13/2013	<u>Estimated Completion Date</u>	6/30/2016
<u>List Interim In-Service Dates</u>	N/A		

Project Need Justification

This is a transmission project associated with the construction of a transmission system interconnection between the Jicarilla Apache Nation (“Jicarilla”) 115 kV transmission line and 115/345 kV substation to the PNM San Juan to OJO 345 kV transmission line (the “OJ Line”). PNM and Jicarilla executed the Transmission Construction and Interconnection Agreement (“Agreement”) on February 15, 2013 and PNM is contractually obligated to perform this maintenance.

Project Alternatives

Per the obligations stipulated in the agreement, there are no other alternatives to the design and construction necessary to interconnect the new 345 kV switching station to the OJ line and install related communications and protection equipment at adjacent/related stations.

Technical Aspects

The facilities required to interconnect Jicarilla’s 345 kV transmission line to the PNM transmission system include the addition of a new 345 kV switching station, in a three breakerring configuration, at the proposed interconnection site (i.e., where the OJ Line crosses State Road 537). In addition, a 25 Mvar switchable shunt reactor, located at the new 345 kV switching station will be required to maintain acceptable voltage performance. Other major required facilities include:

1. Transmission Provider Interconnection Facilities, including a motor operated disconnect switch and required primary and back-up metering equipment for the new facilities to interconnect the Jicarilla’s 345 kV transmission line to the new 345 kV switching station
2. Construction of dead-end structures to interconnect the new 345 kV switching station to the OJ Line
3. The installation of associated communications and protection equipment.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65009213	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	361,000			0	0	0	0	0	0	361,000		
120-Overtime-General	59,984			0	0	0	0	0	0	59,984		
350-Material Issues-Major	67,259			0	0	0	0	0	0	67,259		
370-Outside Services	141,968			0	0	0	0	0	0	141,968		
374-Outside Svcs Legal	133,343			0	0	0	0	0	0	133,343		
377-Outside Services-Temp Labor	25,915			0	0	0	0	0	0	25,915		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	34,902			0	0	0	0	0	0	34,902		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	28,248			0	0	0	0	0	0	28,248		
914-Pension and Benefits Load	109,481			0	0	0	0	0	0	109,481		
915-Injuries and Damages Load	28,420			0	0	0	0	0	0	28,420		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	4,605			0	0	0	0	0	0	4,605		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	100,613			0	0	0	0	0	0	100,613		
926-A and G Loads	49,105			0	0	0	0	0	0	49,105		
928-AFUDC Debt Reg	27,672			0	0	0	0	0	0	27,672		
929-AFUDC - Equity Regular	38,249			0	0	0	0	0	0	38,249		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	1,210,764			0	0	0	0	0	0	1,210,764		
825-Clearings	-10,975,892			34,563	0	0	0	0	0	-10,941,329		
Clr Sum	-10,975,892			34,563	0	0	0	0	0	-10,941,329		
Proj Net	-9,765,128			34,563	0	0	0	0	0	-9,730,565		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65009213	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	361,000	0	0	0	0	0	0	0	0	0	0	0	0	361,000
	120-Overtime-General	59,984	0	0	0	0	0	0	0	0	0	0	0	0	59,984
	350-Material Issues-Major	67,259	0	0	0	0	0	0	0	0	0	0	0	0	67,259
	370-Outside Services	141,968	0	0	0	0	0	0	0	0	0	0	0	0	141,968
	374-Outside Svcs Legal	133,343	0	0	0	0	0	0	0	0	0	0	0	0	133,343
	377-Outside Services-Temp Labor	25,915	0	0	0	0	0	0	0	0	0	0	0	0	25,915
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	34,902	0	0	0	0	0	0	0	0	0	0	0	0	34,902
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	28,248	0	0	0	0	0	0	0	0	0	0	0	0	28,248
	914-Pension and Benefits Load	109,481	0	0	0	0	0	0	0	0	0	0	0	0	109,481
	915-Injuries and Damages Load	28,420	0	0	0	0	0	0	0	0	0	0	0	0	28,420
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	4,605	0	0	0	0	0	0	0	0	0	0	0	0	4,605
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	100,613	0	0	0	0	0	0	0	0	0	0	0	0	100,613
	926-A and G Loads	49,105	0	0	0	0	0	0	0	0	0	0	0	0	49,105
	928-AFUDC Debt Reg	27,672	0	0	0	0	0	0	0	0	0	0	0	0	27,672
	929-AFUDC - Equity Regular	38,249	0	0	0	0	0	0	0	0	0	0	0	0	38,249
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	1,210,764	0	0	0	0	0	0	0	0	0	0	0	0	1,210,764
	825-Clearings	-10,941,329	0	0	0	0	0	0	0	0	0	0	0	0	-10,941,329
	Clr Sum	-10,941,329	0	0	0	0	0	0	0	0	0	0	0	0	-10,941,329
Proj Net		-9,730,565	0	0	0	0	0	0	0	0	0	0	0	0	-9,730,565



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65009213	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	361,000	0	0	0	0	0	0	0	0	0	0	0	0	361,000
	120-Overtime-General	59,984	0	0	0	0	0	0	0	0	0	0	0	0	59,984
	350-Material Issues-Major	67,259	0	0	0	0	0	0	0	0	0	0	0	0	67,259
	370-Outside Services	141,968	0	0	0	0	0	0	0	0	0	0	0	0	141,968
	374-Outside Svcs Legal	133,343	0	0	0	0	0	0	0	0	0	0	0	0	133,343
	377-Outside Services-Temp Labor	25,915	0	0	0	0	0	0	0	0	0	0	0	0	25,915
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	34,902	0	0	0	0	0	0	0	0	0	0	0	0	34,902
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	28,248	0	0	0	0	0	0	0	0	0	0	0	0	28,248
	914-Pension and Benefits Load	109,481	0	0	0	0	0	0	0	0	0	0	0	0	109,481
	915-Injuries and Damages Load	28,420	0	0	0	0	0	0	0	0	0	0	0	0	28,420
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	4,605	0	0	0	0	0	0	0	0	0	0	0	0	4,605
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	100,613	0	0	0	0	0	0	0	0	0	0	0	0	100,613
	926-A and G Loads	49,105	0	0	0	0	0	0	0	0	0	0	0	0	49,105
	928-AFUDC Debt Reg	27,672	0	0	0	0	0	0	0	0	0	0	0	0	27,672
	929-AFUDC - Equity Regular	38,249	0	0	0	0	0	0	0	0	0	0	0	0	38,249
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	1,210,764	0	0	0	0	0	0	0	0	0	0	0	0	1,210,764
	825-Clearings	-10,941,329	0	0	0	0	0	0	0	0	0	0	0	0	-10,941,329
	Clr Sum	-10,941,329	0	0	0	0	0	0	0	0	0	0	0	0	-10,941,329
	Proj Net	-9,730,565	0	0	0	0	0	0	0	0	0	0	0	0	-9,730,565

***Project No: 65009606 Blackwater Station Life Extensi***

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

Construction Start Date 1/1/2006 Estimated Completion Date 1/31/2017

List Interim In-Service Dates

Project Need Justification

The existing pneumatic controls in this station are outdated, are showing signs of aging, and cannot be replaced/repared because they are obsolete. Therefore they will be replaced with new programmable logic controls (PLC's ) under a planned project schedule to ensure the reliable functionality of these critical systems. The new Heating Ventilation and Air Conditioning (HVAC) control systems will maintain the environmental conditions (remove heat) in the valve hall; without which the Blackwater converter station would shutdown creating a transmission outage.Waiting to replace these controls in a non-planned environment (i.e., in response to an outage) would require extensive engineering time, material delivery times, and extensive final implementation and testing to complete a system restoration. Therefore is was determined to replace these controls prior to failure.

Project Alternatives

Existing pneumatic controls which are original to the plant (~1983) are functionally obsolete and replacement parts are no longer available. Complete replacement of the control system is the only viable option.

Technical Aspects

The current pneumatic controls and sensors which were state of the art in 1983, and needed in the thyristor valve hall (energized equipment) at the time are obsolete. For this project, they will be replaced with modern control systems utilizing fiber optics.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65009606	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	203,386			0	0	0	0	0	0	203,386		
120-Overtime-General	72,101			0	0	0	0	0	0	72,101		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	12,176,032			0	0	0	0	0	0	12,176,032		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	9,313			0	0	0	0	0	0	9,313		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	21,394			0	0	0	0	0	0	21,394		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	1,734			0	0	0	-124	-124	-124	1,363		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	22,474			0	0	0	0	0	0	22,474		
914-Pension and Benefits Load	84,468			0	0	0	0	0	0	84,468		
915-Injuries and Damages Load	21,630			0	0	0	0	0	0	21,630		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	66,406			0	0	0	0	0	0	66,406		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	447,805			0	0	0	0	0	0	447,805		
926-A and G Loads	362,050			0	0	0	0	0	0	362,050		
928-AFUDC Debt Reg	464,095			59	59	59	59	59	59	464,450		
929-AFUDC - Equity Regular	118,151			64	64	64	64	64	64	118,536		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	14,071,040			122	123	123	0	0	0	14,071,408		
825-Clearings	-14,266,207			0	0	0	0	0	0	-14,266,207		
Clr Sum	-14,266,207			0	0	0	0	0	0	-14,266,207		
Proj Net	-195,168			122	123	123	0	0	0	-194,800		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65009606	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	203,386	0	0	0	0	0	0	0	0	0	0	0	0	203,386
	120-Overtime-General	72,101	0	0	0	0	0	0	0	0	0	0	0	0	72,101
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	12,176,032	0	0	0	0	0	0	0	0	0	0	0	0	12,176,032
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	9,313	0	0	0	0	0	0	0	0	0	0	0	0	9,313
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	21,394	0	0	0	0	0	0	0	0	0	0	0	0	21,394
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	1,363	-159	0	0	0	0	0	0	0	0	0	0	0	1,205
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	22,474	0	0	0	0	0	0	0	0	0	0	0	0	22,474
	914-Pension and Benefits Load	84,468	0	0	0	0	0	0	0	0	0	0	0	0	84,468
	915-Injuries and Damages Load	21,630	0	0	0	0	0	0	0	0	0	0	0	0	21,630
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	66,406	0	0	0	0	0	0	0	0	0	0	0	0	66,406
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	447,805	0	0	0	0	0	0	0	0	0	0	0	0	447,805
	926-A and G Loads	362,050	0	0	0	0	0	0	0	0	0	0	0	0	362,050
	928-AFUDC Debt Reg	464,450	69	0	0	0	0	0	0	0	0	0	0	0	464,518
	929-AFUDC - Equity Regular	118,536	90	0	0	0	0	0	0	0	0	0	0	0	118,625
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	14,071,408	0	0	0	0	0	0	0	0	0	0	0	0	14,071,408
	825-Clearings	-14,266,207	-26,392	0	0	0	0	0	0	0	0	0	0	0	-14,292,599
	Clr Sum	-14,266,207	-26,392	0	0	0	0	0	0	0	0	0	0	0	-14,292,599
	Proj Net	-194,800	-26,392	0	0	0	0	0	0	0	0	0	0	0	-221,191

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65009606	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	203,386	0	0	0	0	0	0	0	0	0	0	0	0	203,386
	120-Overtime-General	72,101	0	0	0	0	0	0	0	0	0	0	0	0	72,101
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	12,176,032	0	0	0	0	0	0	0	0	0	0	0	0	12,176,032
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	9,313	0	0	0	0	0	0	0	0	0	0	0	0	9,313
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	21,394	0	0	0	0	0	0	0	0	0	0	0	0	21,394
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	1,205	0	0	0	0	0	0	0	0	0	0	0	0	1,205
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	22,474	0	0	0	0	0	0	0	0	0	0	0	0	22,474
	914-Pension and Benefits Load	84,468	0	0	0	0	0	0	0	0	0	0	0	0	84,468
	915-Injuries and Damages Load	21,630	0	0	0	0	0	0	0	0	0	0	0	0	21,630
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	66,406	0	0	0	0	0	0	0	0	0	0	0	0	66,406
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	447,805	0	0	0	0	0	0	0	0	0	0	0	0	447,805
	926-A and G Loads	362,050	0	0	0	0	0	0	0	0	0	0	0	0	362,050
	928-AFUDC Debt Reg	464,518	0	0	0	0	0	0	0	0	0	0	0	0	464,518
	929-AFUDC - Equity Regular	118,625	0	0	0	0	0	0	0	0	0	0	0	0	118,625
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	14,071,408	0	0	0	0	0	0	0	0	0	0	0	0	14,071,408
	825-Clearings	-14,292,599	0	0	0	0	0	0	0	0	0	0	0	0	-14,292,599
	Clr Sum	-14,292,599	0	0	0	0	0	0	0	0	0	0	0	0	-14,292,599
	Proj Net	-221,191	0	0	0	0	0	0	0	0	0	0	0	0	-221,191

***Project No: 65028016 Most Limiting Element Application Development Project***

Company: 002-Transmission Services  
Location: 650 Transmission

Project Information

<u>Construction Start Date</u>	4/25/2016	<u>Estimated Completion Date</u>	10/31/2016
<u>List Interim In-Service Dates</u>			

Project Need Justification

A 2014 NERC audit finding identified the need for PNM to improve how it calculating and documenting transmission circuit ratings. More specifically, the existing process included a manually maintained spreadsheet that did not indicate sources for reference information for equipment ratings. The project involves developing a new software application that replaces the spreadsheet to improve PNM's process for calculating and documenting transmission circuit ratings.

Project Alternatives

A search of commercially available software determined there was no suitable solution readily available. Technical specifications were developed with support from the IT group. Proposals were solicited from software vendors and two short listed firms were selected to develop proof-of-concept proposals, from which the successful firm was awarded the contract for development.

Technical Aspects

The Project team including Protection and Control, Station and Line Design and Information Technology evaluated the proposals to assure the new application would be compatible with PNM software standards, interface with other software, satisfy compliance audit requirements, and meet the needs of the various end users.

Project Estimate Approach

The IT group supplied the estimated programing hours/costs from other recent software development projects. Based on this data competitive proposals were solicited.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	65028016	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	1,211			2,000	4,000	0	0	0	0	7,211		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	4,020			25,000	25,000	0	0	0	0	54,020		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-296	0	0	-296		
426-Capitalized Interest	24			98	240	292	296	0	0	950		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	110			157	315	0	0	0	0	582		
914-Pension and Benefits Load	419			599	1,198	0	0	0	0	2,216		
915-Injuries and Damages Load	91			130	261	0	0	0	0	483		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	25			0	0	0	0	0	0	25		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	451			2,246	2,413	0	0	0	0	5,110		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	6,352			30,231	33,426	292	1	0	0	70,301		
825-Clearings	0			0	0	0	-70,559	0	0	-70,559		
Clr Sum	0			0	0	0	-70,559	0	0	-70,559		
Proj Net	6,352			30,231	33,426	292	-70,558	0	0	-257		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	65028016	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	7,211	0	0	0	0	0	0	0	0	0	0	0	0	7,211
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	54,020	0	0	0	0	0	0	0	0	0	0	0	0	54,020
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-296	0	0	0	0	0	0	0	0	0	0	0	0	-296
	426-Capitalized Interest	950	0	0	0	0	0	0	0	0	0	0	0	0	950
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	582	0	0	0	0	0	0	0	0	0	0	0	0	582
	914-Pension and Benefits Load	2,216	0	0	0	0	0	0	0	0	0	0	0	0	2,216
	915-Injuries and Damages Load	483	0	0	0	0	0	0	0	0	0	0	0	0	483
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	25	0	0	0	0	0	0	0	0	0	0	0	0	25
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	5,110	0	0	0	0	0	0	0	0	0	0	0	0	5,110
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	70,301	0	0	0	0	0	0	0	0	0	0	0	0	70,301
	825-Clearings	-70,559	0	0	0	0	0	0	0	0	0	0	0	0	-70,559
	Clr Sum	-70,559	0	0	0	0	0	0	0	0	0	0	0	0	-70,559
	Proj Net	-257	0	0	0	0	0	0	0	0	0	0	0	0	-257



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	65028016	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	7,211	0	0	0	0	0	0	0	0	0	0	0	0	7,211
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	54,020	0	0	0	0	0	0	0	0	0	0	0	0	54,020
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-296	0	0	0	0	0	0	0	0	0	0	0	0	-296
	426-Capitalized Interest	950	0	0	0	0	0	0	0	0	0	0	0	0	950
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	582	0	0	0	0	0	0	0	0	0	0	0	0	582
	914-Pension and Benefits Load	2,216	0	0	0	0	0	0	0	0	0	0	0	0	2,216
	915-Injuries and Damages Load	483	0	0	0	0	0	0	0	0	0	0	0	0	483
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	25	0	0	0	0	0	0	0	0	0	0	0	0	25
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	5,110	0	0	0	0	0	0	0	0	0	0	0	0	5,110
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	70,301	0	0	0	0	0	0	0	0	0	0	0	0	70,301
	825-Clearings	-70,559	0	0	0	0	0	0	0	0	0	0	0	0	-70,559
	Clr Sum	-70,559	0	0	0	0	0	0	0	0	0	0	0	0	-70,559
	Proj Net	-257	0	0	0	0	0	0	0	0	0	0	0	0	-257

Distribution Tier 3 Capital Projects

# PNM Exhibit JRM-9

Is contained in the following 257 pages

**Electronic Instructions:**

To view detailed costs for each project, click project to highlight then Press "CTRL" and left click on mouse.

To return back to index from detailed costs, click "CTRL" and "Home"

Wednesday, November 16, 2016

9:22:54 PM

PNM EXHIBIT JRM-9-Distribution Tier 3 Capital Projects

Link/Test

CWIP

Total

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Project No:20000507 Lighting	\$2,118 (	\$411)	\$2,118.....	78
Project No:20034009 Deming Tools & Equipment	\$30,740	\$0	\$30,740.....	82
Project No:30000107 LV-Line Extensions - Residential	\$20,185 (	\$27)	\$20,185.....	86
Project No:30000207 Line Extension - Commercial	\$70,592 (	\$2,450)	\$70,592.....	90
Project No:30000507 Lighting	\$671 (	\$1,636)	\$671.....	94
Project No:30000607 Distr. Remove & Replace	\$96,988	\$3,132	\$96,988.....	98
Project No:30000707 Distr. system Improvements	\$61,246 (	\$3,495)	\$61,246....	102
Project No:30034007 Tools & Equipment	\$12,971	\$0	\$12,971....	106
Project No:41000407 Santa Fe Line Extensions - Misc	\$3,703	\$1,270	\$3,703....	110
Project No:41000507 Lighting	\$20,882 (	\$4,440)	\$20,882....	114
Project No:41001207 Pole Replacement	\$49,103 (	\$3,883)	\$49,103....	118
Project No:50000107 Line Extension - Residential	\$75,192 (	\$14,234)	\$75,192....	122
Project No:50000407 Line Extensions - Misc (	\$1,313) (	\$111) (	\$1,313)....	126

Project No:50000507 Lighting .....	\$38,036 .....	\$1,560 .....	\$38,036....	130
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Project No:89900507 Lighting .....	\$33,325 .....	\$5,799 .....	\$33,325....	138
Project No:89901207 Bernalillo Pole Replacement .....	\$43,668 (.....	\$8,153) .....	\$43,668....	142
Project No:90000207 Clayton Line Extension - Commercial .....	\$39,175 (.....	\$521) .....	\$39,175....	146
Project No:90000607 Clayton Remove and Replace .....	\$51,750 .....	\$0 .....	\$51,750....	150
Project No:90000707 Clayton System Improvements .....	\$38,105 (.....	\$13,430) .....	\$38,105....	154
Project No:90000807 Clayton Services .....	\$16,648 .....	\$864 .....	\$16,648....	158
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Specifics .....	\$735,782 .....	\$152,998 .....	\$735,782....	170
Project No:01401615 2015 Dist Solar 40MW .....	\$81,097 .....	\$81,097 .....	\$81,097....	171
Project No:10002214 Hawkins Feeder 23 (.....	\$20,730) .....	\$0 (.....	\$20,730)....	175
Project No:10002314 Albuquerque Feeder testing and repl .....	\$1,377 .....	\$0 .....	\$1,377....	179
Project No:10030515 Test Lab Building Modifications .....	\$1,248 .....	\$0 .....	\$1,248....	184
Project No:10030516 Edith Service Center Comm & Relay Bldg VRT Replacement .....	\$28,301 .....	\$0 .....	\$28,301....	189
Project No:10030616 Edith Service Center Fleet Building Evaporative Cooler Replacement .....	\$65,604 .....	\$0 .....	\$65,604....	193
Project No:10030617 Admin AV Equipment Upgrades .....	\$46,074 .....	\$0 .....	\$46,074....	197
Project No:15001715 Tularosa/Alamo Transformer .....	\$21,840 .....	\$21,738 .....	\$21,840....	201
Project No:15002516 Pole Grounds .....	\$88,054 .....	\$0 .....	\$88,054....	206

Project No:15034011 WNM Engineering Tools and Equip .....	\$29,997	..... \$0	..... \$29,997....	210
Project No:15034016 Longridge Generator Upgrade .....	\$88,490	..... \$0	..... \$88,490....	214
Project No:15230616 Ruidoso Customer Building HVAC Replacement .....	\$32,649	..... \$0	..... \$32,649....	218
Project No:15501616 Silver City Fiber .....	\$49,464	..... \$49,464	..... \$49,464....	222
Project No:15530516 Silver City Building Renovations .....	\$54,389	..... \$0	..... \$54,389....	226
Project No:41002814 Colinas Single Phase loop Galisteo Phase 1 .....	\$43,154	..... \$0	..... \$43,154....	230
Project No:41003014 Paseo del tierra .....	\$4,380	..... \$698	..... \$4,380....	234
Project No:50001616 OPGW ADSS Fiber Project .....	\$11,111	..... \$0	..... \$11,111....	238
Project No:60001617 Avian Improvements .....	\$83,997	..... \$0	..... \$83,997....	242
Project No:60001813 Plateau Fiber Project ( .....	\$43,194)	..... \$0 (	..... \$43,194)....	246
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Totals for Report.....	\$2,049,113	..... \$108,580	..... \$2,049,113....	257

***Blanket***

***Project No: 10000407 Line Extensions - Misc***

Company: 001-Electric Services  
Location: 100 Distribution

Project Information

<u>Construction Start Date</u>	1/1/2012	<u>Estimated Completion Date</u>
<u>List Interim In-Service Dates</u>		
NA		

Project Need Justification

This funding project provides temporary service for lines which will not remain in service for greater than one year. This is typically requested of contractors for supplying power during construction of residential, commercial, industrial buildings, or facilities prior to permanent service being provided.

Project Alternatives

There are no other alternatives, PNM is required to provide service to customers as requested. Each customer request is evaluated independently with the goal of providing the minimum cost extension to provide the service requested. The customer has the option to provide their own source of power from generators should PNM’s cost of temporary power be too high. The customer is responsible for the cost of both the installation and removal of the equipment necessary for the temporary power.

Technical Aspects

Providing temporary service can include the installation and removal of poles, wire, and transformers.

Project Estimate Approach



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	10000407	Year	2016	Jul	Aug	Sep	Oct	Nov	Dec	Total
Cost_Type		Bal 6/30/16								
110-Straight Time-General		2,242		0	0	0	0	0	0	2,242
120-Overtime-General		0		0	0	0	0	0	0	0
350-Material Issues-Major		2,611		0	0	0	0	0	0	2,611
370-Outside Services		7,225		0	0	0	0	0	0	7,225
374-Outside Svcs Legal		0		0	0	0	0	0	0	0
377-Outside Services-Temp Labor		0		0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0		0	0	0	0	0	0	0
530-Employee Expense		0		0	0	0	0	0	0	0
610-Expenses - General		0		0	0	0	0	0	0	0
805-Land and Land Rights		0		0	0	0	0	0	0	0
807-Non Refundable Contribution		-10,587		0	0	0	0	0	0	-10,587
829-Construction Adjustment		0		0	0	0	0	0	0	0
426-Capitalized Interest		0		0	0	0	0	0	0	0
908-Luna AR - Labor		0		0	0	0	0	0	0	0
909-Luna AR - Other		0		0	0	0	0	0	0	0
913-Payroll Taxes Load		191		0	0	0	0	0	0	191
914-Pension and Benefits Load		712		0	0	0	0	0	0	712
915-Injuries and Damages Load		181		0	0	0	0	0	0	181
918-San Juan AR-Labor		0		0	0	0	0	0	0	0
921-Stores / Purchasing Load		190		0	0	0	0	0	0	190
922-Minor Material Load		153		0	0	0	0	0	0	153
925-E and S Loads		2,294		0	0	0	0	0	0	2,294
926-A and G Loads		1,032		0	0	0	0	0	0	1,032
928-AFUDC Debt Reg		0		0	0	0	0	0	0	0
929-AFUDC - Equity Regular		0		0	0	0	0	0	0	0
937-San Juan AR - Other		0		0	0	0	0	0	0	0
961-Luna A&G PNMR D&V		0		0	0	0	0	0	0	0
Cost Sum		6,244		0	0	0	0	0	0	6,244
825-Clearings		-3,542		-5,789	0	0	0	0	0	-9,331
Clr Sum		-3,542		-5,789	0	0	0	0	0	-9,331
Proj Net		2,702		-5,789	0	0	0	0	0	-3,087

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	10000407	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	2,242	0	0	0	0	0	0	0	0	0	0	0	0	2,242
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	2,611	0	0	0	0	0	0	0	0	0	0	0	0	2,611
	370-Outside Services	7,225	0	0	0	0	0	0	0	0	0	0	0	0	7,225
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		-10,587	0	0	0	0	0	0	0	0	0	0	0	0	-10,587
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	191	0	0	0	0	0	0	0	0	0	0	0	0	191
	914-Pension and Benefits Load	712	0	0	0	0	0	0	0	0	0	0	0	0	712
	915-Injuries and Damages Load	181	0	0	0	0	0	0	0	0	0	0	0	0	181
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	190	0	0	0	0	0	0	0	0	0	0	0	0	190
	922-Minor Material Load	153	0	0	0	0	0	0	0	0	0	0	0	0	153
	925-E and S Loads	2,294	0	0	0	0	0	0	0	0	0	0	0	0	2,294
	926-A and G Loads	1,032	0	0	0	0	0	0	0	0	0	0	0	0	1,032
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	6,244	0	0	0	0	0	0	0	0	0	0	0	0	6,244
	825-Clearings	-9,331	0	0	0	0	0	0	0	0	0	0	0	0	-9,331
	Clr Sum	-9,331	0	0	0	0	0	0	0	0	0	0	0	0	-9,331
Proj Net		-3,087	0	0	0	0	0	0	0	0	0	0	0	0	-3,087

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	10000407	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	2,242	0	0	0	0	0	0	0	0	0	0	0	0	2,242
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	2,611	0	0	0	0	0	0	0	0	0	0	0	0	2,611
	370-Outside Services	7,225	0	0	0	0	0	0	0	0	0	0	0	0	7,225
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	-10,587	0	0	0	0	0	0	0	0	0	0	0	0	-10,587
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	191	0	0	0	0	0	0	0	0	0	0	0	0	191
	914-Pension and Benefits Load	712	0	0	0	0	0	0	0	0	0	0	0	0	712
	915-Injuries and Damages Load	181	0	0	0	0	0	0	0	0	0	0	0	0	181
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	190	0	0	0	0	0	0	0	0	0	0	0	0	190
	922-Minor Material Load	153	0	0	0	0	0	0	0	0	0	0	0	0	153
	925-E and S Loads	2,294	0	0	0	0	0	0	0	0	0	0	0	0	2,294
	926-A and G Loads	1,032	0	0	0	0	0	0	0	0	0	0	0	0	1,032
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	6,244	0	0	0	0	0	0	0	0	0	0	0	0	6,244
	825-Clearings	-9,331	0	0	0	0	0	0	0	0	0	0	0	0	-9,331
	Clr Sum	-9,331	0	0	0	0	0	0	0	0	0	0	0	0	-9,331
	Proj Net	-3,087	0	0	0	0	0	0	0	0	0	0	0	0	-3,087

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***Project No: 10002210 Bird Guard Project ABQ***

Company: 001-Electric Services  
Location: 100 Distribution

Project Information

Construction Start Date                      2/1/2014                      Estimated Completion Date

List Interim In-Service Dates

Clearings occur quarterly for Bird Guarding.

Project Need Justification

This project provides for the installation of insulating guarding materials to prevent wildlife from making contact with energized distribution equipment. More specifically, this project modifies existing facilities where high bird mortality rates are identified and create a regulatory vulnerability for PNM with respect to bird laws. This project demonstrates a good faith effort to protect birds and thereby limits corporate liability for prosecution under the Migratory Bird Treaty Act (MBTA) and other bird laws. Violations of these laws constitutes a significant liability for utilities. Additionally, over time the project will result in fewer outages and increased customer satisfaction. It will also reflect positively for PNM with stakeholders concerned with bird and wildlife issues.

Project Alternatives

These improvements are necessary to comply with regulations relating to birds. Alternatives are evaluated on a project-by-project basis to choose the most cost effective method within standard procedure to address the issue and comply with bird law.

Technical Aspects

This project provides for the installation of protective covers over insulators, wires and other equipment in areas known to be inhabited/frequented by birds projected under the Migratory Bird Treaty Act to reduce the hazard of an electrocution hazard.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	10002210	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	5,847		350	350	350	350	350	350	7,947		
	120-Overtime-General	8,216		2	2	2	2	2	2	8,228		
	350-Material Issues-Major	23,537		221	221	221	221	221	221	24,863		
	370-Outside Services	67,143		607	607	607	607	607	607	70,785		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	1		
	377-Outside Services-Temp Labor	10,582		1	1	1	1	1	1	10,589		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	1		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		1	1	1	1	1	1	5		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	1,140		28	28	28	28	28	28	1,307		
	914-Pension and Benefits Load	4,238		105	105	105	105	105	105	4,870		
	915-Injuries and Damages Load	1,124		23	23	23	23	23	23	1,262		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	10,700		25	25	25	25	25	25	10,847		
	922-Minor Material Load	1,391		0	0	0	0	0	0	1,391		
	925-E and S Loads	24,278		248	248	248	248	248	248	25,764		
	926-A and G Loads	17,117		98	98	98	98	98	98	17,707		
	928-AFUDC Debt Reg	904		0	0	0	0	0	0	904		
	929-AFUDC - Equity Regular	442		0	0	0	0	0	0	442		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	176,659		1,709	1,709	1,709	1,709	1,709	1,709	186,912		
	825-Clearings	-183,228		-427	-748	-988	-1,168	-1,303	-4,495	-192,357		
	Clr Sum	-183,228		-427	-748	-988	-1,168	-1,303	-4,495	-192,357		
Proj Net		-6,569		1,282	961	721	541	405	-2,786	-5,446		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	10002210	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	7,947	0	0	0	0	0	0	0	0	0	0	0	0	7,947
	120-Overtime-General	8,228	0	0	0	0	0	0	0	0	0	0	0	0	8,228
	350-Material Issues-Major	24,863	0	0	0	0	0	0	0	0	0	0	0	0	24,863
	370-Outside Services	70,785	0	0	0	0	0	0	0	0	0	0	0	0	70,785
	374-Outside Svcs Legal	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	377-Outside Services-Temp Labor	10,589	0	0	0	0	0	0	0	0	0	0	0	0	10,589
	391-Jt Proj Bills to PNM-Non-Labor	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	5	0	0	0	0	0	0	0	0	0	0	0	0	5
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	1,307	0	0	0	0	0	0	0	0	0	0	0	0	1,307
	914-Pension and Benefits Load	4,870	0	0	0	0	0	0	0	0	0	0	0	0	4,870
	915-Injuries and Damages Load	1,262	0	0	0	0	0	0	0	0	0	0	0	0	1,262
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	10,847	0	0	0	0	0	0	0	0	0	0	0	0	10,847
	922-Minor Material Load	1,391	0	0	0	0	0	0	0	0	0	0	0	0	1,391
	925-E and S Loads	25,764	0	0	0	0	0	0	0	0	0	0	0	0	25,764
	926-A and G Loads	17,707	0	0	0	0	0	0	0	0	0	0	0	0	17,707
	928-AFUDC Debt Reg	904	0	0	0	0	0	0	0	0	0	0	0	0	904
	929-AFUDC - Equity Regular	442	0	0	0	0	0	0	0	0	0	0	0	0	442
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	186,912	0	0	0	0	0	0	0	0	0	0	0	0	186,912
	825-Clearings	-192,357	-1,124	0	0	0	0	0	0	0	0	0	0	0	-193,481
	Clr Sum	-192,357	-1,124	0	0	0	0	0	0	0	0	0	0	0	-193,481
	Proj Net	-5,446	-1,124	0	0	0	0	0	0	0	0	0	0	0	-6,569

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	10002210	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	7,947	0	0	0	0	0	0	0	0	0	0	0	0	7,947
	120-Overtime-General	8,228	0	0	0	0	0	0	0	0	0	0	0	0	8,228
	350-Material Issues-Major	24,863	0	0	0	0	0	0	0	0	0	0	0	0	24,863
	370-Outside Services	70,785	0	0	0	0	0	0	0	0	0	0	0	0	70,785
	374-Outside Svcs Legal	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	377-Outside Services-Temp Labor	10,589	0	0	0	0	0	0	0	0	0	0	0	0	10,589
391-Jt Proj Bills to PNM-Non-Labor		1	0	0	0	0	0	0	0	0	0	0	0	0	1
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	5	0	0	0	0	0	0	0	0	0	0	0	0	5
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	1,307	0	0	0	0	0	0	0	0	0	0	0	0	1,307
	914-Pension and Benefits Load	4,870	0	0	0	0	0	0	0	0	0	0	0	0	4,870
	915-Injuries and Damages Load	1,262	0	0	0	0	0	0	0	0	0	0	0	0	1,262
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	10,847	0	0	0	0	0	0	0	0	0	0	0	0	10,847
	922-Minor Material Load	1,391	0	0	0	0	0	0	0	0	0	0	0	0	1,391
	925-E and S Loads	25,764	0	0	0	0	0	0	0	0	0	0	0	0	25,764
	926-A and G Loads	17,707	0	0	0	0	0	0	0	0	0	0	0	0	17,707
	928-AFUDC Debt Reg	904	0	0	0	0	0	0	0	0	0	0	0	0	904
	929-AFUDC - Equity Regular	442	0	0	0	0	0	0	0	0	0	0	0	0	442
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	186,912	0	0	0	0	0	0	0	0	0	0	0	0	186,912
	825-Clearings	-193,481	0	0	0	0	0	0	0	0	0	0	0	0	-193,481
	Clr Sum	-193,481	0	0	0	0	0	0	0	0	0	0	0	0	-193,481
	Proj Net	-6,569	0	0	0	0	0	0	0	0	0	0	0	0	-6,569

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***Project No: 10030610 2011 Communications Equipment Capital Budget***

Company: 001-Electric Services  
Location: 100 Distribution

Project Information

Construction Start Date                      1/1/2012                      Estimated Completion Date

List Interim In-Service Dates

An estimate of four work orders will be completed per year.

Project Need Justification

This project provides funding to replace or upgrade aging or obsolete communications equipment within PNM's electric distribution system, including replacing or upgrading Supervisory Control And Data Acquisition (SCADA) Remote Terminal Units or radios, and upgrading SCADA switch controllers and related equipment.

Project Alternatives

The alternative to this discretionary funding would be to have all system equipment upgrades and replacement of obsolete equipment, regardless of scope, be individually processed through the approval process for capital projects. This would dramatically reduce the ability to address critical upgrades and PNM's ability to replace failed or obsolete communication equipment. Alternative upgrade options are considered for each upgrade at the work order level.

Technical Aspects

The technical aspects of this project involve subject matter experts (i.e. supervisors) identifying critical communications equipment in the southern part of the state in need of replacement or upgrade. Equipment supervisors typically identify include 800mHz radio system components, SCADA Communications equipment, and microwave repeater radios and related equipment. The funds on this project would be used to cover both material costs as well as labor costs associated with the work needed to upgrade communications equipment.

Project Estimate Approach

N/A



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	10030610	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	1,216		387	387	387	387	387	387	3,537		
	120-Overtime-General	143		0	0	0	0	0	0	143		
	350-Material Issues-Major	6,678		578	578	578	578	578	578	10,143		
	370-Outside Services	5,840		0	0	0	0	0	0	5,840		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	-5	-5	-5	-15		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	99		30	30	30	30	30	30	282		
	914-Pension and Benefits Load	390		116	116	116	116	116	116	1,084		
	915-Injuries and Damages Load	102		25	25	25	25	25	25	253		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	511		64	64	64	64	64	64	897		
	922-Minor Material Load	0		0	0	0	0	0	0	0		
	925-E and S Loads	0		0	0	0	0	0	0	0		
	926-A and G Loads	3,228		80	80	80	80	80	80	3,710		
	928-AFUDC Debt Reg	410		57	13	4	3	2	2	491		
	929-AFUDC - Equity Regular	361		61	14	5	3	2	2	449		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	18,977		1,398	1,307	1,289	1,280	1,280	1,280	26,813		
	825-Clearings	-19,613		-20,694	-5,185	-2,068	-1,438	-1,312	-1,286	-51,596		
	Clr Sum	-19,613		-20,694	-5,185	-2,068	-1,438	-1,312	-1,286	-51,596		
	Proj Net	-635		-19,296	-3,877	-779	-158	-32	-6	-24,783		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	10030610	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	3,537	356	356	356	356	356	356	356	356	356	356	356	356	7,812
	120-Overtime-General	143	0	0	0	0	0	0	0	0	0	0	0	0	143
	350-Material Issues-Major	10,143	578	578	578	578	4,000	1,000	578	578	578	578	578	578	20,918
	370-Outside Services	5,840	0	0	0	0	0	0	0	0	0	122	122	122	6,205
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-15	-6	-6	0	0	0	0	0	0	0	0	0	0	-26
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	282	28	28	28	28	28	28	28	28	28	28	28	28	617
	914-Pension and Benefits Load	1,084	97	97	97	97	97	97	97	97	97	97	97	97	2,251
	915-Injuries and Damages Load	253	22	22	22	22	22	22	22	22	22	22	22	22	519
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	897	100	100	100	100	692	173	100	100	100	100	100	100	2,761
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	3,710	63	63	63	63	293	91	63	63	63	71	71	71	4,746
	928-AFUDC Debt Reg	491	2	6	9	12	21	31	18	22	25	28	32	19	717
	929-AFUDC - Equity Regular	449	3	7	12	16	28	40	24	28	33	37	42	25	745
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	26,813	1,244	1,251	1,265	1,272	5,537	1,839	1,286	1,294	1,301	1,440	1,448	1,417	47,407
	825-Clearings	-51,596	0	0	0	0	0	-6,365	0	0	0	0	-6,567	0	-64,527
	Clr Sum	-51,596	0	0	0	0	0	-6,365	0	0	0	0	-6,567	0	-64,527
	Proj Net	-24,783	1,244	1,251	1,265	1,272	5,537	-4,526	1,286	1,294	1,301	1,440	-5,119	1,417	-17,121

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	10030610	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	7,812	387	387	387	387	387	387	387	387	387	387	387	387	12,453	
120-Overtime-General	143	0	0	0	0	0	0	0	0	0	0	0	0	143	
350-Material Issues-Major	20,918	578	578	578	578	4,000	1,000	578	578	578	578	578	578	31,693	
370-Outside Services	6,205	0	0	0	0	0	0	0	0	0	0	0	0	6,205	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-26	0	0	0	0	0	0	0	0	0	0	0	0	-26	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	617	30	30	30	30	30	30	30	30	30	30	30	30	981	
914-Pension and Benefits Load	2,251	106	106	106	106	106	106	106	106	106	106	106	106	3,518	
915-Injuries and Damages Load	519	24	24	24	24	24	24	24	24	24	24	24	24	808	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	2,761	100	100	100	100	692	173	100	100	100	100	100	100	4,625	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	4,746	65	65	65	65	295	93	65	65	65	65	65	65	5,781	
928-AFUDC Debt Reg	717	23	7	3	3	8	5	3	3	3	3	3	3	781	
929-AFUDC - Equity Regular	745	20	6	3	2	7	5	3	2	2	2	2	2	803	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	47,407	1,332	1,301	1,295	1,294	5,549	1,823	1,295	1,294	1,294	1,294	1,294	1,294	67,765	
825-Clearings	-64,527	-7,453	-2,532	-1,542	-1,344	-4,708	-2,400	-1,516	-1,338	-1,303	-1,295	-1,294	-1,294	-92,546	
Clr Sum	-64,527	-7,453	-2,532	-1,542	-1,344	-4,708	-2,400	-1,516	-1,338	-1,303	-1,295	-1,294	-1,294	-92,546	
Proj Net	-17,121	-6,121	-1,230	-247	-50	841	-577	-221	-44	-9	-2	0	0	-24,781	

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**Project No: 14000107 Line Extensions - Residential**

Company: 001-Electric Services  
Location: 140 Distribution

Project Information

Construction Start Date                      1/1/2017                      Estimated Completion Date  
List Interim In-Service Dates

Project consists of many individual customer work orders which are placed in service at various times throughout the year.

Project Need Justification

This project provides for the installation cost of electric line extensions for new residential customers, apartment complexes, and residential subdivisions. The project includes the costs of labor for engineering, design, right-of-way acquisition, environmental review, and construction. The costs also include materials for the installation of the overhead or underground distribution extensions. The project is required to meet PNM’s obligation to serve new customers.

Project Alternatives

Line extension options for each new service request are evaluated individually taking into account many factors such as available capacity on existing lines, route distances, customer preferences, and right-of way requirements. The optimal design is chosen and installed.

Technical Aspects

Line extensions are designed to the minimum system requirements in accordance with PNM Rule 15. Physical components include but are not limited to primary wires, secondary wires, wood or steel poles and other supporting structures, trenches, switchgear, and conduit systems. Customers are responsible for these costs less credits they are allowed under PNM's Rule 15 Line Extension Policy approved by the New Mexico Public Regulatory Commission. This project provides for PNM’s portion of the cost of these line extensions. Per Rule 15, customers have the option to have the line extension built by PNM (PNM Built) or by a qualified contractor employed by the customer (Customer Built Option). Under the Customer Built Option, PNM purchases the system from the customer for \$1 and pays the customer for the entitled credits less PNM’s cost to design and energize the system. Many residential subdivision projects are built under the Customer Built Option.

Project Estimate Approach

Customers are responsible for line extension costs less credits they are allowed under PNM's Rule 15. This project provides for PNM’s portion of the cost of these line extensions. Historical spend in this funding project is analyzed to develop this project’s estimated spend. This blanket’s project spend forecast is prepared by escalating the most recent 12-month actual spend (July 2015-June 2016) by the Q2RF expected customer growth provided by PNM Strategic Marketing & Product Mgmt. expressed as the percentage change in number of new customers year-over-year. The typical breakdown of total cost by high level cost categories is as follows: customer built purchases (16%), contract labor (43%), material (19%), PNM labor (18%), and PNM transportation & equipment (3%). This breakdown typically fluctuates for each project depending on the specifics and complexity of the project and whether or customers elect the PNM Built or Customer Built Option.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	14000107	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	169,235			-1,624	813	646	274	287	931	170,562		
120-Overtime-General	2,417			-263	-235	69	177	28	34	2,227		
350-Material Issues-Major	167,907			-8,798	708	795	3,077	1,382	1,538	166,609		
370-Outside Services	200,464			-5,395	329	854	979	215	494	197,940		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	11,873			0	0	0	0	0	0	11,873		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	7,907			-551	212	188	265	92	191	8,304		
805-Land and Land Rights	7			0	0	0	0	0	0	7		
807-Non Refundable Contribution	-779,386			62,365	-3,411	-8,778	-7,899	-736	7,006	-730,839		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	14,435			-149	45	56	35	25	76	14,525		
914-Pension and Benefits Load	55,346			-565	173	214	135	94	289	55,686		
915-Injuries and Damages Load	13,838			-123	38	47	29	21	63	13,912		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	19,130			-978	79	88	342	154	171	18,985		
922-Minor Material Load	10,698			0	0	0	0	0	0	10,698		
925-E and S Loads	116,044			-3,231	385	531	920	397	669	115,714		
926-A and G Loads	40,106			-1,384	152	212	397	167	265	39,916		
928-AFUDC Debt Reg	1			0	0	0	0	0	0	1		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	50,022			39,304	-712	-5,078	-1,268	2,125	11,727	96,121		
825-Clearings	-140,937			-6,226	-4,908	-3,011	-2,198	-2,184	-3,997	-163,461		
Clr Sum	-140,937			-6,226	-4,908	-3,011	-2,198	-2,184	-3,997	-163,461		
Proj Net	-90,914			33,078	-5,620	-8,088	-3,466	-59	7,730	-67,340		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	14000107	Year	2017											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	170,562	709	741	646	893	-2,475	1,961	741	1,507	-138	238	49	503	175,937
120-Overtime-General	2,227	4	4	4	5	-15	12	4	9	-1	1	0	3	2,257
350-Material Issues-Major	166,609	167	174	152	210	-582	461	174	354	-32	56	11	118	167,872
370-Outside Services	197,940	1,501	1,567	1,367	1,891	-5,238	4,149	1,569	3,189	-291	503	103	1,064	209,314
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	11,873	0	0	0	0	0	0	0	0	0	0	0	0	11,873
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	8,304	83	87	76	105	-291	230	87	177	-16	28	6	59	8,935
805-Land and Land Rights	7	1	1	1	1	-2	2	1	1	0	0	0	0	13
807-Non Refundable Contribution	-730,839	-2,825	-2,950	-2,573	-3,559	9,859	-7,810	-2,952	-6,002	548	-946	-194	-2,003	-752,246
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	14,525	56	58	51	70	-195	155	58	119	-11	19	4	40	14,949
914-Pension and Benefits Load	55,686	195	203	177	245	-680	538	203	414	-38	65	13	138	57,161
915-Injuries and Damages Load	13,912	44	46	40	56	-155	123	46	94	-9	15	3	31	14,248
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	18,985	29	30	26	36	-101	80	30	61	-6	10	2	20	19,204
922-Minor Material Load	10,698	0	0	0	0	0	0	0	0	0	0	0	0	10,698
925-E and S Loads	115,714	530	553	483	667	-1,849	1,465	554	1,126	-103	178	36	376	119,728
926-A and G Loads	39,916	166	173	151	209	-578	458	173	352	-32	56	11	117	41,171
928-AFUDC Debt Reg	1	0	0	0	0	0	0	0	0	0	0	0	0	1
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	96,121	659	688	602	830	-2,302	1,823	689	1,401	-128	222	45	467	101,116
825-Clearings	-163,461	-3,186	-2,736	-2,352	-2,078	-1,290	-1,386	-1,260	-1,286	-1,031	-885	-734	-686	-182,371
Clr Sum	-163,461	-3,186	-2,736	-2,352	-2,078	-1,290	-1,386	-1,260	-1,286	-1,031	-885	-734	-686	-182,371
Proj Net	-67,340	-2,527	-2,048	-1,750	-1,248	-3,591	438	-571	115	-1,159	-664	-689	-219	-81,255

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	14000107	Year	2018												
	Cost_Type	BegBai	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oci	Nov	Dec	Total
	110-Straight Time-General	175,937	1,072	1,119	976	1,350	-3,741	2,963	1,120	2,277	-208	359	74	760	184,058
	120-Overtime-General	2,257	6	7	6	8	-22	17	7	13	-1	2	0	4	2,304
	350-Material Issues-Major	167,872	251	262	228	316	-875	693	262	533	-49	84	17	178	169,772
	370-Outside Services	209,314	2,257	2,357	2,056	2,844	-7,877	6,240	2,359	4,795	-438	756	155	1,601	226,419
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	11,873	0	0	0	0	0	0	0	0	0	0	0	0	11,873
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	8,935	125	131	114	158	-437	346	131	266	-24	42	9	89	9,885
	805-Land and Land Rights	13	1	1	1	1	-3	2	1	2	0	0	0	1	20
	807-Non Refundable Contribution	-752,246	-4,248	-4,437	-3,870	-5,352	14,827	-11,746	-4,440	-9,026	825	-1,423	-292	-3,013	-784,441
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	14,949	85	88	77	106	-295	234	88	180	-16	28	6	60	15,589
	914-Pension and Benefits Load	57,161	294	307	268	371	-1,027	813	308	625	-57	99	20	208	59,390
	915-Injuries and Damages Load	14,248	67	70	61	84	-234	185	70	142	-13	22	5	48	14,756
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	19,204	43	45	39	55	-151	120	45	92	-8	15	3	31	19,533
	922-Minor Material Load	10,698	0	0	0	0	0	0	0	0	0	0	0	0	10,698
	925-E and S Loads	119,728	798	834	727	1,006	-2,786	2,206	834	1,696	-155	267	55	566	125,777
	926-A and G Loads	41,171	249	261	227	314	-871	690	261	530	-48	84	17	177	43,061
	928-AFUDC Debt Reg	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	101,116	1,001	1,045	911	1,261	-3,491	2,763	1,046	2,125	-193	335	69	710	108,695
	825-Clearings	-182,371	-743	-797	-818	-897	-107	-585	-668	-930	-728	-657	-551	-580	-190,434
	Clr Sum	-182,371	-743	-797	-818	-897	-107	-585	-668	-930	-728	-657	-551	-580	-190,434
	Proj Net	-81,255	258	248	93	364	-3,599	2,178	378	1,194	-921	-323	-483	130	-81,738

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***Project No: 14000207 Line Extensions - Commercial***

Company: 001-Electric Services

Location: 140 Distribution

**Project Information**

Construction Start Date 1/1/2017

Estimated Completion Date

List Interim In-Service Dates

Project consists of many individual customer work orders which are placed in service at various times throughout the year.

Project Need Justification

This project provides for the installation of distribution line extensions necessary to serve new or expanding non-residential customers. PNM is obligated to perform these projects to provide service to new customers. The costs for this project includes internal labor, external labor, materials, and equipment. Customers are responsible for these costs less credits they are allowed under PNM's Rule 15 Line Extension Policy approved by the NMPRC.

Project Alternatives

This project has no alternatives. However, design/engineering reviews each extension to determine the best manner (required equipment and materials) to perform the work from both cost and system perspectives.

Technical Aspects

Line extensions are designed to the minimum system requirements in accordance with PNM Rule 15. Physical components include but are not limited to primary wires, secondary wires, wood or steel poles and other supporting structures, trenches, switchgear, and duct-bank systems. Customers are responsible for these costs less credits they are allowed under PNM's Rule 15 Line Extension Policy approved by the New Mexico Public Regulatory Commission.

Project Estimate Approach

This project funds PNM's portion of the cost of installing distribution line extensions necessary to serve new or expanding non-residential customers. The project includes the costs of labor for engineering, design, right-of-way acquisition, environmental review, and construction. The costs also include materials for the installation of the overhead or underground distribution extensions. The specific work items for this blanket will not be known until after the customer requests' are received. As a result, the work and the associated costs are unknown until the year of spend. The initial budget for this project was developed by applying escalation factors to the most recent 12-month actual spend (July 2015-June 2016) by the Q2RF expected customer growth provided by PNM Strategic Marketing & Product Mgmt. expressed as the percentage change in number of new customers year-over-year. Additionally, labor and non-labor cost components are escalated using annual expected cost increase percentages as supplied by PNM Budget. The typical breakdown of total cost by high level cost categories is as follows: outside services including contract labor (41%), material (39%), PNM labor (15%), and PNM transportation & equipment (4%). This breakdown fluctuates for each project depending on the specifics and complexity of the project and whether or not PNM or contract construction crews are used and also varies for the entire project from year-to-year depending on the conditions and events that occur during that period.



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	14000207	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	42,410		2,000	2,263	1,354	5,312	1,000	1,000	55,338		
	120-Overtime-General	229		0	0	0	11	0	0	240		
	350-Material Issues-Major	40,152		1,000	704	2,223	3,129	0	-1,546	45,661		
	370-Outside Services	87,808		2,080	600	4,056	352	0	-126	94,770		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	1,749		0	0	0	0	0	0	1,749		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		1	79	93	2,141	17	1	2,332		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-192,977		0	-15,000	0	0	0	3,718	-204,259		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	3,485		157	178	107	419	79	79	4,504		
	914-Pension and Benefits Load	13,574		599	677	405	1,594	299	299	17,448		
	915-Injuries and Damages Load	3,505		130	148	88	347	65	65	4,349		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	4,968		111	78	247	348	0	-172	5,581		
	922-Minor Material Load	2,657		0	0	0	0	0	0	2,657		
	925-E and S Loads	32,159		1,104	860	1,540	2,461	270	-42	38,353		
	926-A and G Loads	13,567		423	303	643	911	85	-56	15,875		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	53,285		7,606	-9,110	10,757	17,024	1,815	3,220	84,596		
	825-Clearings	-70,301		-1,956	921	-2,115	-5,991	-4,906	-4,467	-88,815		
	Clr Sum	-70,301		-1,956	921	-2,115	-5,991	-4,906	-4,467	-88,815		
	Proj Net	-17,016		5,650	-8,189	8,642	11,033	-3,091	-1,247	-4,219		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	14000207	Year	2017											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	55,338	3,700	3,379	1,044	1,117	2,663	4,828	1,000	2,335	1,397	5,482	1,000	1,000	84,283
120-Overtime-General	240	0	0	0	0	35	0	0	0	0	12	0	0	287
350-Material Issues-Major	45,661	0	754	1,073	2,254	1,000	1,935	1,000	100	2,276	3,204	0	-1,583	57,674
370-Outside Services	94,770	0	198	0	2,691	1,500	5,321	2,136	0	4,166	1,500	0	-130	112,153
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	1,749	0	0	0	45	0	0	0	0	0	0	0	0	1,794
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	2,332	162	133	323	42	994	832	1	81	96	2,199	17	1	7,214
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-204,259	0	-10,676	0	-40,000	-9,092	-9,000	0	-15,000	0	0	0	3,818	-284,209
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	4,504	290	265	82	88	212	379	78	183	110	431	78	78	6,777
914-Pension and Benefits Load	17,448	1,010	922	285	305	736	1,318	273	637	381	1,499	273	273	25,359
915-Injuries and Damages Load	4,349	230	210	65	69	168	300	62	145	87	342	62	62	6,152
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	5,581	0	130	186	390	173	335	173	17	394	554	0	-274	7,659
922-Minor Material Load	2,657	0	0	0	0	0	0	0	0	0	0	0	0	2,657
925-E and S Loads	38,353	1,035	1,125	551	1,269	1,403	2,863	874	668	1,634	2,816	275	-57	52,811
926-A and G Loads	15,875	260	300	164	413	416	868	278	169	533	833	68	-48	20,130
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	84,596	6,687	-3,258	3,773	-31,316	208	9,979	5,875	-10,664	11,074	18,871	1,774	3,141	100,739
825-Clearings	-88,815	-5,432	-2,999	-3,216	6,453	4,588	509	-1,278	2,065	-1,614	-6,446	-5,137	-4,578	-105,900
Clr Sum	-88,815	-5,432	-2,999	-3,216	6,453	4,588	509	-1,278	2,065	-1,614	-6,446	-5,137	-4,578	-105,900
Proj Net	-4,219	1,254	-6,257	557	-24,863	4,796	10,488	4,597	-8,598	9,460	12,425	-3,364	-1,438	-5,160

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	14000207	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	84,283	3,818	3,487	1,077	1,152	2,748	4,982	2,007	2,409	1,462	5,570	0	-116	112,881
120-Overtime-General	287	0	0	0	0	36	0	0	0	0	12	0	0	335
350-Material Issues-Major	57,674	0	770	1,097	2,303	1,000	1,976	1,000	250	2,326	3,274	0	-1,618	70,051
370-Outside Services	112,153	0	203	0	2,763	1,000	5,463	2,193	1,500	4,278	371	0	-133	129,792
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	1,794	0	0	0	46	0	0	0	0	0	0	0	0	1,840
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	7,214	167	137	332	43	1,020	855	1	83	98	2,258	18	1	12,227
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-284,209	0	-10,962	0	-40,000	-9,336	-9,000	0	-15,000	0	0	0	3,921	-364,587
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	6,777	299	273	84	90	218	391	157	189	115	438	0	-9	9,023
914-Pension and Benefits Load	25,359	1,042	952	294	314	760	1,360	548	658	399	1,523	0	-32	33,177
915-Injuries and Damages Load	6,152	237	217	67	72	173	310	125	150	91	347	0	-7	7,934
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	7,659	0	133	190	398	173	342	173	43	402	566	0	-280	9,800
922-Minor Material Load	2,657	0	0	0	0	0	0	0	0	0	0	0	0	2,657
925-E and S Loads	52,811	1,068	1,160	567	1,303	1,336	2,945	1,158	1,006	1,683	2,648	3	-367	67,320
926-A and G Loads	20,130	268	309	168	424	390	892	350	285	549	772	1	-125	24,412
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	100,739	6,899	-3,321	3,876	-31,090	-482	10,515	7,712	-8,427	11,403	17,779	22	1,234	116,861
825-Clearings	-105,900	-5,228	-2,835	-3,126	6,454	4,782	499	-1,800	1,063	-2,427	-6,726	-4,849	-3,837	-123,928
Clr Sum	-105,900	-5,228	-2,835	-3,126	6,454	4,782	499	-1,800	1,063	-2,427	-6,726	-4,849	-3,837	-123,928
Proj Net	-5,160	1,671	-6,155	750	-24,635	4,300	11,014	5,912	-7,364	8,976	11,053	-4,826	-2,602	-7,068

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***Project No: 14001207 Pole Replacement***

Company: 001-Electric Services  
Location: 140 Distribution

Project Information

Construction Start Date 1/1/2017 Estimated Completion Date

List Interim In-Service Dates

Project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

The NMPRC mandates that PNM keep its electric infrastructure in good repair and safe for customers and employees. Compromised integrity of wooden pole structures can impact reliability of service as well as public safety and the safety of PNM employees who may need to climb poles for maintenance. PNM regularly performs ground line tests on its distribution wood pole infrastructure to ensure the integrity of PNM's distribution system. Wood poles that fail the tests are replaced or reinforced based on the testing results. This project covers the labor and material costs associated with the testing and repairing/replacing defective poles.

Project Alternatives

The alternatives to pole replacement include structurally reinforcing the pole, fumigating the pole and surrounding area, or applying an internal void treatment. The testing of each pole determines the condition of the pole and identifies the action that will be taken (i.e., repairing the pole or replacing the pole).

Technical Aspects

This project includes pole replacement, pole reinforcement, and fumigation. This capital blanket assures that the distribution wood pole infrastructure is replaced or reinforced based on ground line testing results. Poles will undergo a series of tests including visual, sounding, and borehole inspections to determine the condition of the pole and the requisite course of action.

Project Estimate Approach

The budget for this blanket is estimated by applying escalation factors to historical spend data. The initial budget for this project was developed by applying labor and non-labor cost escalation factors to the most recent 12-month actual spend (July 2015-June 2016). The typical breakdown of cost by categories is as follows1) Outside services (80%)2) Company labor (6%)3) Materials (12%)4) Company transportation (2%)It should be noted that this breakdown can fluctuate depending on the use of PNM line crews or contract crews for the work, the actual percentage of poles that need replacement vs. reinforcement, and the types and configuration of the poles requiring work. Poles that support four or more wires are more costly to work than are poles supporting only two wires. Similarly, angle or corner poles are more expensive to replace than are in-line tangent poles. Lastly, the location of the poles and access to the poles (i.e., on road sides, in backyards, etc.) can also affects costs.

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	14001207	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	21,266			0	0	0	0	0	0	21,266		
120-Overtime-General	15,287			0	0	0	0	0	0	15,287		
350-Material Issues-Major	18,950			0	0	0	0	0	0	18,950		
370-Outside Services	47,269			0	0	0	0	0	0	47,269		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-14	-14	-14	-43		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	2,998			0	0	0	0	0	0	2,998		
914-Pension and Benefits Load	11,451			0	0	0	0	0	0	11,451		
915-Injuries and Damages Load	3,109			0	0	0	0	0	0	3,109		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	1,971			0	0	0	0	0	0	1,971		
922-Minor Material Load	1,187			0	0	0	0	0	0	1,187		
925-E and S Loads	11,276			0	0	0	0	0	0	11,276		
926-A and G Loads	8,076			0	0	0	0	0	0	8,076		
928-AFUDC Debt Reg	655			7	7	7	7	7	7	696		
929-AFUDC - Equity Regular	700			7	7	7	7	7	7	745		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	144,196			14	14	14	0	0	0	144,239		
825-Clearings	-169,014			0	0	0	0	0	0	-169,014		
Clr Sum	-169,014			0	0	0	0	0	0	-169,014		
Proj Net	-24,818			14	14	14	0	0	0	-24,776		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	14001207	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	21,266	67	59	12	2	27	1	0	0	1	289	173	22	21,919	
120-Overtime-General	15,287	3	3	1	0	1	0	0	0	0	14	8	1	15,318	
350-Material Issues-Major	18,950	243	213	42	8	98	3	1	1	3	1,047	627	80	21,316	
370-Outside Services	47,269	1,085	952	188	34	436	13	4	4	14	4,680	2,800	359	57,838	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	66	6	1	0	3	0	0	0	0	27	16	2	121	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	17	15	3	1	7	0	0	0	0	71	43	5	162	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-43	-18	-18	0	0	0	0	0	0	0	0	0	0	-79	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	2,998	6	5	1	0	2	0	0	0	0	24	14	2	3,052	
914-Pension and Benefits Load	11,451	19	17	3	1	8	0	0	0	0	83	49	6	11,638	
915-Injuries and Damages Load	3,109	4	4	1	0	2	0	0	0	0	19	11	1	3,151	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	1,971	42	37	7	1	17	1	0	0	1	181	108	14	2,380	
922-Minor Material Load	1,187	0	0	0	0	0	0	0	0	0	0	0	0	1,187	
925-E and S Loads	11,276	290	244	48	9	112	3	1	1	4	1,201	718	92	14,000	
926-A and G Loads	8,076	99	84	17	3	38	1	0	0	1	412	246	32	9,011	
928-AFUDC Debt Reg	696	10	13	13	12	11	10	8	7	6	16	28	30	861	
929-AFUDC - Equity Regular	745	14	17	17	15	14	13	11	9	8	21	37	39	961	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	144,239	1,947	1,650	354	85	776	45	27	24	39	8,085	4,881	687	162,837	
825-Clearings	-169,014	-797	-934	-841	-720	-729	-619	-525	-444	-380	-1,612	-2,135	-1,904	-180,654	
Clr Sum	-169,014	-797	-934	-841	-720	-729	-619	-525	-444	-380	-1,612	-2,135	-1,904	-180,654	
Proj Net	-24,776	1,149	716	-487	-635	47	-574	-498	-421	-340	6,473	2,745	-1,217	-17,817	

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	14001207	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	21,919	67	59	12	2	27	1	0	0	1	289	173	22	22,573	
120-Overtime-General	15,318	3	3	1	0	1	0	0	0	0	14	8	1	15,349	
350-Material Issues-Major	21,316	243	213	42	8	98	3	1	1	3	1,047	627	80	23,682	
370-Outside Services	57,838	1,085	952	188	34	436	13	4	4	14	4,680	2,800	359	68,408	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	121	66	6	1	0	3	0	0	0	0	27	16	2	243	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	162	17	15	3	1	7	0	0	0	0	71	43	5	323	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-79	0	0	0	0	0	0	0	0	0	0	0	0	-79	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	3,052	6	5	1	0	2	0	0	0	0	24	14	2	3,106	
914-Pension and Benefits Load	11,638	19	17	3	1	8	0	0	0	0	83	49	6	11,825	
915-Injuries and Damages Load	3,151	4	4	1	0	2	0	0	0	0	19	11	1	3,194	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	2,380	42	37	7	1	17	1	0	0	1	181	108	14	2,789	
922-Minor Material Load	1,187	0	0	0	0	0	0	0	0	0	0	0	0	1,187	
925-E and S Loads	14,000	290	244	48	9	112	3	1	1	4	1,201	718	92	16,724	
926-A and G Loads	9,011	99	84	17	3	38	1	0	0	1	412	246	32	9,945	
928-AFUDC Debt Reg	861	29	28	26	23	20	18	15	13	11	20	32	33	1,128	
929-AFUDC - Equity Regular	961	26	26	24	20	18	16	14	11	10	18	29	30	1,201	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	162,837	1,995	1,692	373	101	789	56	36	31	46	8,086	4,876	680	181,597	
825-Clearings	-180,654	-1,918	-1,882	-1,641	-1,394	-1,298	-1,099	-929	-785	-667	-1,854	-2,337	-2,072	-198,530	
Clr Sum	-180,654	-1,918	-1,882	-1,641	-1,394	-1,298	-1,099	-929	-785	-667	-1,854	-2,337	-2,072	-198,530	
Proj Net	-17,817	77	-190	-1,267	-1,293	-509	-1,043	-893	-754	-621	6,232	2,538	-1,392	-16,932	

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***Project No: 14001307 Cable Replacement***

Company: 001-Electric Services  
Location: 140 Distribution

Project Information

<u>Construction Start Date</u>	1/1/2017	<u>Estimated Completion Date</u>
<u>List Interim In-Service Dates</u>		

This project consists of multiple individual work orders which are placed in service at various times throughout the year.

Project Need Justification

This project provides for the emergent replacement of failing underground distribution cable. Emergent cable replacements address those cables which experience insulation failures causing multiple outages over a short period of time, impacting a large number of customers. Approximately 54% of the distribution is built as underground construction. Underground cable has a life expectancy of 30-40 years. The risk of not replacing aging and failing cable includes more frequent and extended power outages which adversely affect reliability and customer satisfaction.

Project Alternatives

An alternative to replacing failing cable is to inject a substance to improve the integrity of insulation materials and extend the life of the cable. This technique has shortcomings as it does not address potential problems with cable splices made during installation or the ends of cable where terminating equipment is installed. Cable testing is another alternative, providing predictive identification of cable failures before they occur, specifically targeting the replacement of cable segments. However, testing will not detect all cables that need replacement due to extensive corrosion or too many past failures, which have caused degradation to insulation of cable. In either of those cases, replacement is the better option without the need to perform cable testing first.

Technical Aspects

Cable is replaced either by pulling the cable from existing conduit and replacing it with new cable or, in the case of direct buried cable, by installing new conduit using directional boring equipment and pulling cable in the newly installed conduit. In some cases the new cable is installed along new routes to reduce the difficulty of the installation and/or future maintenance issues.

Project Estimate Approach



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	14001307	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	21,503		0	0	0	0	0	0	21,503		
	120-Overtime-General	105		0	0	0	0	0	0	105		
	350-Material Issues-Major	21,193		0	0	0	0	0	0	21,193		
	370-Outside Services	337,350		0	0	0	0	0	0	337,350		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	1,879		0	0	0	0	0	0	1,879		
	914-Pension and Benefits Load	7,153		0	0	0	0	0	0	7,153		
	915-Injuries and Damages Load	1,946		0	0	0	0	0	0	1,946		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	10,752		0	0	0	0	0	0	10,752		
	922-Minor Material Load	2,084		0	0	0	0	0	0	2,084		
	925-E and S Loads	76,168		0	0	0	0	0	0	76,168		
	926-A and G Loads	30,536		0	0	0	0	0	0	30,536		
	928-AFUDC Debt Reg	8,136		0	0	0	0	0	0	8,136		
	929-AFUDC - Equity Regular	8,498		0	0	0	0	0	0	8,498		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	527,302		0	0	0	0	0	0	527,302		
	825-Clearings	-540,261		0	0	0	0	0	0	-540,261		
	Clr Sum	-540,261		0	0	0	0	0	0	-540,261		
Proj Net		-12,959		0	0	0	0	0	0	-12,959		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	14001307	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	21,503	56	16	5	1	9	174	393	285	73	20	15	0	22,550	
120-Overtime-General	105	0	0	0	0	0	0	0	0	0	0	0	0	105	
350-Material Issues-Major	21,193	58	17	5	1	10	183	413	299	77	21	16	0	22,293	
370-Outside Services	337,350	214	61	19	5	35	669	1,510	1,094	280	77	59	1	341,374	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	2	0	0	0	0	5	12	9	2	1	0	0	31	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	1,879	4	1	0	0	1	14	31	22	6	2	1	0	1,961	
914-Pension and Benefits Load	7,153	15	4	1	0	2	47	107	78	20	5	4	0	7,438	
915-Injuries and Damages Load	1,946	3	1	0	0	1	11	24	18	5	1	1	0	2,011	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	10,752	10	3	1	0	2	32	71	52	13	4	3	0	10,942	
922-Minor Material Load	2,084	0	0	0	0	0	0	0	0	0	0	0	0	2,084	
925-E and S Loads	76,168	68	19	6	1	11	212	478	347	89	24	18	0	77,442	
926-A and G Loads	30,536	22	6	2	0	4	69	156	113	29	8	6	0	30,952	
928-AFUDC Debt Reg	8,136	1	1	1	1	1	2	7	11	10	8	6	4	8,186	
929-AFUDC - Equity Regular	8,498	1	1	1	1	1	3	9	14	13	10	7	5	8,564	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	527,302	455	131	42	11	75	1,421	3,213	2,341	617	181	136	10	535,935	
825-Clearings	-540,261	-145	-141	-109	-78	-77	-507	-1,373	-1,683	-1,342	-970	-703	-482	-547,871	
Clr Sum	-540,261	-145	-141	-109	-78	-77	-507	-1,373	-1,683	-1,342	-970	-703	-482	-547,871	
Proj Net	-12,959	309	-10	-67	-67	-2	914	1,840	658	-725	-789	-567	-471	-11,936	

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	14001307	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	22,550	56	16	5	1	9	174	393	285	73	20	15	0	23,597	
120-Overtime-General	105	0	0	0	0	0	0	0	0	0	0	0	0	105	
350-Material Issues-Major	22,293	58	17	5	1	10	183	413	299	77	21	16	0	23,393	
370-Outside Services	341,374	214	61	19	5	35	669	1,510	1,094	280	77	59	1	345,398	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	31	2	0	0	0	0	5	12	9	2	1	0	0	62	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	1,961	4	1	0	0	1	14	31	22	6	2	1	0	2,043	
914-Pension and Benefits Load	7,438	15	4	1	0	2	47	107	78	20	5	4	0	7,724	
915-Injuries and Damages Load	2,011	3	1	0	0	1	11	24	18	5	1	1	0	2,077	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	10,942	10	3	1	0	2	32	71	52	13	4	3	0	11,132	
922-Minor Material Load	2,084	0	0	0	0	0	0	0	0	0	0	0	0	2,084	
925-E and S Loads	77,442	68	19	6	1	11	212	478	347	89	24	18	0	78,716	
926-A and G Loads	30,952	22	6	2	0	4	69	156	113	29	8	6	0	31,369	
928-AFUDC Debt Reg	8,186	3	3	2	1	1	3	7	11	10	8	6	4	8,245	
929-AFUDC - Equity Regular	8,564	3	3	2	1	1	2	7	10	9	7	5	4	8,617	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	535,935	459	135	44	12	76	1,421	3,210	2,337	613	178	134	9	544,563	
825-Clearings	-547,871	-474	-366	-263	-183	-149	-556	-1,405	-1,703	-1,354	-978	-708	-484	-556,493	
Clr Sum	-547,871	-474	-366	-263	-183	-149	-556	-1,405	-1,703	-1,354	-978	-708	-484	-556,493	
Proj Net	-11,936	-15	-231	-219	-170	-72	865	1,805	634	-742	-800	-574	-475	-11,931	

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**Project No: 15030510 Communications (CO 34) 2010**

Company: 034-PNM TNMPNM Distribution  
Location: 150 Distribution

Project Information

Construction Start Date 1/1/2012 Estimated Completion Date

List Interim In-Service Dates

Each WO is closed as completed, with an estimated 4 clearings per year.

Project Need Justification

This project involves the replacement or upgrade of ageing or obsolete communications equipment on PNM's electric distribution system in Southern New Mexico. These projects are typically small projects that would require little or no engineering support. Some examples include replacing or upgrading SCADA (Supervisory Control And Data Acquisition) Remote Terminal Units or radios, upgrading SCADA switch controllers and related equipment, replacing or upgrading microwave radio equipment, upgrading or replacing remote site air conditioning units that are needed to keep the equipment for overheating, upgrading remote site generators, replacing or upgrading communications site batteries, and upgrading communications system monitoring at remote sites. This project covers upgrades and system replacements for both the distribution system and the transmission system in Southern New Mexico. The funds cover material costs, and the related labor costs to replace and or upgrade obsolete or failed equipment.

Project Alternatives

The alternative to providing discretionary funding for small projects would be to have all system equipment upgrades and replacement of obsolete equipment, regardless of scope, go through the same process for all of the capital projects, which would dramatically reduce the ability to address critical upgrades and replacement of failed or obsolete communication equipment. All small projects are evaluated at the project level, with all potential alternatives considered.

Technical Aspects

The technical aspects of this project involve subject matter expert (supervisor) identifying critical communications equipment in the southern part of the state that is in need of replacement or upgrade due to obsolescence/damage. Then ordering the material and coordinating the work to upgrade or repair of the component. The technical aspects of these projects vary depending upon need, but cover the range of work described in the justification section above.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15030510	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	4,250	0	0	4,250	8,500		
370-Outside Services	0			1,381	1,381	1,381	1,381	1,381	1,381	8,286		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-39	-39	-28	-106		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	653	0	0	653	1,306		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			115	115	468	115	115	468	1,397		
928-AFUDC Debt Reg	0			2	5	9	19	22	14	70		
929-AFUDC - Equity Regular	0			2	5	10	20	24	15	76		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			1,499	1,506	6,772	1,496	1,503	6,753	19,529		
825-Clearings	0			0	-2,254	0	0	-7,892	0	-10,146		
Clr Sum	0			0	-2,254	0	0	-7,892	0	-10,146		
Proj Net	0			1,499	-748	6,772	1,496	-6,389	6,753	9,383		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15030510	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	8,500	0	0	4,250	0	0	4,250	0	0	4,250	0	0	4,250	25,500	
370-Outside Services	8,286	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	24,858	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-106	-36	-21	0	0	0	0	0	0	0	0	0	0	-163	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	1,306	0	0	735	0	0	735	0	0	735	0	0	735	4,247	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	1,397	93	93	378	93	93	378	93	93	378	93	93	378	3,653	
928-AFUDC Debt Reg	70	26	9	20	31	10	21	32	36	18	29	33	18	352	
929-AFUDC - Equity Regular	76	35	12	26	40	13	27	42	47	24	38	43	23	446	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	19,529	1,498	1,474	6,790	1,544	1,497	6,793	1,547	1,556	6,787	1,541	1,550	6,785	58,893	
825-Clearings	-10,146	-8,161	0	0	-9,397	0	0	0	-10,894	0	0	-10,132	0	-48,730	
Clr Sum	-10,146	-8,161	0	0	-9,397	0	0	0	-10,894	0	0	-10,132	0	-48,730	
Proj Net	9,383	-6,663	1,474	6,790	-7,852	1,497	6,793	1,547	-9,338	6,787	1,541	-8,582	6,785	10,163	

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15030510	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	25,500	0	0	4,250	0	0	4,250	0	0	4,250	0	0	4,250	42,500	
370-Outside Services	24,858	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	1,381	41,430	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-163	0	0	0	0	0	0	0	0	0	0	0	0	-163	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	4,247	0	0	735	0	0	735	0	0	735	0	0	735	7,188	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	3,653	93	93	378	93	93	378	93	93	378	93	93	378	5,909	
928-AFUDC Debt Reg	352	28	10	20	31	10	21	32	36	18	29	33	18	639	
929-AFUDC - Equity Regular	446	26	9	18	28	9	19	29	32	16	26	30	16	704	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	58,893	1,528	1,492	6,783	1,533	1,493	6,785	1,534	1,542	6,779	1,529	1,537	6,778	98,207	
825-Clearings	-48,730	-8,768	0	0	-9,548	0	0	0	-10,903	0	0	-10,110	0	-88,059	
Clr Sum	-48,730	-8,768	0	0	-9,548	0	0	0	-10,903	0	0	-10,110	0	-88,059	
Proj Net	10,163	-7,240	1,492	6,783	-8,015	1,493	6,785	1,534	-9,361	6,779	1,529	-8,573	6,778	10,148	

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**Project No: 15101207 Pole Replacement**

Company: 034-PNM TNMPNM Distribution  
Location: 151 Distribution

Project Information

Construction Start Date                      3/1/2016                      Estimated Completion Date                      N/A

List Interim In-Service Dates

Project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

New Mexico Public Regulatory Commission regulations state that PNM shall keep the electric infrastructure in good repair based on industry standards. This capital blanket assures that the distribution wood pole infrastructure is replaced or reinforced based on ground line testing results. It also improves safety for the field crews that climb the poles by systematically testing poles and replacing or repairing defective poles. The New Mexico Public Regulatory Commission regulations state that PNM shall keep electric infrastructure in good repair based on industry standards. To comply with the regulations, PNM performs ground line tests on its distribution wood pole infrastructure to ensure that they are kept in good repair. This project is necessary to ensure the integrity of wood poles in PNM’s distribution system. Wood poles are support structures for overhead wires, transformers, and other equipment. Compromised integrity of these structures can affect reliability of service as well as public safety and the safety of PNM employees who may need to climb poles for maintenance and new service reasons. Furthermore, New Mexico Public Regulatory Commission Rule 17.9.560 requires PNM to determine the necessity for replacement and repairs and to exercise reasonable care to protect our employees and our customers. Distribution wood poles that fail the testing are replaced or reinforced based on the testing results. This project covers the labor and material costs associated with the testing, replacement and repair of defective poles. Project

Alternatives

The testing of each pole determines the appropriate alternative for fixing the defective pole. The alternatives include replacing the pole or reinforcing the pole and fumigating it. The “do nothing” alternative is not an option as the distribution system must be kept in good repair.

Technical Aspects

This project includes pole replacement, pole reinforcement, and fumigation. This project assures that the wood pole infrastructure is replaced or reinforced based upon ground line testing results. Poles are given a series of tests including visual, sounding, and bore hole inspections to determine the condition of the pole and the requisite treatment or replacement. Poles are inspected with a targeted cycle of inspection of each pole approximately every twenty-five years.

Project Estimate Approach



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15101207	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	0	0	0	0		
825-Clearings	0			0	0	0	0	0	0	0		
Clr Sum	0			0	0	0	0	0	0	0		
Proj Net	0			0	0	0	0	0	0	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15101207	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
825-Clearings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Clr Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15101207	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
825-Clearings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Clr Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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***Project No: 15101307 Cable Replacement***

Company: 034-PNM TNMPNM Distribution  
Location: 151 Distribution

Project Information

Construction Start Date 1/1/2016 Estimated Completion Date

List Interim In-Service Dates

This project consists of multiple individual work orders which are placed in service at various times throughout the year.

Project Need Justification

This project involves the replacement of aging and failing underground distribution cable as it is identified. Underground cable has a life expectancy of 30-40 years. Older cable is more vulnerable to experience insulation failures which, if not replaced, increase the risk of more frequent and extended power outages which adversely affect reliability and customer satisfaction. The primary costs for this project include engineering, project coordination, cable and conduits, and contractor costs for boring and excavation.

Project Alternatives

One alternative to replacing the failing cable is to inject a substance to improve the integrity of insulation materials to extend the life of the cable. However, this technique has short comings as it does address potential problems with cable splices made during installation or the ends of cable where terminating equipment is installed. Cable testing is another alternative, providing predictive identification of cable failures before they occur, specifically targeting the replacement of cable segments. However, not all cables are good candidates for testing, due to extensive corrosion of neutral or if past failures have caused degradation to insulation of cable. In either of those cases replacement would be the better option.

Technical Aspects

The aged cable is either replaced by pulling it from the existing conduit and replacing it with new cable or by boring in new cable using direction boring equipment. In some cases the new cable is installed along new routes to make the installation and/or future maintenance easier.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15101307	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	0	0	0	0		
825-Clearings	0			0	0	0	0	0	0	0		
Clr Sum	0			0	0	0	0	0	0	0		
Proj Net	0			0	0	0	0	0	0	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15101307	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	0	0	0	0	0	1,000	0	1,000	0	1,000	0	0	3,000	
120-Overtime-General	0	0	0	0	0	0	0	500	0	500	0	0	0	1,000	
350-Material Issues-Major	0	0	0	0	0	0	1,000	0	1,000	0	1,000	0	0	3,000	
370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	0	0	0	0	0	78	39	78	39	78	0	0	314	
914-Pension and Benefits Load	0	0	0	0	0	0	273	136	273	136	273	0	0	1,092	
915-Injuries and Damages Load	0	0	0	0	0	0	62	31	62	31	62	0	0	249	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	0	0	0	0	0	0	173	0	173	0	173	0	0	519	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	463	136	463	136	463	0	0	1,662	
926-A and G Loads	0	0	0	0	0	0	134	34	134	34	134	0	0	470	
928-AFUDC Debt Reg	0	0	0	0	0	0	4	8	11	13	15	15	11	76	
929-AFUDC - Equity Regular	0	0	0	0	0	0	5	10	14	17	20	19	15	100	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	0	0	0	0	0	0	3,194	894	3,209	906	3,219	34	26	11,482	
825-Clearings	0	0	0	0	0	0	-735	-771	-1,332	-1,234	-1,690	-1,309	-1,014	-8,086	
Clr Sum	0	0	0	0	0	0	-735	-771	-1,332	-1,234	-1,690	-1,309	-1,014	-8,086	
Proj Net	0	0	0	0	0	0	2,459	122	1,877	-328	1,528	-1,275	-988	3,396	

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15101307	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	3,000	0	0	0	0	0	0	0	0	0	0	0	0	3,000
	120-Overtime-General	1,000	0	0	0	0	0	0	0	0	0	0	0	0	1,000
	350-Material Issues-Major	3,000	0	0	0	0	0	0	0	0	0	0	0	0	3,000
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	314	0	0	0	0	0	0	0	0	0	0	0	0	314
	914-Pension and Benefits Load	1,092	0	0	0	0	0	0	0	0	0	0	0	0	1,092
	915-Injuries and Damages Load	249	0	0	0	0	0	0	0	0	0	0	0	0	249
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	519	0	0	0	0	0	0	0	0	0	0	0	0	519
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	1,662	0	0	0	0	0	0	0	0	0	0	0	0	1,662
	926-A and G Loads	470	0	0	0	0	0	0	0	0	0	0	0	0	470
	928-AFUDC Debt Reg	76	9	9	0	0	0	0	0	0	0	0	0	0	94
	929-AFUDC - Equity Regular	100	8	8	0	0	0	0	0	0	0	0	0	0	116
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	11,482	17	17	0	0	0	0	0	0	0	0	0	0	11,515
	825-Clearings	-8,086	0	-3,430	0	0	0	0	0	0	0	0	0	0	-11,515
	Clr Sum	-8,086	0	-3,430	0	0	0	0	0	0	0	0	0	0	-11,515
	Proj Net	3,396	17	-3,413	0	0	0	0	0	0	0	0	0	0	0

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**Project No: 15134007 Tools & Equipment**

Company: 034-PNM TNMPNM Distribution  
Location: 151 Distribution

Project Information

Construction Start Date 1/1/2015 Estimated Completion Date

List Interim In-Service Dates

Project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

This project involves purchasing tools and equipment that are used to maintain both distribution and transmission power lines. The new tools and equipment enables PNM employees to improve its productivity or ensure the safety of its employees while performing work to maintain power lines. The new tools and equipment replace defective tools and equipment or are required to maintain power lines.

Project Alternatives

There are two alternatives to this project: 1) do not purchase the tools and equipment or 2) purchase the tools and equipment. Given that transmission and distribution power lines must be maintained to ensure the reliability of the system and electric service to PNM customers, the purchase of the new tools and equipment is required. The purchase of the tools and equipment is evaluated so that it is completed in a timely manner when they are needed.

Technical Aspects

The project involves the purchase of items including but not limited to magnetic drill presses, hydraulic paving breaker, Streamline Robo crimp, cordless phasing sets, cable cutters, drum cables, augers for digger trucks, core barrels, etc.

Project Estimate Approach



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15134007	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	3,800	0	0	3,650	0	7,450		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-18	-13	-13	-43		
426-Capitalized Interest	0			-2	8	18	18	13	23	77		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	584	0	0	561	0	1,145		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	316	0	0	304	0	620		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			-2	4,709	18	0	4,515	10	9,248		
825-Clearings	0			0	0	0	-3,402	0	-5,375	-8,777		
Clr Sum	0			0	0	0	-3,402	0	-5,375	-8,777		
Proj Net	0			-2	4,709	18	-3,402	4,515	-5,365	472		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15134007	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	7,450	0	3,000	0	0	3,000	0	0	3,000	0	0	3,000	0	19,450	
370-Outside Services	0	0	0	0	0	0	0	0	327	0	0	0	0	327	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-43	0	0	0	0	0	0	0	0	0	0	0	0	-43	
426-Capitalized Interest	77	0	7	16	16	24	31	6	15	23	24	12	21	273	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	1,145	0	519	0	0	519	0	0	519	0	0	519	0	3,221	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	620	0	202	0	0	202	0	0	224	0	0	202	0	1,448	
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	9,248	0	3,728	16	16	3,745	31	6	4,085	23	24	3,733	21	24,676	
825-Clearings	-8,777	0	0	0	0	0	-6,028	0	0	0	-4,516	0	-4,883	-24,204	
Clr Sum	-8,777	0	0	0	0	0	-6,028	0	0	0	-4,516	0	-4,883	-24,204	
Proj Net	472	0	3,728	16	16	3,745	-5,997	6	4,085	23	-4,492	3,733	-4,862	472	

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15134007	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350-Material Issues-Major	19,450	0	3,000	0	0	3,000	0	0	3,000	0	0	3,000	0	31,450
370-Outside Services	327	0	0	0	0	0	0	0	0	0	0	315	0	642
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
829-Construction Adjustment	-43	0	0	0	0	0	0	0	0	0	0	0	0	-43
426-Capitalized Interest	273	0	7	16	16	23	27	6	12	18	19	11	18	446
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	3,221	0	519	0	0	519	0	0	519	0	0	519	0	5,297
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
926-A and G Loads	1,448	0	202	0	0	202	0	0	202	0	0	223	0	2,276
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	24,676	0	3,728	16	16	3,743	27	6	3,733	18	19	4,067	18	40,068
825-Clearings	-24,204	0	0	0	0	0	-6,024	0	0	0	-4,225	0	-5,142	-39,596
Clr Sum	-24,204	0	0	0	0	0	-6,024	0	0	0	-4,225	0	-5,142	-39,596
Proj Net	472	0	3,728	16	16	3,743	-5,997	6	3,733	18	-4,206	4,067	-5,124	472

***Project No: 15200107 Line Extension - Residential***

Company: 034-PNM TNMPNM Distribution  
Location: 152 Distribution

Project Information

Construction Start Date                      1/1/2017                      Estimated Completion Date

List Interim In-Service Dates

Project consists of many individual customer work orders which are placed in service at various times throughout the year.

Project Need Justification

This project is for the installation of residential line extensions for new residential customers, apartment complexes, and residential subdivisions. PNM is required to complete this work per its obligation to serve. The project funding covers the labor, materials and right-of-way acquisition for both overhead and underground extensions. Customers are responsible for these costs less credits they are allowed under PNM’s Rule 15 Line Extension Policy approved by the New Mexico Public Regulatory Commission. This project provides for PNM’s portion of the cost of these line extensions.

Project Alternatives

There are no alternatives to conducting this work. However, each line extension goes through a design process to ensure that it is designed to the minimum technical standards according to PNM Rule 15. Typically, the best option is a balance of cost, timing, and efficacy

Technical Aspects

The project costs related to labor include engineering, design, right-of-way acquisition, environmental and construction in the Ruidoso NM service territory. Physical components include, but are not limited to, primary wires, secondary wires, wood or steel poles and other supporting structures , trenches, switchgear, and conduit systems.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15200107	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			1,226	2,171	1,076	1,112	1,040	972	7,597		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			1,560	2,123	1,380	1,474	1,956	423	8,916		
370-Outside Services	0			0	0	0	164	0	0	164		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			938	400	347	384	680	416	3,164		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			-2,713	-3,236	-392	-7,757	-1,290	-2,807	-18,195		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			96	171	85	87	82	76	598		
914-Pension and Benefits Load	0			367	650	322	333	311	291	2,274		
915-Injuries and Damages Load	0			80	142	70	72	68	63	495		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			240	326	212	226	301	65	1,370		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			789	1,046	607	671	765	415	4,294		
926-A and G Loads	0			310	391	233	261	306	151	1,651		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			2,892	4,184	3,940	-2,973	4,220	65	12,328		
825-Clearings	0			-392	-1,999	-5,316	-656	-2,185	-1,704	-12,251		
Clr Sum	0			-392	-1,999	-5,316	-656	-2,185	-1,704	-12,251		
Proj Net	0			2,501	2,185	-1,376	-3,629	2,034	-1,639	77		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15200107	Year	2017											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	7,597	1,222	192	-195	-58	3,662	1,348	1,660	-643	921	1,750	1,357	129	18,941
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350-Material Issues-Major	8,916	472	74	-75	-23	1,414	521	641	-248	356	874	524	50	13,496
370-Outside Services	164	17	3	-3	-1	51	19	23	-9	13	31	19	2	328
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	3,164	396	62	-63	-19	1,187	437	538	-208	299	734	440	42	7,008
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-18,195	-1,012	-159	162	48	-3,032	-1,116	-1,374	532	-763	-1,874	-1,123	-107	-28,012
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	598	96	15	-15	-5	287	106	130	-50	72	137	106	10	1,487
914-Pension and Benefits Load	2,274	334	52	-53	-16	999	368	453	-175	251	478	370	35	5,370
915-Injuries and Damages Load	495	76	12	-12	-4	228	84	103	-40	57	109	84	8	1,201
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	1,370	82	13	-13	-4	245	90	111	-43	62	151	91	9	2,163
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads	4,294	502	79	-80	-24	1,503	553	681	-264	378	790	557	53	9,021
926-A and G Loads	1,651	142	22	-23	-7	424	156	192	-74	107	228	157	15	2,990
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	12,328	2,326	366	-372	-111	6,968	2,566	3,158	-1,223	1,753	3,408	2,582	246	33,993
825-Clearings	-12,251	-339	-737	-1,104	-330	-1,695	-1,230	-1,286	-858	-1,200	-1,158	-8,114	-1,581	-31,885
Clr Sum	-12,251	-339	-737	-1,104	-330	-1,695	-1,230	-1,286	-858	-1,200	-1,158	-8,114	-1,581	-31,885
Proj Net	77	1,986	-372	-1,476	-441	5,273	1,335	1,872	-2,081	553	2,249	-5,532	-1,335	2,108

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15200107	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	18,941	1,847	290	-295	-88	5,534	2,038	2,308	-971	1,392	2,724	2,050	195	35,965
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350-Material Issues-Major	13,496	710	112	-113	-34	2,127	783	964	-373	535	1,315	788	75	20,382
370-Outside Services	328	25	4	-4	-1	76	28	35	-13	19	47	28	3	576
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	7,008	596	94	-95	-28	1,785	657	809	-313	449	1,103	661	63	12,789
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-28,012	-1,522	-239	243	73	-4,559	-1,679	-2,066	800	-1,147	-2,818	-1,689	-161	-42,777
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	1,487	145	23	-23	-7	434	160	181	-76	109	214	161	15	2,822
914-Pension and Benefits Load	5,370	504	79	-81	-24	1,510	556	630	-265	380	743	560	53	10,016
915-Injuries and Damages Load	1,201	115	18	-18	-5	344	127	144	-60	87	169	128	12	2,260
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	2,163	123	19	-20	-6	368	135	167	-65	93	227	136	13	3,354
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads	9,021	757	119	-121	-36	2,268	835	973	-398	570	1,213	840	80	16,121
926-A and G Loads	2,990	214	34	-34	-10	640	236	277	-112	161	349	237	23	5,002
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	33,993	3,514	552	-562	-168	10,526	3,876	4,420	-1,847	2,648	5,286	3,900	372	66,511
825-Clearings	-31,885	-587	-1,263	-1,915	-577	-2,641	-1,902	-1,937	-1,291	-1,807	-1,759	-12,312	-2,399	-62,276
Clr Sum	-31,885	-587	-1,263	-1,915	-577	-2,641	-1,902	-1,937	-1,291	-1,807	-1,759	-12,312	-2,399	-62,276
Proj Net	2,108	2,926	-710	-2,476	-745	7,885	1,974	2,483	-3,139	841	3,527	-8,411	-2,027	4,235

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***Project No: 15201207 Pole Replacement***

Company: 034-PNM TNMPNM Distribution

Location: 152 Distribution

Project Information

Construction Start Date 3/1/2016

Estimated Completion Date

List Interim In-Service Dates

Project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

The New Mexico Public Regulatory Commission regulations state that PNM shall keep electric infrastructure in good repair based on industry standards. To comply with the regulations, PNM performs ground line tests on its distribution wood pole infrastructure to ensure that they are kept in good repair. This project is necessary to ensure the integrity of wood poles in PNM's distribution system. Wood poles are support structures for overhead wires, transformers, and other equipment. Compromised integrity of these structures can affect reliability of service as well as public safety and the safety of PNM employees who may need to climb poles for maintenance and new service reasons. Furthermore, New Mexico Public Regulatory Commission Rule 17.9.560 requires PNM to determine the necessity for replacement and repairs and to exercise reasonable care to protect our employees and our customers. Distribution wood poles that fail the testing are replaced or reinforced based on the testing results. This project covers the labor and material costs associated with the testing, replacement and repair of defective poles.

Project Alternatives

The testing of each pole determines the appropriate alternative for fixing a defective pole. The alternatives include replacing the pole or reinforcing the pole and fumigating it. The "do nothing" alternative is not an option as the distribution system must be kept in good repair.

Technical Aspects

This project includes pole replacement, pole reinforcement, and fumigation. This project assures that the wood pole infrastructure is replaced or reinforced based upon ground line testing results. Poles are given a series of tests including visual, sounding, and bore hole inspections to determine the condition of the pole and the requisite treatment or replacement. Poles are inspected with a targeted cycle of inspection of each pole approximately every twenty-five years.

Project Estimate Approach



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15201207	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-40	-30	-23	-93		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			45	34	26	19	14	11	149		
929-AFUDC - Equity Regular	0			49	37	28	21	16	12	161		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			94	71	53	0	0	0	217		
825-Clearings	0			-5,008	-3,774	-2,844	-2,133	-1,599	-3,839	-19,196		
Clr Sum	0			-5,008	-3,774	-2,844	-2,133	-1,599	-3,839	-19,196		
Proj Net	0			-4,914	-3,703	-2,790	-2,133	-1,600	-3,839	-18,979		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15201207	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-93	-6	0	0	0	0	0	0	0	0	0	0	0	-99
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	928-AFUDC Debt Reg	149	2	0	0	0	0	0	0	0	0	0	0	0	151
	929-AFUDC - Equity Regular	161	3	0	0	0	0	0	0	0	0	0	0	0	164
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	217	0	0	0	0	0	0	0	0	0	0	0	0	217
	825-Clearings	-19,196	-960	0	0	0	0	0	0	0	0	0	0	0	-20,156
	Clr Sum	-19,196	-960	0	0	0	0	0	0	0	0	0	0	0	-20,156
	Proj Net	-18,979	-960	0	0	0	0	0	0	0	0	0	0	0	-19,939

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15201207	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-99	0	0	0	0	0	0	0	0	0	0	0	0	-99
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	928-AFUDC Debt Reg	151	0	0	0	0	0	0	0	0	0	0	0	0	151
	929-AFUDC - Equity Regular	164	0	0	0	0	0	0	0	0	0	0	0	0	164
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	217	0	0	0	0	0	0	0	0	0	0	0	0	217
	825-Clearings	-20,156	0	0	0	0	0	0	0	0	0	0	0	0	-20,156
	Clr Sum	-20,156	0	0	0	0	0	0	0	0	0	0	0	0	-20,156
	Proj Net	-19,939	0	0	0	0	0	0	0	0	0	0	0	0	-19,939

***Project No: 15234007 Tools & Equipment***

Company: 034-PNM TNMPNM Distribution  
Location: 152 Distribution

Project Information

Construction Start Date 1/1/2015 Estimated Completion Date

List Interim In-Service Dates

04-2015, 07-2015, 10-2015, 12-2015. Quarterly clearings occur every year thereafter.

Project Need Justification

This project is for the purchase of tools and equipment that is used to maintain both distribution and transmission power lines. The new tools and equipment will enable PNM employees to improve their productivity and/or ensure their safety when performing work to maintain power lines. The new tools and equipment will replace defective tools and equipment and/or are required to maintain power lines.

Project Alternatives

There are two alternatives to this project: 1) do not purchase the tools and equipment or 2) purchase the tools and equipment. Given that transmission and distribution power lines must be maintained to ensure the reliability of the system and electric service to PNM customers, the purchase of the new tools and equipment is required. The purchase of the tools and equipment is evaluated so that it is completed in a timely manner when they are needed.

Technical Aspects

The project involves purchasing for tools, including but not limited to magnetic drill presss, hydraulic paving breaker, Streamline Robo crimp, cordless phasing sets, cable cutters, drum cables, augers for digger trucks, core barrels, etc.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15234007	Year	2016									
Cost Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	2,350	0	0	2,350	0	4,700		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-71	-20	-20	-112		
426-Capitalized Interest	0			63	70	70	72	20	27	321		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	361	0	0	361	0	722		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	196	0	0	196	0	391		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			63	2,976	70	0	2,907	6	6,022		
825-Clearings	0			0	0	0	-13,636	0	-6,322	-19,958		
Cir Sum	0			0	0	0	-13,636	0	-6,322	-19,958		
Proj Net	0			63	2,976	70	-13,636	2,907	-6,316	-13,935		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15234007	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	4,700	0	2,350	0	0	2,350	0	0	2,350	0	0	2,350	0	14,100
	370-Outside Services	0	0	0	0	0	0	0	0	149	0	0	1	0	150
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-112	0	0	0	0	0	0	0	0	0	0	0	0	-112
	426-Capitalized Interest	321	0	6	12	12	9	15	15	22	28	29	12	18	497
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	722	0	407	0	0	407	0	0	407	0	0	407	0	2,349
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	391	0	158	0	0	158	0	0	168	0	0	158	0	1,033
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	6,022	0	2,920	12	12	2,923	15	15	3,095	28	29	2,927	18	18,017
	825-Clearings	-19,958	0	0	0	-2,356	0	0	0	0	0	-5,355	0	-4,284	-31,952
	Clr Sum	-19,958	0	0	0	-2,356	0	0	0	0	0	-5,355	0	-4,284	-31,952
	Proj Net	-13,935	0	2,920	12	-2,344	2,923	15	15	3,095	28	-5,326	2,927	-4,266	-13,935

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15234007	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	14,100	0	2,350	0	0	2,350	0	0	2,350	0	0	2,350	0	23,500
	370-Outside Services	150	0	0	0	0	50	0	0	84	0	0	0	0	284
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
829-Construction Adjustment	-112	0	0	0	0	0	0	0	0	0	0	0	0	0	-112
426-Capitalized Interest	497	0	6	13	12	8	13	13	13	18	23	24	10	15	653
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	2,349	0	407	0	0	0	407	0	0	407	0	0	407	0	3,975
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
926-A and G Loads	1,033	0	158	0	0	0	161	0	0	164	0	0	158	0	1,673
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	18,017	0	2,920	13	12	2,976	13	13	3,022	23	24	2,924	15	29,973
	825-Clearings	-31,952	0	0	0	-2,356	0	0	0	0	0	-5,329	0	-4,271	-43,909
	Clr Sum	-31,952	0	0	0	-2,356	0	0	0	0	0	-5,329	0	-4,271	-43,909
	Proj Net	-13,935	0	2,920	13	-2,344	2,976	13	13	3,022	23	-5,305	2,924	-4,256	-13,935

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**Project No: 15500507 Lighting \$57,060 \$488 \$57,060**

Company: 034-PNM TNMPNM Distribution  
Location: 155 Distribution

Project Information

Construction Start Date 1/1/2017 Estimated Completion Date

List Interim In-Service Dates

Project consists of many individual customer work orders which are placed in service at various times throughout the year.

Project Need Justification

This project allows PNM to comply with its contractual obligation with the Silver City Services Territory to maintain its city street lights. Under the agreement, PNM will install and replace street lights within the city’s boundaries. The project funds cover the internal and external labor, materials, and equipment for the street lights.

Project Alternatives

Due to these contractual obligations, there are no other alternative methods for this project. Under Rate Schedule 20, customers have the option to own streetlights and pay PNM or a contractor for their installation, or to request that PNM install and own the lights. Under Rate Schedule 6 and the terms of the Agreement for Lighting Service thereunder, private lights are removed at the customer’s request and at PNM’s costs. PNM must honor installation requests under PNM Rate 20.

Technical Aspects

This project includes costs for the installation, relocation, or removal of street lighting and floodlighting and the removal or relocation of private area lighting. This work will include poles, light fixtures, wiring, and ancillary lighting equipment.

Project Estimate Approach

NA



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15500507	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			750	572	1,080	991	452	84	3,928		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			1,035	732	578	500	787	426	4,058		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			958	245	74	676	367	72	2,392		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			59	45	85	78	36	7	309		
914-Pension and Benefits Load	0			225	171	323	297	135	25	1,176		
915-Injuries and Damages Load	0			49	37	70	65	29	5	256		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			159	113	89	77	121	65	624		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			569	334	409	482	334	114	2,242		
926-A and G Loads	0			228	129	144	180	134	48	864		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			4,032	2,378	2,852	3,345	2,396	847	15,850		
825-Clearings	0			-10,556	0	0	-8,972	0	-5,486	-25,013		
Cir Sum	0			-10,556	0	0	-8,972	0	-5,486	-25,013		
Proj Net	0			-6,524	2,378	2,852	-5,626	2,396	-4,639	-9,163		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15500507	Year	2017											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	3,928	215	183	316	184	133	121	188	172	233	202	138	184	6,197
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350-Material Issues-Major	4,058	842	718	1,241	723	523	476	740	677	914	793	543	722	12,970
370-Outside Services	0	0	0	0	0	5	0	0	0	0	0	0	0	5
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	2,392	140	119	206	120	87	79	123	112	152	132	90	120	3,872
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	309	17	14	25	14	10	9	15	13	18	16	11	14	487
914-Pension and Benefits Load	1,176	59	50	86	50	36	33	51	47	64	55	38	50	1,795
915-Injuries and Damages Load	256	13	11	20	11	8	8	12	11	14	13	9	11	397
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	624	146	124	215	125	90	82	128	117	158	137	94	125	2,166
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads	2,242	247	210	364	212	154	139	217	198	268	232	159	212	4,854
926-A and G Loads	864	80	69	118	69	50	45	71	65	87	76	52	69	1,715
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	15,850	1,759	1,499	2,590	1,509	1,098	993	1,544	1,412	1,909	1,656	1,133	1,508	34,459
825-Clearings	-25,013	0	0	-230	-641	-693	-1,338	-610	0	-1,164	-2,406	-1,126	-3,839	-37,061
Clr Sum	-25,013	0	0	-230	-641	-693	-1,338	-610	0	-1,164	-2,406	-1,126	-3,839	-37,061
Proj Net	-9,163	1,759	1,499	2,360	868	405	-345	934	1,412	744	-750	7	-2,331	-2,602

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15500507	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	6,197	256	218	377	220	159	145	225	206	278	241	165	219	8,906
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350-Material Issues-Major	12,970	1,000	853	1,473	858	621	565	878	804	1,085	942	645	857	23,551
370-Outside Services	5	0	0	0	0	0	0	0	0	0	0	0	0	5
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	3,872	166	142	245	143	103	94	146	133	180	156	107	142	5,629
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	487	20	17	30	17	12	11	18	16	22	19	13	17	699
914-Pension and Benefits Load	1,795	70	59	103	60	43	40	61	56	76	66	45	60	2,535
915-Injuries and Damages Load	397	16	14	23	14	10	9	14	13	17	15	10	14	566
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	2,166	173	148	255	148	107	98	152	139	188	163	112	148	3,996
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads	4,854	293	250	432	252	182	166	258	236	318	276	189	251	7,958
926-A and G Loads	1,715	96	82	141	82	59	54	84	77	104	90	62	82	2,726
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	34,459	2,090	1,782	3,079	1,794	1,298	1,182	1,836	1,680	2,268	1,968	1,348	1,790	56,572
825-Clearings	-37,061	-2,204	-690	-418	-1,079	-1,116	-2,084	-907	0	-1,625	-3,285	-1,515	-5,076	-57,060
Clr Sum	-37,061	-2,204	-690	-418	-1,079	-1,116	-2,084	-907	0	-1,625	-3,285	-1,515	-5,076	-57,060
Proj Net	-2,602	-115	1,093	2,660	715	181	-902	928	1,680	643	-1,317	-167	-3,286	-488

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*Project No: 15501207 Pole Replacement*

Company: 034-PNM TNMPNM Distribution  
Location: 155 Distribution

Project Information

Construction Start Date 1/1/2017 Estimated Completion Date

List Interim In-Service Dates

Project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

The New Mexico Public Regulatory Commission regulations state that PNM shall keep electric infrastructure in good repair based on industry standards. To comply with the regulations, PNM performs ground line tests on its distribution wood pole infrastructure to ensure that they are kept in good repair. This project is necessary to ensure the integrity of wood poles in PNM’s distribution system. Wood poles are support structures for overhead wires, transformers, and other equipment. Compromised integrity of these structures can affect reliability of service as well as public safety and the safety of PNM employees who may need to climb poles for maintenance and new service reasons. Furthermore, New Mexico Public Regulatory Commission Rule 17.9.560 requires PNM to determine the necessity for replacement and repairs and to exercise reasonable care to protect our employees and our customers. Distribution wood poles that fail the testing are replaced or reinforced based on the testing results. This project covers the labor and material costs associated with the testing, replacement and repair of defective poles.

Project Alternatives

The testing of each pole determines the appropriate alternative for fixing the defective pole. The alternatives include replacing the pole or reinforcing the pole and fumigating it. The “do nothing” alternative is not an option as the distribution system must be kept in good repair.

Technical Aspects

The testing of each pole determines the appropriate alternative for fixing the defective pole. The alternatives include replacing the pole or reinforcing the pole and fumigating it. The “do nothing” alternative is not an option as the distribution system must be kept in good repair.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15501207	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	3,000	5,000	0	8,000		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	5,000	1,600	0	6,600		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-29	-29	-29	-88		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	236	394	0	630		
914-Pension and Benefits Load	0			0	0	0	898	1,497	0	2,395		
915-Injuries and Damages Load	0			0	0	0	196	326	0	522		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	769	246	0	1,014		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	1,726	1,631	0	3,357		
926-A and G Loads	0			0	0	0	666	549	0	1,215		
928-AFUDC Debt Reg	0			0	0	0	14	34	35	83		
929-AFUDC - Equity Regular	0			0	0	0	15	37	38	90		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	12,490	11,284	43	23,817		
825-Clearings	0			0	0	0	-3,123	-5,163	-3,883	-12,168		
Clr Sum	0			0	0	0	-3,123	-5,163	-3,883	-12,168		
Proj Net	0			0	0	0	9,368	6,121	-3,840	11,649		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15501207	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jui	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	8,000	0	0	0	0	0	0	0	0	0	0	0	0	8,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	6,600	0	0	0	0	0	0	0	0	0	0	0	0	6,600
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-88	-38	-14	0	0	0	0	0	0	0	0	0	0	-139
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	630	0	0	0	0	0	0	0	0	0	0	0	0	630
	914-Pension and Benefits Load	2,395	0	0	0	0	0	0	0	0	0	0	0	0	2,395
	915-Injuries and Damages Load	522	0	0	0	0	0	0	0	0	0	0	0	0	522
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	1,014	0	0	0	0	0	0	0	0	0	0	0	0	1,014
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	3,357	0	0	0	0	0	0	0	0	0	0	0	0	3,357
	926-A and G Loads	1,215	0	0	0	0	0	0	0	0	0	0	0	0	1,215
	928-AFUDC Debt Reg	83	30	6	0	0	0	0	0	0	0	0	0	0	119
	929-AFUDC - Equity Regular	90	40	8	0	0	0	0	0	0	0	0	0	0	137
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	23,817	33	0	0	0	0	0	0	0	0	0	0	0	23,850
	825-Clearings	-12,168	-9,345	-2,336	0	0	0	0	0	0	0	0	0	0	-23,850
	Clr Sum	-12,168	-9,345	-2,336	0	0	0	0	0	0	0	0	0	0	-23,850
	Proj Net	11,649	-9,313	-2,336	0	0	0	0	0	0	0	0	0	0	0

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15501207	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	8,000	0	0	0	0	0	0	0	0	0	0	0	0	8,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	6,600	0	0	0	0	0	0	0	0	0	0	0	0	6,600
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-139	0	0	0	0	0	0	0	0	0	0	0	0	-139
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	630	0	0	0	0	0	0	0	0	0	0	0	0	630
	914-Pension and Benefits Load	2,395	0	0	0	0	0	0	0	0	0	0	0	0	2,395
	915-Injuries and Damages Load	522	0	0	0	0	0	0	0	0	0	0	0	0	522
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	1,014	0	0	0	0	0	0	0	0	0	0	0	0	1,014
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	3,357	0	0	0	0	0	0	0	0	0	0	0	0	3,357
	926-A and G Loads	1,215	0	0	0	0	0	0	0	0	0	0	0	0	1,215
	928-AFUDC Debt Reg	119	0	0	0	0	0	0	0	0	0	0	0	0	119
	929-AFUDC - Equity Regular	137	0	0	0	0	0	0	0	0	0	0	0	0	137
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	23,850	0	0	0	0	0	0	0	0	0	0	0	0	23,850
	825-Clearings	-23,850	0	0	0	0	0	0	0	0	0	0	0	0	-23,850
	Clr Sum	-23,850	0	0	0	0	0	0	0	0	0	0	0	0	-23,850
Proj Net		0	0	0	0	0	0	0	0	0	0	0	0	0	0

***Project No: 15501711 Bird Guard Capital Project***

Company: 034-PNM TNMPNM Distribution  
Location: 155 Distribution

Project Information

<u>Construction Start Date</u>	1/1/2015	<u>Estimated Completion Date</u>	N/A
<u>List Interim In-Service Dates</u>			
Complete 11/1/2015			

Project Need Justification

This project provides for the installation of electrically insulating guarding materials to prevent wildlife from making contact with energized distribution equipment that can cause outages in the Silver City area. This project modifies existing facilities where high bird mortality rates are identified. We have identified the bird laws as a regulatory vulnerability for PNM. This project demonstrates a good faith effort to protect birds and thereby limits corporate liability for prosecution under the Migratory Bird Treaty Act (MBTA) and other bird laws. Violations of the MBTA and other “bird laws” constitutes a significant liability for utilities. Additionally, over time the project will result in fewer outages and increased customer satisfaction. It will also positively effect PNM stakeholders concerned with bird and wildlife issues.

Project Alternatives

These improvements are necessary to comply with regulations relating to birds. Alternatives are evaluated on a project-by-project basis to choose the most cost effective method within standard procedure to address the issue and comply with bird law.

Technical Aspects

The different projects identified provide for the installation of protective covers over insulators, wires, transformer bushings, switch covers and other equipment in areas known to be inhabited/frequented by birds projected under the Migratory Bird Treaty Act to reduce the hazard of an electrocution hazard.

Project Estimate Approach



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15501711	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	0	0	0	0		
825-Clearings	0			0	0	0	0	0	0	0		
Clr Sum	0			0	0	0	0	0	0	0		
Proj Net	0			0	0	0	0	0	0	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15501711	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	825-Clearings	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Clr Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15501711	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	825-Clearings	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Clr Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

***Project No: 20000107 Line Extension - Residential***

Company: 001-Electric Services  
Location: 200 Distribution

Project Information

Construction Start Date                      1/1/2017                      Estimated Completion Date

List Interim In-Service Dates

This project consists of many individual customer work orders which are placed in service at various times throughout the year.

Project Need Justification

This project is necessary to meet PNM’s obligation to serve new customers and provides for the installation of electric line extensions for new residential customers, apartment complexes, and residential subdivisions.

Project Alternatives

Because this project is necessary for PNM to serve new customers, there are no alternatives to conducting this work. Nonetheless, line extension options for each new service request are evaluated individually taking into account many factors such as available capacity on existing lines, route distances, customer preferences, and right-of way requirements, per PNM Rule 15. The best method for the extension is selected based on a balance of cost, timing, and efficacy.

Technical Aspects

Line extensions are designed to the minimum system requirements in accordance with PNM Rule 15. Physical components include but are not limited to primary wires, secondary wires, wood or steel poles and other supporting structures, trenches, switchgear, and conduit systems.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	20000107	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	125,700		864	725	576	590	-191	527	128,792		
	120-Overtime-General	3,957		0	0	0	0	0	0	3,957		
	350-Material Issues-Major	171,082		0	0	128	364	17	34	171,625		
	370-Outside Services	0		0	0	0	0	0	0	0		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	12,579		0	0	0	0	0	0	12,579		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		315	53	238	206	3	414	1,229		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-545,080		-1,612	0	-1,334	-873	-511	-288	-549,699		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	10,848		68	57	45	46	-15	41	11,091		
	914-Pension and Benefits Load	41,658		259	217	173	177	-57	158	42,584		
	915-Injuries and Damages Load	10,623		56	47	38	38	-12	34	10,825		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	17,405		0	0	14	40	2	4	17,465		
	922-Minor Material Load	8,589		0	0	0	0	0	0	8,589		
	925-E and S Loads	69,696		289	203	222	263	-47	223	70,849		
	926-A and G Loads	21,867		98	65	78	97	-14	81	22,272		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	-51,076		337	1,368	178	949	-826	1,228	-47,841		
	825-Clearings	-25,042		-705	-2,180	-3,739	-1,313	-943	-1,276	-35,198		
	Clr Sum	-25,042		-705	-2,180	-3,739	-1,313	-943	-1,276	-35,198		
	Proj Net	-76,118		-368	-812	-3,561	-364	-1,769	-47	-83,039		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	20000107	Year	2017											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	128,792	0	1,723	0	0	1,723	0	0	1,723	0	0	1,723	0	135,684
120-Overtime-General	3,957	0	54	0	0	54	0	0	54	0	0	54	0	4,173
350-Material Issues-Major	171,625	0	619	0	0	619	0	0	619	0	0	619	0	174,101
370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	12,579	0	0	0	0	0	0	0	0	0	0	0	0	12,579
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	1,229	0	769	0	0	769	0	0	769	0	0	769	0	4,305
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-549,699	0	-3,443	0	0	-3,443	0	0	-3,443	0	0	-3,443	0	-563,471
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	11,091	0	139	0	0	139	0	0	139	0	0	139	0	11,648
914-Pension and Benefits Load	42,584	0	485	0	0	485	0	0	485	0	0	485	0	44,524
915-Injuries and Damages Load	10,825	0	111	0	0	111	0	0	111	0	0	111	0	11,267
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	17,465	0	107	0	0	107	0	0	107	0	0	107	0	17,893
922-Minor Material Load	8,589	0	0	0	0	0	0	0	0	0	0	0	0	8,589
925-E and S Loads	70,849	0	749	0	0	749	0	0	749	0	0	749	0	73,844
926-A and G Loads	22,272	0	213	0	0	213	0	0	213	0	0	213	0	23,123
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	-47,841	0	1,525	0	0	1,525	0	0	1,525	0	0	1,525	0	-41,740
825-Clearings	-35,198	-499	-310	-755	-238	-544	-289	-220	-311	-359	-249	-2,325	-433	-41,730
Clr Sum	-35,198	-499	-310	-755	-238	-544	-289	-220	-311	-359	-249	-2,325	-433	-41,730
Proj Net	-83,039	-499	1,215	-755	-238	982	-289	-220	1,214	-359	-249	-800	-433	-83,470

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	20000107	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	135,684	0	2,604	0	0	2,604	0	0	2,604	0	0	2,604	0	146,100
120-Overtime-General	4,173	0	81	0	0	81	0	0	81	0	0	81	0	4,497
350-Material Issues-Major	174,101	0	931	0	0	931	0	0	931	0	0	931	0	177,825
370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	12,579	0	0	0	0	0	0	0	0	0	0	0	0	12,579
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	4,305	0	1,156	0	0	1,156	0	0	1,156	0	0	1,156	23	8,952
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-563,471	0	-5,178	0	0	-5,178	0	0	-5,178	0	0	-5,178	0	-584,183
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	11,648	0	211	0	0	211	0	0	211	0	0	211	0	12,490
914-Pension and Benefits Load	44,524	0	733	0	0	733	0	0	733	0	0	733	0	47,455
915-Injuries and Damages Load	11,267	0	167	0	0	167	0	0	167	0	0	167	0	11,935
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	17,893	0	161	0	0	161	0	0	161	0	0	161	0	18,538
922-Minor Material Load	8,589	0	0	0	0	0	0	0	0	0	0	0	0	8,589
925-E and S Loads	73,844	0	1,129	0	0	1,129	0	0	1,129	0	0	1,129	4	78,366
926-A and G Loads	23,123	0	321	0	0	321	0	0	321	0	0	321	2	24,407
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	-41,740	0	2,315	0	0	2,315	0	0	2,315	0	0	2,315	29	-32,449
825-Clearings	-41,730	-87	-558	-929	-293	-754	-401	-305	-450	-519	-360	-3,430	-648	-50,464
Clr Sum	-41,730	-87	-558	-929	-293	-754	-401	-305	-450	-519	-360	-3,430	-648	-50,464
Proj Net	-83,470	-87	1,757	-929	-293	1,562	-401	-305	1,865	-519	-360	-1,114	-619	-82,914

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**Project No: 20000507 Lighting \$2,118 (\$411) \$2,118**

Company: 001-Electric Services

Location: 200 Distribution

Project Information

Construction Start Date 1/1/2017

Estimated Completion Date

List Interim In-Service Dates

Project consists individual customer work orders which are placed in service at various times throughout the year.

Project Need Justification

This project allows PNM to comply with its contractual obligation with the City of Deming, NM to maintain its city street lights. Under the agreement, PNM will install and replace street lights within the city's boundaries. The project funds cover the internal and external labor, materials, and equipment for the street lights.

Project Alternatives

Due to these contractual obligations, there are no other alternative methods for this project. Under Rate Schedule 20, customers have the option to own streetlights and pay PNM or a contractor for their installation, or to request that PNM install and own the lights. Under Rate Schedule 6 and the terms of the Agreement for Lighting Service thereunder, private lights are removed at the customer's request and at PNM's costs. PNM must honor installation requests under PNM Rate 20. PNM evaluates each installation and replacement to ensure that the optimal street light placement / location is chosen. The placement supports the elimination of potential hazards and ensures the ease of maintenance.

Technical Aspects

Install street lighting poles with lighting fixtures, wire and ancillary lighting equipment.

Project Estimate Approach

N/A



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	20000507	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	6,118			25	26	37	40	23	23	6,292		
120-Overtime-General	473			0	0	0	0	0	0	473		
350-Material Issues-Major	19,021			22	23	33	28	20	20	19,167		
370-Outside Services	262			0	0	0	0	0	0	262		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	992			0	0	0	0	0	0	992		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	-929			0	0	0	0	0	0	-929		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	547			2	2	3	3	2	2	560		
914-Pension and Benefits Load	2,199			7	8	11	12	7	7	2,251		
915-Injuries and Damages Load	482			2	2	2	3	1	2	493		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	2,013			2	3	4	3	2	2	2,029		
922-Minor Material Load	844			0	0	0	0	0	0	844		
925-E and S Loads	4,827			11	11	16	16	10	10	4,900		
926-A and G Loads	1,667			4	4	6	6	4	4	1,693		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	38,517			74	78	112	110	69	69	39,029		
825-Clearings	-41,959			-7	-17	-48	-242	-15	-183	-42,471		
Clr Sum	-41,959			-7	-17	-48	-242	-15	-183	-42,471		
Proj Net	-3,442			68	60	64	-132	53	-114	-3,442		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	20000507	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	6,292	24	31	22	29	28	29	24	25	36	29	22	23	6,614
	120-Overtime-General	473	0	0	0	0	0	0	0	0	0	0	0	0	473
	350-Material Issues-Major	19,167	22	28	20	26	25	26	22	23	23	25	21	20	19,448
	370-Outside Services	262	0	0	0	0	0	0	0	0	0	9	9	9	290
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	992	0	0	0	0	0	0	0	0	0	0	0	0	992
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	-929	0	0	0	0	0	0	0	0	0	0	0	0	-929
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	560	2	2	2	2	2	2	2	2	3	2	2	2	586
	914-Pension and Benefits Load	2,251	7	8	6	8	8	8	7	7	10	8	6	6	2,339
	915-Injuries and Damages Load	493	1	2	1	2	2	2	1	2	2	2	1	1	513
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	2,029	4	5	3	5	4	5	4	4	4	4	4	4	2,078
	922-Minor Material Load	844	0	0	0	0	0	0	0	0	0	0	0	0	844
	925-E and S Loads	4,900	11	14	10	13	12	13	11	11	14	15	12	12	5,047
	926-A and G Loads	1,693	3	4	3	4	4	4	3	3	4	4	4	3	1,736
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	39,029	73	94	66	88	85	88	73	77	97	99	81	80	40,031
	825-Clearings	-42,471	-6	-16	-8	-26	-32	-69	-31	0	-60	-126	-61	-209	-43,116
	Clr Sum	-42,471	-6	-16	-8	-26	-32	-69	-31	0	-60	-126	-61	-209	-43,116
	Proj Net	-3,442	67	78	57	62	53	19	42	77	37	-27	19	-129	-3,085

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	20000507	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	6,614	26	34	23	31	30	31	26	27	39	32	24	24	6,964	
120-Overtime-General	473	0	0	0	0	0	0	0	0	0	0	0	0	473	
350-Material Issues-Major	19,448	22	28	20	26	25	26	22	23	23	25	21	20	19,729	
370-Outside Services	290	0	0	0	0	0	0	0	0	0	0	0	0	290	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	992	0	0	0	0	0	0	0	0	0	0	0	0	992	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	-929	0	0	0	0	0	0	0	0	0	0	0	0	-929	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	586	2	3	2	2	2	2	2	2	3	3	2	2	613	
914-Pension and Benefits Load	2,339	7	9	6	9	8	9	7	7	11	9	7	7	2,435	
915-Injuries and Damages Load	513	2	2	1	2	2	2	2	2	2	2	2	2	535	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	2,078	4	5	3	5	4	5	4	4	4	4	4	4	2,126	
922-Minor Material Load	844	0	0	0	0	0	0	0	0	0	0	0	0	844	
925-E and S Loads	5,047	11	14	10	14	13	14	11	12	15	13	11	11	5,196	
926-A and G Loads	1,736	3	4	3	4	4	4	3	3	4	4	3	3	1,778	
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	40,031	77	99	69	92	90	93	77	81	102	92	72	72	41,046	
825-Clearings	-43,116	-110	-35	-18	-48	-52	-104	-44	0	-78	-157	-73	-240	-44,077	
Clr Sum	-43,116	-110	-35	-18	-48	-52	-104	-44	0	-78	-157	-73	-240	-44,077	
Proj Net	-3,085	-34	64	51	45	37	-11	33	81	24	-65	-1	-169	-3,031	

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***Project No: 20034009 Deming Tools & Equipment***

Company: 001-Electric Services  
Location: 200 Distribution

Project Information

Construction Start Date 1/1/2017 Estimated Completion Date

List Interim In-Service Dates

Project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

This project is for the purchase of tools and equipment that is used to maintain both distribution and transmission power lines. The new tools and equipment enables PNM employees to improve its productivity or ensure the safety of its employees while performing work to maintain power lines. The new tools and equipment replace defective tools and equipment or include new tools and equipment that are required to maintain power lines.

Project Alternatives

No alternatives exist for this project. Not purchasing the equipment, will directly affect the ability of PNM employees conducting distribution work, potentially increasing costs as time and effort required to perform work will increase. Given that transmission and distribution power lines must be maintained to ensure the reliability of the system and electric service to PNM customers, the purchase of the new tools and equipment is required. The purchase of the tools and equipment is evaluated so that it is completed in a timely manner when they are needed. Specific alternatives as to the type of tools and equipment purchased will be evaluated at the time of replacement.

Technical Aspects

This project will have multiple work orders with each representing small capital tool replacements such as power tools, specialized tools for working energized power lines and equipment accessories required for the installation of distribution equipment. Tools purchases consist of, but are not limited to, magnetic drill press, hydraulic paving breaker, Streamline Robo crimp, cordless phasing sets, cable cutter, drum cable, augers for digger truck, and core barrels.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	20034009	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	132		0	0	0	0	0	0	132		
	120-Overtime-General	0		0	0	0	0	0	0	0		
	350-Material Issues-Major	0		0	0	2,400	0	0	2,400	4,800		
	370-Outside Services	3,257		0	0	0	0	0	0	3,257		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	7,762		0	0	0	0	0	0	7,762		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	-12	-2	-2	-17		
	426-Capitalized Interest	1,013		1	0	6	12	2	8	1,043		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	14		0	0	0	0	0	0	14		
	914-Pension and Benefits Load	49		0	0	0	0	0	0	49		
	915-Injuries and Damages Load	14		0	0	0	0	0	0	14		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	521		0	0	267	0	0	267	1,054		
	922-Minor Material Load	0		0	0	0	0	0	0	0		
	925-E and S Loads	0		0	0	0	0	0	0	0		
	926-A and G Loads	6,214		0	0	200	0	0	200	6,614		
	928-AFUDC Debt Reg	735		0	0	0	0	0	0	735		
	929-AFUDC - Equity Regular	591		0	0	0	0	0	0	591		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	20,301		1	0	2,873	0	0	2,873	26,047		
	825-Clearings	-90,035		-138	0	0	-2,326	0	-3,454	-95,953		
	Clr Sum	-90,035		-138	0	0	-2,326	0	-3,454	-95,953		
	Proj Net	-69,734		-137	0	2,873	-2,326	0	-581	-69,906		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	20034009	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	132	0	0	0	0	0	0	0	0	0	0	0	0	132
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	4,800	0	0	2,400	0	0	2,400	0	0	2,400	0	0	2,400	14,400
	370-Outside Services	3,257	0	0	0	0	0	161	0	0	165	0	0	0	3,583
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	7,762	0	0	0	0	0	0	0	0	0	0	0	0	7,762
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-17	0	0	0	0	0	0	0	0	0	0	0	0	-17
	426-Capitalized Interest	1,043	0	0	6	12	13	19	26	5	12	19	18	26	1,200
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	14	0	0	0	0	0	0	0	0	0	0	0	0	14
	914-Pension and Benefits Load	49	0	0	0	0	0	0	0	0	0	0	0	0	49
	915-Injuries and Damages Load	14	0	0	0	0	0	0	0	0	0	0	0	0	14
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	1,054	0	0	415	0	0	415	0	0	415	0	0	415	2,715
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	6,614	0	0	161	0	0	172	0	0	172	0	0	161	7,281
	928-AFUDC Debt Reg	735	0	0	0	0	0	0	0	0	0	0	0	0	735
	929-AFUDC - Equity Regular	591	0	0	0	0	0	0	0	0	0	0	0	0	591
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	26,047	0	0	2,983	12	13	3,167	26	5	3,164	19	18	3,002	38,458
	825-Clearings	-95,953	0	0	0	0	0	0	-4,961	0	0	0	0	-7,450	-108,364
	Clr Sum	-95,953	0	0	0	0	0	0	-4,961	0	0	0	0	-7,450	-108,364
	Proj Net	-69,906	0	0	2,983	12	13	3,167	-4,935	5	3,164	19	18	-4,447	-69,906

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	20034009	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	132	0	0	0	0	0	0	0	0	0	0	0	0	132
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	14,400	0	0	2,400	0	0	2,400	0	0	2,400	0	0	2,400	24,000
	370-Outside Services	3,583	0	0	0	0	0	199	0	0	200	0	0	0	3,982
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	7,762	0	0	0	0	0	0	0	0	0	0	0	0	7,762
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-17	0	0	0	0	0	0	0	0	0	0	0	0	-17
	426-Capitalized Interest	1,200	0	0	6	13	2	8	14	3	8	14	3	8	1,280
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	14	0	0	0	0	0	0	0	0	0	0	0	0	14
	914-Pension and Benefits Load	49	0	0	0	0	0	0	0	0	0	0	0	0	49
	915-Injuries and Damages Load	14	0	0	0	0	0	0	0	0	0	0	0	0	14
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	2,715	0	0	415	0	0	415	0	0	415	0	0	415	4,376
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	7,281	0	0	161	0	0	175	0	0	175	0	0	161	7,953
	928-AFUDC Debt Reg	735	0	0	0	0	0	0	0	0	0	0	0	0	735
	929-AFUDC - Equity Regular	591	0	0	0	0	0	0	0	0	0	0	0	0	591
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	38,458	0	0	2,983	13	2	3,197	14	3	3,198	14	3	2,985	50,870
	825-Clearings	-108,364	0	0	0	-2,396	0	0	-3,050	0	0	-3,182	0	-3,783	-120,775
	Clr Sum	-108,364	0	0	0	-2,396	0	0	-3,050	0	0	-3,182	0	-3,783	-120,775
	Proj Net	-69,906	0	0	2,983	-2,384	2	3,197	-3,036	3	3,198	-3,168	3	-798	-69,906

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***Project No: 30000107 LV-Line Extensions - Residential***

Company: 001-Electric Services  
Location: 300 Distribution

Project Information

Construction Start Date                      1/1/2017                      Estimated Completion Date

List Interim In-Service Dates

Project consists of many individual customer work orders which are placed in service at various times throughout the year.

Project Need Justification

This project is necessary to meet PNM’s obligation to serve new customers and provides for the installation of electric line extensions for new residential customers, apartment complexes, and residential subdivisions.

Project Alternatives

Because this project is necessary for PNM to serve new customers, there are no alternatives to conducting this work. Nonetheless, line extension options for each new service request are evaluated individually taking into account many factors such as available capacity on existing lines, route distances, customer preferences, and right-of way requirements, per PNM Rule 15. The best method for the extension is selected based on a balance of cost, timing, and efficacy.

Technical Aspects

Line extensions are designed to the minimum system requirements in accordance with PNM Rule 15. Physical components include but are not limited to primary wires, secondary wires, wood or steel poles and other supporting structures, trenches, switchgear, and conduit systems.

Project Estimate Approach

N/A



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	30000107	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	32,749		390	390	380	360	400	400	35,069		
	120-Overtime-General	2,338		0	0	0	0	0	0	2,338		
	350-Material Issues-Major	38,974		0	0	0	0	0	0	38,974		
	370-Outside Services	12,683		0	0	0	0	0	0	12,683		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	2,481		0	0	0	0	0	0	2,481		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	385		0	0	0	0	0	0	385		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-139,782		0	0	0	0	0	0	-139,782		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	2,941		31	31	30	28	31	31	3,124		
	914-Pension and Benefits Load	10,952		117	117	114	108	120	120	11,646		
	915-Injuries and Damages Load	2,961		25	25	25	23	26	26	3,112		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	4,660		0	0	0	0	0	0	4,660		
	922-Minor Material Load	2,488		0	0	0	0	0	0	2,488		
	925-E and S Loads	19,991		104	104	101	96	107	107	20,610		
	926-A and G Loads	6,508		32	32	32	30	33	33	6,701		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	329		699	699	682	646	717	717	4,490		
	825-Clearings	-20,995		-1,090	-984	-903	-833	-802	-779	-26,386		
	Clr Sum	-20,995		-1,090	-984	-903	-833	-802	-779	-26,386		
	Proj Net	-20,666		-390	-285	-221	-188	-85	-62	-21,897		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project 30000107	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	35,069	1,055	289	151	85	-2,568	1,839	839	213	1,408	180	129	-1,239	37,450
120-Overtime-General	2,338	0	0	0	0	0	76	0	0	0	25	0	0	2,439
350-Material Issues-Major	38,974	871	238	125	70	-2,120	1,518	693	176	1,162	148	106	-1,023	40,940
370-Outside Services	12,683	309	85	44	25	-753	539	246	62	413	53	38	-363	13,381
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	2,481	0	0	0	0	0	0	0	0	0	0	0	0	2,481
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	385	0	0	0	0	0	0	0	0	0	0	0	0	385
610-Expenses - General	0	568	155	81	46	-1,383	990	452	115	758	97	69	-667	1,282
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-139,782	-2,019	-553	-290	-163	4,915	-3,520	-1,606	-407	-2,695	-344	-247	2,372	-144,339
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	3,124	83	23	12	7	-201	150	66	17	110	16	10	-97	3,318
914-Pension and Benefits Load	11,646	288	79	41	23	-701	523	229	58	384	56	35	-338	12,324
915-Injuries and Damages Load	3,112	66	18	9	5	-160	119	52	13	88	13	8	-77	3,267
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	4,660	151	41	22	12	-367	263	120	30	201	26	18	-177	5,000
922-Minor Material Load	2,488	0	0	0	0	0	0	0	0	0	0	0	0	2,488
925-E and S Loads	20,610	622	170	89	50	-1,514	1,105	495	125	830	113	76	-731	22,041
926-A and G Loads	6,701	188	52	27	15	-459	334	150	38	251	34	23	-221	7,133
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	4,490	2,182	597	313	176	-5,311	3,937	1,735	440	2,912	415	267	-2,562	9,590
825-Clearings	-26,386	-418	-621	-1,396	-383	318	-132	-396	-328	-343	-496	-2,715	-110	-33,407
Clr Sum	-26,386	-418	-621	-1,396	-383	318	-132	-396	-328	-343	-496	-2,715	-110	-33,407
Proj Net	-21,897	1,764	-23	-1,084	-207	-4,993	3,805	1,340	112	2,569	-81	-2,448	-2,672	-23,816

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	30000107	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	37,450	1,595	436	229	128	-3,882	2,780	1,268	322	2,128	272	195	-1,873	41,049	
120-Overtime-General	2,439	0	0	0	0	0	76	0	0	0	25	0	0	2,540	
350-Material Issues-Major	40,940	1,310	358	188	106	-3,188	2,283	1,042	264	1,748	223	160	-1,538	43,895	
370-Outside Services	13,381	465	127	67	37	-1,132	811	370	94	621	79	57	-546	14,430	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	2,481	0	0	0	0	0	0	0	0	0	0	0	0	2,481	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	385	0	0	0	0	0	0	0	0	0	0	0	0	385	
610-Expenses - General	1,282	855	234	123	69	-2,080	1,490	680	172	1,140	146	104	-1,004	3,211	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	-144,339	-3,037	-831	-436	-245	7,392	-5,294	-2,415	-613	-4,053	-518	-371	3,567	-151,192	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	3,318	125	34	18	10	-304	224	99	25	167	23	15	-147	3,609	
914-Pension and Benefits Load	12,324	435	119	62	35	-1,059	779	346	88	581	81	53	-511	13,333	
915-Injuries and Damages Load	3,267	99	27	14	8	-241	178	79	20	132	18	12	-117	3,497	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	5,000	227	62	32	18	-552	395	180	46	302	39	28	-266	5,511	
922-Minor Material Load	2,488	0	0	0	0	0	0	0	0	0	0	0	0	2,488	
925-E and S Loads	22,041	938	257	134	76	-2,282	1,655	746	189	1,251	167	115	-1,101	24,185	
926-A and G Loads	7,133	284	78	41	23	-691	500	226	57	379	50	35	-333	7,780	
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	9,590	3,295	902	473	265	-8,020	5,877	2,621	665	4,397	605	403	-3,870	17,203	
825-Clearings	-33,407	-339	-562	-1,328	-377	635	-89	-451	-391	-464	-675	-3,715	-16	-41,179	
Clr Sum	-33,407	-339	-562	-1,328	-377	635	-89	-451	-391	-464	-675	-3,715	-16	-41,179	
Proj Net	-23,816	2,956	340	-855	-112	-7,385	5,789	2,170	274	3,933	-71	-3,312	-3,885	-23,977	

***Project No: 30000207 Line Extension - Commercial***

Company: 001-Electric Services  
Location: 300 Distribution

Project Information

Construction Start Date                      1/1/2017                      Estimated Completion Date

List Interim In-Service Dates

This project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

This project is necessary to meet PNM’s obligation to serve new customers and provides for the installation of distribution line extensions necessary to serve new or expanding non-residential customers.

Project Alternatives

Because this project is necessary for PNM to serve new customers, there are no alternatives to conducting this work. Nonetheless, line extension options for each new service request are evaluated individually taking into account many factors such as available capacity on existing lines, route distances, customer preferences, and right-of way requirements, per PNM Rule 15. The best method for the extension is selected based on a balance of cost, timing, and efficacy.

Technical Aspects

Line extensions are designed to the minimum system requirements in accordance with PNM Rule 15. Physical components include but are not limited to primary wires, secondary wires, wood or steel poles and other supporting structures, trenches, switchgear, and duct-bank systems.

Project Estimate Approach

Historical spend in this funding project was analyzed to develop this project’s estimated spend. This blanket’s project spend forecast is prepared by escalating the most recent 12-month actual spend (July 2015-June 2016) by the second quarter reforecast (Q2RF) of expected customer growth provided by PNM Strategic Marketing & Product Management expressed as the percentage change in number of new customers year-over-year.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	30000207	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	146,987		0	300	0	847	537	200	148,871		
	120-Overtime-General	7,716		0	9	14	0	67	61	7,867		
	350-Material Issues-Major	230,134		0	500	500	500	500	500	232,634		
	370-Outside Services	169,717		0	0	0	0	0	0	169,717		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	6,107		0	0	0	0	0	0	6,107		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	825		0	0	0	0	0	0	825		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-655,316		1,800	-2,231	-3,500	500	-1,550	-3,000	-663,298		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	12,926		0	24	1	67	48	21	13,086		
	914-Pension and Benefits Load	49,426		0	93	4	254	181	78	50,035		
	915-Injuries and Damages Load	12,796		0	20	1	55	39	17	12,929		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	28,394		0	56	56	56	56	56	28,672		
	922-Minor Material Load	17,457		0	0	0	0	0	0	17,457		
	925-E and S Loads	117,849		0	175	96	319	254	162	118,855		
	926-A and G Loads	42,161		0	67	43	112	92	63	42,538		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	187,180		1,800	-987	-2,785	2,709	223	-1,842	186,297		
	825-Clearings	-281,523		-2,260	-1,773	-1,089	-1,332	-1,166	-715	-289,858		
	Cir Sum	-281,523		-2,260	-1,773	-1,089	-1,332	-1,166	-715	-289,858		
	Proj Net	-94,344		-460	-2,760	-3,874	1,377	-943	-2,557	-103,561		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	30000207	Year	2017											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	148,871	1,871	1,304	1,106	1,000	1,000	1,000	1,000	1,000	114	260	-37	-4	158,484
120-Overtime-General	7,867	56	9	0	0	0	76	0	0	0	25	0	0	8,034
350-Material Issues-Major	232,634	4,447	1,522	1,000	5,000	5,000	5,000	4,800	4,800	4,800	3,500	14	-3	272,515
370-Outside Services	169,717	0	0	0	0	0	0	0	0	0	0	0	0	169,717
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	6,107	0	0	0	0	0	0	0	0	0	0	0	0	6,107
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	825	0	0	0	0	0	0	0	0	0	0	0	0	825
610-Expenses - General	0	0	0	274	448	362	357	187	19	15	62	7	17	1,749
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-663,298	-2,983	-3,016	-8,328	-2,504	-647	-1,771	-1,242	13	-946	-636	127	340	-684,889
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	13,086	151	103	87	78	78	84	78	78	9	22	-3	0	13,853
914-Pension and Benefits Load	50,035	526	358	302	273	273	294	273	273	31	78	-10	-1	52,704
915-Injuries and Damages Load	12,929	120	82	69	62	62	67	62	62	7	18	-2	0	13,537
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	28,672	769	263	173	865	865	865	830	830	830	606	2	0	35,572
922-Minor Material Load	17,457	0	0	0	0	0	0	0	0	0	0	0	0	17,457
925-E and S Loads	118,855	1,377	649	545	1,317	1,301	1,321	1,229	1,197	955	761	-6	2	129,502
926-A and G Loads	42,538	428	191	160	433	428	432	402	391	331	259	-1	1	45,993
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	186,297	6,764	1,465	-4,613	6,973	8,722	7,726	7,621	8,664	6,147	4,954	91	350	241,160
825-Clearings	-289,858	-1,622	-1,598	-891	-2,312	-2,872	-3,255	-2,031	-2,814	-4,158	-5,548	-2,809	-18,856	-338,624
Clr Sum	-289,858	-1,622	-1,598	-891	-2,312	-2,872	-3,255	-2,031	-2,814	-4,158	-5,548	-2,809	-18,856	-338,624
Proj Net	-103,561	5,142	-134	-5,504	4,662	5,851	4,471	5,590	5,850	1,989	-594	-2,718	-18,506	-97,464

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	30000207	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	158,484	940	1,370	1,500	1,163	1,409	1,718	629	1,500	1,200	1,111	500	456	171,980
120-Overtime-General	8,034	0	0	0	0	0	0	0	0	0	0	0	0	8,034
350-Material Issues-Major	272,515	1,162	1,838	456	216	85	-453	266	125	35	373	256	-757	276,118
370-Outside Services	169,717	0	0	0	0	0	0	0	0	0	0	0	0	169,717
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	6,107	0	0	0	0	0	0	0	0	0	0	0	0	6,107
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	825	0	0	0	0	0	0	0	0	0	0	0	0	825
610-Expenses - General	1,749	668	323	862	243	612	731	243	879	1,281	483	201	1,012	9,288
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-684,889	-2,983	-3,500	-8,328	-4,500	-4,000	-1,771	-1,242	-4,000	-946	-636	-100	-500	-717,394
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	13,853	74	107	118	91	110	135	49	118	94	87	39	36	14,911
914-Pension and Benefits Load	52,704	257	374	409	317	384	469	172	409	327	303	136	124	56,387
915-Injuries and Damages Load	13,537	58	85	93	72	88	107	39	93	75	69	31	28	14,376
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	35,572	201	318	79	37	15	-78	46	22	6	65	44	-131	36,195
922-Minor Material Load	17,457	0	0	0	0	0	0	0	0	0	0	0	0	17,457
925-E and S Loads	129,502	607	787	660	404	516	520	268	600	578	466	223	173	135,304
926-A and G Loads	45,993	186	237	189	109	141	134	76	168	169	132	64	48	47,649
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	241,160	1,170	1,940	-3,962	-1,847	-640	1,512	548	-86	2,821	2,453	1,395	489	246,954
825-Clearings	-338,624	-1,412	-2,944	-991	-462	-170	-350	-197	-194	-562	-1,018	-639	-4,553	-352,115
Clr Sum	-338,624	-1,412	-2,944	-991	-462	-170	-350	-197	-194	-562	-1,018	-639	-4,553	-352,115
Proj Net	-97,464	-241	-1,004	-4,952	-2,309	-809	1,162	350	-279	2,258	1,435	757	-4,064	-105,160

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***Project No: 30000507 Lighting \$671 (\$1,636) \$671***

Company: 001-Electric Services  
Location: 300 Distribution

Project Information

Construction Start Date 1/1/2015 Estimated Completion Date

List Interim In-Service Dates

Monthly clearings occur every year.

Project Need Justification

This project provides for the installation of street lighting and floodlighting systems under contract with any municipal corporation or other subdivision within the State of New Mexico in accordance with PNM Rate Schedule 20 - Integrated System Streetlighting and Floodlighting Service – New Installations. This project also includes the removal costs of private area lighting installed under PNM Rate Schedule 6 - Private Area Lighting Service. Costs include internal labor, materials, contractor costs, and transportation.

Project Alternatives

There are no other alternatives, PNM is contractually required to honor installation requests under PNM Rate 20. Under Rate 20 customers have the option to own streetlights and pay PNM or a contractor for their installation, or to request that PNM install and own the lights. The customer specifies the location of the lights, and the light type from Rate Schedule 20. The net costs under the project for PNM owned street lights include the installation of 150 feet of service wire and the luminaire. All other streetlight installation costs are paid by the customer. Under Rate Schedule 6 and the terms of the Agreement for Lighting Service thereunder, private lights are removeat the customer’s request and at PNM’s costs. These costs are also included in this project.

Technical Aspects

This project includes the installation of street lighting and the removal of private lighting equipment including poles, light fixtures, wiring, and ancillary lighting equipment. The street lighting and floodlighting systems that are installed adhere to PNM equipment standards provided in Rate Schedule 20 to ensure ease of future maintenance.

Project Estimate Approach

N/A



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	30000507	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	2,320		0	0	0	0	0	0	2,320		
	120-Overtime-General	0		0	0	0	0	0	0	0		
	350-Material Issues-Major	1,619		0	0	0	0	0	0	1,619		
	370-Outside Services	0		0	0	0	0	0	0	0		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	217		0	0	0	0	0	0	217		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-6,994		0	0	0	0	0	0	-6,994		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	199		0	0	0	0	0	0	199		
	914-Pension and Benefits Load	729		0	0	0	0	0	0	729		
	915-Injuries and Damages Load	192		0	0	0	0	0	0	192		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	58		0	0	0	0	0	0	58		
	922-Minor Material Load	43		0	0	0	0	0	0	43		
	925-E and S Loads	852		0	0	0	0	0	0	852		
	926-A and G Loads	293		0	0	0	0	0	0	293		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	-472		0	0	0	0	0	0	-472		
	825-Clearings	1,678		-671	0	0	0	0	0	1,007		
	Cir Sum	1,678		-671	0	0	0	0	0	1,007		
Proj Net		1,206		-671	0	0	0	0	0	535		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	30000507	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	2,320	0	0	0	0	0	0	0	0	0	0	0	0	2,320
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	1,619	0	0	0	0	0	0	0	0	0	0	0	0	1,619
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	217	0	0	0	0	0	0	0	0	0	0	0	0	217
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	-6,994	0	0	0	0	0	0	0	0	0	0	0	0	-6,994
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	199	0	0	0	0	0	0	0	0	0	0	0	0	199
	914-Pension and Benefits Load	729	0	0	0	0	0	0	0	0	0	0	0	0	729
	915-Injuries and Damages Load	192	0	0	0	0	0	0	0	0	0	0	0	0	192
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	58	0	0	0	0	0	0	0	0	0	0	0	0	58
	922-Minor Material Load	43	0	0	0	0	0	0	0	0	0	0	0	0	43
	925-E and S Loads	852	0	0	0	0	0	0	0	0	0	0	0	0	852
	926-A and G Loads	293	0	0	0	0	0	0	0	0	0	0	0	0	293
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	-472	0	0	0	0	0	0	0	0	0	0	0	0	-472
	825-Clearings	1,007	0	0	0	0	0	0	0	0	0	0	0	0	1,007
	Clr Sum	1,007	0	0	0	0	0	0	0	0	0	0	0	0	1,007
	Proj Net	535	0	0	0	0	0	0	0	0	0	0	0	0	535

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	30000507	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	2,320	0	0	0	0	0	0	0	0	0	0	0	0	2,320
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	1,619	0	0	0	0	0	0	0	0	0	0	0	0	1,619
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	217	0	0	0	0	0	0	0	0	0	0	0	0	217
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		-6,994	0	0	0	0	0	0	0	0	0	0	0	0	-6,994
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	199	0	0	0	0	0	0	0	0	0	0	0	0	199
	914-Pension and Benefits Load	729	0	0	0	0	0	0	0	0	0	0	0	0	729
	915-Injuries and Damages Load	192	0	0	0	0	0	0	0	0	0	0	0	0	192
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	58	0	0	0	0	0	0	0	0	0	0	0	0	58
	922-Minor Material Load	43	0	0	0	0	0	0	0	0	0	0	0	0	43
	925-E and S Loads	852	0	0	0	0	0	0	0	0	0	0	0	0	852
	926-A and G Loads	293	0	0	0	0	0	0	0	0	0	0	0	0	293
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	-472	0	0	0	0	0	0	0	0	0	0	0	0	-472
	825-Clearings	1,007	0	0	0	0	0	0	0	0	0	0	0	0	1,007
	Clr Sum	1,007	0	0	0	0	0	0	0	0	0	0	0	0	1,007
Proj Net		535	0	0	0	0	0	0	0	0	0	0	0	0	535

**Project No: 30000607 Distr. Remove & Replace**

Company: 001-Electric Services  
Location: 300 Distribution

Project Information

Construction Start Date 1/1/2017 Estimated Completion Date

List Interim In-Service Dates

This project consists of individual work orders placed in service at various times throughout the year as determined by governmental road widening schedules and the occurrence of significant storms.

Project Need Justification

This project is primarily for replacing storm damaged equipment within the service area and other replacements as a result of government-led roadway improvement projects. The work is required under franchise agreements or as necessary for maintaining system integrity, restoring power after storms, and for the safe and reliable operation of the distribution facilities.

Project Alternatives

These projects are a result of government franchise agreements and/or to repair storm-damaged facilities. Therefore, limits project alternatives available. In most cases, work will involve the replacement of like for like equipment. Other configurations will be evaluated on a case-by-case basis taking into account the best options available.

Technical Aspects

This project includes relocation of electric distribution facilities in road rights-of-way and also the removal and replacement of existing electric distribution facilities that have been damaged during storms or deteriorated through normal aging. Work will include the design, installation, and removal of wire, poles, pole hardware (including insulators, cross arms, cut outs, anchor assemblies, overhead and underground switches, protection equipment, underground cable and conduits) and other equipment.

Project Estimate Approach

The activities for this project include governmental roadway improvement projects, replacement of storm damaged facilities and customer requested relocation. Historical spend in this funding project is analyzed to develop the estimated spend. The initial budget for this project is developed by applying escalators to the actual 12 months spend ending May 2014. The annual spend rate ending in May 2014 was much higher than usual due to a large storm event in 2013 and large roadway improvement projects during that time period. Thus the initial budget was scaled back to reflect a more moderate spend rate experienced in years prior to 2014.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	30000607	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	89,042			324	207	426	381	206	119	90,705		
120-Overtime-General	28,202			55	35	56	39	13	13	28,413		
350-Material Issues-Major	99,041			65	66	109	55	21	43	99,400		
370-Outside Services	40,870			39	29	61	32	14	21	41,066		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	8,455			0	0	0	0	0	0	8,455		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	112			0	0	0	0	0	0	112		
610-Expenses - General	0			365	436	262	199	95	124	1,481		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	-129,635			5	2	9	2	1	2	-129,614		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	9,568			30	19	38	33	17	10	9,716		
914-Pension and Benefits Load	36,432			113	72	144	126	66	40	36,993		
915-Injuries and Damages Load	9,909			25	16	31	27	14	9	10,032		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	7,886			7	7	12	6	2	5	7,926		
922-Minor Material Load	5,376			0	0	0	0	0	0	5,376		
925-E and S Loads	60,795			188	163	209	165	83	70	61,672		
926-A and G Loads	18,378			71	64	76	59	29	27	18,703		
928-AFUDC Debt Reg	5			0	0	0	0	0	0	5		
929-AFUDC - Equity Regular	1			0	0	0	0	0	0	1		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	284,437			1,287	1,117	1,433	1,124	561	482	290,441		
825-Clearings	-346,581			-3,563	-3,074	-2,746	-2,422	-2,049	-1,736	-362,171		
Cir Sum	-346,581			-3,563	-3,074	-2,746	-2,422	-2,049	-1,736	-362,171		
Proj Net	-62,144			-2,277	-1,957	-1,312	-1,297	-1,488	-1,254	-71,731		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	30000607	Year	2017											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	90,705	84	1,278	353	1,036	442	498	1,307	1,727	787	1,260	930	-1,176	99,232
120-Overtime-General	28,413	6	86	24	69	30	33	87	116	53	84	62	-79	28,984
350-Material Issues-Major	99,400	72	1,107	306	898	383	431	1,133	1,497	682	1,092	806	-1,019	106,789
370-Outside Services	41,066	9	142	39	115	49	55	145	192	87	140	103	-130	42,012
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	8,455	1	12	3	10	4	5	12	16	8	12	9	-11	8,536
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	112	0	0	0	0	0	0	0	0	0	0	0	0	112
610-Expenses - General	1,481	54	829	229	672	287	323	848	1,121	511	818	604	-763	7,015
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-129,614	-8	-118	-33	-96	-41	-46	-121	-160	-73	-117	-86	109	-130,403
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	9,716	7	107	30	87	37	42	109	144	66	105	78	-98	10,429
914-Pension and Benefits Load	36,993	24	372	103	302	129	145	381	503	229	367	271	-342	39,475
915-Injuries and Damages Load	10,032	6	85	23	69	29	33	87	115	52	84	62	-78	10,597
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	7,926	13	192	53	155	66	75	196	259	118	189	139	-176	9,204
922-Minor Material Load	5,376	0	0	0	0	0	0	0	0	0	0	0	0	5,376
925-E and S Loads	61,672	50	771	213	625	267	300	789	1,043	475	761	562	-710	66,820
926-A and G Loads	18,703	15	232	64	188	80	90	237	314	143	229	169	-214	20,252
928-AFUDC Debt Reg	5	0	0	0	0	0	0	0	0	0	0	0	0	5
929-AFUDC - Equity Regular	1	0	0	0	0	0	0	0	0	0	0	0	0	1
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	290,441	333	5,094	1,407	4,131	1,764	1,984	5,212	6,886	3,139	5,024	3,709	-4,687	324,436
825-Clearings	-362,171	-1,965	-4,683	-3,208	-8,052	-1,580	-1,532	-1,817	-1,972	-7,985	-4,494	-3,144	-506	-403,110
Clr Sum	-362,171	-1,965	-4,683	-3,208	-8,052	-1,580	-1,532	-1,817	-1,972	-7,985	-4,494	-3,144	-506	-403,110
Proj Net	-71,731	-1,631	411	-1,802	-3,921	183	452	3,394	4,913	-4,846	530	565	-5,193	-78,674

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	30000607	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	99,232	100	1,525	421	1,236	528	594	1,560	2,061	940	1,504	1,110	-1,403	109,407
120-Overtime-General	28,984	7	102	28	83	35	40	104	138	63	101	74	-94	29,664
350-Material Issues-Major	106,789	86	1,315	363	1,066	455	512	1,345	1,777	810	1,297	957	-1,210	115,563
370-Outside Services	42,012	11	168	46	136	58	66	172	227	104	166	123	-155	43,135
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	8,536	1	14	4	12	5	6	15	20	9	14	11	-13	8,632
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	112	0	0	0	0	0	0	0	0	0	0	0	0	112
610-Expenses - General	7,015	64	985	272	798	341	383	1,007	1,331	607	971	717	-906	13,586
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-130,403	-9	-140	-39	-114	-49	-55	-144	-190	-87	-138	-102	129	-131,340
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	10,429	8	128	35	103	44	50	130	172	79	126	93	-117	11,280
914-Pension and Benefits Load	39,475	29	444	123	360	154	173	454	600	274	438	323	-408	42,438
915-Injuries and Damages Load	10,597	7	101	28	82	35	39	104	137	62	100	74	-93	11,273
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	9,204	15	227	63	184	79	89	233	307	140	224	166	-209	10,722
922-Minor Material Load	5,376	0	0	0	0	0	0	0	0	0	0	0	0	5,376
925-E and S Loads	66,820	60	918	253	744	318	358	939	1,241	566	905	668	-845	72,946
926-A and G Loads	20,252	18	276	76	224	96	108	282	373	170	272	201	-254	22,094
928-AFUDC Debt Reg	5	0	0	0	0	0	0	0	0	0	0	0	0	5
929-AFUDC - Equity Regular	1	0	0	0	0	0	0	0	0	0	0	0	0	1
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	324,436	397	6,062	1,674	4,916	2,099	2,361	6,202	8,195	3,736	5,980	4,414	-5,578	364,895
825-Clearings	-403,110	-107	-2,858	-2,325	-7,758	-1,881	-1,823	-2,163	-2,347	-9,503	-5,349	-3,741	-602	-443,569
Clr Sum	-403,110	-107	-2,858	-2,325	-7,758	-1,881	-1,823	-2,163	-2,347	-9,503	-5,349	-3,741	-602	-443,569
Proj Net	-78,674	290	3,204	-651	-2,842	218	538	4,040	5,847	-5,767	631	673	-6,180	-78,674

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***Project No: 30000707 Distr. system Improvements***

Company: 001-Electric Services  
Location: 300 Distribution

Project Information

<u>Construction Start Date</u>	1/1/2017	<u>Estimated Completion Date</u>
<u>List Interim In-Service Dates</u>		

This project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

Annual load analysis and modeling of the distribution system identified possible operational issues caused by normal load growth and obsolete/problematic equipment, which will necessitate improvements and line extensions to serve new customers. These improvements are necessary to meet the standards for service as required of New Mexico Administrative Code (NMAC) Rule 17.9.560.15.

Project Alternatives

Alternatives are evaluated on a case-by case basis. This usually involves analysis by PNM’s Distribution Planning or Distribution Protection departments using simulation models of the distribution system. With these models, engineers will evaluate different equipment or configuration alternatives to arrive at the best solutions for maintaining adequate voltage to all customers, enhance reliability and ensure the most cost effective and practical solution.

Technical Aspects

This project provides for numerous small distribution facility improvements including the design and installation of conduit systems, cable, wire, poles, overhead and underground switches, voltage and power factor supporting devices, and protection equipment. Further system improvements include new capacitor banks, voltage regulators, protective devices, upgraded wires and supervisory control and data acquisitions (SCADA) devices.

Project Estimate Approach

Historical spend in this funding project is analyzed to develop this project’s estimated spend. The initial budget for this project is developed by applying escalators to the actual 12 months spend ending May 2014. The annual spend rate ending in May 2014 was higher than usual due to the need to replace vandalized pole grounds during that time period. Thus the initial budget was scaled back to reflect a spend rate more consistent with that in years prior to 2014.



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	30000707	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	43,019		951	277	1,390	339	218	270	46,464		
	120-Overtime-General	3,206		43	40	43	21	17	8	3,378		
	350-Material Issues-Major	78,766		428	442	539	283	386	273	81,117		
	370-Outside Services	42,604		1,284	1,492	893	823	789	604	48,489		
	374-Outside Svcs Legal	0		357	434	297	124	306	187	1,705		
	377-Outside Services-Temp Labor	1,514		0	0	0	0	0	0	1,514		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	2		0	0	0	0	0	0	2		
	610-Expenses - General	0		274	333	227	95	235	143	1,307		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	-72	-71	-69	-212		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	3,786		78	25	113	28	18	22	4,070		
	914-Pension and Benefits Load	14,670		298	95	429	108	70	83	15,753		
	915-Injuries and Damages Load	3,852		65	21	93	23	15	18	4,088		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	8,963		48	49	60	31	43	30	9,224		
	922-Minor Material Load	5,763		0	0	0	0	0	0	5,763		
	925-E and S Loads	34,357		699	584	744	341	380	298	37,403		
	926-A and G Loads	13,689		278	251	282	140	162	124	14,926		
	928-AFUDC Debt Reg	2,974		22	28	33	35	34	33	3,158		
	929-AFUDC - Equity Regular	3,357		24	30	35	37	37	36	3,556		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	260,521		4,848	4,101	5,178	2,358	2,641	2,059	281,705		
	825-Clearings	-290,389		-2,095	-2,436	-2,902	-2,810	-2,781	-2,658	-306,072		
	Clr Sum	-290,389		-2,095	-2,436	-2,902	-2,810	-2,781	-2,658	-306,072		
	Proj Net	-29,868		2,753	1,664	2,276	-452	-140	-599	-24,367		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	30000707	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	46,464	97	173	288	1,489	155	-350	1,011	1,230	273	-17	494	525	51,832	
120-Overtime-General	3,378	2	3	5	25	3	-6	17	21	5	0	8	9	3,469	
350-Material Issues-Major	81,117	48	85	142	732	76	-172	497	604	134	-8	243	258	83,755	
370-Outside Services	48,489	13	24	40	205	21	-48	139	169	38	-2	68	72	49,226	
374-Outside Svcs Legal	1,705	0	0	0	0	0	0	0	0	0	0	0	0	1,705	
377-Outside Services-Temp Labor	1,514	0	0	0	0	0	0	0	0	0	0	0	0	1,514	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	2	0	0	0	0	0	0	0	0	0	0	0	0	2	
610-Expenses - General	1,307	48	85	142	733	76	-172	497	605	135	-8	243	258	3,948	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-212	-80	-2	0	0	0	0	0	0	0	0	0	0	-293	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	4,070	8	14	23	119	12	-28	81	98	22	-1	39	42	4,498	
914-Pension and Benefits Load	15,753	27	48	80	413	43	-97	281	341	76	-5	137	146	17,243	
915-Injuries and Damages Load	4,088	6	11	18	94	10	-22	64	78	17	-1	31	33	4,428	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	9,224	8	15	24	127	13	-30	86	105	23	-1	42	45	9,680	
922-Minor Material Load	5,763	0	0	0	0	0	0	0	0	0	0	0	0	5,763	
925-E and S Loads	37,403	48	85	141	731	76	-172	497	604	134	-8	243	258	40,040	
926-A and G Loads	14,926	14	25	41	214	22	-50	145	177	39	-2	71	75	15,697	
928-AFUDC Debt Reg	3,158	34	1	2	9	11	8	9	17	21	18	17	19	3,323	
929-AFUDC - Equity Regular	3,556	45	1	3	12	15	11	12	22	27	24	23	24	3,773	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	281,705	318	566	950	4,901	535	-1,128	3,334	4,069	944	-12	1,659	1,762	299,604	
825-Clearings	-306,072	-13,297	-107	-462	-1,734	-938	-825	-774	-958	-1,377	-1,112	-1,276	-4,568	-333,501	
Clr Sum	-306,072	-13,297	-107	-462	-1,734	-938	-825	-774	-958	-1,377	-1,112	-1,276	-4,568	-333,501	
Proj Net	-24,367	-12,979	458	488	3,167	-403	-1,953	2,560	3,112	-433	-1,124	383	-2,806	-33,897	

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	30000707	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	51,832	99	176	294	1,519	158	-357	1,031	1,254	279	-17	504	535	57,307
120-Overtime-General	3,469	2	3	5	26	3	-6	17	21	5	0	9	9	3,562
350-Material Issues-Major	83,755	49	86	144	743	77	-174	504	613	136	-8	246	262	86,432
370-Outside Services	49,226	14	24	40	208	22	-49	141	172	38	-2	69	73	49,975
374-Outside Svcs Legal	1,705	0	0	0	0	0	0	0	0	0	0	0	0	1,705
377-Outside Services-Temp Labor	1,514	0	0	0	0	0	0	0	0	0	0	0	0	1,514
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	2	0	0	0	0	0	0	0	0	0	0	0	0	2
610-Expenses - General	3,948	49	86	144	744	77	-175	505	614	137	-8	247	262	6,629
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
829-Construction Adjustment	-293	0	0	0	0	0	0	0	0	0	0	0	0	-293
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	4,498	8	14	23	121	13	-28	82	100	22	-1	40	43	4,935
914-Pension and Benefits Load	17,243	28	49	82	421	44	-99	286	348	77	-5	140	148	18,762
915-Injuries and Damages Load	4,428	6	11	19	96	10	-23	65	79	18	-1	32	34	4,774
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	9,680	8	15	25	128	13	-30	87	106	24	-1	43	45	10,144
922-Minor Material Load	5,763	0	0	0	0	0	0	0	0	0	0	0	0	5,763
925-E and S Loads	40,040	49	86	144	744	78	-175	505	615	137	-8	247	262	42,723
926-A and G Loads	15,697	14	25	42	218	23	-51	148	180	40	-2	72	77	16,482
928-AFUDC Debt Reg	3,323	9	1	2	9	12	8	9	17	21	18	18	19	3,467
929-AFUDC - Equity Regular	3,773	8	1	2	8	10	8	8	15	19	17	16	17	3,902
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	299,604	342	577	966	4,985	539	-1,151	3,390	4,134	952	-20	1,681	1,786	317,785
825-Clearings	-333,501	-3,790	-110	-470	-1,764	-953	-837	-787	-973	-1,398	-1,127	-1,294	-4,631	-351,635
Clr Sum	-333,501	-3,790	-110	-470	-1,764	-953	-837	-787	-973	-1,398	-1,127	-1,294	-4,631	-351,635
Proj Net	-33,897	-3,448	468	495	3,221	-414	-1,988	2,603	3,162	-446	-1,147	387	-2,845	-33,850

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***Project No: 30034007 Tools & Equipment***

Company: 001-Electric Services  
Location: 300 Distribution

Project Information

Construction Start Date                      1/1/2016                      Estimated Completion Date

List Interim In-Service Dates

Clearings are expected to be completed quarterly, including: 03-16, 06-16, 09-16, 12-16.

Project Need Justification

This project funds the purchase of tools and equipment to replace defective and broken equipment and is necessary to ensure Line Staff is able to perform work safely and effectively.

Project Alternatives

No alternatives exist for this project. Not purchasing the equipment, will directly affect the ability of PNM employees conducting distribution work, potentially increasing costs as time and effort required to perform work will increase. Specific alternatives as to the type of tools and equipment purchased will be evaluated at the time of replacement.

Technical Aspects

The tools and equipment to be purchased include but are not limited to, magnetic drill press, hydraulic paving breaker, streamline robo-crimp, phasing sets, and cable cutters.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	30034007	Year	2016									
Cost Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	81			0	0	0	0	0	0	81		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	2,692			0	0	0	0	0	0	2,692		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	1,935	0	0	1,935		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-6	-6	-6	-19		
426-Capitalized Interest	96			11	11	2	6	10	11	146		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	7			0	0	0	0	0	0	7		
914-Pension and Benefits Load	27			0	0	0	0	0	0	27		
915-Injuries and Damages Load	8			0	0	0	0	0	0	8		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	300			0	0	0	0	0	0	300		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	184			0	0	0	0	0	0	184		
926-A and G Loads	1,512			0	0	0	161	0	0	1,673		
928-AFUDC Debt Reg	446			0	0	0	0	0	0	446		
929-AFUDC - Equity Regular	74			0	0	0	0	0	0	74		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	5,427			11	11	2	2,096	4	4	7,555		
825-Clearings	-21,651			0	-1,890	0	0	0	-2,579	-26,120		
Clr Sum	-21,651			0	-1,890	0	0	0	-2,579	-26,120		
Proj Net	-16,224			11	-1,880	2	2,096	4	-2,575	-18,566		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	30034007	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	81	0	0	0	0	0	0	0	0	0	0	0	0	81
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	2,692	0	0	0	0	0	0	0	0	0	0	0	0	2,692
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	1,935	0	0	0	0	0	1,948	0	0	0	1,950	0	0	5,833
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-19	0	0	0	0	0	0	0	0	0	0	0	0	-19
	426-Capitalized Interest	146	0	0	0	0	0	4	9	9	9	6	10	11	205
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	7	0	0	0	0	0	0	0	0	0	0	0	0	7
	914-Pension and Benefits Load	27	0	0	0	0	0	0	0	0	0	0	0	0	27
	915-Injuries and Damages Load	8	0	0	0	0	0	0	0	0	0	0	0	0	8
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	300	0	0	0	0	0	0	0	0	0	0	0	0	300
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	184	0	0	0	0	0	0	0	0	0	0	0	0	184
	926-A and G Loads	1,673	0	0	0	0	0	131	0	0	0	131	0	0	1,935
	928-AFUDC Debt Reg	446	0	0	0	0	0	0	0	0	0	0	0	0	446
	929-AFUDC - Equity Regular	74	0	0	0	0	0	0	0	0	0	0	0	0	74
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	7,555	0	0	0	0	0	2,083	9	9	9	2,087	10	11	11,773
	825-Clearings	-26,120	0	0	0	0	0	0	0	0	-1,688	0	0	-2,531	-30,339
	Clr Sum	-26,120	0	0	0	0	0	0	0	0	-1,688	0	0	-2,531	-30,339
Proj Net		-18,566	0	0	0	0	0	2,083	9	9	-1,679	2,087	10	-2,520	-18,566

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	30034007	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	81	0	0	0	0	0	0	0	0	0	0	0	0	81
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	2,692	0	0	0	0	0	0	0	0	0	0	0	0	2,692
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	5,833	0	0	0	0	0	1,975	0	0	0	1,997	0	0	9,805
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-19	0	0	0	0	0	0	0	0	0	0	0	0	-19
	426-Capitalized Interest	205	0	0	0	0	0	4	8	8	1	5	9	9	249
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	7	0	0	0	0	0	0	0	0	0	0	0	0	7
	914-Pension and Benefits Load	27	0	0	0	0	0	0	0	0	0	0	0	0	27
	915-Injuries and Damages Load	8	0	0	0	0	0	0	0	0	0	0	0	0	8
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	300	0	0	0	0	0	0	0	0	0	0	0	0	300
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	184	0	0	0	0	0	0	0	0	0	0	0	0	184
	926-A and G Loads	1,935	0	0	0	0	0	133	0	0	0	134	0	0	2,202
	928-AFUDC Debt Reg	446	0	0	0	0	0	0	0	0	0	0	0	0	446
	929-AFUDC - Equity Regular	74	0	0	0	0	0	0	0	0	0	0	0	0	74
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	11,773	0	0	0	0	0	2,112	8	8	1	2,137	9	9	16,056
	825-Clearings	-30,339	0	0	0	0	0	0	0	-1,702	0	0	0	-2,581	-34,622
	Clr Sum	-30,339	0	0	0	0	0	0	0	-1,702	0	0	0	-2,581	-34,622
	Proj Net	-18,566	0	0	0	0	0	2,112	8	-1,694	1	2,137	9	-2,572	-18,566

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***Project No: 41000407 Santa Fe Line Extensions - Misc***

Company: 001-Electric Services  
Location: 410 Distribution

Project Information

<u>Construction Start Date</u>	1/1/2016	<u>Estimated Completion Date</u>
<u>List Interim In-Service Dates</u>		
N/A		

Project Need Justification

This funding project provides temporary service for lines which will remain in service for less than one year. This is typically requested of contractors for supplying power during construction of residential, commercial, industrial buildings, or facilities prior to the permanent service being provided.

Project Alternatives

There are no other alternatives for this project, PNM must respond and complete all customer service requests of this nature. Each customer request is evaluated independently with the goal of providing the minimum cost extension to provide the service requested. The customer has the option to provide their own source of power from generators should PNM’s cost of temporary power be too high. The customer is responsible for the cost of both the installation and removal of the equipment necessary for the temporary power.

Technical Aspects

Providing temporary service can include the installation and removal of poles, wire, and transformers.

Project Estimate Approach



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	41000407	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	6,718			0	0	0	0	0	0	6,718		
120-Overtime-General	455			0	0	0	0	0	0	455		
350-Material Issues-Major	3,616			0	0	0	0	0	0	3,616		
370-Outside Services	209			0	0	0	0	0	0	209		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	-21,810			0	0	0	0	0	0	-21,810		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	590			0	0	0	0	0	0	590		
914-Pension and Benefits Load	2,167			0	0	0	0	0	0	2,167		
915-Injuries and Damages Load	600			0	0	0	0	0	0	600		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	211			0	0	0	0	0	0	211		
922-Minor Material Load	219			0	0	0	0	0	0	219		
925-E and S Loads	2,704			0	0	0	0	0	0	2,704		
926-A and G Loads	893			0	0	0	0	0	0	893		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	-3,429			0	0	0	0	0	0	-3,429		
825-Clearings	682			-3,703	0	0	0	0	0	-3,022		
Clr Sum	682			-3,703	0	0	0	0	0	-3,022		
Proj Net	-2,748			-3,703	0	0	0	0	0	-6,451		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	41000407	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	6,718	0	0	0	0	0	0	0	0	0	0	0	0	6,718
	120-Overtime-General	455	0	0	0	0	0	0	0	0	0	0	0	0	455
	350-Material Issues-Major	3,616	0	0	0	0	0	0	0	0	0	0	0	0	3,616
	370-Outside Services	209	0	0	0	0	0	0	0	0	0	0	0	0	209
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		-21,810	0	0	0	0	0	0	0	0	0	0	0	0	-21,810
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	590	0	0	0	0	0	0	0	0	0	0	0	0	590
	914-Pension and Benefits Load	2,167	0	0	0	0	0	0	0	0	0	0	0	0	2,167
	915-Injuries and Damages Load	600	0	0	0	0	0	0	0	0	0	0	0	0	600
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	211	0	0	0	0	0	0	0	0	0	0	0	0	211
	922-Minor Material Load	219	0	0	0	0	0	0	0	0	0	0	0	0	219
	925-E and S Loads	2,704	0	0	0	0	0	0	0	0	0	0	0	0	2,704
	926-A and G Loads	893	0	0	0	0	0	0	0	0	0	0	0	0	893
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	-3,429	0	0	0	0	0	0	0	0	0	0	0	0	-3,429
	825-Clearings	-3,022	0	0	0	0	0	0	0	0	0	0	0	0	-3,022
	Clr Sum	-3,022	0	0	0	0	0	0	0	0	0	0	0	0	-3,022
Proj Net		-6,451	0	0	0	0	0	0	0	0	0	0	0	0	-6,451

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	41000407	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	6,718	0	0	0	0	0	0	0	0	0	0	0	0	6,718
	120-Overtime-General	455	0	0	0	0	0	0	0	0	0	0	0	0	455
	350-Material Issues-Major	3,616	0	0	0	0	0	0	0	0	0	0	0	0	3,616
	370-Outside Services	209	0	0	0	0	0	0	0	0	0	0	0	0	209
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	-21,810	0	0	0	0	0	0	0	0	0	0	0	0	-21,810
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	590	0	0	0	0	0	0	0	0	0	0	0	0	590
	914-Pension and Benefits Load	2,167	0	0	0	0	0	0	0	0	0	0	0	0	2,167
	915-Injuries and Damages Load	600	0	0	0	0	0	0	0	0	0	0	0	0	600
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	211	0	0	0	0	0	0	0	0	0	0	0	0	211
	922-Minor Material Load	219	0	0	0	0	0	0	0	0	0	0	0	0	219
	925-E and S Loads	2,704	0	0	0	0	0	0	0	0	0	0	0	0	2,704
	926-A and G Loads	893	0	0	0	0	0	0	0	0	0	0	0	0	893
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	-3,429	0	0	0	0	0	0	0	0	0	0	0	0	-3,429
	825-Clearings	-3,022	0	0	0	0	0	0	0	0	0	0	0	0	-3,022
	Clr Sum	-3,022	0	0	0	0	0	0	0	0	0	0	0	0	-3,022
	Proj Net	-6,451	0	0	0	0	0	0	0	0	0	0	0	0	-6,451

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***Project No: 41000507 Lighting \$20,882 (\$4,440) \$20,882***

Company: 001-Electric Services  
Location: 410 Distribution

Project Information

Construction Start Date 1/1/2012 Estimated Completion Date

List Interim In-Service Dates

Interim in-service dates are as follows: 01-12,02-12,03-12,04-12,05-12,06-12,07-12,08-12,09-12,10-12,11-12,12-12. Monthly clearings will occur every year thereafter.

Project Need Justification

This project provides the funds necessary to meet PNM's contractual obligations with municipal corporations and subdivisions within the state of New Mexico to install street-lighting and floodlighting systems in accordance with PNM Rate Schedule 20 Integrated System Street-lighting and Floodlighting Service – New Installations and PNM Rate Schedule 6 Private Area Lighting Service.

Project Alternatives

There are no other alternative methods for this project. Under Rate Schedule 20, customers have the option to own streetlights and pay PNM or a contractor for their installation, or to request that PNM install and own the lights. Under Rate Schedule 6 and the terms of the Agreement for Lighting Service thereunder, private lights are removed at the customer's request and at PNM's costs. PNM must honor installation requests under PNM Rate 20.

Technical Aspects

This project includes the installation of street lighting and the removal of private lighting equipment including poles, light fixtures, wiring, and ancillary lighting equipment. Regardless of ownership, all street-lighting and floodlighting systems installed will adhere to PNM equipment standards provided in Rate Schedule 20 to ensure ease of future maintenance.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	41000507	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	2,364			0	0	0	0	0	0	2,364		
120-Overtime-General	6,365			0	0	0	0	0	0	6,365		
350-Material Issues-Major	3,477			0	0	0	0	0	0	3,477		
370-Outside Services	4,398			0	0	0	0	0	0	4,398		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	-4,405			-3,500	0	0	0	0	0	-7,905		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	611			0	0	0	0	0	0	611		
914-Pension and Benefits Load	2,410			0	0	0	0	0	0	2,410		
915-Injuries and Damages Load	582			0	0	0	0	0	0	582		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	273			0	0	0	0	0	0	273		
922-Minor Material Load	201			0	0	0	0	0	0	201		
925-E and S Loads	3,167			0	0	0	0	0	0	3,167		
926-A and G Loads	1,375			0	0	0	0	0	0	1,375		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	20,819			-3,500	0	0	0	0	0	17,319		
825-Clearings	-16,704			0	0	0	0	0	0	-16,704		
Cir Sum	-16,704			0	0	0	0	0	0	-16,704		
Proj Net	4,115			-3,500	0	0	0	0	0	615		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	41000507	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	2,364	0	206	-206	0	0	0	31	1,722	1,058	-2,009	1,360	673	5,199
	120-Overtime-General	6,365	0	27	-27	0	0	0	4	228	140	-266	180	89	6,740
	350-Material Issues-Major	3,477	0	66	-66	0	0	0	10	552	340	-645	436	216	4,386
	370-Outside Services	4,398	0	269	-269	0	0	0	40	2,247	1,381	-2,621	1,774	877	8,096
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	130	-130	0	0	0	19	1,085	667	-1,266	857	424	1,786
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	-7,905	-306	306	0	0	0	-46	-2,558	-1,572	2,985	-2,020	-999	0	-12,115
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	611	0	18	-18	0	0	0	3	153	94	-178	121	60	862
	914-Pension and Benefits Load	2,410	0	64	-64	0	0	0	10	532	327	-621	420	208	3,286
	915-Injuries and Damages Load	582	0	15	-15	0	0	0	2	121	75	-142	96	47	782
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	273	0	11	-11	0	0	0	2	96	59	-112	75	37	431
	922-Minor Material Load	201	0	0	0	0	0	0	0	0	0	0	0	0	201
	925-E and S Loads	3,167	0	153	-153	0	0	0	23	1,275	784	-1,488	1,007	498	5,266
	926-A and G Loads	1,375	0	47	-47	0	0	0	7	392	241	-457	310	153	2,020
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	17,319	-306	1,311	-1,005	0	0	-46	-2,407	6,831	8,149	-11,824	5,637	3,281	26,940
	825-Clearings	-16,704	-18	-310	-1,002	-250	-520	5	171	-280	-1,427	526	-2,240	-4,028	-26,078
	Clr Sum	-16,704	-18	-310	-1,002	-250	-520	5	171	-280	-1,427	526	-2,240	-4,028	-26,078
	Proj Net	615	-324	1,001	-2,007	-250	-520	-41	-2,236	6,551	6,722	-11,299	3,397	-746	862

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	41000507	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	5,199	0	246	-246	0	0	0	37	2,055	1,263	-2,398	1,623	802	8,581	
120-Overtime-General	6,740	0	33	-33	0	0	0	5	272	167	-317	215	106	7,187	
350-Material Issues-Major	4,386	0	78	-78	0	0	0	12	656	403	-765	518	256	5,466	
370-Outside Services	8,096	0	319	-319	0	0	0	48	2,668	1,640	-3,113	2,107	1,042	12,487	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	1,786	0	154	-154	0	0	0	23	1,288	792	-1,503	1,017	503	3,906	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	-12,115	0	-363	363	0	0	0	-54	-3,037	-1,867	3,544	-2,399	-1,186	-17,115	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	862	0	22	-22	0	0	0	3	182	112	-213	144	71	1,163	
914-Pension and Benefits Load	3,286	0	76	-76	0	0	0	11	635	390	-741	501	248	4,331	
915-Injuries and Damages Load	782	0	17	-17	0	0	0	3	145	89	-169	114	57	1,020	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	431	0	14	-14	0	0	0	2	113	70	-132	90	44	618	
922-Minor Material Load	201	0	0	0	0	0	0	0	0	0	0	0	0	201	
925-E and S Loads	5,266	0	181	-181	0	0	0	27	1,517	932	-1,770	1,198	592	7,762	
926-A and G Loads	2,020	0	56	-56	0	0	0	8	466	287	-544	368	182	2,788	
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	26,940	0	833	-833	0	0	0	125	6,960	4,278	-8,121	5,496	2,718	38,396	
825-Clearings	-26,078	-24	-317	-1,134	-283	-589	0	-9	-435	-1,255	-978	-2,546	-3,938	-37,586	
Clr Sum	-26,078	-24	-317	-1,134	-283	-589	0	-9	-435	-1,255	-978	-2,546	-3,938	-37,586	
Proj Net	862	-24	516	-1,967	-283	-589	0	116	6,525	3,023	-9,099	2,951	-1,220	810	

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***Project No: 41001207 Pole Replacement***

Company: 001-Electric Services  
Location: 410 Distribution

Project Information

Construction Start Date                      1/1/2016                      Estimated Completion Date

List Interim In-Service Dates

The project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

The NMPRC mandates that PNM keep the electric infrastructure in good repair and safe for customers and employees. Compromised integrity of wooden pole structures can affect reliability of service as well as public safety and the safety of PNM employees who may need to climb poles for maintenance. PNM regularly performs ground line tests on its distribution wood pole infrastructure to ensure the integrity of PNM’s distribution system. Wood poles that fail the tests are replaced or reinforced based on the testing results. This project covers the labor and material costs associated with the testing, replacement and repair of defective poles.

Project Alternatives

The alternatives to pole replacement include structurally reinforcing the pole, fumigating the pole and area, or applying an internal void treatment. The testing of each pole determines the condition of the pole and identifies the appropriate alternative for replacing a defective pole.

Technical Aspects

This project includes pole replacement, pole reinforcement, and fumigation. This capital blanket assures that the distribution wood pole infrastructure is replaced or reinforced based on ground line testing results. Poles are given a series of tests including visual, sounding, and borehole inspections to determine the condition of the pole and the requisite course of action.

Project Estimate Approach

This project budget is based upon a targeted 25 year pole inspection cycle and assumed failure rate of poles inspected based on past test results. The 2015 budget amount includes twice the normal yearly value to include poles not replaced in prior years.



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	41001207	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	114,050		142	1,000	1,423	35	188	2,613	119,449		
	120-Overtime-General	27,871		0	0	15	0	0	33	27,919		
	350-Material Issues-Major	97,201		2,000	2,000	2,000	2,000	0	4,019	109,220		
	370-Outside Services	421,160		0	230	0	0	0	0	421,390		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	37,463		0	0	0	0	0	0	37,463		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	1,510		0	0	0	0	0	0	1,510		
	610-Expenses - General	0		63	0	48	548	5	354	1,018		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-7,178		0	0	0	0	0	0	-7,178		
	829-Construction Adjustment	0		0	0	0	-68	-65	-65	-197		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	11,600		11	79	113	3	15	208	12,029		
	914-Pension and Benefits Load	44,298		42	299	430	10	56	792	45,929		
	915-Injuries and Damages Load	10,629		9	65	94	2	12	173	10,984		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	11,358		222	222	222	222	0	447	12,695		
	922-Minor Material Load	5,185		0	0	0	0	0	0	5,185		
	925-E and S Loads	149,510		420	680	763	481	51	1,515	153,419		
	926-A and G Loads	51,104		183	269	290	215	16	584	52,661		
	928-AFUDC Debt Reg	35,305		14	20	28	32	31	38	35,469		
	929-AFUDC - Equity Regular	13,447		15	22	30	35	34	42	13,625		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	1,024,513		3,122	4,887	5,455	3,515	343	10,753	1,052,588		
	825-Clearings	-1,169,100		-1,250	-1,832	-2,412	-2,588	-2,229	-3,593	-1,183,005		
	Cir Sum	-1,169,100		-1,250	-1,832	-2,412	-2,588	-2,229	-3,593	-1,183,005		
	Proj Net	-144,587		1,872	3,054	3,043	927	-1,886	7,160	-130,417		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	41001207	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	119,449	1,235	127	163	77	69	-78	800	656	289	157	287	191	123,421
	120-Overtime-General	27,919	0	0	0	0	0	0	0	0	0	0	0	0	27,919
	350-Material Issues-Major	109,220	372	38	49	23	21	-23	7	198	87	47	86	58	110,182
	370-Outside Services	421,390	0	0	0	0	0	0	0	0	0	0	0	0	421,390
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	37,463	0	0	0	0	0	0	0	0	0	0	0	0	37,463
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	1,510	0	0	0	0	0	0	0	0	0	0	0	0	1,510
	610-Expenses - General	1,018	675	69	89	42	38	-43	13	358	158	86	157	105	2,764
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		-7,178	0	0	0	0	0	0	0	0	0	0	0	0	-7,178
	829-Construction Adjustment	-197	-83	-1	0	0	0	0	0	0	0	0	0	0	-281
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	12,029	97	10	13	6	5	-6	63	51	23	12	22	15	12,340
	914-Pension and Benefits Load	45,929	337	35	44	21	19	-21	218	179	79	43	78	52	47,013
	915-Injuries and Damages Load	10,984	77	8	10	5	4	-5	50	41	18	10	18	12	11,231
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	12,695	64	7	8	4	4	-4	1	34	15	8	15	10	12,861
	922-Minor Material Load	5,185	0	0	0	0	0	0	0	0	0	0	0	0	5,185
	925-E and S Loads	153,419	536	55	71	33	30	-34	221	285	125	68	125	83	155,017
	926-A and G Loads	52,661	153	16	20	10	9	-10	55	81	36	19	36	24	53,109
	928-AFUDC Debt Reg	35,469	54	0	1	2	3	2	4	8	11	12	13	15	35,594
	929-AFUDC - Equity Regular	13,625	70	1	2	3	3	3	5	11	14	16	17	19	13,789
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	1,052,588	3,589	364	470	226	204	-218	1,437	1,901	854	477	854	583	1,063,329
	825-Clearings	-1,183,005	-22,451	-92	-67	-11	-61	-82	-23	-236	-300	-226	-150	-1,161	-1,207,866
	Clr Sum	-1,183,005	-22,451	-92	-67	-11	-61	-82	-23	-236	-300	-226	-150	-1,161	-1,207,866
Proj Net		-130,417	-18,863	272	403	215	143	-301	1,414	1,666	555	251	704	-578	-144,538

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project 41001207	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	123,421	1,260	129	166	78	70	-80	24	669	294	160	293	195	126,680
120-Overtime-General	27,919	0	0	0	0	0	0	0	0	0	0	0	0	27,919
350-Material Issues-Major	110,182	378	39	50	24	21	-24	7	200	88	48	88	58	111,159
370-Outside Services	421,390	0	0	0	0	0	0	0	0	0	0	0	0	421,390
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	37,463	0	0	0	0	0	0	0	0	0	0	0	0	37,463
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	1,510	0	0	0	0	0	0	0	0	0	0	0	0	1,510
610-Expenses - General	2,764	685	70	90	43	38	-43	13	364	160	87	159	106	4,535
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-7,178	0	0	0	0	0	0	0	0	0	0	0	0	-7,178
829-Construction Adjustment	-281	0	0	0	0	0	0	0	0	0	0	0	0	-281
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	12,340	99	10	13	6	6	-6	2	52	23	13	23	15	12,596
914-Pension and Benefits Load	47,013	344	35	45	21	19	-22	7	183	80	44	80	53	47,903
915-Injuries and Damages Load	11,231	78	8	10	5	4	-5	2	42	18	10	18	12	11,434
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	12,861	65	7	9	4	4	-4	1	35	15	8	15	10	13,030
922-Minor Material Load	5,185	0	0	0	0	0	0	0	0	0	0	0	0	5,185
925-E and S Loads	155,017	546	56	72	34	30	-34	11	290	128	69	127	85	156,429
926-A and G Loads	53,109	156	16	21	10	9	-10	3	83	36	20	36	24	53,513
928-AFUDC Debt Reg	35,594	17	0	1	2	3	2	2	5	8	9	10	12	35,666
929-AFUDC - Equity Regular	13,789	15	0	1	2	2	2	2	4	7	8	9	11	13,853
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	1,063,329	3,644	371	478	229	206	-223	74	1,926	859	475	858	582	1,072,807
825-Clearings	-1,207,866	-8,386	-94	-68	-11	-62	-84	-9	-159	-220	-172	-120	-951	-1,218,203
Clr Sum	-1,207,866	-8,386	-94	-68	-11	-62	-84	-9	-159	-220	-172	-120	-951	-1,218,203
Proj Net	-144,538	-4,742	277	410	218	144	-307	65	1,766	638	303	738	-369	-145,396

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**Project No: 50000107 Line Extension - Residential**

Company: 001-Electric Services  
Location: 500 Distribution

Project Information

Construction Start Date                      1/1/2017                      Estimated Completion Date  
List Interim In-Service Dates

Project consists of many individual customer work orders which are placed in service at various times throughout the year.

Project Need Justification

This project is necessary to meet PNM’s obligation to serve new customers and provides for the installation of electric line extensions for new residential customers, apartment complexes, and residential subdivisions.

Project Alternatives

Because this project is necessary for PNM to serve new customers, there are no alternatives to conducting this work. Nonetheless, line extension options for each new service request are evaluated individually taking into account many factors such as available capacity on existing lines, route distances, customer preferences, and right-of way requirements, per PNM Rule 15. The best method for the extension is selected based on a balance of cost, timing, and efficacy.

Technical Aspects

Line extensions are designed to the minimum system requirements in accordance with PNM Rule 15. Physical components include but are not limited to primary wires, secondary wires, wood or steel poles and other supporting structures, trenches, switchgear, and conduit systems.

Project Estimate Approach

Historical spend in this funding project was analyzed to develop this project’s estimated spend. This blanket’s project spend forecast is prepared by escalating the most recent 12-month actual spend (July 2015-June 2016) by the second quarter reforecast (Q2RF) of expected customer growth provided by PNM Strategic Marketing & Product Management expressed as the percentage change in number of new customers year-over-year. The typical breakdown of total cost by high level cost categories is as follows: customer built purchases 16%, contract labor 43%, material 19%, PNM labor 18%, and PNM transportation & equipment 3%. This breakdown typically fluctuates for each project depending on the specifics and complexity of the project and whether or customers elect the PNM Built or Customer Built Option. Under the Customer Built Option, PNM purchases the system from the customer for \$1 and pays the customer for the entitled credits less PNM’s cost to design and energize the system. Many residential subdivision projects are built under the Customer Built Option, where customers are responsible for line extension costs less allowed credits under PNM’s Rule 15. This project provides for PNM’s portion of the cost of these line extensions.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	50000107	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	275,968		807	567	1,004	1,028	-332	917	279,959		
	120-Overtime-General	2,681		0	-86	0	0	0	330	2,926		
	350-Material Issues-Major	815,663		151	67	274	782	37	72	817,046		
	370-Outside Services	618,028		2,346	397	1,772	1,535	20	3,082	627,181		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	16,186		0	0	0	0	0	0	16,186		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	91,357		182	0	151	99	58	32	91,879		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-2,193,241		-3,480	-2,276	-4,109	-4,292	1,260	-3,993	-2,210,132		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	23,493		64	38	79	81	-26	98	23,826		
	914-Pension and Benefits Load	90,725		242	144	300	308	-99	373	91,993		
	915-Injuries and Damages Load	22,873		53	31	65	67	-22	81	23,149		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	67,340		17	7	30	87	4	8	67,493		
	922-Minor Material Load	39,166		0	0	0	0	0	0	39,166		
	925-E and S Loads	284,386		711	214	674	721	-67	923	287,563		
	926-A and G Loads	108,302		290	79	266	286	-18	369	109,575		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	262,928		1,382	-818	506	701	815	2,294	267,809		
	825-Clearings	-381,798		-3,626	-2,782	-2,350	-2,036	-1,804	-1,897	-396,293		
	Clr Sum	-381,798		-3,626	-2,782	-2,350	-2,036	-1,804	-1,897	-396,293		
	Proj Net	-118,870		-2,244	-3,599	-1,843	-1,336	-989	397	-128,484		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	50000107	Year	2017											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	279,959	-296	-631	-253	3,947	1,585	920	-1,496	5,138	-922	5,925	490	-309	294,057
120-Overtime-General	2,926	-4	-9	-4	59	24	14	-22	77	-14	89	7	-5	3,138
350-Material Issues-Major	817,046	-220	-468	-188	2,927	1,175	683	-1,110	3,810	-684	4,394	364	-229	827,500
370-Outside Services	627,181	-777	-1,653	-664	10,343	4,152	2,412	-3,921	13,465	-2,417	15,527	1,285	-809	664,124
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	16,186	0	0	0	0	0	0	0	0	0	0	0	0	16,186
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	91,879	-41	-88	-35	552	221	129	-209	718	-129	828	69	-43	93,851
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-2,210,132	1,286	2,737	1,100	-17,125	-6,876	-3,994	6,493	-22,296	4,002	-25,710	-2,127	1,340	-2,271,302
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	23,826	-24	-50	-20	314	126	73	-119	409	-73	471	39	-25	24,948
914-Pension and Benefits Load	91,993	-82	-175	-70	1,093	439	255	-414	1,423	-255	1,641	136	-86	95,898
915-Injuries and Damages Load	23,149	-19	-40	-16	249	100	58	-94	324	-58	374	31	-20	24,039
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	67,493	-38	-81	-33	506	203	118	-192	659	-118	760	63	-40	69,302
922-Minor Material Load	39,166	0	0	0	0	0	0	0	0	0	0	0	0	39,166
925-E and S Loads	287,563	-281	-598	-240	3,741	1,502	872	-1,418	4,870	-874	5,616	465	-293	300,925
926-A and G Loads	109,575	-90	-191	-77	1,198	481	279	-454	1,560	-280	1,798	149	-94	113,854
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	267,809	-585	-1,247	-500	7,805	3,132	1,820	-2,957	10,157	-1,824	11,714	970	-611	295,685
825-Clearings	-396,293	-1,351	-883	-634	-1,925	-2,142	-2,084	-1,177	-2,793	-1,962	-3,718	-3,223	-2,533	-420,718
Clr Sum	-396,293	-1,351	-883	-634	-1,925	-2,142	-2,084	-1,177	-2,793	-1,962	-3,718	-3,223	-2,533	-420,718
Proj Net	-128,484	-1,935	-2,130	-1,134	5,880	990	-264	-4,134	7,364	-3,786	7,997	-2,253	-3,144	-125,033

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	50000107	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	294,057	-448	-953	-383	5,965	2,395	1,391	-2,261	7,766	-1,394	8,955	741	-467	315,364
120-Overtime-General	3,138	-7	-14	-6	89	36	21	-34	116	-21	134	11	-7	3,456
350-Material Issues-Major	827,500	-331	-703	-283	4,401	1,767	1,026	-1,669	5,730	-1,029	6,608	547	-344	843,220
370-Outside Services	664,124	-1,168	-2,486	-999	15,554	6,245	3,627	-5,897	20,250	-3,635	23,352	1,932	-1,217	719,682
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	16,186	0	0	0	0	0	0	0	0	0	0	0	0	16,186
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	93,851	-62	-133	-53	830	333	193	-315	1,080	-194	1,245	103	-65	96,813
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-2,271,302	1,935	4,116	1,654	-25,755	-10,340	-6,006	9,764	-33,531	6,019	-38,666	-3,199	2,014	-2,363,297
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	24,948	-36	-76	-30	475	191	111	-180	618	-111	713	59	-37	26,643
914-Pension and Benefits Load	95,898	-124	-264	-106	1,652	663	385	-626	2,151	-386	2,480	205	-129	101,800
915-Injuries and Damages Load	24,039	-28	-60	-24	377	151	88	-143	490	-88	565	47	-29	25,384
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	69,302	-57	-122	-49	761	306	177	-289	991	-178	1,143	95	-60	72,022
922-Minor Material Load	39,166	0	0	0	0	0	0	0	0	0	0	0	0	39,166
925-E and S Loads	300,925	-423	-900	-362	5,634	2,262	1,314	-2,136	7,335	-1,317	8,458	700	-441	321,048
926-A and G Loads	113,854	-135	-288	-116	1,804	724	421	-684	2,348	-422	2,708	224	-141	120,296
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	295,685	-885	-1,883	-758	11,786	4,733	2,748	-4,470	15,344	-2,755	17,695	1,464	-923	337,782
825-Clearings	-420,718	-1,918	-1,234	-875	-2,839	-3,180	-3,102	-1,739	-4,188	-2,938	-5,595	-4,851	-3,812	-456,990
Clr Sum	-420,718	-1,918	-1,234	-875	-2,839	-3,180	-3,102	-1,739	-4,188	-2,938	-5,595	-4,851	-3,812	-456,990
Proj Net	-125,033	-2,803	-3,117	-1,633	8,947	1,553	-355	-6,209	11,156	-5,694	12,101	-3,387	-4,735	-119,208

***Project No: 50000407 Line Extensions - Misc***

Company: 001-Electric Services  
Location: 500 Distribution

Project Information

<u>Construction Start Date</u>	1/1/2017	<u>Estimated Completion Date</u>
<u>List Interim In-Service Dates</u>		
N/A		

Project Need Justification

This funding project provides temporary service for lines which will remain in service for less than one year. This is typically requested of contractors for supplying power during construction of residential, commercial, industrial buildings or facilities prior to the permanent service being provided.

Project Alternatives

There are no alternatives to this project, PNM is required to evaluate and meet each customer's request. Each customer request is evaluated independently with the goal of providing the minimum cost extension to provide the service requested. The customer has the option to provide their own source of power from generators should PNM's cost of temporary power be too high. The customer is responsible for the cost of both the installation and removal of the equipment necessary for the temporary power.

Technical Aspects

Providing temporary service can include the installation and removal of poles, wire, and transformers.

Project Estimate Approach



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	50000407	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	2,240		0	0	0	0	0	0	2,240		
	120-Overtime-General	175		0	0	0	0	0	0	175		
	350-Material Issues-Major	1,808		0	0	0	0	0	0	1,808		
	370-Outside Services	0		0	0	0	0	0	0	0		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	188		0	0	0	0	0	0	188		
	914-Pension and Benefits Load	796		0	0	0	0	0	0	796		
	915-Injuries and Damages Load	150		0	0	0	0	0	0	150		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	31		0	0	0	0	0	0	31		
	922-Minor Material Load	-98		0	0	0	0	0	0	-98		
	925-E and S Loads	1,269		0	0	0	0	0	0	1,269		
	926-A and G Loads	277		0	0	0	0	0	0	277		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	6,838		0	0	0	0	0	0	6,838		
	825-Clearings	-8,327		1,313	0	0	0	0	0	-7,013		
	Clr Sum	-8,327		1,313	0	0	0	0	0	-7,013		
Proj Net		-1,489		1,313	0	0	0	0	0	-176		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	50000407	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	2,240	0	0	0	0	0	0	0	0	0	0	0	0	2,240
	120-Overtime-General	175	0	0	0	0	0	0	0	0	0	0	0	0	175
	350-Material Issues-Major	1,808	0	0	0	0	0	0	0	0	0	0	0	0	1,808
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	188	0	0	0	0	0	0	0	0	0	0	0	0	188
	914-Pension and Benefits Load	796	0	0	0	0	0	0	0	0	0	0	0	0	796
	915-Injuries and Damages Load	150	0	0	0	0	0	0	0	0	0	0	0	0	150
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	31	0	0	0	0	0	0	0	0	0	0	0	0	31
	922-Minor Material Load	-98	0	0	0	0	0	0	0	0	0	0	0	0	-98
	925-E and S Loads	1,269	0	0	0	0	0	0	0	0	0	0	0	0	1,269
	926-A and G Loads	277	0	0	0	0	0	0	0	0	0	0	0	0	277
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	6,838	0	0	0	0	0	0	0	0	0	0	0	0	6,838
	825-Clearings	-7,013	0	0	0	0	0	0	0	0	0	0	0	0	-7,013
	Clr Sum	-7,013	0	0	0	0	0	0	0	0	0	0	0	0	-7,013
	Proj Net	-176	0	0	0	0	0	0	0	0	0	0	0	0	-176

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	50000407	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	2,240	0	0	0	0	0	0	0	0	0	0	0	0	2,240
	120-Overtime-General	175	0	0	0	0	0	0	0	0	0	0	0	0	175
	350-Material Issues-Major	1,808	0	0	0	0	0	0	0	0	0	0	0	0	1,808
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	188	0	0	0	0	0	0	0	0	0	0	0	0	188
	914-Pension and Benefits Load	796	0	0	0	0	0	0	0	0	0	0	0	0	796
	915-Injuries and Damages Load	150	0	0	0	0	0	0	0	0	0	0	0	0	150
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	31	0	0	0	0	0	0	0	0	0	0	0	0	31
	922-Minor Material Load	-98	0	0	0	0	0	0	0	0	0	0	0	0	-98
	925-E and S Loads	1,269	0	0	0	0	0	0	0	0	0	0	0	0	1,269
	926-A and G Loads	277	0	0	0	0	0	0	0	0	0	0	0	0	277
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	6,838	0	0	0	0	0	0	0	0	0	0	0	0	6,838
	825-Clearings	-7,013	0	0	0	0	0	0	0	0	0	0	0	0	-7,013
	Clr Sum	-7,013	0	0	0	0	0	0	0	0	0	0	0	0	-7,013
	Proj Net	-176	0	0	0	0	0	0	0	0	0	0	0	0	-176



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	50000507	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	10,808			396	247	627	333	319	592	13,322		
120-Overtime-General	8,166			524	92	729	501	0	12	10,024		
350-Material Issues-Major	15,199			144	92	224	195	92	54	16,000		
370-Outside Services	5,766			0	488	34	0	0	0	6,288		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	60			0	0	0	0	0	0	60		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			390	223	919	509	84	174	2,299		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	-7,798			0	0	0	-1,366	0	0	-9,164		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	1,515			72	27	107	66	25	48	1,859		
914-Pension and Benefits Load	5,642			275	101	406	250	96	181	6,951		
915-Injuries and Damages Load	1,547			60	22	88	54	21	39	1,832		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	1,168			16	10	25	22	10	6	1,257		
922-Minor Material Load	832			0	0	0	0	0	0	832		
925-E and S Loads	9,251			344	239	580	353	118	203	11,089		
926-A and G Loads	2,779			121	95	211	128	41	69	3,444		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	54,933			2,343	1,637	3,950	1,044	806	1,378	66,090		
825-Clearings	-64,679			-1,853	-1,797	-2,357	-2,016	-1,701	-1,617	-76,019		
Clr Sum	-64,679			-1,853	-1,797	-2,357	-2,016	-1,701	-1,617	-76,019		
Proj Net	-9,746			490	-161	1,593	-971	-895	-239	-9,929		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	50000507	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	13,322	101	92	286	171	-75	-26	119	448	175	132	16	131	14,892	
120-Overtime-General	10,024	46	42	130	78	-34	-12	54	204	80	60	7	60	10,739	
350-Material Issues-Major	16,000	116	106	329	197	-86	-30	138	517	202	152	19	151	17,811	
370-Outside Services	6,288	272	248	773	463	-203	-69	323	1,213	474	358	45	355	10,540	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	60	0	0	0	0	0	0	0	0	0	0	0	0	60	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	2,299	46	42	130	78	-34	-12	54	204	80	60	8	60	3,015	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	-9,164	-122	-111	-346	-207	91	31	-145	-543	-212	-160	-20	-159	-11,067	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	1,859	12	11	33	20	-9	-3	14	51	20	15	2	15	2,038	
914-Pension and Benefits Load	6,951	40	37	114	68	-30	-10	47	178	70	52	6	52	7,574	
915-Injuries and Damages Load	1,832	9	8	26	15	-7	-2	11	41	16	12	1	12	1,974	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	1,257	20	18	57	34	-15	-5	24	89	35	26	3	26	1,570	
922-Minor Material Load	832	0	0	0	0	0	0	0	0	0	0	0	0	832	
925-E and S Loads	11,089	123	112	349	209	-92	-32	146	548	214	162	20	161	13,010	
926-A and G Loads	3,444	39	36	111	66	-29	-10	46	174	68	51	6	51	4,053	
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	66,090	702	641	1,991	1,193	-522	-181	830	3,124	1,222	920	114	914	77,040	
825-Clearings	-76,019	-1,857	-1,431	-1,627	-1,475	-776	-441	-578	-1,469	-1,382	-1,221	-833	-862	-89,971	
Clr Sum	-76,019	-1,857	-1,431	-1,627	-1,475	-776	-441	-578	-1,469	-1,382	-1,221	-833	-862	-89,971	
Proj Net	-9,929	-1,154	-790	364	-282	-1,298	-622	253	1,655	-161	-300	-719	53	-12,931	

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	50000507	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	14,892	120	109	341	204	-89	-31	142	534	209	158	20	156	16,765
	120-Overtime-General	10,739	55	50	155	93	-41	-14	65	243	95	72	9	71	11,592
	350-Material Issues-Major	17,811	138	126	391	234	-103	-35	163	613	240	181	23	179	19,961
	370-Outside Services	10,540	323	295	918	550	-241	-82	384	1,440	563	425	53	421	15,589
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	60	0	0	0	0	0	0	0	0	0	0	0	0	60
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	3,015	54	50	155	93	-41	-14	65	242	95	71	9	71	3,865
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	-11,067	-145	-132	-411	-246	108	37	-172	-644	-252	-190	-24	-189	-13,327
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	2,038	14	12	39	23	-10	-4	16	61	24	18	2	18	2,252
	914-Pension and Benefits Load	7,574	48	43	135	81	-35	-12	56	212	83	63	8	62	8,318
	915-Injuries and Damages Load	1,974	11	10	31	18	-8	-3	13	48	19	14	2	14	2,144
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	1,570	24	22	68	40	-18	-6	28	106	42	31	4	31	1,942
	922-Minor Material Load	832	0	0	0	0	0	0	0	0	0	0	0	0	832
	925-E and S Loads	13,010	146	134	416	249	-109	-37	174	652	255	192	24	190	15,295
	926-A and G Loads	4,053	46	42	132	79	-35	-12	55	206	81	61	8	60	4,777
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	77,040	834	761	2,369	1,419	-622	-213	990	3,713	1,453	1,097	138	1,085	90,064
	825-Clearings	-89,971	-852	-820	-1,362	-1,382	-681	-368	-585	-1,680	-1,601	-1,424	-974	-1,013	-102,714
	Clr Sum	-89,971	-852	-820	-1,362	-1,382	-681	-368	-585	-1,680	-1,601	-1,424	-974	-1,013	-102,714
	Proj Net	-12,931	-18	-59	1,007	37	-1,303	-581	404	2,033	-148	-328	-836	72	-12,650

***Project No: 89900407 Line Extensions - Misc***

Company: 001-Electric Services  
Location: 899 Distribution

Project Information

<u>Construction Start Date</u>	1/1/2017	<u>Estimated Completion Date</u>
<u>List Interim In-Service Dates</u>		
NA		

Project Need Justification

This funding project provides temporary service for lines which will remain in service for less than one year. This is typically requested of contractors for supplying power during construction of residential, commercial, industrial buildings, or facilities prior to the permanent service being provided.

Project Alternatives

There are no alternatives for this project, PNM is required to evaluate and complete customer service requests. Each customer request is evaluated independently with the goal of providing the minimum cost extension to provide the service requested. The customer has the option to provide their own source of power from generators should PNM’s cost of temporary power be too high. The customer is responsible for the cost of both the installation and removal of the equipment necessary for the temporary power.

Technical Aspects

Providing temporary service can include the installation and removal of poles, wire, and transformers.

Project Estimate Approach



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	89900407	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	119		0	0	0	0	0	0	119		
	120-Overtime-General	0		0	0	0	0	0	0	0		
	350-Material Issues-Major	0		0	0	0	0	0	0	0		
	370-Outside Services	1,262		0	0	0	0	0	0	1,262		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-2,889		0	0	0	0	0	0	-2,889		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	10		0	0	0	0	0	0	10		
	914-Pension and Benefits Load	34		0	0	0	0	0	0	34		
	915-Injuries and Damages Load	9		0	0	0	0	0	0	9		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	78		0	0	0	0	0	0	78		
	922-Minor Material Load	0		0	0	0	0	0	0	0		
	925-E and S Loads	243		0	0	0	0	0	0	243		
	926-A and G Loads	116		0	0	0	0	0	0	116		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	-1,018		0	0	0	0	0	0	-1,018		
	825-Clearings	0		995	0	0	0	0	0	995		
	Clr Sum	0		995	0	0	0	0	0	995		
Proj Net		-1,018		995	0	0	0	0	0	-23		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	89900407	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	119	0	0	0	0	0	0	0	0	0	0	0	0	119
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	1,262	0	0	0	0	0	0	0	0	0	0	0	0	1,262
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		-2,889	0	0	0	0	0	0	0	0	0	0	0	0	-2,889
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	10	0	0	0	0	0	0	0	0	0	0	0	0	10
	914-Pension and Benefits Load	34	0	0	0	0	0	0	0	0	0	0	0	0	34
	915-Injuries and Damages Load	9	0	0	0	0	0	0	0	0	0	0	0	0	9
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	78	0	0	0	0	0	0	0	0	0	0	0	0	78
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	243	0	0	0	0	0	0	0	0	0	0	0	0	243
	926-A and G Loads	116	0	0	0	0	0	0	0	0	0	0	0	0	116
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	-1,018	0	0	0	0	0	0	0	0	0	0	0	0	-1,018
	825-Clearings	995	0	0	0	0	0	0	0	0	0	0	0	0	995
	Clr Sum	995	0	0	0	0	0	0	0	0	0	0	0	0	995
Proj Net		-23	0	0	0	0	0	0	0	0	0	0	0	0	-23

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	89900407	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	119	0	0	0	0	0	0	0	0	0	0	0	0	119
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	1,262	0	0	0	0	0	0	0	0	0	0	0	0	1,262
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		-2,889	0	0	0	0	0	0	0	0	0	0	0	0	-2,889
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	10	0	0	0	0	0	0	0	0	0	0	0	0	10
914-Pension and Benefits Load		34	0	0	0	0	0	0	0	0	0	0	0	0	34
915-Injuries and Damages Load		9	0	0	0	0	0	0	0	0	0	0	0	0	9
918-San Juan AR-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load		78	0	0	0	0	0	0	0	0	0	0	0	0	78
922-Minor Material Load		0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads		243	0	0	0	0	0	0	0	0	0	0	0	0	243
926-A and G Loads		116	0	0	0	0	0	0	0	0	0	0	0	0	116
928-AFUDC Debt Reg		0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular		0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other		0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	-1,018	0	0	0	0	0	0	0	0	0	0	0	0	-1,018
	825-Clearings	995	0	0	0	0	0	0	0	0	0	0	0	0	995
	Clr Sum	995	0	0	0	0	0	0	0	0	0	0	0	0	995
	Proj Net	-23	0	0	0	0	0	0	0	0	0	0	0	0	-23

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**Project No: 89900507 Lighting    \$33,325    \$5,799    \$33,325**

Company:        001-Electric Services  
Location:        899 Distribution

Project Information

Construction Start Date                    1/1/2017                    Estimated Completion Date

List Interim In-Service Dates

This project consists of many individual customer work orders which are placed in service at various times throughout the year.

Project Need Justification

This project provides the funds necessary to meet PNM’s contractual obligations with municipal corporations and subdivisions within the state of New Mexico to install street-lighting and floodlighting systems in accordance with PNM Rate Schedule 20 Integrated System Street-lighting and Floodlighting Service – New Installations and PNM Rate Schedule 6 Private Area Lighting Service.

Project Alternatives

Due to these contractual obligations, there are no other alternative methods for this project. Under Rate Schedule 20, customers have the option to own streetlights and pay PNM or a contractor for their installation, or to request that PNM install and own the lights. Under Rate Schedule 6 and the terms of the Agreement for Lighting Service thereunder, private lights are removed at the customer’s request and at PNM’s costs. PNM must honor installation requests under PNM Rate 20.

Technical Aspects

This project includes costs for the installation, relocation, or removal of street lighting and floodlighting and the removal or relocation of private area lighting including poles, light fixtures, wiring, and ancillary lighting equipment. The poles may be either wood or aluminum ranging in size from 30 to 45 feet. Fixtures include high pressure sodium or low pressure sodium lights ranging from 70 to 400 watts per fixture. For PNM owned street lights, this will include the installation of 150 feet of service wire and the luminaire. All street-lighting and floodlighting systems installed will adhere to PNM equipment standards provided in Rate Schedule 20 to ensure ease of future maintenance.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	89900507	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	16,471		366	139	1,073	664	159	803	19,676		
	120-Overtime-General	4,211		0	0	0	0	0	124	4,334		
	350-Material Issues-Major	31,046		0	1,559	445	0	427	0	33,477		
	370-Outside Services	20,121		2,132	5,045	257	0	63	1,102	28,721		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	1,676		0	0	0	0	0	82	1,758		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		117	7	352	138	24	68	706		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-20,021		0	0	0	-2,030	0	-9,527	-31,578		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	1,676		29	11	84	52	13	73	1,938		
	914-Pension and Benefits Load	6,307		110	42	321	199	48	277	7,304		
	915-Injuries and Damages Load	1,595		24	9	70	43	10	60	1,812		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	2,662		0	173	50	0	47	0	2,932		
	922-Minor Material Load	1,474		0	0	0	0	0	0	1,474		
	925-E and S Loads	16,128		514	1,260	482	203	138	479	19,203		
	926-A and G Loads	5,913		218	562	177	67	56	181	7,174		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	89,259		3,509	8,807	3,311	-664	986	-6,278	98,931		
	825-Clearings	-99,273		-2,626	-4,233	-3,993	-2,783	-2,315	-81	-115,305		
	Clr Sum	-99,273		-2,626	-4,233	-3,993	-2,783	-2,315	-81	-115,305		
	Proj Net	-10,014		883	4,574	-682	-3,446	-1,330	-6,359	-16,374		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	89900507	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	19,676	417	22	64	104	100	92	57	108	22	0	-14	-14	20,634
	120-Overtime-General	4,334	168	9	26	42	40	37	23	43	9	0	-6	-6	4,719
	350-Material Issues-Major	33,477	582	30	89	145	140	128	80	150	31	0	-19	-20	34,813
	370-Outside Services	28,721	1,111	58	170	277	268	244	152	287	59	0	-37	-38	31,272
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	1,758	0	0	0	0	0	0	0	0	0	0	0	0	1,758
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	706	139	7	21	35	34	31	19	36	7	0	-5	-5	1,025
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	-31,578	0	0	0	0	0	0	0	0	0	0	0	0	-31,578
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	1,938	46	2	7	11	11	10	6	12	2	0	-2	-2	2,044
	914-Pension and Benefits Load	7,304	160	8	25	40	38	35	22	41	8	0	-5	-5	7,670
	915-Injuries and Damages Load	1,812	36	2	6	9	9	8	5	9	2	0	-1	-1	1,896
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	2,932	101	5	15	25	24	22	14	26	5	0	-3	-3	3,164
	922-Minor Material Load	1,474	0	0	0	0	0	0	0	0	0	0	0	0	1,474
	925-E and S Loads	19,203	511	27	78	127	123	112	70	132	27	0	-17	-18	20,375
	926-A and G Loads	7,174	162	8	25	41	39	36	22	42	9	0	-5	-6	7,546
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	98,931	3,433	179	526	856	826	756	470	886	182	0	-115	-118	106,811
	825-Clearings	-115,305	-1,282	-896	-766	-798	-808	-790	-678	-751	-552	-359	-193	-84	-123,260
	Clr Sum	-115,305	-1,282	-896	-766	-798	-808	-790	-678	-751	-552	-359	-193	-84	-123,260
	Proj Net	-16,374	2,150	-717	-241	58	18	-34	-208	135	-370	-359	-308	-202	-16,448

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	89900507	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	20,634	497	26	76	124	120	109	68	128	27	0	-17	-17	21,775
120-Overtime-General	4,719	200	10	31	50	48	44	27	52	11	0	-7	-7	5,178
350-Material Issues-Major	34,813	691	36	106	172	167	152	94	178	37	0	-23	-24	36,399
370-Outside Services	31,272	1,319	69	202	329	318	290	180	341	71	0	-44	-45	34,302
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	1,758	0	0	0	0	0	0	0	0	0	0	0	0	1,758
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	1,025	165	9	25	41	40	36	23	43	9	0	-6	-6	1,404
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-31,578	0	0	0	0	0	0	0	0	0	0	0	0	-31,578
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	2,044	55	3	8	14	13	12	7	14	3	0	-2	-2	2,169
914-Pension and Benefits Load	7,670	190	10	29	47	46	42	26	49	10	0	-7	-7	8,107
915-Injuries and Damages Load	1,896	43	2	7	11	10	10	6	11	2	0	-1	-1	1,995
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	3,164	120	6	18	30	29	26	16	31	6	0	-4	-4	3,438
922-Minor Material Load	1,474	0	0	0	0	0	0	0	0	0	0	0	0	1,474
925-E and S Loads	20,375	607	32	93	151	146	133	83	157	33	0	-21	-21	21,768
926-A and G Loads	7,546	193	10	30	48	47	42	26	50	10	0	-7	-7	7,990
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	106,811	4,080	213	625	1,017	984	896	557	1,054	220	0	-138	-141	116,179
825-Clearings	-123,260	-1,482	-1,038	-894	-937	-953	-933	-802	-890	-656	-426	-229	-99	-132,599
Clr Sum	-123,260	-1,482	-1,038	-894	-937	-953	-933	-802	-890	-656	-426	-229	-99	-132,599
Proj Net	-16,448	2,597	-825	-268	80	31	-37	-245	164	-435	-426	-367	-240	-16,420

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**Project No: 89901207 Bernalillo Pole Replacement**

Company: 001-Electric Services  
Location: 899 Distribution

Project Information

Construction Start Date                      1/1/2017                      Estimated Completion Date

List Interim In-Service Dates

The project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

The NMPRC mandates that PNM keep the electric infrastructure in good repair and safe for customers and employees. Compromised integrity of wooden pole structures can affect reliability of service as well as public safety and the safety of PNM employees who may need to climb poles for maintenance. PNM regularly performs ground line tests on its distribution wood pole infrastructure to ensure the integrity of PNM’s distribution system. Wood poles that fail the tests are replaced or reinforced based on the testing results. This project covers the labor and material costs associated with the testing, replacement and repair of defective poles.

Project Alternatives

The alternatives to pole replacement include structurally reinforcing the pole, fumigating the pole and area, or applying an internal void treatment. The testing of each pole determines the condition of the pole and identifies the appropriate alternative for replacing a defective pole.

Technical Aspects

This project includes pole replacement, pole reinforcement, and fumigation. This capital blanket assures that the distribution wood pole infrastructure is replaced or reinforced based on ground line testing results. Poles are given a series of tests including visual, sounding, and borehole inspections to determine the condition of the pole and the requisite course of action.

Project Estimate Approach

The budget for this blanket is estimated by applying escalation factors to historical spend. The initial budget for this project was developed by applying labor and non-labor cost escalation factors to the most recent 12-month actual spend (July 2015-June 2016). The typical breakdown of cost by categories is as follows: outside services (80%), company labor (6%), materials (12%), and company transportation (2%). This breakdown can fluctuate depending on the use of PNM line crews or contract crews for the work, the actual percentage of poles that need replacement vs. reinforcement, and the types & configuration of the poles requiring work. Poles that support four or more wires are more costly to work than are poles supporting only two wires. Similarly, angle or corner poles are more expensive to replace than are in-line tangent poles. Location and access to the poles, such as backyard vs. roadside, also affects costs.



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	89901207	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	35,010		588	673	1,034	503	373	256	38,437		
	120-Overtime-General	2,089		17	12	34	5	21	9	2,187		
	350-Material Issues-Major	30,543		613	388	357	234	93	179	32,407		
	370-Outside Services	90,678		738	589	869	609	245	585	94,313		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	429		0	0	0	0	0	0	429		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		115	146	161	131	124	95	772		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	-37	-37	-37	-112		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	3,092		48	54	84	40	31	21	3,369		
	914-Pension and Benefits Load	11,093		181	205	320	152	118	79	12,149		
	915-Injuries and Damages Load	3,358		39	45	70	33	26	17	3,588		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	3,097		68	43	40	26	10	20	3,305		
	922-Minor Material Load	1,709		0	0	0	0	0	0	1,709		
	925-E and S Loads	24,601		433	391	542	316	191	230	26,702		
	926-A and G Loads	10,738		172	150	204	123	71	94	11,553		
	928-AFUDC Debt Reg	1,456		3	9	14	18	19	19	1,537		
	929-AFUDC - Equity Regular	1,737		4	9	15	19	20	20	1,825		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	219,630		3,019	2,714	3,744	2,172	1,304	1,586	234,169		
	825-Clearings	-242,388		-483	-840	-1,305	-1,443	-1,421	-1,448	-249,329		
	Clr Sum	-242,388		-483	-840	-1,305	-1,443	-1,421	-1,448	-249,329		
Proj Net		-22,759		2,536	1,874	2,439	729	-117	138	-15,159		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	89901207	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	38,437	374	200	215	204	100	1,079	366	419	644	314	233	160	42,741	
120-Overtime-General	2,187	2	1	2	1	6	56	11	8	22	3	13	6	2,316	
350-Material Issues-Major	32,407	123	109	113	234	102	898	379	240	221	145	58	111	35,138	
370-Outside Services	94,313	182	140	164	265	106	936	458	365	539	378	152	363	98,358	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	429	0	0	0	0	0	0	0	0	0	0	0	0	429	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	772	58	57	66	77	86	54	72	91	100	81	77	59	1,648	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-112	-48	-47	0	0	0	0	0	0	0	0	0	0	-206	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	3,369	29	16	17	16	8	89	30	33	52	25	19	13	3,717	
914-Pension and Benefits Load	12,149	102	55	59	56	29	310	103	116	182	86	67	45	13,358	
915-Injuries and Damages Load	3,588	23	12	13	13	7	71	23	27	41	20	15	10	3,863	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	3,305	21	19	20	40	18	155	65	41	38	25	10	19	3,777	
922-Minor Material Load	1,709	0	0	0	0	0	0	0	0	0	0	0	0	1,709	
925-E and S Loads	26,702	172	113	125	166	85	670	277	249	346	202	122	147	29,374	
926-A and G Loads	11,553	50	34	38	52	27	203	86	75	102	62	36	47	12,365	
928-AFUDC Debt Reg	1,537	21	20	19	18	17	21	25	26	26	27	25	23	1,806	
929-AFUDC - Equity Regular	1,825	28	26	25	24	23	28	33	34	35	35	33	31	2,178	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	234,169	1,137	753	874	1,166	613	4,569	1,927	1,723	2,348	1,400	859	1,033	252,572	
825-Clearings	-249,329	-1,398	-1,295	-1,228	-1,218	-1,121	-1,673	-1,713	-1,715	-1,816	-1,750	-1,607	-1,515	-267,376	
Clr Sum	-249,329	-1,398	-1,295	-1,228	-1,218	-1,121	-1,673	-1,713	-1,715	-1,816	-1,750	-1,607	-1,515	-267,376	
Proj Net	-15,159	-261	-542	-353	-52	-508	2,896	214	8	532	-349	-748	-482	-14,804	

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	89901207	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	42,741	385	206	222	210	103	1,111	377	432	664	323	240	165	47,176	
120-Overtime-General	2,316	2	1	2	1	7	58	11	8	22	3	13	6	2,448	
350-Material Issues-Major	35,138	126	112	116	239	104	916	387	245	226	148	59	113	37,925	
370-Outside Services	98,358	187	143	169	272	109	960	470	375	552	387	156	372	102,506	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	429	0	0	0	0	0	0	0	0	0	0	0	0	429	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	1,648	59	59	67	79	88	56	74	93	103	83	79	61	2,546	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-206	0	0	0	0	0	0	0	0	0	0	0	0	-206	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	3,717	30	16	18	17	9	92	30	34	54	26	20	13	4,075	
914-Pension and Benefits Load	13,358	105	56	61	58	30	319	106	120	187	89	69	47	14,605	
915-Injuries and Damages Load	3,863	24	13	14	13	7	73	24	27	43	20	16	11	4,147	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	3,777	22	19	20	41	18	158	67	42	39	26	10	20	4,259	
922-Minor Material Load	1,709	0	0	0	0	0	0	0	0	0	0	0	0	1,709	
925-E and S Loads	29,374	176	116	128	170	87	688	284	256	355	207	125	151	32,118	
926-A and G Loads	12,365	51	35	39	54	28	208	89	77	105	63	37	48	13,198	
928-AFUDC Debt Reg	1,806	22	21	20	19	18	22	26	26	27	27	26	24	2,086	
929-AFUDC - Equity Regular	2,178	20	19	18	17	16	20	24	24	25	25	23	22	2,430	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	252,572	1,208	814	891	1,190	622	4,679	1,967	1,759	2,400	1,426	872	1,050	271,450	
825-Clearings	-267,376	-1,466	-1,362	-1,287	-1,271	-1,167	-1,729	-1,767	-1,766	-1,867	-1,797	-1,649	-1,553	-286,056	
Clr Sum	-267,376	-1,466	-1,362	-1,287	-1,271	-1,167	-1,729	-1,767	-1,766	-1,867	-1,797	-1,649	-1,553	-286,056	
Proj Net	-14,804	-258	-547	-395	-81	-545	2,949	200	-7	533	-370	-777	-503	-14,606	

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**Project No: 90000207 Clayton Line Extension - Commercial**

Company: 001-Electric Services  
Location: 900 Distribution

Project Information

Construction Start Date 1/1/2015 Estimated Completion Date

List Interim In-Service Dates

This project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

This project is necessary to meet PNM’s obligation to serve new customers and provides for the installation of distribution line extensions necessary to serve new or expanding non-residential customers.

Project Alternatives

Because this project is necessary for PNM to serve new customers, there are no alternatives to conducting this work. Nonetheless, line extension options for each new service request are evaluated individually taking into account many factors such as available capacity on existing lines, route distances, customer preferences, and right-of way requirements, per PNM Rule 15. The best method for the extension is selected based on a balance of cost, timing, and efficacy.

Technical Aspects

Line extensions are designed to the minimum system requirements in accordance with PNM Rule 15. Physical components include but are not limited to primary wires, secondary wires, wood or steel poles and other supporting structures, trenches, switchgear, and duct-bank systems.

Project Estimate Approach

Historical spend in this funding project was analyzed to develop this project’s estimated spend. This blanket’s project spend forecast is prepared by escalating the most recent 12-month actual spend (July 2015-June 2016) by the second quarter reforecast (Q2RF) of expected customer growth provided by PNM Strategic Marketing & Product Management expressed as the percentage change in number of new customers year-over-year. The typical breakdown of total cost by high level cost categories is as follows: outside services including contract labor 41%, material 39%, PNM labor 15%, and PNM transportation & equipment 4%. This breakdown typically fluctuates for each project depending on the specifics and complexity of the project and whether or customers elect the PNM Built or Customer Built Option. Under the Customer Built Option, PNM purchases the system from the customer for \$1 and pays the customer for the entitled credits less PNM’s cost to design and energize the system. Many residential subdivision projects are built under the Customer Built Option, where customers are responsible for line extension costs less allowed credits under PNM's Rule 15. This project provides for PNM’s portion of the cost of these line extensions.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	90000207	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	25,987		1,293	1,124	383	322	409	795	30,313		
	120-Overtime-General	2,136		34	29	8	11	12	2	2,232		
	350-Material Issues-Major	26,226		490	508	250	220	285	309	28,288		
	370-Outside Services	13,834		0	0	0	0	0	0	13,834		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		768	389	7	-124	-629	-200	211		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-95,427		-1,710	-1,000	-1,000	-1,000	-1,000	-1,000	-102,137		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	2,273		104	91	31	26	33	63	2,621		
	914-Pension and Benefits Load	8,556		397	345	117	100	126	239	9,880		
	915-Injuries and Damages Load	2,159		87	75	25	22	27	52	2,447		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	2,416		54	56	28	24	32	34	2,645		
	922-Minor Material Load	1,346		0	0	0	0	0	0	1,346		
	925-E and S Loads	16,299		587	474	152	107	49	233	17,900		
	926-A and G Loads	6,058		215	171	54	36	6	75	6,615		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	11,863		2,320	2,262	55	-257	-650	602	16,196		
	825-Clearings	-30,871		-348	-635	-548	-427	-266	-316	-33,411		
	Clr Sum	-30,871		-348	-635	-548	-427	-266	-316	-33,411		
Proj Net		-19,008		1,972	1,627	-493	-684	-915	286	-17,216		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	90000207	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	30,313	-238	-399	-268	4,827	4,000	5,900	-13,320	-1,355	200	3,300	-2,663	0	30,296	
120-Overtime-General	2,232	-27	-46	-31	553	-178	2,487	-1,526	-155	0	380	-305	2	3,385	
350-Material Issues-Major	28,288	-173	-290	-195	3,507	1,000	5,000	-9,678	-985	-2	2,409	-1,935	0	26,947	
370-Outside Services	13,834	-39	-65	-44	783	-253	3,522	-2,161	-220	-1	538	-432	96	15,560	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	211	-140	-235	-158	2,841	-917	12,774	-7,838	-797	-2	1,951	-1,567	0	6,123	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	-102,137	0	0	0	0	0	0	0	0	0	0	0	-1,926	-104,063	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	2,621	-21	-35	-23	422	300	658	-1,164	-118	16	288	-233	0	2,710	
914-Pension and Benefits Load	9,880	-72	-121	-82	1,468	1,043	2,289	-4,052	-412	54	1,004	-810	1	10,190	
915-Injuries and Damages Load	2,447	-17	-28	-19	335	238	522	-923	-94	12	229	-185	0	2,518	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	2,645	-30	-50	-34	607	173	865	-1,674	-170	0	417	-335	0	2,413	
922-Minor Material Load	1,346	0	0	0	0	0	0	0	0	0	0	0	0	1,346	
925-E and S Loads	17,900	-140	-234	-157	2,829	1,005	6,365	-7,807	-794	53	1,939	-1,561	19	19,417	
926-A and G Loads	6,615	-41	-69	-47	841	245	1,995	-2,320	-236	13	576	-464	7	7,115	
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	16,196	-938	-1,570	-1,057	19,013	6,656	42,374	-52,463	-5,337	344	13,032	-10,490	-1,802	23,957	
825-Clearings	-33,411	-680	357	610	-4,853	-2,215	-19,929	978	1,711	2,820	-52	987	7,605	-46,074	
Clr Sum	-33,411	-680	357	610	-4,853	-2,215	-19,929	978	1,711	2,820	-52	987	7,605	-46,074	
Proj Net	-17,216	-1,618	-1,213	-447	14,160	4,440	22,445	-51,485	-3,627	3,163	12,980	-9,503	5,803	-22,117	

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	90000207	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	30,296	-167	-279	-188	3,376	-1,089	15,180	-9,315	-948	-2	2,319	-1,862	0	37,322
120-Overtime-General	3,385	-19	-32	-21	387	-125	1,739	-1,067	-109	0	266	-213	0	4,190
350-Material Issues-Major	26,947	-120	-202	-136	2,441	-788	10,975	-6,734	-685	-2	1,676	-1,347	0	32,027
370-Outside Services	15,560	-27	-45	-30	545	-176	2,450	-1,504	-153	0	374	-301	0	16,694
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	6,123	-98	-163	-110	1,977	-638	8,888	-5,454	-555	-1	1,358	-1,091	0	10,236
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-104,063	0	0	0	0	0	0	0	0	0	0	0	0	-104,063
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	2,710	-15	-24	-16	295	-95	1,326	-814	-83	0	203	-163	0	3,324
914-Pension and Benefits Load	10,190	-51	-85	-57	1,027	-331	4,617	-2,833	-288	-1	705	-566	0	12,327
915-Injuries and Damages Load	2,518	-12	-19	-13	234	-76	1,052	-646	-66	0	161	-129	0	3,005
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	2,413	-21	-35	-23	422	-136	1,899	-1,165	-119	0	290	-233	0	3,292
922-Minor Material Load	1,346	0	0	0	0	0	0	0	0	0	0	0	0	1,346
925-E and S Loads	19,417	-97	-163	-110	1,974	-637	8,876	-5,446	-554	-1	1,356	-1,089	0	23,525
926-A and G Loads	7,115	-29	-48	-33	586	-189	2,636	-1,618	-165	0	403	-323	0	8,335
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	23,957	-654	-1,095	-737	13,263	-4,280	59,641	-36,596	-3,723	-9	9,110	-7,317	0	51,559
825-Clearings	-46,074	2,997	476	618	-3,256	-484	-21,232	-421	-139	-233	-824	-199	-1,274	-70,046
Clr Sum	-46,074	2,997	476	618	-3,256	-484	-21,232	-421	-139	-233	-824	-199	-1,274	-70,046
Proj Net	-22,117	2,343	-619	-119	10,007	-4,763	38,409	-37,017	-3,863	-242	8,286	-7,516	-1,274	-18,487

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***Project No: 90000607 Clayton Remove and Replace***

Company: 001-Electric Services  
Location: 900 Distribution

Project Information

Construction Start Date                      1/1/2015                      Estimated Completion Date

List Interim In-Service Dates

This project consists of individual work orders placed in service at various times throughout the year as determined by governmental road widening schedules and the occurrence of significant storms.

Project Need Justification

This project is primarily to replace storm damaged equipment within the service area and other repairs as a result of government-led roadway improvement projects. The work is required under franchise agreements or as necessary for maintaining system integrity, restoring power after storms, and for the safe and reliable operation of the distribution facilities.

Project Alternatives

These projects are a result of government franchise agreements and/or to repair storm-damaged facilities. Therefore, limits project alternatives available. In most cases, work will involve the replacement of like for like equipment. Other configurations will be evaluated on a case-by-case basis taking into account the best options available.

Technical Aspects

This project includes relocation of electric distribution facilities in road rights-of-way and also the removal and replacement of existing electric distribution facilities that have been damaged during storms or deteriorated through normal aging. Work will include the design, installation, and removal of wire, poles, pole hardware (including insulators, cross arms, cut outs, anchor assemblies, overhead and underground switches, protection equipment, underground cable and conduits) and other equipment.

Project Estimate Approach

The activities for this project include governmental roadway improvement projects, replacement of storm damaged facilities and customer requested relocation. Thus the work required is largely unknown at the time when the spend forecast is developed. Historical spend in this funding project is analyzed to develop this projects estimated spend. The initial budget for this project is developed by applying escalators to the actual 12 months spend ending May 2014. The annual spend rate ending in May 2014 was much higher than usual due to a large storm event in 2013 and large roadway improvement projects during that time period. Thus the initial budget was scaled back to reflect a more moderate spend rate experienced in years prior to 2014 and to help meet overall budget targets.



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	90000607	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	18,669		100	100	500	100	100	0	19,569		
	120-Overtime-General	8,876		0	0	0	0	0	0	8,876		
	350-Material Issues-Major	25,186		500	100	500	100	500	100	26,986		
	370-Outside Services	24,243		0	0	0	0	0	0	24,243		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	323		0	0	0	0	0	0	323		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-36,501		0	0	0	0	0	0	-36,501		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	2,216		8	8	39	8	8	0	2,287		
	914-Pension and Benefits Load	9,055		30	30	150	30	30	0	9,324		
	915-Injuries and Damages Load	2,536		7	7	33	7	7	0	2,594		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	1,967		56	11	56	11	56	11	2,168		
	922-Minor Material Load	1,480		0	0	0	0	0	0	1,480		
	925-E and S Loads	16,373		119	45	226	45	119	19	16,947		
	926-A and G Loads	5,650		50	17	83	17	50	8	5,875		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	80,073		869	317	1,586	317	869	138	84,170		
	825-Clearings	-102,547		-96	-207	-617	-239	-532	-890	-105,128		
	Clr Sum	-102,547		-96	-207	-617	-239	-532	-890	-105,128		
Proj Net		-22,474		773	110	969	79	337	-752	-20,958		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	90000607	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	19,569	6	0	3	10	0	0	38	93	2	4	44	153	19,923
	120-Overtime-General	8,876	0	0	0	0	0	0	0	0	0	0	0	0	8,876
	350-Material Issues-Major	26,986	103	0	46	172	0	0	651	1,593	34	72	757	100	30,515
	370-Outside Services	24,243	0	0	0	0	0	0	0	0	0	0	0	0	24,243
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	323	0	0	0	0	0	0	0	0	0	0	0	0	323
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		-36,501	0	0	0	0	0	0	0	0	0	0	0	0	-36,501
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	2,287	0	0	0	1	0	0	3	7	0	0	3	12	2,314
	914-Pension and Benefits Load	9,324	2	0	1	3	0	0	10	25	1	1	12	42	9,421
	915-Injuries and Damages Load	2,594	0	0	0	1	0	0	2	6	0	0	3	10	2,616
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	2,168	18	0	8	30	0	0	113	276	6	12	131	17	2,778
	922-Minor Material Load	1,480	0	0	0	0	0	0	0	0	0	0	0	0	1,480
	925-E and S Loads	16,947	21	0	9	36	0	0	135	331	7	15	157	61	17,720
	926-A and G Loads	5,875	7	0	3	12	0	0	46	113	2	5	54	17	6,136
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	84,170	159	0	70	264	0	0	1,000	2,445	52	111	1,163	411	89,843
	825-Clearings	-105,128	-452	-550	-742	-264	0	0	-311	-566	-1,731	-492	-630	-1,451	-112,317
	Clr Sum	-105,128	-452	-550	-742	-264	0	0	-311	-566	-1,731	-492	-630	-1,451	-112,317
	Proj Net	-20,958	-294	-550	-672	0	0	0	689	1,878	-1,679	-382	533	-1,040	-22,474

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	90000607	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	19,923	7	0	3	12	0	0	46	111	2	5	53	183	20,345
120-Overtime-General	8,876	4	0	2	6	0	0	24	58	1	3	27	95	9,095
350-Material Issues-Major	30,515	123	0	54	204	0	0	773	1,891	41	86	899	3,098	37,683
370-Outside Services	24,243	408	0	181	679	0	0	2,575	6,297	135	285	2,995	10,315	48,113
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	323	0	0	0	0	0	0	0	0	0	0	0	0	323
610-Expenses - General	0	7	0	3	12	0	0	46	112	2	5	53	183	423
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-36,501	0	0	0	0	0	0	0	0	0	0	0	0	-36,501
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	2,314	1	0	0	1	0	0	5	13	0	1	6	22	2,365
914-Pension and Benefits Load	9,421	3	0	1	5	0	0	19	46	1	2	22	76	9,596
915-Injuries and Damages Load	2,616	1	0	0	1	0	0	4	11	0	0	5	17	2,656
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	2,778	21	0	9	35	0	0	134	327	7	15	156	536	4,018
922-Minor Material Load	1,480	0	0	0	0	0	0	0	0	0	0	0	0	1,480
925-E and S Loads	17,720	106	0	47	177	0	0	670	1,639	35	74	780	2,686	23,935
926-A and G Loads	6,136	37	0	16	61	0	0	233	569	12	26	271	932	8,293
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	89,843	718	0	318	1,194	0	0	4,529	11,074	238	501	5,267	18,141	131,823
825-Clearings	-112,317	-194	-236	-606	-1,194	0	0	-1,408	-2,565	-7,844	-2,230	-2,852	-22,852	-154,297
Clr Sum	-112,317	-194	-236	-606	-1,194	0	0	-1,408	-2,565	-7,844	-2,230	-2,852	-22,852	-154,297
Proj Net	-22,474	524	-236	-288	0	0	0	3,121	8,509	-7,606	-1,729	2,415	-4,711	-22,474

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**Project No: 90000707 Clayton System Improvements**

Company: 001-Electric Services  
Location: 900 Distribution

Project Information

Construction Start Date                      1/1/2017                      Estimated Completion Date

List Interim In-Service Dates

This project consists of many individual work orders which are placed in service at various times throughout the year.

Project Need Justification

Annual load analysis and modeling of the distribution system identified possible operational issues caused by normal load growth and obsolete/problematic equipment, which will necessitate improvements and line extensions to serve new customers. These improvements are necessary to meet the standards for service as required of New Mexico Administrative Code (NMAC) Rule 17.9.560.15.

Project Alternatives

Alternatives are evaluated on a case-by case basis. This usually involves analysis by PNM’s Distribution Planning or Distribution Protection departments using simulation models of the distribution system. With these models, engineers will evaluate different equipment or configuration alternatives to arrive at the best solutions for maintaining adequate voltage to all customers, enhance reliability and ensure the most cost effective and practical solution.

Technical Aspects

This project provides for numerous small distribution facility improvements including the design and installation of conduit systems, cable, wire, poles, overhead and underground switches, voltage and power factor supporting devices, and protection equipment. Further system improvements include new capacitor banks, voltage regulators, protective devices, upgraded wires and supervisory control and data acquisitions (SCADA) devices. Further improvements include the replacement of vandalized copper pole grounds with copper clad steel grounds, which are less susceptible to theft, and the installation of equipment to prevent birds and small animals from electrocutions that lead to service outages.

Project Estimate Approach

As with most of the blanket projects, the specific work items for this blanket will not be known until identified in the year worked. Historical spend in this project is analyzed to develop this project’s estimated spend. The initial budget for this project is developed by applying escalators to the actual 12 months spend ending May 2014.&nbsp;  The annual spend rate ending in May 2014 was higher than usual due to the need to replace vandalized pole grounds during that time period. Thus the initial budget was scaled back to reflect a spend rate more consistent with that in years prior to 2014.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	90000707	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	22,859			250	200	120	250	100	100	23,879		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	25,458			500	0	500	0	0	0	26,458		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-9	-9	-8	-27		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	1,917			20	16	9	20	8	8	1,997		
914-Pension and Benefits Load	7,981			75	60	36	75	30	30	8,287		
915-Injuries and Damages Load	1,548			16	13	8	16	7	7	1,615		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	3,314			56	0	56	0	0	0	3,425		
922-Minor Material Load	1,082			0	0	0	0	0	0	1,082		
925-E and S Loads	9,013			159	53	125	67	27	27	9,471		
926-A and G Loads	6,511			62	17	52	21	8	8	6,679		
928-AFUDC Debt Reg	2,504			1	3	3	4	5	4	2,523		
929-AFUDC - Equity Regular	446			1	3	3	5	5	4	468		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	82,633			1,141	364	911	448	180	179	85,857		
825-Clearings	-94,141			-148	-529	0	-197	-499	-296	-95,810		
Clr Sum	-94,141			-148	-529	0	-197	-499	-296	-95,810		
Proj Net	-11,508			992	-165	911	252	-319	-117	-9,954		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	90000707	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	23,879	6	0	3	10	0	0	38	93	2	4	44	153	24,233
	120-Overtime-General	0	3	0	1	5	0	0	20	48	1	2	23	79	184
	350-Material Issues-Major	26,458	103	0	46	172	0	0	651	1,593	34	72	757	0	29,886
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-27	-10	0	0	0	0	0	0	0	0	0	0	0	-37
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	1,997	1	0	0	1	0	0	5	11	0	1	5	18	2,039
	914-Pension and Benefits Load	8,287	3	0	1	4	0	0	16	39	1	2	18	63	8,433
	915-Injuries and Damages Load	1,615	1	0	0	1	0	0	4	9	0	0	4	14	1,648
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	3,425	18	0	8	30	0	0	113	276	6	12	131	0	4,018
	922-Minor Material Load	1,082	0	0	0	0	0	0	0	0	0	0	0	0	1,082
	925-E and S Loads	9,471	22	0	10	37	0	0	141	344	7	16	164	63	10,275
	926-A and G Loads	6,679	8	0	3	13	0	0	48	117	3	5	55	16	6,945
	928-AFUDC Debt Reg	2,523	4	0	0	0	1	0	2	6	8	7	8	8	2,568
	929-AFUDC - Equity Regular	468	6	0	0	1	1	1	2	8	11	9	10	11	527
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	85,857	164	0	73	274	1	1	1,038	2,543	73	131	1,221	426	91,802
	825-Clearings	-95,810	-1,718	0	-24	-96	-46	-59	-177	-403	-526	-446	-607	-1,937	-101,848
	Clr Sum	-95,810	-1,718	0	-24	-96	-46	-59	-177	-403	-526	-446	-607	-1,937	-101,848
	Proj Net	-9,954	-1,554	0	49	178	-45	-58	861	2,140	-453	-315	614	-1,510	-10,046

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	90000707	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	24,233	7	0	3	12	0	0	46	111	2	5	53	183	24,656
	120-Overtime-General	184	4	0	2	6	0	0	24	58	1	3	27	95	403
	350-Material Issues-Major	29,886	123	0	54	204	0	0	773	1,891	41	86	899	3,098	37,054
	370-Outside Services	0	408	0	181	679	0	0	2,575	6,297	135	285	2,995	10,315	23,870
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	7	0	3	12	0	0	46	112	2	5	53	183	423
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-37	0	0	0	0	0	0	0	0	0	0	0	0	-37
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	2,039	1	0	0	1	0	0	5	13	0	1	6	22	2,090
	914-Pension and Benefits Load	8,433	3	0	1	5	0	0	19	46	1	2	22	76	8,608
	915-Injuries and Damages Load	1,648	1	0	0	1	0	0	4	11	0	0	5	17	1,688
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	4,018	21	0	9	35	0	0	134	327	7	15	156	536	5,258
	922-Minor Material Load	1,082	0	0	0	0	0	0	0	0	0	0	0	0	1,082
	925-E and S Loads	10,275	106	0	47	177	0	0	670	1,639	35	74	780	2,686	16,489
	926-A and G Loads	6,945	37	0	16	61	0	0	233	569	12	26	271	932	9,103
	928-AFUDC Debt Reg	2,568	5	0	0	2	3	2	7	26	36	31	34	58	2,772
	929-AFUDC - Equity Regular	527	4	0	0	2	2	2	7	23	32	28	30	52	710
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	91,802	727	0	318	1,198	5	4	4,543	11,123	306	560	5,331	18,250	134,169
	825-Clearings	-101,848	-2,189	0	-104	-419	-201	-256	-774	-1,763	-2,300	-1,949	-2,648	-17,796	-132,247
	Clr Sum	-101,848	-2,189	0	-104	-419	-201	-256	-774	-1,763	-2,300	-1,949	-2,648	-17,796	-132,247
	Proj Net	-10,046	-1,461	0	214	779	-196	-252	3,769	9,360	-1,994	-1,388	2,683	455	1,922

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**Project No: 90000807 Clayton Services**

Company: 001-Electric Services  
Location: 900 Distribution

Project Information

Construction Start Date 1/1/2017 Estimated Completion Date

List Interim In-Service Dates

Generally, blanket work orders of this nature are cleared quarterly.

Project Need Justification

PNM and the customer’s service requirements are defined within PNM’s Rules and Regulations, specifically Rules 15, 16, and 18 filed with the New Mexico Public Regulatory Commission (NMPRC) pursuant to NMPRC Rule 210. This project addresses these required service obligations to customers within the service territory by connecting residential and non-residential customers’ facilities to PNM’s distribution system.

Project Alternatives

Outside of this regulatory requirement, there are no other alternatives. As a new residential customer service location, each project will be evaluated with the review of service location, service wire length and route as defined to maintain service voltage within regulatory requirements.

Technical Aspects

This project includes the removal and installation costs of overhead and underground conductors leading from the connection with the customer to PNM pole or distribution box. Customers located in an overhead electric distribution areas but requesting and underground service, are required to provide the service wires per PNM rules. Materials used will include three to four overhead and underground bundled wire service conductors and associated connecting or terminating parts. Service related materials for the entire Clayton area are included within this project.

Project Estimate Approach

As with most of the blanket projects, the specific work items for this blanket will not be known until after the budget is developed during the year of spend. Historical spend projects of this nature was analyzed to develop this project’s estimated spend. The initial budget for this project is developed by applying escalators to the actual 12 months spend ending May 2014. Customer growth rates expected at the time of the 2015 budget development have since been revised downward. Spend for 2016 has subsequently been adjusted lower based on expected lower customer growth.



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	90000807	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	14,878		525	485	1,508	150	150	-144	17,552		
	120-Overtime-General	0		0	0	0	0	0	0	0		
	350-Material Issues-Major	1,900		0	0	0	0	0	0	1,900		
	370-Outside Services	2,068		0	0	0	0	0	0	2,068		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		200	170	38	0	0	0	408		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	1,263		41	38	119	12	12	-11	1,473		
	914-Pension and Benefits Load	4,847		157	145	451	45	45	-43	5,648		
	915-Injuries and Damages Load	1,288		34	32	98	10	10	-9	1,462		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	245		0	0	0	0	0	0	245		
	922-Minor Material Load	85		0	0	0	0	0	0	85		
	925-E and S Loads	4,632		177	161	410	40	40	-38	5,421		
	926-A and G Loads	1,631		60	54	129	12	12	-12	1,887		
	928-AFUDC Debt Reg	444		0	0	0	0	0	0	444		
	929-AFUDC - Equity Regular	94		0	0	0	0	0	0	94		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	33,373		1,195	1,085	2,753	269	269	-258	38,686		
	825-Clearings	-42,528		-3,371	0	0	-3,960	0	-1,001	-50,860		
	Clr Sum	-42,528		-3,371	0	0	-3,960	0	-1,001	-50,860		
	Proj Net	-9,154		-2,176	1,085	2,753	-3,691	269	-1,259	-12,174		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	90000807	Year	2017												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	17,552	88	330	396	-20	81	93	224	154	0	45	72	-105	18,911	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	1,900	7	25	30	-2	6	7	17	12	0	3	5	-8	2,005	
370-Outside Services	2,068	0	0	0	0	0	0	0	0	0	0	0	0	2,068	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	408	58	216	259	-13	53	61	147	101	0	30	47	-69	1,298	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	1,473	7	26	31	-2	6	7	18	12	0	4	6	-8	1,580	
914-Pension and Benefits Load	5,648	24	90	108	-5	22	25	61	42	0	12	20	-29	6,018	
915-Injuries and Damages Load	1,462	5	21	25	-1	5	6	14	10	0	3	4	-7	1,546	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	245	1	4	5	0	1	1	3	2	0	1	1	-1	263	
922-Minor Material Load	85	0	0	0	0	0	0	0	0	0	0	0	0	85	
925-E and S Loads	5,421	36	136	163	-8	34	38	92	63	0	19	29	-43	5,981	
926-A and G Loads	1,887	10	38	46	-2	9	11	26	18	0	5	8	-12	2,045	
928-AFUDC Debt Reg	444	0	0	0	0	0	0	0	0	0	0	0	0	444	
929-AFUDC - Equity Regular	94	0	0	0	0	0	0	0	0	0	0	0	0	94	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	38,686	237	886	1,063	-53	219	249	602	414	0	121	192	-281	42,337	
825-Clearings	-50,860	0	0	0	-2,133	0	0	-1,070	0	0	-535	0	89	-54,510	
Clr Sum	-50,860	0	0	0	-2,133	0	0	-1,070	0	0	-535	0	89	-54,510	
Proj Net	-12,174	237	886	1,063	-2,186	219	249	-468	414	0	-414	192	-192	-12,174	

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	90000807	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	18,911	79	294	353	-18	73	83	200	138	0	40	64	-93	20,123
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350-Material Issues-Major	2,005	6	0	0	0	1,000	0	0	0	0	0	0	0	3,011
370-Outside Services	2,068	0	0	0	0	0	0	0	0	0	0	0	0	2,068
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	1,298	55	104	157	56	177	25	120	84	90	32	12	-40	2,171
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	1,580	6	23	28	-1	6	6	16	11	0	3	5	-7	1,675
914-Pension and Benefits Load	6,018	22	80	96	-5	20	23	55	38	-5	11	17	-26	6,349
915-Injuries and Damages Load	1,546	5	18	22	-1	5	5	12	9	0	3	4	-6	1,622
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	263	1	0	0	0	173	0	0	0	0	0	0	0	437
922-Minor Material Load	85	0	0	0	0	0	0	0	0	0	0	0	0	85
925-E and S Loads	5,981	33	100	126	6	246	27	77	53	17	17	20	-33	6,671
926-A and G Loads	2,045	9	27	34	3	84	7	21	15	6	5	5	-9	2,253
928-AFUDC Debt Reg	444	0	0	0	0	0	0	0	0	0	0	0	0	444
929-AFUDC - Equity Regular	94	0	0	0	0	0	0	0	0	0	0	0	0	94
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	42,337	216	647	817	40	1,783	177	501	346	113	111	127	-214	47,002
825-Clearings	-54,510	0	0	0	-1,720	0	0	-2,461	0	0	-571	0	87	-59,176
Clr Sum	-54,510	0	0	0	-1,720	0	0	-2,461	0	0	-571	0	87	-59,176
Proj Net	-12,174	216	647	817	-1,680	1,783	177	-1,960	346	113	-460	127	-127	-12,174

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**Project No: 90001707 Clayton Pure**

Company: 001-Electric Services  
Location: 900 Distribution

Project Information

<u>Construction Start Date</u>	1/1/2017	<u>Estimated Completion Date</u>
<u>List Interim In-Service Dates</u>		
N/A		

Project Need Justification

The Automated Line Patrols (ALPS) process identified a large quantity of work needed for repairing and replacing aging overhead distribution construction components. This work is necessary to maintain reliable service and reduce hazards to the public and PNM line crews. New Mexico Public Regulation Commission (NMPRC) Rule 17.9.560, Service Standards for Electric Utilities, outlines requirements for following electrical and safety standards (National Electric Safety Code), minimizing interruption of service, and protective safety measures. Not performing this work may decrease reliability and increase hazards to PNM personnel and the public.

Project Alternatives

No alternatives are available for this project, as it is necessary to ensure system reliability and minimize hazardous risks to PNM personnel and the public. Waiting for equipment to fail and replace on an as-needed basis is the only alternative, but this option would result in disruption of service and potential safety issues from equipment failure.

Technical Aspects

This project involves the like-for-like replacement of aging, obsolete or damaged equipment on distribution poles. Physical items identified for replacement include lightning arrestors, cross-arms, cut-outs, capacitors, and insulators.

Project Estimate Approach

Project work is identified through line patrols and estimates of the work are developed through the database where the information is collected. The project’s annual spend was initially established to complete the backlog of work over a five year period but has since been adjusted annually and quarterly as necessary based upon variability in other distribution line construction work and availability of line crews. The work is identified by distribution lines (feeders). Those feeders which experience higher numbers of outages and impact the greatest number of customers are given higher priority scheduling. The typical breakdown of cost by categories is as follows: company labor (13%), outside services (75%), materials (10%), and company transportation (2%).

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	90001707	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	432			0	0	0	0	0	0	432		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	36			0	0	0	0	0	0	36		
914-Pension and Benefits Load	125			0	0	0	0	0	0	125		
915-Injuries and Damages Load	33			0	0	0	0	0	0	33		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	116			0	0	0	0	0	0	116		
926-A and G Loads	42			0	0	0	0	0	0	42		
928-AFUDC Debt Reg	5			0	0	0	0	0	0	5		
929-AFUDC - Equity Regular	7			0	0	0	0	0	0	7		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	796			0	0	0	0	0	0	796		
825-Clearings	-730			-851	0	0	0	0	0	-1,581		
Cir Sum	-730			-851	0	0	0	0	0	-1,581		
Proj Net	66			-851	0	0	0	0	0	-786		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	90001707	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	432	0	0	0	0	0	0	0	0	0	0	0	0	432
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	36	0	0	0	0	0	0	0	0	0	0	0	0	36
	914-Pension and Benefits Load	125	0	0	0	0	0	0	0	0	0	0	0	0	125
	915-Injuries and Damages Load	33	0	0	0	0	0	0	0	0	0	0	0	0	33
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	116	0	0	0	0	0	0	0	0	0	0	0	0	116
	926-A and G Loads	42	0	0	0	0	0	0	0	0	0	0	0	0	42
	928-AFUDC Debt Reg	5	0	0	0	0	0	0	0	0	0	0	0	0	5
	929-AFUDC - Equity Regular	7	0	0	0	0	0	0	0	0	0	0	0	0	7
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	796	0	0	0	0	0	0	0	0	0	0	0	0	796
	825-Clearings	-1,581	0	0	0	0	0	0	0	0	0	0	0	0	-1,581
	Clr Sum	-1,581	0	0	0	0	0	0	0	0	0	0	0	0	-1,581
	Proj Net	-786	0	0	0	0	0	0	0	0	0	0	0	0	-786

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	90001707	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	432	0	0	0	0	0	0	0	0	0	0	0	0	432
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	36	0	0	0	0	0	0	0	0	0	0	0	0	36
	914-Pension and Benefits Load	125	0	0	0	0	0	0	0	0	0	0	0	0	125
	915-Injuries and Damages Load	33	0	0	0	0	0	0	0	0	0	0	0	0	33
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	116	0	0	0	0	0	0	0	0	0	0	0	0	116
	926-A and G Loads	42	0	0	0	0	0	0	0	0	0	0	0	0	42
	928-AFUDC Debt Reg	5	0	0	0	0	0	0	0	0	0	0	0	0	5
	929-AFUDC - Equity Regular	7	0	0	0	0	0	0	0	0	0	0	0	0	7
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	796	0	0	0	0	0	0	0	0	0	0	0	0	796
	825-Clearings	-1,581	0	0	0	0	0	0	0	0	0	0	0	0	-1,581
	Clr Sum	-1,581	0	0	0	0	0	0	0	0	0	0	0	0	-1,581
	Proj Net	-786	0	0	0	0	0	0	0	0	0	0	0	0	-786

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

*Project No: 15034007    \$7,969       \$0       \$7,969*

Company:  
Location:       150 Distribution

Project Information



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15034007	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			2,300	0	0	0	4,000	0	6,300		
370-Outside Services	0			123	0	0	0	0	0	123		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-3	-2	-3	-7		
426-Capitalized Interest	0			7	3	2	3	13	23	50		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			354	0	0	0	615	0	968		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			202	0	0	0	333	0	534		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			2,985	3	2	0	4,958	21	7,969		
825-Clearings	0			-2,388	0	0	0	0	-5,581	-7,969		
Clr Sum	0			-2,388	0	0	0	0	-5,581	-7,969		
Proj Net	0			597	3	2	0	4,958	-5,560	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15034007	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	6,300	0	0	0	0	0	0	0	0	0	0	0	0	6,300
	370-Outside Services	123	0	0	0	0	0	0	0	0	0	0	0	0	123
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-7	0	0	0	0	0	0	0	0	0	0	0	0	-7
	426-Capitalized Interest	50	0	0	0	0	0	0	0	0	0	0	0	0	50
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	968	0	0	0	0	0	0	0	0	0	0	0	0	968
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	534	0	0	0	0	0	0	0	0	0	0	0	0	534
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	7,969	0	0	0	0	0	0	0	0	0	0	0	0	7,969
	825-Clearings	-7,969	0	0	0	0	0	0	0	0	0	0	0	0	-7,969
	Clr Sum	-7,969	0	0	0	0	0	0	0	0	0	0	0	0	-7,969
Proj Net		0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15034007	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	6,300	0	0	0	0	0	0	0	0	0	0	0	0	6,300	
370-Outside Services	123	0	0	0	0	0	0	0	0	0	0	0	0	123	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-7	0	0	0	0	0	0	0	0	0	0	0	0	-7	
426-Capitalized Interest	50	0	0	0	0	0	0	0	0	0	0	0	0	50	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	968	0	0	0	0	0	0	0	0	0	0	0	0	968	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	534	0	0	0	0	0	0	0	0	0	0	0	0	534	
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	7,969	0	0	0	0	0	0	0	0	0	0	0	0	7,969	
825-Clearings	-7,969	0	0	0	0	0	0	0	0	0	0	0	0	-7,969	
Clr Sum	-7,969	0	0	0	0	0	0	0	0	0	0	0	0	-7,969	
Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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***Specifics***

***Project No: 01401615 2015 Dist Solar 40MW***

Company: 001-Electric Services  
Location: 014 Distribution

Project Information

Construction Start Date                      5/1/2015                      Estimated Completion Date                      7/1/2016

List Interim In-Service Dates

The project consists of four separate interconnections, each which was placed into service prior to December 31, 2015.

Project Need Justification

This project provides funding for the interconnection of four utility scale solar photovoltaic distributed generation sites totaling 40MW. The added generation is an effort to meet compliance with the Renewable Energy Act and NMPRC Rule 572 which mandates quantity and diversity of renewable resources and as a component of the least cost generation resource portfolio needed to replace generation capacity from PNM's San Juan Generation Station. The solar generation projects are part of PNM's renewable Energy Portfolio Plan for 2015. The distribution line constructions and upgrades of this project are necessary to interconnect the inverter based photovoltaic systems.

Project Alternatives

There are no other alternatives that are better than the selected option. PNM's Renewable Generation Department (RGD) selected solar sites near existing PNM electric lines to minimize interconnection complexities and delays. RGD submitted Small Generator Interconnection Requests in accordance with PNM's Open Access Transmission Tariff and PNM's Distribution Planning Department conducted system impact studies to evaluate effects on the distribution system caused by the proposed generation, and propose the routes of interconnection to include the feeders to which the solar facilities would interconnect. The line extensions and upgrades were built to PNM design standards following the routes proposed by Distribution Planning.

Technical Aspects

The interconnection of the four sites involves a varying amount of line extensions and upgrades of existing facilities unique to each site with some common aspects. The work includes reconfiguration of some feeders including reconductoring some lines, installing new poles and lines, installing switches and protective devices, installing primary metering and all associated design labor, right-of-way acquisitions, and environmental screening.

Project Estimate Approach

The project cost estimates were determined from detailed line extension and upgrade designs. Standard construction materials and practices were incorporated. PNM uses standardized labor data base to estimate labor costs for the various elements of the construction. The direct costs of the projects consist approximately of 18% labor, 58% material and supplies, 18% for outside contractors, and about 6% in transportation costs.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	01401615	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	201,168			0	0	0	0	0	0	201,168		
120-Overtime-General	18,255			0	0	0	0	0	0	18,255		
350-Material Issues-Major	564,643			0	0	0	0	0	0	564,643		
370-Outside Services	212,404			0	0	0	0	0	0	212,404		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	6,799			0	0	0	0	0	0	6,799		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	17,576			0	0	0	0	0	0	17,576		
914-Pension and Benefits Load	56,115			0	0	0	0	0	0	56,115		
915-Injuries and Damages Load	16,883			0	0	0	0	0	0	16,883		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	54,308			0	0	0	0	0	0	54,308		
922-Minor Material Load	48,240			0	0	0	0	0	0	48,240		
925-E and S Loads	213,217			0	0	0	0	0	0	213,217		
926-A and G Loads	107,493			0	0	0	0	0	0	107,493		
928-AFUDC Debt Reg	25,529			0	0	0	0	0	0	25,529		
929-AFUDC - Equity Regular	32,410			0	0	0	0	0	0	32,410		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	1,575,041			0	0	0	0	0	0	1,575,041		
825-Clearings	-1,889,732			-81,097	0	0	0	0	0	-1,970,829		
Clr Sum	-1,889,732			-81,097	0	0	0	0	0	-1,970,829		
Proj Net	-314,691			-81,097	0	0	0	0	0	-395,788		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	01401615	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	201,168	0	0	0	0	0	0	0	0	0	0	0	0	201,168
	120-Overtime-General	18,255	0	0	0	0	0	0	0	0	0	0	0	0	18,255
	350-Material Issues-Major	564,643	0	0	0	0	0	0	0	0	0	0	0	0	564,643
	370-Outside Services	212,404	0	0	0	0	0	0	0	0	0	0	0	0	212,404
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	6,799	0	0	0	0	0	0	0	0	0	0	0	0	6,799
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	17,576	0	0	0	0	0	0	0	0	0	0	0	0	17,576
	914-Pension and Benefits Load	56,115	0	0	0	0	0	0	0	0	0	0	0	0	56,115
	915-Injuries and Damages Load	16,883	0	0	0	0	0	0	0	0	0	0	0	0	16,883
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	54,308	0	0	0	0	0	0	0	0	0	0	0	0	54,308
	922-Minor Material Load	48,240	0	0	0	0	0	0	0	0	0	0	0	0	48,240
	925-E and S Loads	213,217	0	0	0	0	0	0	0	0	0	0	0	0	213,217
	926-A and G Loads	107,493	0	0	0	0	0	0	0	0	0	0	0	0	107,493
	928-AFUDC Debt Reg	25,529	0	0	0	0	0	0	0	0	0	0	0	0	25,529
	929-AFUDC - Equity Regular	32,410	0	0	0	0	0	0	0	0	0	0	0	0	32,410
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	1,575,041	0	0	0	0	0	0	0	0	0	0	0	0	1,575,041
	825-Clearings	-1,970,829	0	0	0	0	0	0	0	0	0	0	0	0	-1,970,829
	Clr Sum	-1,970,829	0	0	0	0	0	0	0	0	0	0	0	0	-1,970,829
	Proj Net	-395,788	0	0	0	0	0	0	0	0	0	0	0	0	-395,788

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	01401615	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	201,168	0	0	0	0	0	0	0	0	0	0	0	0	201,168
	120-Overtime-General	18,255	0	0	0	0	0	0	0	0	0	0	0	0	18,255
	350-Material Issues-Major	564,643	0	0	0	0	0	0	0	0	0	0	0	0	564,643
	370-Outside Services	212,404	0	0	0	0	0	0	0	0	0	0	0	0	212,404
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	6,799	0	0	0	0	0	0	0	0	0	0	0	0	6,799
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	17,576	0	0	0	0	0	0	0	0	0	0	0	0	17,576
	914-Pension and Benefits Load	56,115	0	0	0	0	0	0	0	0	0	0	0	0	56,115
	915-Injuries and Damages Load	16,883	0	0	0	0	0	0	0	0	0	0	0	0	16,883
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	54,308	0	0	0	0	0	0	0	0	0	0	0	0	54,308
	922-Minor Material Load	48,240	0	0	0	0	0	0	0	0	0	0	0	0	48,240
	925-E and S Loads	213,217	0	0	0	0	0	0	0	0	0	0	0	0	213,217
	926-A and G Loads	107,493	0	0	0	0	0	0	0	0	0	0	0	0	107,493
	928-AFUDC Debt Reg	25,529	0	0	0	0	0	0	0	0	0	0	0	0	25,529
	929-AFUDC - Equity Regular	32,410	0	0	0	0	0	0	0	0	0	0	0	0	32,410
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	1,575,041	0	0	0	0	0	0	0	0	0	0	0	0	1,575,041
	825-Clearings	-1,970,829	0	0	0	0	0	0	0	0	0	0	0	0	-1,970,829
	Clr Sum	-1,970,829	0	0	0	0	0	0	0	0	0	0	0	0	-1,970,829
Proj Net		-395,788	0	0	0	0	0	0	0	0	0	0	0	0	-395,788

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**Project No: 10002214 Hawkins Feeder 23**

Company: 001-Electric Services  
Location: 100 Distribution

Project Information

<u>Construction Start Date</u>	1/1/2014	<u>Estimated Completion Date</u>	7/31/2016
<u>List Interim In-Service Dates</u>	N/A		

Project Need Justification

This project is to provide a new feeder source from the new Hawkins Unit II substation to reconfigure the primary distribution lines in the area. Using 2013 projected loads, an outage of Hawkins Unit I would result in an overload of Reeves 14 (116%), Wyoming 12 (114%) and Signetics 22 (106%). An outage of Reeves results in an overload of Wyoming 12 (112%), Signetics 22 (116%) and max out Wayne 13 (100%). For contingency conditions, Hawkins Feeder 11 is unable to have full restoration with just a single supplemental for contingency conditions. The new Hawkins Feeder 23 will split the load on Hawkins Feeder 11 and create a new path that can be utilized during contingencies. The project funds will cover materials, labor, equipment and other costs (which include but are not limited to include permitting, right-of-way, contractor costs, environmental screening and monitoring).

Project Alternatives

The need for Hawkins Feeder 23 was anticipated when the Hawkins Unit II transformer was installed. At that time, a four-feeder switchgear was installed at Hawkins Substation in preparation for the feeders to be placed into service. Feeder route alternatives were considered as part of the Hawkins Unit II transformer installation which was complete prior to this project. After the transformer was installed, the feeder routes were limited. An alternate path along Jefferson was considered, but due to the existing infrustructure, this was not the least cost option. Inaction could cause extended power outages for customers due to lack of backup feeder tie capacity during an outage of Hawkins Unit I Substation. The feeder was designed as overhead construction but due to the City of Albuquerque's underground ordinance could be built as underground construction if necessary.

Technical Aspects

Construction consists of a new getaway, approximately 1,000 ft., and riser on a new pole to tie into existing overhead line. A new pole wil be installed and include approximately 700 ft. of 397 AAC overhead construction connecting to pole H13C076. A 600 amp GOLB switch will be installed near pole H13C074 and Hawkins 23 will be extended south along the frontage road. Using 397 AAC overhead construction, approximately 2,500 ft., it will connect to the existing overhead line. Lastly, approximately 600 ft. of 2/0 ACSR will be reconducted with 397 AAC from pole H13C180 to pole H13C067.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	10002214	Year	2016									
Cost Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	100,382			0	0	0	0	0	0	100,382		
120-Overtime-General	6,014			0	0	0	0	0	0	6,014		
350-Material Issues-Major	170,137			0	0	0	0	0	0	170,137		
370-Outside Services	134,934			0	0	0	0	0	0	134,934		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	184			0	0	0	0	0	0	184		
610-Expenses - General	-70,428			0	0	0	0	0	0	-70,428		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	8,442			0	0	0	0	0	0	8,442		
914-Pension and Benefits Load	27,809			0	0	0	0	0	0	27,809		
915-Injuries and Damages Load	8,188			0	0	0	0	0	0	8,188		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	13,617			0	0	0	0	0	0	13,617		
922-Minor Material Load	17,040			0	0	0	0	0	0	17,040		
925-E and S Loads	73,381			0	0	0	0	0	0	73,381		
926-A and G Loads	37,657			0	0	0	0	0	0	37,657		
928-AFUDC Debt Reg	7,209			-47	0	0	0	0	0	7,162		
929-AFUDC - Equity Regular	10,151			-50	0	0	0	0	0	10,101		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	544,718			-97	0	0	0	0	0	544,621		
825-Clearings	-643,827			20,730	0	0	0	0	0	-623,097		
Clr Sum	-643,827			20,730	0	0	0	0	0	-623,097		
Proj Net	-99,109			20,633	0	0	0	0	0	-78,476		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	10002214	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	100,382	0	0	0	0	0	0	0	0	0	0	0	0	100,382
	120-Overtime-General	6,014	0	0	0	0	0	0	0	0	0	0	0	0	6,014
	350-Material Issues-Major	170,137	0	0	0	0	0	0	0	0	0	0	0	0	170,137
	370-Outside Services	134,934	0	0	0	0	0	0	0	0	0	0	0	0	134,934
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	184	0	0	0	0	0	0	0	0	0	0	0	0	184
	610-Expenses - General	-70,428	0	0	0	0	0	0	0	0	0	0	0	0	-70,428
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	8,442	0	0	0	0	0	0	0	0	0	0	0	0	8,442
	914-Pension and Benefits Load	27,809	0	0	0	0	0	0	0	0	0	0	0	0	27,809
	915-Injuries and Damages Load	8,188	0	0	0	0	0	0	0	0	0	0	0	0	8,188
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	13,617	0	0	0	0	0	0	0	0	0	0	0	0	13,617
	922-Minor Material Load	17,040	0	0	0	0	0	0	0	0	0	0	0	0	17,040
	925-E and S Loads	73,381	0	0	0	0	0	0	0	0	0	0	0	0	73,381
	926-A and G Loads	37,657	0	0	0	0	0	0	0	0	0	0	0	0	37,657
	928-AFUDC Debt Reg	7,162	0	0	0	0	0	0	0	0	0	0	0	0	7,162
	929-AFUDC - Equity Regular	10,101	0	0	0	0	0	0	0	0	0	0	0	0	10,101
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	544,621	0	0	0	0	0	0	0	0	0	0	0	0	544,621
	825-Clearings	-623,097	0	0	0	0	0	0	0	0	0	0	0	0	-623,097
	Clr Sum	-623,097	0	0	0	0	0	0	0	0	0	0	0	0	-623,097
Proj Net	-78,476	0	0	0	0	0	0	0	0	0	0	0	0	0	-78,476

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	10002214	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	100,382	0	0	0	0	0	0	0	0	0	0	0	0	100,382
	120-Overtime-General	6,014	0	0	0	0	0	0	0	0	0	0	0	0	6,014
	350-Material Issues-Major	170,137	0	0	0	0	0	0	0	0	0	0	0	0	170,137
	370-Outside Services	134,934	0	0	0	0	0	0	0	0	0	0	0	0	134,934
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	184	0	0	0	0	0	0	0	0	0	0	0	0	184
	610-Expenses - General	-70,428	0	0	0	0	0	0	0	0	0	0	0	0	-70,428
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	8,442	0	0	0	0	0	0	0	0	0	0	0	0	8,442
	914-Pension and Benefits Load	27,809	0	0	0	0	0	0	0	0	0	0	0	0	27,809
	915-Injuries and Damages Load	8,188	0	0	0	0	0	0	0	0	0	0	0	0	8,188
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	13,617	0	0	0	0	0	0	0	0	0	0	0	0	13,617
	922-Minor Material Load	17,040	0	0	0	0	0	0	0	0	0	0	0	0	17,040
	925-E and S Loads	73,381	0	0	0	0	0	0	0	0	0	0	0	0	73,381
	926-A and G Loads	37,657	0	0	0	0	0	0	0	0	0	0	0	0	37,657
	928-AFUDC Debt Reg	7,162	0	0	0	0	0	0	0	0	0	0	0	0	7,162
	929-AFUDC - Equity Regular	10,101	0	0	0	0	0	0	0	0	0	0	0	0	10,101
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	544,621	0	0	0	0	0	0	0	0	0	0	0	0	544,621
	825-Clearings	-623,097	0	0	0	0	0	0	0	0	0	0	0	0	-623,097
	Clr Sum	-623,097	0	0	0	0	0	0	0	0	0	0	0	0	-623,097
	Proj Net	-78,476	0	0	0	0	0	0	0	0	0	0	0	0	-78,476

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**Project No: 10002314 Albuquerque Feeder testing and repl**

Company: 001-Electric Services  
Location: 100 Distribution

Project Information

Construction Start Date 1/1/2013 Estimated Completion Date 1/31/2017

List Interim In-Service Dates

This project has numerous partial in-service dates throughout the life of the project.

Project Need Justification

Approximately 54% of PNM distribution lines are built as underground construction. Underground cable has a life expectancy of 30-40 years. This project provides for the targeted replacement of failing underground cable based upon cable testing results of those at the end of their useful lives. The risk of not replacing aging and failing cable includes more frequent and extended power outages which adversely affect reliability and customer satisfaction. This is a multi-year project with testing completed in the first year and cable replacements made over subsequent years.

Project Alternatives

An alternative to replacing failing cable is to inject a substance to improve the integrity of insulation materials and extend the life of the cable. This technique has shortcomings as it does not address potential problems with cable splices made during installation or the ends of cable where terminating equipment is installed. Cable testing is another alternative, providing predictive identification of cable failures before they occur, specifically targeting the replacement of cable segments. However, testing will not detect all cables that need replacement due to extensive corrosion or too many past failures, which have caused degradation to insulation of cable. In either of those cases, replacement is the better option without the need to perform cable testing first.

Technical Aspects

Cable is replaced either by pulling the cable from existing conduit and replacing it with new cable or, in the case of direct buried cable, by installing new conduit using directional boring equipment and pulling cable in the newly installed conduit. In some cases the new cable is installed along new routes to reduce the difficulty of the installation and/or future maintenance issues. This work will also involve boring, excavation, installing new cable and duct, splices, and terminations.

Project Estimate Approach

There are two considerations in estimating the project cost; the amount of testing and the amount of replacement work. Several factors are considered in determining the amount of testing to be performed including: the number of cable segment failures in a year, the vintage or age of cable, and the cable type. Though the amount of cable replacement required is not known until the completion of testing, past experience provides a approximate benchmark for

budgeting. These costs are further estimated based on historical cable replacement costs per foot. This project includes costs for outside services which include cable testing, testing results analysis and reporting, and boring in new conduit and cable. The project also includes company labor for items such as; engineering, testing and construction coordination, switching, and cable termination. The typical breakdown of cost by categories is as follows: outside services (74%), company labor (8%), materials (16%), and company transportation (2%). This breakdown can fluctuate depending on the site conditions and the type and condition of the cable being tested.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	10002314	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	102,215			0	0	0	0	0	0	102,215		
120-Overtime-General	21,237			0	0	0	0	0	0	21,237		
350-Material Issues-Major	267,766			0	0	0	0	0	0	267,766		
370-Outside Services	1,754,736			0	0	0	0	0	0	1,754,736		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-6	-6	-6	-19		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	9,483			0	0	0	0	0	0	9,483		
914-Pension and Benefits Load	34,915			0	0	0	0	0	0	34,915		
915-Injuries and Damages Load	9,262			0	0	0	0	0	0	9,262		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	80,544			0	0	0	0	0	0	80,544		
922-Minor Material Load	42,277			0	0	0	0	0	0	42,277		
925-E and S Loads	308,677			0	0	0	0	0	0	308,677		
926-A and G Loads	184,699			0	0	0	0	0	0	184,699		
928-AFUDC Debt Reg	44,450			3	3	3	3	3	3	44,468		
929-AFUDC - Equity Regular	57,682			3	3	3	3	3	3	57,702		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	2,917,942			6	6	6	0	0	0	2,917,961		
825-Clearings	-2,989,652			0	0	0	0	0	0	-2,989,652		
Clr Sum	-2,989,652			0	0	0	0	0	0	-2,989,652		
Proj Net	-71,710			6	6	6	0	0	0	-71,691		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	10002314	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	102,215	0	0	0	0	0	0	0	0	0	0	0	0	102,215
	120-Overtime-General	21,237	0	0	0	0	0	0	0	0	0	0	0	0	21,237
	350-Material Issues-Major	267,766	0	0	0	0	0	0	0	0	0	0	0	0	267,766
	370-Outside Services	1,754,736	0	0	0	0	0	0	0	0	0	0	0	0	1,754,736
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-19	-8	0	0	0	0	0	0	0	0	0	0	0	-28
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	9,483	0	0	0	0	0	0	0	0	0	0	0	0	9,483
	914-Pension and Benefits Load	34,915	0	0	0	0	0	0	0	0	0	0	0	0	34,915
	915-Injuries and Damages Load	9,262	0	0	0	0	0	0	0	0	0	0	0	0	9,262
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	80,544	0	0	0	0	0	0	0	0	0	0	0	0	80,544
	922-Minor Material Load	42,277	0	0	0	0	0	0	0	0	0	0	0	0	42,277
	925-E and S Loads	308,677	0	0	0	0	0	0	0	0	0	0	0	0	308,677
	926-A and G Loads	184,699	0	0	0	0	0	0	0	0	0	0	0	0	184,699
	928-AFUDC Debt Reg	44,468	4	0	0	0	0	0	0	0	0	0	0	0	44,472
	929-AFUDC - Equity Regular	57,702	5	0	0	0	0	0	0	0	0	0	0	0	57,707
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	2,917,961	0	0	0	0	0	0	0	0	0	0	0	0	2,917,961
	825-Clearings	-2,989,652	-1,377	0	0	0	0	0	0	0	0	0	0	0	-2,991,029
	Clr Sum	-2,989,652	-1,377	0	0	0	0	0	0	0	0	0	0	0	-2,991,029
	Proj Net	-71,691	-1,377	0	0	0	0	0	0	0	0	0	0	0	-73,068

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	10002314	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	102,215	0	0	0	0	0	0	0	0	0	0	0	0	102,215
	120-Overtime-General	21,237	0	0	0	0	0	0	0	0	0	0	0	0	21,237
	350-Material Issues-Major	267,766	0	0	0	0	0	0	0	0	0	0	0	0	267,766
	370-Outside Services	1,754,736	0	0	0	0	0	0	0	0	0	0	0	0	1,754,736
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-28	0	0	0	0	0	0	0	0	0	0	0	0	-28
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	9,483	0	0	0	0	0	0	0	0	0	0	0	0	9,483
	914-Pension and Benefits Load	34,915	0	0	0	0	0	0	0	0	0	0	0	0	34,915
	915-Injuries and Damages Load	9,262	0	0	0	0	0	0	0	0	0	0	0	0	9,262
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	80,544	0	0	0	0	0	0	0	0	0	0	0	0	80,544
	922-Minor Material Load	42,277	0	0	0	0	0	0	0	0	0	0	0	0	42,277
	925-E and S Loads	308,677	0	0	0	0	0	0	0	0	0	0	0	0	308,677
	926-A and G Loads	184,699	0	0	0	0	0	0	0	0	0	0	0	0	184,699
	928-AFUDC Debt Reg	44,472	0	0	0	0	0	0	0	0	0	0	0	0	44,472
	929-AFUDC - Equity Regular	57,707	0	0	0	0	0	0	0	0	0	0	0	0	57,707
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	2,917,961	0	0	0	0	0	0	0	0	0	0	0	0	2,917,961
	825-Clearings	-2,991,029	0	0	0	0	0	0	0	0	0	0	0	0	-2,991,029
	Clr Sum	-2,991,029	0	0	0	0	0	0	0	0	0	0	0	0	-2,991,029
	Proj Net	-73,068	0	0	0	0	0	0	0	0	0	0	0	0	-73,068

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**Project No: 10030515 Test Lab Building Modifications**

Company: 001-Electric Services  
Location: 100 Distribution

Project Information

Construction Start Date                      5/1/2015                      Estimated Completion Date                      7/30/2016

List Interim In-Service Dates

Project Need Justification

Due to the North American Electric Reliability Corporation (NERC) Critical Infrastructure Protection (CIP) Version 5 regulations on substations identified as medium impact by CIP 002-5, these substations must undergo strict compliance requirements. It is therefore necessary for a substation lab environment to be constructed. The NERC CIP-005-5, CIP-007-5, CIP-009-5 and CIP-010-1 standards impose many requirements on the Bulk Electric System (BES) Cyber Assets and BES Cyber Systems that were not previously required, such as but not limited to patching firmware, restricting electronic access, password management, remote connectivity, disabling unjustifiable ports and services and collecting security event information. The efforts required to become compliant impose significant risk should the security controls mentioned above be tested in a production environment. To mitigate this risk, a test facility that will allow the opportunity to test, implement, upgrade, house equipment (hot standbys), and maintain equipment (protective relays, communications equipment, etc.) that are essential to the electrical grid stability, compliance, and the security of the system without adversely affecting the Bulk Electric System. Additional risks associated with not building and implementing this test facility include placing PNM in non-compliance with CIP Version 5 and could be subject to fines up to \$1MM per day. To work on the equipment in a live environment would directly depend on the availability of redundant equipment (not always a possibility), outage availability (if the electric grid allows) to be able to work on the equipment, and the acceptable risk to employees when working in the live environment.

Project Alternatives

Doing nothing will risk noncompliance for security controls to be implemented in a production environment directly to a substation. It will also introduce a significant amount of O&M due to the procedures that need to be placed before deployment. In addition, there would be no efficient way to simulate system configurations, analyze misoperations, or allow work practices, procedures, and equipment to be verified in a controlled environment prior to implementing them into the live system. Building this test lab will allow testing of CIP 10, CIP 7, CIP 4, CIP 5 and CIP 6 procedures before rolling out into the production field. Work processes can be done in house, before deployment and directly mitigate the long term impact of additional maintenance for New Mexico Operations. Other locations for the test lab were considered, such as the Aztec location. However, due to the involvement needed from extended service coverage (ESC) locations and the existing space identified, the meter shop was identified as the ideal solution. NM leveraged existing facility contractors from other locations to add the perimeter walls and construction for the test lab. This substantially minimized costs and as a result, additional contractors were not considered.

### Technical Aspects

Technical Aspects include allowing the PNM Substation Architecture to support the Remote Access Project, DMZ (file transfer) project, system automation, and more. This environment will have the same firewalls, gateways, servers, etc., to support compliance in a substation. Other aspects include the build-out of a wall of an existing building, and the following items dedicated to managing the test lab.1. 16'x10' mezzanine2. fire suppression system2. conduit for communications and power. 3. DC and AC Panels to support equipment.4. New door hardware (3 doors).5. Badge Access to environment6. Cable Trays for wiring to panels. This also supports a fiber communications route to enable the test lab to communicate with the PNM system.

### Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	10030515	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	15,688		0	0	0	0	0	0	15,688		
	120-Overtime-General	5,812		0	0	0	0	0	0	5,812		
	350-Material Issues-Major	0		0	0	0	0	0	0	0		
	370-Outside Services	257,362		0	0	0	0	0	0	257,362		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	537		0	0	0	0	0	0	537		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	1,677		0	0	0	0	0	0	1,677		
	914-Pension and Benefits Load	5,347		0	0	0	0	0	0	5,347		
	915-Injuries and Damages Load	1,612		0	0	0	0	0	0	1,612		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	1,534		0	0	0	0	0	0	1,534		
	922-Minor Material Load	0		0	0	0	0	0	0	0		
	925-E and S Loads	0		0	0	0	0	0	0	0		
	926-A and G Loads	24,574		0	0	0	0	0	0	24,574		
	928-AFUDC Debt Reg	0		0	0	0	0	0	0	0		
	929-AFUDC - Equity Regular	0		0	0	0	0	0	0	0		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	314,143		0	0	0	0	0	0	314,143		
	825-Clearings	-329,748		-1,248	0	0	0	0	0	-330,996		
	Clr Sum	-329,748		-1,248	0	0	0	0	0	-330,996		
	Proj Net	-15,605		-1,248	0	0	0	0	0	-16,853		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	10030515	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	15,688	0	0	0	0	0	0	0	0	0	0	0	0	15,688
	120-Overtime-General	5,812	0	0	0	0	0	0	0	0	0	0	0	0	5,812
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	257,362	0	0	0	0	0	0	0	0	0	0	0	0	257,362
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	537	0	0	0	0	0	0	0	0	0	0	0	0	537
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	1,677	0	0	0	0	0	0	0	0	0	0	0	0	1,677
	914-Pension and Benefits Load	5,347	0	0	0	0	0	0	0	0	0	0	0	0	5,347
	915-Injuries and Damages Load	1,612	0	0	0	0	0	0	0	0	0	0	0	0	1,612
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	1,534	0	0	0	0	0	0	0	0	0	0	0	0	1,534
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	24,574	0	0	0	0	0	0	0	0	0	0	0	0	24,574
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	314,143	0	0	0	0	0	0	0	0	0	0	0	0	314,143
	825-Clearings	-330,996	0	0	0	0	0	0	0	0	0	0	0	0	-330,996
	Clr Sum	-330,996	0	0	0	0	0	0	0	0	0	0	0	0	-330,996
Proj Net		-16,853	0	0	0	0	0	0	0	0	0	0	0	0	-16,853

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	10030515	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	15,688	0	0	0	0	0	0	0	0	0	0	0	0	15,688
	120-Overtime-General	5,812	0	0	0	0	0	0	0	0	0	0	0	0	5,812
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	257,362	0	0	0	0	0	0	0	0	0	0	0	0	257,362
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	537	0	0	0	0	0	0	0	0	0	0	0	0	537
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	1,677	0	0	0	0	0	0	0	0	0	0	0	0	1,677
	914-Pension and Benefits Load	5,347	0	0	0	0	0	0	0	0	0	0	0	0	5,347
	915-Injuries and Damages Load	1,612	0	0	0	0	0	0	0	0	0	0	0	0	1,612
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	1,534	0	0	0	0	0	0	0	0	0	0	0	0	1,534
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	24,574	0	0	0	0	0	0	0	0	0	0	0	0	24,574
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	314,143	0	0	0	0	0	0	0	0	0	0	0	0	314,143
	825-Clearings	-330,996	0	0	0	0	0	0	0	0	0	0	0	0	-330,996
	Clr Sum	-330,996	0	0	0	0	0	0	0	0	0	0	0	0	-330,996
	Proj Net	-16,853	0	0	0	0	0	0	0	0	0	0	0	0	-16,853

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***Project No: 10030516 Edith Service Center Comm & Relay Bldg VRT Replacement***

Company: 001-Electric Services  
Location: 100 Distribution

Project Information

Construction Start Date 5/1/2016 Estimated Completion Date 10/31/2016

List Interim In-Service Dates

Project Need Justification

This project is for the renovation to the Edith Service Center Communications and Relay building office space, in an effort to improve working conditions and information protection controls for the area. The work will involve converting existing and non-essential space into a Vault Type Room (VTR) by removing one existing wall, adding a wall to enclose the area, and outfitting the doors with electronic card access readers for increased control and intrusion detection. The new VTR program will be focused on preventing the loss or inadvertent release of data. A consequence of a unsecure workplace could result in unauthorized access of personnel, unwanted data distribution, and various other negative impacts or damages that would easily result in regulatory penalties diminished Company reputation. The new VTR will comply with North American Energy Reliability Corporation (NERC) Critical Infrastructure Protection (CIP) requirements as outlined in PNM Policy 305.1.

Project Alternatives

There are no alternatives to this project. Doing nothing would place the facility and Company in risk of being out of compliance with NERC standards and expose the company to substantial fines.

Technical Aspects

This project includes removal of an existing wall and related asbestos, construction of a new wall, and the installation of secure doors and ceiling infrastructure. Additional installation will include shelving, cabinets, desk, air distribution panels, fire system components, telephone lines and data lines.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	10030516	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	14,000	12,000	0	0	0	26,000		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-133	0	0	-133		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	1,165	998	0	0	0	2,163		
928-AFUDC Debt Reg	0			0	17	49	64	0	0	130		
929-AFUDC - Equity Regular	0			0	19	53	69	0	0	140		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	15,200	13,100	0	0	0	28,301		
825-Clearings	0			0	0	0	-28,301	0	0	-28,301		
Clr Sum	0			0	0	0	-28,301	0	0	-28,301		
Proj Net	0			0	15,200	13,100	-28,301	0	0	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	10030516	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	26,000	0	0	0	0	0	0	0	0	0	0	0	0	26,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-133	0	0	0	0	0	0	0	0	0	0	0	0	-133
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	2,163	0	0	0	0	0	0	0	0	0	0	0	0	2,163
	928-AFUDC Debt Reg	130	0	0	0	0	0	0	0	0	0	0	0	0	130
	929-AFUDC - Equity Regular	140	0	0	0	0	0	0	0	0	0	0	0	0	140
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	28,301	0	0	0	0	0	0	0	0	0	0	0	0	28,301
	825-Clearings	-28,301	0	0	0	0	0	0	0	0	0	0	0	0	-28,301
	Clr Sum	-28,301	0	0	0	0	0	0	0	0	0	0	0	0	-28,301
Proj Net		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	10030516	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	26,000	0	0	0	0	0	0	0	0	0	0	0	0	26,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-133	0	0	0	0	0	0	0	0	0	0	0	0	-133
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	2,163	0	0	0	0	0	0	0	0	0	0	0	0	2,163
	928-AFUDC Debt Reg	130	0	0	0	0	0	0	0	0	0	0	0	0	130
	929-AFUDC - Equity Regular	140	0	0	0	0	0	0	0	0	0	0	0	0	140
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	28,301	0	0	0	0	0	0	0	0	0	0	0	0	28,301
	825-Clearings	-28,301	0	0	0	0	0	0	0	0	0	0	0	0	-28,301
	Clr Sum	-28,301	0	0	0	0	0	0	0	0	0	0	0	0	-28,301
Proj Net		0	0	0	0	0	0	0	0	0	0	0	0	0	0

***Project No: 10030616 Edith Service Center Fleet Building Evaporative Cooler Replacement***

Company: 001-Electric Services  
Location: 100 Distribution

Project Information

Construction Start Date                      5/1/2016                      Estimated Completion Date                      10/31/2016

List Interim In-Service Dates

Project Need Justification

Currently, the Fleet Department has five rooftop evaporative coolers that have reached their useful life expectancy. These units are experiencing physical and mechanical failures, and has fallen victim to severe corrosion. This has affected the water basin, resulting in water leaking onto the metal roof, creating additional corrosion to the roof and exterior building wall. Mechanical failures of corroded shafts, worn and corroded bearings, low cubic feet per minute (CFM) output, and broken water distribution lines. Though the current units are rated for residential use at 3,500 CFM, this project aims to replace them with five new evaporative coolers rated at 10,000 CFM each and specified for heavy commercial and industrial use. The existing electrical structure cannot support the new units and is outdated and poses a safety risk. A new electrical structure, conduit raceway, conductors, and equipment that complies with North American Energy Reliability Corporation (NERC) and National Fire Protection Association (NFPA) codes will be installed. The new equipment will also require less kilowatt usage and will increase efficiency.

Project Alternatives

The only alternative to this project is to continue to make equipment repairs as each fails. Engineering has determined this equipment to beyond economical repair. It is possible that eventually the equipment or system would be unrepairable.

Technical Aspects

This project includes removal of current evaporative coolers, installation of five commercial evaporative coolers, installation of one 480/277 Voltage Output High (VOH), 200 amp, 42-circuit panel board, and one 200 amp breaker in the main 480 panel. These new coolers will provide the needed reliable cooling for the building.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	10030616	Year	2016								
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0			0	0	0	0	0	0	0	
120-Overtime-General	0			0	0	0	0	0	0	0	
350-Material Issues-Major	0			0	0	0	0	0	0	0	
370-Outside Services	0			30,000	30,000	0	0	0	0	60,000	
374-Outside Svcs Legal	0			0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0	
530-Employee Expense	0			0	0	0	0	0	0	0	
610-Expenses - General	0			0	0	0	0	0	0	0	
805-Land and Land Rights	0			0	0	0	0	0	0	0	
807-Non Refundable Contribution	0			0	0	0	0	0	0	0	
829-Construction Adjustment	0			0	0	0	-307	0	0	-307	
426-Capitalized Interest	0			0	0	0	0	0	0	0	
908-Luna AR - Labor	0			0	0	0	0	0	0	0	
909-Luna AR - Other	0			0	0	0	0	0	0	0	
913-Payroll Taxes Load	0			0	0	0	0	0	0	0	
914-Pension and Benefits Load	0			0	0	0	0	0	0	0	
915-Injuries and Damages Load	0			0	0	0	0	0	0	0	
918-San Juan AR-Labor	0			0	0	0	0	0	0	0	
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0	
922-Minor Material Load	0			0	0	0	0	0	0	0	
925-E and S Loads	0			0	0	0	0	0	0	0	
926-A and G Loads	0			2,496	2,496	0	0	0	0	4,992	
928-AFUDC Debt Reg	0			37	110	147	148	0	0	441	
929-AFUDC - Equity Regular	0			40	119	159	160	0	0	478	
937-San Juan AR - Other	0			0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0	
Cost Sum	0			32,572	32,725	307	0	0	0	65,604	
825-Clearings	0			0	0	0	-65,604	0	0	-65,604	
Clr Sum	0			0	0	0	-65,604	0	0	-65,604	
Proj Net	0			32,572	32,725	307	-65,604	0	0	0	

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	10030616	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	60,000	0	0	0	0	0	0	0	0	0	0	0	0	60,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-307	0	0	0	0	0	0	0	0	0	0	0	0	-307
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	4,992	0	0	0	0	0	0	0	0	0	0	0	0	4,992
	928-AFUDC Debt Reg	441	0	0	0	0	0	0	0	0	0	0	0	0	441
	929-AFUDC - Equity Regular	478	0	0	0	0	0	0	0	0	0	0	0	0	478
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	65,604	0	0	0	0	0	0	0	0	0	0	0	0	65,604
	825-Clearings	-65,604	0	0	0	0	0	0	0	0	0	0	0	0	-65,604
	Clr Sum	-65,604	0	0	0	0	0	0	0	0	0	0	0	0	-65,604
	Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	10030616	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	60,000	0	0	0	0	0	0	0	0	0	0	0	0	60,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-307	0	0	0	0	0	0	0	0	0	0	0	0	-307
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	4,992	0	0	0	0	0	0	0	0	0	0	0	0	4,992
	928-AFUDC Debt Reg	441	0	0	0	0	0	0	0	0	0	0	0	0	441
	929-AFUDC - Equity Regular	478	0	0	0	0	0	0	0	0	0	0	0	0	478
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	65,604	0	0	0	0	0	0	0	0	0	0	0	0	65,604
	825-Clearings	-65,604	0	0	0	0	0	0	0	0	0	0	0	0	-65,604
	Clr Sum	-65,604	0	0	0	0	0	0	0	0	0	0	0	0	-65,604
Proj Net		0	0	0	0	0	0	0	0	0	0	0	0	0	0

***Project No: 10030617 Admin AV Equipment Upgrades***

Company: 001-Electric Services  
Location: 100 Distribution

Project Information

Construction Start Date 4/1/2017 Estimated Completion Date 7/31/2017

List Interim In-Service Dates

Project Need Justification

This project provides audio-visual equipment for two conference rooms and upgrades an existing projector for a third conference room in the Administration Building at the Albuquerque Electric Service Center. The monitors requested for the two conference rooms will enable more productive and efficient meetings through on-screen sharing of files and documents as well as provide the option for remote attendance, which will reduce expenses related to travel. The upgrades to the third conference room will enable a larger projector screen to accommodate bigger audience meetings/presentations and additional monitors for use with smaller groups.

Project Alternatives

There are no other alternatives to this project except to do nothing. PNM has received quotes for several monitor and projector sizes, including set-up costs, for the three rooms. A small team of conference room users will seek updated quotes and select the best options.

Technical Aspects

The plan includes adding a 70" high definition (HD) display and an HD projector with 52" by 92" screen for the large Sandia conference room, a 70" HD display for the Zia conference room and an 80" HD display monitor for conference room 235.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	10030617	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	0	0	0	0		
825-Clearings	0			0	0	0	0	0	0	0		
Clr Sum	0			0	0	0	0	0	0	0		
Proj Net	0			0	0	0	0	0	0	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	10030617	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	5,000	4,000	0	0	0	0	0	0	0	9,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	30,000	0	0	0	0	0	0	0	30,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	392	314	0	0	0	0	0	0	0	706
	914-Pension and Benefits Load	0	0	0	0	1,365	1,092	0	0	0	0	0	0	0	2,456
	915-Injuries and Damages Load	0	0	0	0	311	249	0	0	0	0	0	0	0	560
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	0	0	0	0	336	2,285	0	0	0	0	0	0	0	2,621
	928-AFUDC Debt Reg	0	0	0	0	10	69	119	119	0	0	0	0	0	316
	929-AFUDC - Equity Regular	0	0	0	0	13	90	156	157	0	0	0	0	0	415
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	0	0	0	0	7,426	38,098	274	276	0	0	0	0	0	46,074
	825-Clearings	0	0	0	0	0	0	0	-46,074	0	0	0	0	0	-46,074
	Clr Sum	0	0	0	0	0	0	0	-46,074	0	0	0	0	0	-46,074
	Proj Net	0	0	0	0	7,426	38,098	274	-45,798	0	0	0	0	0	0

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	10030617	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	9,000	0	0	0	0	0	0	0	0	0	0	0	0	9,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	30,000	0	0	0	0	0	0	0	0	0	0	0	0	30,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	706	0	0	0	0	0	0	0	0	0	0	0	0	706
	914-Pension and Benefits Load	2,456	0	0	0	0	0	0	0	0	0	0	0	0	2,456
	915-Injuries and Damages Load	560	0	0	0	0	0	0	0	0	0	0	0	0	560
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	2,621	0	0	0	0	0	0	0	0	0	0	0	0	2,621
	928-AFUDC Debt Reg	316	0	0	0	0	0	0	0	0	0	0	0	0	316
	929-AFUDC - Equity Regular	415	0	0	0	0	0	0	0	0	0	0	0	0	415
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	46,074	0	0	0	0	0	0	0	0	0	0	0	0	46,074
	825-Clearings	-46,074	0	0	0	0	0	0	0	0	0	0	0	0	-46,074
	Clr Sum	-46,074	0	0	0	0	0	0	0	0	0	0	0	0	-46,074
	Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

***Project No: 15001715 Tularosa/Alamo Transformer***

Company: 001-Electric Services

Location: 150 Distribution

Project Information

Construction Start Date 7/1/2015

Estimated Completion Date 8/31/2016

List Interim In-Service Dates

Project Need Justification

This project is to replace the failed 25-12.47kV, 5 Mega Volt Ampere (MVA) transformer in Tularosa Substation with a new 115-12.47kV, 22.4 MVA transformer with a four feeder switchgear to permanently restore service to the Tularosa area. This plan of service has the advantage of eliminating the non-standard 25/12.47kV transformer and improving reliability due to the 115kV source. The added transformer capacity in Tularosa allows for the construction of a new Tularosa Feeder 13 to reduce the load on Alamogordo Feeder 12-12 and the Alamogordo North transformer. The added transformer and feeder capacity allows Tularosa Substation to provide backup support for Alamogordo Feeder 12-12 in the event of an Alamogordo North transformer outage. Likewise, the added transformer capacity can also serve north Alamogordo where long-term growth is expected. Also, since the "Alamogordo Substation Capacity Study" completed by Distribution Planning in April 2012, assumed that a substation transformer would always be located in Tularosa, installing a 115/12.47kV 22.4 MVA transformer in Tularosa Substation is the best long-term solution. Funds would cover the major equipment, minor material, engineering, internal and external labor and construction management.

Project Alternatives

One alternative considered was replacing the failed transformer with one of the same voltage classification and rating. This alternative was dismissed because the 25-12.47kV transformer is considered non-standard PNM equipment. A second alternative considered was replacing the existing 115-25kV, 10 MVA transformer in the Alamogordo 2 Station with a 115-12.47kV, 22.4 MVA transformer and eliminating the failed Tularosa 25-12.47kV, 5 MVA transformer. This alternative would require repairing and reconductoring the existing 11-mile long 25kV Alamogordo 20-10 circuit so that the entire Tularosa load could be served from the Alamogordo 2 Station. New capacitor banks and voltage regulators would also need to be installed on Alamogordo 20-10 for voltage regulation on the 11 mile line. Distribution Planning's high level analysis of Alternative 2 showed that maintaining American National Standards Institute (ANSI) C84.1 Range A voltage in Tularosa while serving the entire Tularosa load through the 11 mile long refurbished Alamogordo 20-10 line operated at 12.47kV would be a challenge. Preliminary results show that the new capacitors and voltage settings required for the new voltage regulators during peak load conditions to prevent low voltage below ANSI C84.1 Range A would cause over-voltage in Tularosa during medium to light load conditions. A detailed study to carefully coordinate these devices would need to be completed to see if ANSI C84.1 Range A voltage could be maintained for all load conditions. Also, this option would require that the Alamogordo 20-10 line be rebuilt and recondored immediately, adding a significant cost to the project. The final alternative was the one chosen as it best resolves the issues related to the failed transformer, permanently restores service to the area, eliminates a non-standard transformer, and facilitates the construction of the new Tularosa

Feeder.

#### Technical Aspects

This project is to replace the failed 25-12.47kV, 5 MVA transformer in Tularosa Substation with a new 115-12.47kV, 22.4 MVA transformer with a four feeder switchgear. The project also includes connecting the transformer to two existing Tularosa feeders and building a third feeder getaway to an existing overhead distribution line so that a third Tularosa feeder can be placed into service. Other equipment will include a steel tap structure, switches, station steel, and distribution feeder materials including wire, poles, and insulators.

#### Project Estimate Approach

This project was estimated using the standard procedure used by System Engineering. Basic material is estimated using actual costs of past projects. These figures are updated in the estimating software periodically. For major equipment including the transformer and switchgear, we contacted our alliance vendors (SPX/Waukesha, and Central Electric/AZZ) and requested information regarding the costs and schedules of these major items. Labor and contractor estimates were created from past projects that are similar in nature, for this project past unit substation project (Prager Substation) was referenced. The equipment costs are estimated at approximately 50% of the total cost to install. Engineering costs are estimated at approximately 10% of the total cost to install. Internal and external labor and construction management are estimated at approximately 40% of the total installation cost.

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15001715	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			49	0	0	0	0	0	49		
929-AFUDC - Equity Regular	0			53	0	0	0	0	0	53		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			102	0	0	0	0	0	102		
825-Clearings	0			-21,840	0	0	0	0	0	-21,840		
Clr Sum	0			-21,840	0	0	0	0	0	-21,840		
Proj Net	0			-21,738	0	0	0	0	0	-21,738		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15001715	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	928-AFUDC Debt Reg	49	0	0	0	0	0	0	0	0	0	0	0	0	49
	929-AFUDC - Equity Regular	53	0	0	0	0	0	0	0	0	0	0	0	0	53
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	102	0	0	0	0	0	0	0	0	0	0	0	0	102
	825-Clearings	-21,840	0	0	0	0	0	0	0	0	0	0	0	0	-21,840
	Clr Sum	-21,840	0	0	0	0	0	0	0	0	0	0	0	0	-21,840
	Proj Net	-21,738	0	0	0	0	0	0	0	0	0	0	0	0	-21,738

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15001715	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
928-AFUDC Debt Reg	49	0	0	0	0	0	0	0	0	0	0	0	0	49	
929-AFUDC - Equity Regular	53	0	0	0	0	0	0	0	0	0	0	0	0	53	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	102	0	0	0	0	0	0	0	0	0	0	0	0	102	
825-Clearings	-21,840	0	0	0	0	0	0	0	0	0	0	0	0	-21,840	
Clr Sum	-21,840	0	0	0	0	0	0	0	0	0	0	0	0	-21,840	
Proj Net	-21,738	0	0	0	0	0	0	0	0	0	0	0	0	-21,738	

**Project No: 15002516 Pole Grounds**

Company: 001-Electric Services  
Location: 150 Distribution

Project Information

Construction Start Date 1/1/2017 Estimated Completion Date

List Interim In-Service Dates

Project consists of many individual work orders packets which are placed in service at various times throughout the year.

Project Need Justification

A significant increase in recent copper thefts has driven the need to repair and replace copper grounds attached to distribution poles. Grounding replacements are necessary to ensure a safe and reliable electric system. This project involves the use of copper clad steel wire which has less recyclable value than the existing copper wire.

Project Alternatives

The only other alternative is to do nothing. Unfortunately, this approach does not address the occurrence of copper theft and places PNM employees and system reliability at risk if the copper grounds are damaged or stolen. Therefore PNM has decided that it will replace the existing copper grounds with a copper clad steel wire which has less recyclable value and will be less likely to be stolen.

Technical Aspects

Pole grounds are required on all poles with equipment attached, such as transformers, capacitors, risers, and switches and at a minimum at least four grounds per mile of overhead line when equipment is not attached to poles. Pole grounds are wires attached to equipment on the pole and/or attached to the neutral conductor running the length of the pole and attached to a ground rod placed at the base of the pole. #4 copper clad steel wire is used for general pole grounding, 2/0 copper clad steel wire is used for grounding poles with pole mounted switches or backbone conductor risers attached to the poles.

Project Estimate Approach

N/A



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15002516	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	0	0	0	0		
825-Clearings	0			0	0	0	0	0	0	0		
Clr Sum	0			0	0	0	0	0	0	0		
Proj Net	0			0	0	0	0	0	0	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15002516	Year	2017											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	0	500	850	1,250	1,250	2,750	2,750	2,750	2,750	2,680	1,570	950	700	20,750
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350-Material Issues-Major	0	0	0	1,000	0	2,000	0	2,000	0	2,000	0	1,189	0	8,189
370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	0	0	150	0	50	150	0	0	150	0	150	0	150	800
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	0	39	67	98	98	216	216	216	216	210	123	74	55	1,627
914-Pension and Benefits Load	0	136	232	341	341	750	750	750	750	731	428	259	191	5,663
915-Injuries and Damages Load	0	31	53	78	78	171	171	171	171	167	98	59	44	1,291
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	0	0	0	173	0	346	0	346	0	346	0	206	0	1,417
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads	0	136	259	531	349	1,159	746	1,130	775	1,111	455	486	219	7,357
926-A and G Loads	0	34	67	151	87	329	185	319	195	314	116	144	57	1,998
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	0	876	1,678	3,622	2,253	7,872	4,818	7,683	5,007	7,560	2,940	3,367	1,415	49,092
825-Clearings	0	0	-1,277	0	-3,576	0	-8,133	0	-10,411	0	-10,456	0	-15,238	-49,092
Clr Sum	0	0	-1,277	0	-3,576	0	-8,133	0	-10,411	0	-10,456	0	-15,238	-49,092
Proj Net	0	876	401	3,622	-1,323	7,872	-3,315	7,683	-5,404	7,560	-7,516	3,367	-13,823	0

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15002516	Year	2018											
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
110-Straight Time-General	20,750	500	750	500	1,750	1,850	1,950	1,850	1,950	1,800	1,677	750	450	36,527
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350-Material Issues-Major	8,189	0	0	1,000	0	1,500	0	1,500	1,700	0	0	1,500	0	15,389
370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-Expenses - General	800	0	150	0	50	150	0	0	150	0	150	0	150	1,600
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
913-Payroll Taxes Load	1,627	39	59	39	137	145	153	145	153	141	131	59	35	2,864
914-Pension and Benefits Load	5,663	136	205	136	478	505	532	505	532	491	458	205	123	9,968
915-Injuries and Damages Load	1,291	31	47	31	109	115	121	115	121	112	104	47	28	2,272
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	1,417	0	0	173	0	260	0	260	294	0	0	260	0	2,662
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925-E and S Loads	7,357	136	232	328	485	819	529	790	884	489	484	492	151	13,175
926-A and G Loads	1,998	34	60	101	121	235	131	225	255	121	123	151	40	3,596
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Sum	49,092	876	1,503	2,308	3,129	5,579	3,417	5,390	6,040	3,154	3,127	3,462	977	88,054
825-Clearings	-49,092	0	-1,189	0	-3,313	0	-6,154	0	-8,792	0	-7,536	0	-11,976	-88,054
Clr Sum	-49,092	0	-1,189	0	-3,313	0	-6,154	0	-8,792	0	-7,536	0	-11,976	-88,054
Proj Net	0	876	313	2,308	-184	5,579	-2,738	5,390	-2,752	3,154	-4,409	3,462	-10,999	0

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***Project No: 15034011 WNM Engineering Tools and Equip***

Company: 034-PNM TNMPNM Distribution  
Location: 150 Distribution

Project Information

<u>Construction Start Date</u>	1/1/2015	<u>Estimated Completion Date</u>
<u>List Interim In-Service Dates</u>		

Project consists of individual work orders which are placed in service at various times throughout the year.

Project Need Justification

This project entails purchasing new equipment for the Engineering Department. The new equipment will replace defective and obsolete equipment which will enable the Engineering Department to improve productivity and the safety of its employees while performing work.

Project Alternatives

There are no other alternatives for this project. By not purchasing the equipment, the effectiveness of PNM employees conducting distribution works will be negatively impacted (potentially increasing costs as time required to perform work will take longer). Replacing the defective equipment is the appropriate option as it provides the Engineering Department employees with properly functioning equipment to perform their work tasks.

Technical Aspects

Replacement equipment could include recording devices for power and voltage monitoring, surveying equipment for engineering of power lines (e.g., transit, range finder, and GPS Surveyor Unit) and plotters for engineering map production.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15034011	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	0	0	0	0		
825-Clearings	0			0	0	0	0	0	0	0		
Clr Sum	0			0	0	0	0	0	0	0		
Proj Net	0			0	0	0	0	0	0	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15034011	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	3,900	1	0	0	4,000	0	0	1	4,000	0	11,902
	370-Outside Services	0	0	0	0	0	0	0	125	0	0	0	0	0	125
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	10	20	4	4	15	5	5	5	16	27	112
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	675	0	0	0	692	0	0	0	692	0	2,059
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	0	0	0	262	0	0	0	277	0	0	0	269	0	808
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	0	0	0	4,847	21	4	4	5,109	5	5	6	4,976	27	15,005
	825-Clearings	0	0	0	0	-3,895	0	0	-4,873	0	0	0	0	-6,238	-15,005
	Clr Sum	0	0	0	0	-3,895	0	0	-4,873	0	0	0	0	-6,238	-15,005
	Proj Net	0	0	0	4,847	-3,873	4	4	236	5	5	6	4,976	-6,211	0

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15034011	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	11,902	0	0	3,900	0	0	0	4,000	0	0	0	4,000	0	23,802	
370-Outside Services	125	0	0	0	0	0	0	125	0	0	0	0	0	250	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	112	0	0	11	20	4	4	13	4	4	4	13	22	211	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	2,059	0	0	675	0	0	0	692	0	0	0	692	0	4,118	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	808	0	0	262	0	0	0	277	0	0	0	269	0	1,616	
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	15,005	0	0	4,847	20	4	4	5,107	4	4	4	4,974	22	29,997	
825-Clearings	-15,005	0	0	0	-3,894	0	0	-4,871	0	0	0	0	-6,226	-29,997	
Clr Sum	-15,005	0	0	0	-3,894	0	0	-4,871	0	0	0	0	-6,226	-29,997	
Proj Net	0	0	0	4,847	-3,874	4	4	237	4	4	4	4,974	-6,204	0	

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## Project Information

### List Interim In-Service Dates

Upgrading existing generator and power for site to 50KW unit. Also upgrading transformer and service meter to 200 amp service. The existing generator plant is no longer capable of maintaining site load in an outage situation. The existing generator is also in poor condition due to the frequent outages in which it takes the load. This risk distribution SCADA for the area. Due to the remote location, it is at risk for long term outages, especially in the winter when the site is not easily accessible.

Keep existing generator in place and risk a site outage.

The existing generator was only 10KW and barely supported the existing site load. This resulted in shutting itself off frequently due to overheating as it was operating above its limits. The new generator and AC service allows the emergency to both carry the existing load reliably and has enough capacity to allow for future growth.

### Fixed Price



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15034016	Year	2016									
Cost Type		Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General		0		2,000	2,000	2,000	2,000	0	0	8,000		
120-Overtime-General		0		0	0	0	0	0	0	0		
350-Material Issues-Major		0		0	0	0	0	0	0	0		
370-Outside Services		0		10,000	20,000	20,000	20,000	0	0	70,000		
374-Outside Svcs Legal		0		0	0	0	0	0	0	0		
377-Outside Services-Temp Labor		0		0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor		0		0	0	0	0	0	0	0		
530-Employee Expense		0		0	0	0	0	0	0	0		
610-Expenses - General		0		0	0	0	0	0	0	0		
805-Land and Land Rights		0		0	0	0	0	0	0	0		
807-Non Refundable Contribution		0		0	0	0	0	0	0	0		
829-Construction Adjustment		0		0	0	0	-356	-356	0	-713		
426-Capitalized Interest		0		0	0	0	0	0	0	0		
908-Luna AR - Labor		0		0	0	0	0	0	0	0		
909-Luna AR - Other		0		0	0	0	0	0	0	0		
913-Payroll Taxes Load		0		157	157	157	157	0	0	630		
914-Pension and Benefits Load		0		599	599	599	599	0	0	2,395		
915-Injuries and Damages Load		0		130	130	130	130	0	0	522		
918-San Juan AR-Labor		0		0	0	0	0	0	0	0		
921-Stores / Purchasing Load		0		0	0	0	0	0	0	0		
922-Minor Material Load		0		0	0	0	0	0	0	0		
925-E and S Loads		0		0	0	0	0	0	0	0		
926-A and G Loads		0		998	1,830	1,830	1,830	0	0	6,490		
928-AFUDC Debt Reg		0		16	59	115	171	199	0	560		
929-AFUDC - Equity Regular		0		17	64	125	185	215	0	607		
937-San Juan AR - Other		0		0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V		0		0	0	0	0	0	0	0		
Cost Sum		0		13,918	24,840	24,957	24,717	58	0	88,490		
825-Clearings		0		0	0	0	0	-88,490	0	-88,490		
Clr Sum		0		0	0	0	0	-88,490	0	-88,490		
Proj Net		0		13,918	24,840	24,957	24,717	-88,432	0	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15034016	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	8,000	0	0	0	0	0	0	0	0	0	0	0	0	8,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	70,000	0	0	0	0	0	0	0	0	0	0	0	0	70,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-713	0	0	0	0	0	0	0	0	0	0	0	0	-713
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	630	0	0	0	0	0	0	0	0	0	0	0	0	630
	914-Pension and Benefits Load	2,395	0	0	0	0	0	0	0	0	0	0	0	0	2,395
	915-Injuries and Damages Load	522	0	0	0	0	0	0	0	0	0	0	0	0	522
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	6,490	0	0	0	0	0	0	0	0	0	0	0	0	6,490
	928-AFUDC Debt Reg	560	0	0	0	0	0	0	0	0	0	0	0	0	560
	929-AFUDC - Equity Regular	607	0	0	0	0	0	0	0	0	0	0	0	0	607
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	88,490	0	0	0	0	0	0	0	0	0	0	0	0	88,490
	825-Clearings	-88,490	0	0	0	0	0	0	0	0	0	0	0	0	-88,490
	Clr Sum	-88,490	0	0	0	0	0	0	0	0	0	0	0	0	-88,490
Proj Net		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15034016	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	8,000	0	0	0	0	0	0	0	0	0	0	0	0	8,000
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	70,000	0	0	0	0	0	0	0	0	0	0	0	0	70,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-713	0	0	0	0	0	0	0	0	0	0	0	0	-713
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	630	0	0	0	0	0	0	0	0	0	0	0	0	630
	914-Pension and Benefits Load	2,395	0	0	0	0	0	0	0	0	0	0	0	0	2,395
	915-Injuries and Damages Load	522	0	0	0	0	0	0	0	0	0	0	0	0	522
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	6,490	0	0	0	0	0	0	0	0	0	0	0	0	6,490
	928-AFUDC Debt Reg	560	0	0	0	0	0	0	0	0	0	0	0	0	560
	929-AFUDC - Equity Regular	607	0	0	0	0	0	0	0	0	0	0	0	0	607
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	88,490	0	0	0	0	0	0	0	0	0	0	0	0	88,490
	825-Clearings	-88,490	0	0	0	0	0	0	0	0	0	0	0	0	-88,490
	Clr Sum	-88,490	0	0	0	0	0	0	0	0	0	0	0	0	-88,490
Proj Net		0	0	0	0	0	0	0	0	0	0	0	0	0	0

***Project No: 15230616 Ruidoso Customer Building HVAC Replacement***

Company: 034-PNM TNMPNM Distribution  
Location: 152 Distribution

Project Information

Construction Start Date 6/1/2016 Estimated Completion Date 12/31/2016

List Interim In-Service Dates

Project Need Justification

This project will replace the Heating Ventilation & Air Conditioning (HVAC) system in the Ruidoso Customer Payment Center. The current units are outdated and past their useful life. They are no longer repairable to meet ongoing and reliable operation.

Project Alternatives

This funding is for replacement of equipment that is determined to be beyond repair. The alternative is to make equipment repairs as breakdown occurs. This expense would be paid from limited O&M budget funds instead of Capital. It is possible that eventually the equipment or system would be unrepairable.

Technical Aspects

This project includes removal of the current heat pumps and air handling units, and installation of four new heat pumps, two four-ton and two five-ton cooling units. The project cost also includes removal of the current systems, installation, and related plumbing work.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15230616	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	10,000	10,000	10,000	0	0	30,000		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-127	-127	-127	-382		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	832	832	832	0	0	2,496		
928-AFUDC Debt Reg	0			0	12	37	61	73	73	257		
929-AFUDC - Equity Regular	0			0	13	40	66	79	79	278		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	10,857	10,908	10,832	25	26	32,649		
825-Clearings	0			0	0	0	0	0	-32,649	-32,649		
Clr Sum	0			0	0	0	0	0	-32,649	-32,649		
Proj Net	0			0	10,857	10,908	10,832	25	-32,623	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15230616	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	30,000	0	0	0	0	0	0	0	0	0	0	0	0	30,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-382	0	0	0	0	0	0	0	0	0	0	0	0	-382
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	2,496	0	0	0	0	0	0	0	0	0	0	0	0	2,496
	928-AFUDC Debt Reg	257	0	0	0	0	0	0	0	0	0	0	0	0	257
	929-AFUDC - Equity Regular	278	0	0	0	0	0	0	0	0	0	0	0	0	278
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	32,649	0	0	0	0	0	0	0	0	0	0	0	0	32,649
	825-Clearings	-32,649	0	0	0	0	0	0	0	0	0	0	0	0	-32,649
	Clr Sum	-32,649	0	0	0	0	0	0	0	0	0	0	0	0	-32,649
Proj Net		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project 15230616	Year	2018													
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
370-Outside Services	30,000	0	0	0	0	0	0	0	0	0	0	0	0	30,000	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	-382	0	0	0	0	0	0	0	0	0	0	0	0	-382	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	2,496	0	0	0	0	0	0	0	0	0	0	0	0	2,496	
928-AFUDC Debt Reg	257	0	0	0	0	0	0	0	0	0	0	0	0	257	
929-AFUDC - Equity Regular	278	0	0	0	0	0	0	0	0	0	0	0	0	278	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	32,649	0	0	0	0	0	0	0	0	0	0	0	0	32,649	
825-Clearings	-32,649	0	0	0	0	0	0	0	0	0	0	0	0	-32,649	
Clr Sum	-32,649	0	0	0	0	0	0	0	0	0	0	0	0	-32,649	
Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15501616	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	0	0	0	0		
825-Clearings	0			-49,464	0	0	0	0	0	-49,464		
Clr Sum	0			-49,464	0	0	0	0	0	-49,464		
Proj Net	0			-49,464	0	0	0	0	0	-49,464		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15501616	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	825-Clearings	-49,464	0	0	0	0	0	0	0	0	0	0	0	0	-49,464
	Clr Sum	-49,464	0	0	0	0	0	0	0	0	0	0	0	0	-49,464
	Proj Net	-49,464	0	0	0	0	0	0	0	0	0	0	0	0	-49,464

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15501616	Year	2018												
Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
370-Outside Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
926-A and G Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
928-AFUDC Debt Reg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
929-AFUDC - Equity Regular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cost Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
825-Clearings	-49,464	0	0	0	0	0	0	0	0	0	0	0	0	-49,464	
Clr Sum	-49,464	0	0	0	0	0	0	0	0	0	0	0	0	-49,464	
Proj Net	-49,464	0	0	0	0	0	0	0	0	0	0	0	0	-49,464	

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***Project No: 15530516 Silver City Building Renovations***

Company: 034-PNM TNMPNM Distribution

Location: 155 Distribution

**Project Information**

Construction Start Date 6/1/2016

Estimated Completion Date 11/30/2016

List Interim In-Service Dates

Project Need Justification

This project will renovate the Silver City office building including upgraded flooring, security badge access readers, and a large section of the customer service parking lot (specifically the handicapped parking area). The Company has received multiple complaints from wheelchair-bound customers that the area is very rough and has potholes, making it difficult to maneuver around. This project will improve the safety of the building and the parking lot.

Project Alternatives

This funding is for renovation of a building that is aged and deteriorating. The alternative is to maintain the current condition and assist with O&M dollars as budget allows instead of Capital funds. Doing nothing could result in injury or violations of the Americans with Disabilities Act (ADA) requirements.

Technical Aspects

This project scope includes interior painting, floor work and replacement of tile and carpet, and exterior parking lot repaving and striping.

Project Estimate Approach

N/A

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	15530516	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	20,000	20,000	10,000	0	0	50,000		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	-229	-229	0	-459		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	1,664	1,664	832	0	0	4,160		
928-AFUDC Debt Reg	0			0	24	73	110	122	0	330		
929-AFUDC - Equity Regular	0			0	26	79	119	132	0	358		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	21,715	21,817	10,832	25	0	54,389		
825-Clearings	0			0	0	0	0	-54,389	0	-54,389		
Clr Sum	0			0	0	0	0	-54,389	0	-54,389		
Proj Net	0			0	21,715	21,817	10,832	-54,364	0	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	15530516	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	50,000	0	0	0	0	0	0	0	0	0	0	0	0	50,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-459	0	0	0	0	0	0	0	0	0	0	0	0	-459
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	4,160	0	0	0	0	0	0	0	0	0	0	0	0	4,160
	928-AFUDC Debt Reg	330	0	0	0	0	0	0	0	0	0	0	0	0	330
	929-AFUDC - Equity Regular	358	0	0	0	0	0	0	0	0	0	0	0	0	358
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	54,389	0	0	0	0	0	0	0	0	0	0	0	0	54,389
	825-Clearings	-54,389	0	0	0	0	0	0	0	0	0	0	0	0	-54,389
	Clr Sum	-54,389	0	0	0	0	0	0	0	0	0	0	0	0	-54,389
	Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	15530516	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	50,000	0	0	0	0	0	0	0	0	0	0	0	0	50,000
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-459	0	0	0	0	0	0	0	0	0	0	0	0	-459
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	926-A and G Loads	4,160	0	0	0	0	0	0	0	0	0	0	0	0	4,160
	928-AFUDC Debt Reg	330	0	0	0	0	0	0	0	0	0	0	0	0	330
	929-AFUDC - Equity Regular	358	0	0	0	0	0	0	0	0	0	0	0	0	358
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	54,389	0	0	0	0	0	0	0	0	0	0	0	0	54,389
	825-Clearings	-54,389	0	0	0	0	0	0	0	0	0	0	0	0	-54,389
	Clr Sum	-54,389	0	0	0	0	0	0	0	0	0	0	0	0	-54,389
	Proj Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

***Project No: 41002814 Colinas Single Phase loop Galisteo Phase 1***

Company: 001-Electric Services  
Location: 410 Distribution

Project Information

Construction Start Date 1/1/2015 Estimated Completion Date 1/30/2017

List Interim In-Service Dates

N/A

Project Need Justification

When an underground fault occurs, over 100 customers are left without power for extended periods of time until the faulted cable is located and then repaired. The proposed project will improve reliability, the System Average Interruption Duration Index (SAIDI) and Customer Average Interruption Duration Index (CAIDI) numbers by installing a critically needed to loop long radial containing several transformers.

Project Alternatives

No other alternatives exist, and leaving the circuit as currently configured will allow the current trend of outages to continue, affecting a large percentage of the customer base.

Technical Aspects

Work will include the installation and replacement of single phase underground circuits to create looped circuits. Installed equipment will further include conduit and cable installation.

Project Estimate Approach

N/A



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	41002814	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	5,216		0	0	0	0	0	0	5,216		
	120-Overtime-General	0		0	0	0	0	0	0	0		
	350-Material Issues-Major	983		0	0	0	0	0	0	983		
	370-Outside Services	7,107		0	0	0	0	0	0	7,107		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	-202	-202	-202	-606		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	403		0	0	0	0	0	0	403		
	914-Pension and Benefits Load	1,445		0	0	0	0	0	0	1,445		
	915-Injuries and Damages Load	400		0	0	0	0	0	0	400		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	6,143		0	0	0	0	0	0	6,143		
	922-Minor Material Load	4,633		0	0	0	0	0	0	4,633		
	925-E and S Loads	1,946		0	0	0	0	0	0	1,946		
	926-A and G Loads	1,848		0	0	0	0	0	0	1,848		
	928-AFUDC Debt Reg	3,468		96	96	97	97	97	97	4,049		
	929-AFUDC - Equity Regular	4,271		104	104	105	105	105	105	4,899		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	37,862		200	201	202	0	0	0	38,465		
	825-Clearings	0		0	0	0	0	0	0	0		
	Clr Sum	0		0	0	0	0	0	0	0		
Proj Net		37,862		200	201	202	0	0	0	38,465		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	41002814	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	5,216	0	0	0	0	0	0	0	0	0	0	0	0	5,216
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	983	0	0	0	0	0	0	0	0	0	0	0	0	983
	370-Outside Services	7,107	0	0	0	0	0	0	0	0	0	0	0	0	7,107
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-606	-259	0	0	0	0	0	0	0	0	0	0	0	-866
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	403	0	0	0	0	0	0	0	0	0	0	0	0	403
914-Pension and Benefits Load	1,445	0	0	0	0	0	0	0	0	0	0	0	0	0	1,445
915-Injuries and Damages Load	400	0	0	0	0	0	0	0	0	0	0	0	0	0	400
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
921-Stores / Purchasing Load	6,143	0	0	0	0	0	0	0	0	0	0	0	0	0	6,143
922-Minor Material Load	4,633	0	0	0	0	0	0	0	0	0	0	0	0	0	4,633
	925-E and S Loads	1,946	0	0	0	0	0	0	0	0	0	0	0	0	1,946
	926-A and G Loads	1,848	0	0	0	0	0	0	0	0	0	0	0	0	1,848
	928-AFUDC Debt Reg	4,049	112	0	0	0	0	0	0	0	0	0	0	0	4,161
929-AFUDC - Equity Regular	4,899	147	0	0	0	0	0	0	0	0	0	0	0	0	5,047
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	38,465	0	0	0	0	0	0	0	0	0	0	0	0	38,465
	825-Clearings	0	-43,154	0	0	0	0	0	0	0	0	0	0	0	-43,154
	Clr Sum	0	-43,154	0	0	0	0	0	0	0	0	0	0	0	-43,154
	Proj Net	38,465	-43,154	0	0	0	0	0	0	0	0	0	0	0	-4,689

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	41002814	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	5,216	0	0	0	0	0	0	0	0	0	0	0	0	5,216
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	983	0	0	0	0	0	0	0	0	0	0	0	0	983
	370-Outside Services	7,107	0	0	0	0	0	0	0	0	0	0	0	0	7,107
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	-866	0	0	0	0	0	0	0	0	0	0	0	0	-866
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	403	0	0	0	0	0	0	0	0	0	0	0	0	403
	914-Pension and Benefits Load	1,445	0	0	0	0	0	0	0	0	0	0	0	0	1,445
	915-Injuries and Damages Load	400	0	0	0	0	0	0	0	0	0	0	0	0	400
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	6,143	0	0	0	0	0	0	0	0	0	0	0	0	6,143
	922-Minor Material Load	4,633	0	0	0	0	0	0	0	0	0	0	0	0	4,633
	925-E and S Loads	1,946	0	0	0	0	0	0	0	0	0	0	0	0	1,946
	926-A and G Loads	1,848	0	0	0	0	0	0	0	0	0	0	0	0	1,848
	928-AFUDC Debt Reg	4,161	0	0	0	0	0	0	0	0	0	0	0	0	4,161
	929-AFUDC - Equity Regular	5,047	0	0	0	0	0	0	0	0	0	0	0	0	5,047
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	38,465	0	0	0	0	0	0	0	0	0	0	0	0	38,465
	825-Clearings	-43,154	0	0	0	0	0	0	0	0	0	0	0	0	-43,154
	Clr Sum	-43,154	0	0	0	0	0	0	0	0	0	0	0	0	-43,154
	Proj Net	-4,689	0	0	0	0	0	0	0	0	0	0	0	0	-4,689

***Project No: 41003014 Paseo del tierra***

Company: 001-Electric Services  
Location: 410 Distribution

Project Information

Construction Start Date 8/1/2015 Estimated Completion Date 7/31/2016

List Interim In-Service Dates

Project Need Justification

This project is to extend the backbone feeder along Paseo de la Tierra to allow the addition of new loop configurations. These configurations are necessary for more reliable service and to shorten outage restoration times. On the existing radial system, the outages vary and may last up to 5 or more hours, which poses a severe impact to customers. With the elimination of single phase radials and a junction point associated with different feeders, this project will reduce safety hazards and operational inefficiency.

Project Alternatives

The alternatives are to continue to accept long outages, or maintain unsafe above ground temporary fixes until the crews are able to repair the fault or replace the cable. There are no other technical alternatives to this project.

Technical Aspects

This project involves the design, purchase of equipment and right-of-way (ROW), and the installation of necessary facilities for the purpose of creating single phase loops. Also, this project will extend the three-phase main feeder in order to install a new switch gear for the purpose of breaking up the loops.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	41003014	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	18,389		0	0	0	0	0	0	18,389		
	120-Overtime-General	858		0	0	0	0	0	0	858		
	350-Material Issues-Major	123,240		0	0	0	0	0	0	123,240		
	370-Outside Services	388,883		0	0	0	0	0	0	388,883		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	11		0	0	0	0	0	0	11		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	1,707		0	0	0	0	0	0	1,707		
	914-Pension and Benefits Load	6,446		0	0	0	0	0	0	6,446		
	915-Injuries and Damages Load	1,460		0	0	0	0	0	0	1,460		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	47,782		0	0	0	0	0	0	47,782		
	922-Minor Material Load	13,656		0	0	0	0	0	0	13,656		
	925-E and S Loads	91,596		0	0	0	0	0	0	91,596		
	926-A and G Loads	46,225		0	0	0	0	0	0	46,225		
	928-AFUDC Debt Reg	23,012		10	0	0	0	0	0	23,022		
	929-AFUDC - Equity Regular	22,503		11	0	0	0	0	0	22,514		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	785,769		20	0	0	0	0	0	785,790		
	825-Clearings	-804,749		-4,380	0	0	0	0	0	-809,129		
	Cir Sum	-804,749		-4,380	0	0	0	0	0	-809,129		
	Proj Net	-18,979		-4,360	0	0	0	0	0	-23,339		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	41003014	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	18,389	0	0	0	0	0	0	0	0	0	0	0	0	18,389
	120-Overtime-General	858	0	0	0	0	0	0	0	0	0	0	0	0	858
	350-Material Issues-Major	123,240	0	0	0	0	0	0	0	0	0	0	0	0	123,240
	370-Outside Services	388,883	0	0	0	0	0	0	0	0	0	0	0	0	388,883
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	11	0	0	0	0	0	0	0	0	0	0	0	0	11
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	1,707	0	0	0	0	0	0	0	0	0	0	0	0	1,707
	914-Pension and Benefits Load	6,446	0	0	0	0	0	0	0	0	0	0	0	0	6,446
	915-Injuries and Damages Load	1,460	0	0	0	0	0	0	0	0	0	0	0	0	1,460
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	47,782	0	0	0	0	0	0	0	0	0	0	0	0	47,782
	922-Minor Material Load	13,656	0	0	0	0	0	0	0	0	0	0	0	0	13,656
	925-E and S Loads	91,596	0	0	0	0	0	0	0	0	0	0	0	0	91,596
	926-A and G Loads	46,225	0	0	0	0	0	0	0	0	0	0	0	0	46,225
	928-AFUDC Debt Reg	23,022	0	0	0	0	0	0	0	0	0	0	0	0	23,022
	929-AFUDC - Equity Regular	22,514	0	0	0	0	0	0	0	0	0	0	0	0	22,514
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	785,790	0	0	0	0	0	0	0	0	0	0	0	0	785,790
	825-Clearings	-809,129	0	0	0	0	0	0	0	0	0	0	0	0	-809,129
	Clr Sum	-809,129	0	0	0	0	0	0	0	0	0	0	0	0	-809,129
	Proj Net	-23,339	0	0	0	0	0	0	0	0	0	0	0	0	-23,339

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	41003014	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	18,389	0	0	0	0	0	0	0	0	0	0	0	0	18,389
	120-Overtime-General	858	0	0	0	0	0	0	0	0	0	0	0	0	858
	350-Material Issues-Major	123,240	0	0	0	0	0	0	0	0	0	0	0	0	123,240
	370-Outside Services	388,883	0	0	0	0	0	0	0	0	0	0	0	0	388,883
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	11	0	0	0	0	0	0	0	0	0	0	0	0	11
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	1,707	0	0	0	0	0	0	0	0	0	0	0	0	1,707
	914-Pension and Benefits Load	6,446	0	0	0	0	0	0	0	0	0	0	0	0	6,446
	915-Injuries and Damages Load	1,460	0	0	0	0	0	0	0	0	0	0	0	0	1,460
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	47,782	0	0	0	0	0	0	0	0	0	0	0	0	47,782
	922-Minor Material Load	13,656	0	0	0	0	0	0	0	0	0	0	0	0	13,656
	925-E and S Loads	91,596	0	0	0	0	0	0	0	0	0	0	0	0	91,596
	926-A and G Loads	46,225	0	0	0	0	0	0	0	0	0	0	0	0	46,225
	928-AFUDC Debt Reg	23,022	0	0	0	0	0	0	0	0	0	0	0	0	23,022
	929-AFUDC - Equity Regular	22,514	0	0	0	0	0	0	0	0	0	0	0	0	22,514
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	785,790	0	0	0	0	0	0	0	0	0	0	0	0	785,790
	825-Clearings	-809,129	0	0	0	0	0	0	0	0	0	0	0	0	-809,129
	Clr Sum	-809,129	0	0	0	0	0	0	0	0	0	0	0	0	-809,129
	Proj Net	-23,339	0	0	0	0	0	0	0	0	0	0	0	0	-23,339

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	50001616	Year	2016									
Cost Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	311			0	0	0	0	0	0	311		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	53			0	0	0	0	0	0	53		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	1,687			0	0	0	0	0	0	1,687		
926-A and G Loads	711			0	0	0	0	0	0	711		
928-AFUDC Debt Reg	76			0	0	0	0	0	0	76		
929-AFUDC - Equity Regular	39			0	0	0	0	0	0	39		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	2,877			0	0	0	0	0	0	2,877		
825-Clearings	0			-11,111	0	0	0	0	0	-11,111		
Clr Sum	0			-11,111	0	0	0	0	0	-11,111		
Proj Net	2,877			-11,111	0	0	0	0	0	-8,234		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	50001616	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	311	0	0	0	0	0	0	0	0	0	0	0	0	311
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	53	0	0	0	0	0	0	0	0	0	0	0	0	53
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	1,687	0	0	0	0	0	0	0	0	0	0	0	0	1,687
	926-A and G Loads	711	0	0	0	0	0	0	0	0	0	0	0	0	711
	928-AFUDC Debt Reg	76	0	0	0	0	0	0	0	0	0	0	0	0	76
	929-AFUDC - Equity Regular	39	0	0	0	0	0	0	0	0	0	0	0	0	39
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	2,877	0	0	0	0	0	0	0	0	0	0	0	0	2,877
	825-Clearings	-11,111	0	0	0	0	0	0	0	0	0	0	0	0	-11,111
	Clr Sum	-11,111	0	0	0	0	0	0	0	0	0	0	0	0	-11,111
	Proj Net	-8,234	0	0	0	0	0	0	0	0	0	0	0	0	-8,234

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	50001616	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	311	0	0	0	0	0	0	0	0	0	0	0	0	311
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	53	0	0	0	0	0	0	0	0	0	0	0	0	53
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	1,687	0	0	0	0	0	0	0	0	0	0	0	0	1,687
	926-A and G Loads	711	0	0	0	0	0	0	0	0	0	0	0	0	711
	928-AFUDC Debt Reg	76	0	0	0	0	0	0	0	0	0	0	0	0	76
	929-AFUDC - Equity Regular	39	0	0	0	0	0	0	0	0	0	0	0	0	39
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	2,877	0	0	0	0	0	0	0	0	0	0	0	0	2,877
	825-Clearings	-11,111	0	0	0	0	0	0	0	0	0	0	0	0	-11,111
	Clr Sum	-11,111	0	0	0	0	0	0	0	0	0	0	0	0	-11,111
	Proj Net	-8,234	0	0	0	0	0	0	0	0	0	0	0	0	-8,234

*Project No: 60001617 Avian Improvements*

Company: 001-Electric Services  
Location: 600 Distribution

Project Information

Construction Start Date 1/1/2017 Estimated Completion Date 12/31/2021

List Interim In-Service Dates

Project consists of many individual work orders packets which are placed in service at various times throughout the year.

Project Need Justification

This project provides for the installation of covers and guarding materials to prevent wildlife from making contact with energized distribution equipment. This helps reduce outages and increase reliability. Birds are one of the top ten causes of outages.

Project Alternatives

Protective covers for energized equipment is often the most economical means of preventing electrocution of birds and other animals that cause outages, especially in retrofit applications. Other means include changing pole construction type or using broader spanning cross arms, however these are generally more expensive options and can also include the need to acquiring additional right-of-way easements which can be expensive or not possible. Wider cross arms also do not eliminate the need for equipment covers.

Technical Aspects

This project provides for the installation of protective covers over insulators, wires and other equipment in areas prone to outages caused by bird or small animal electrocution.

Project Estimate Approach

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	60001617	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	0			0	0	0	0	0	0	0		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	0			0	0	0	0	0	0	0		
914-Pension and Benefits Load	0			0	0	0	0	0	0	0		
915-Injuries and Damages Load	0			0	0	0	0	0	0	0		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	0			0	0	0	0	0	0	0		
926-A and G Loads	0			0	0	0	0	0	0	0		
928-AFUDC Debt Reg	0			0	0	0	0	0	0	0		
929-AFUDC - Equity Regular	0			0	0	0	0	0	0	0		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	0			0	0	0	0	0	0	0		
825-Clearings	0			0	0	0	0	0	0	0		
Clr Sum	0			0	0	0	0	0	0	0		
Proj Net	0			0	0	0	0	0	0	0		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	60001617	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	0	0	5,236	5,236	5,236	7,854	5,236	5,236	5,236	5,236	5,236	49,742
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	0	0	0	0	1,005	1,005	1,005	1,508	1,005	1,005	1,005	1,005	1,005	9,550
	926-A and G Loads	0	0	0	0	352	352	352	528	352	352	352	352	352	3,343
	928-AFUDC Debt Reg	0	0	0	0	9	26	43	65	87	104	122	140	158	755
	929-AFUDC - Equity Regular	0	0	0	0	11	34	57	85	114	137	160	184	208	990
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	0	0	0	0	6,613	6,653	6,693	10,040	6,794	6,835	6,876	6,917	6,959	64,380
	825-Clearings	0	0	0	0	0	0	0	0	0	0	0	0	-64,380	-64,380
	Clr Sum	0	0	0	0	0	0	0	0	0	0	0	0	-64,380	-64,380
	Proj Net	0	0	0	0	6,613	6,653	6,693	10,040	6,794	6,835	6,876	6,917	-57,421	0

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	60001617	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	0	0	79	79	79	79	79	79	79	79	79	79	79	869
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	49,742	1,279	988	988	1,185	1,185	1,185	1,185	1,185	1,185	1,185	1,185	1,185	63,662
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	6	6	6	6	6	6	6	6	6	6	6	68
	914-Pension and Benefits Load	0	0	22	22	22	22	22	22	22	22	22	22	22	237
	915-Injuries and Damages Load	0	0	5	5	5	5	5	5	5	5	5	5	5	54
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	9,550	246	211	211	249	249	249	249	249	249	249	249	249	12,459
	926-A and G Loads	3,343	86	72	72	85	85	85	85	85	85	85	85	85	4,336
	928-AFUDC Debt Reg	755	2	6	10	14	18	22	27	31	35	40	44	49	1,053
	929-AFUDC - Equity Regular	990	2	5	9	12	16	20	24	28	32	36	40	44	1,259
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	64,380	1,615	1,394	1,401	1,657	1,665	1,673	1,681	1,690	1,698	1,706	1,715	1,723	83,997
	825-Clearings	-64,380	0	0	0	0	0	0	0	0	0	0	0	-19,618	-83,997
	Clr Sum	-64,380	0	0	0	0	0	0	0	0	0	0	0	-19,618	-83,997
Proj Net		0	1,615	1,394	1,401	1,657	1,665	1,673	1,681	1,690	1,698	1,706	1,715	-17,894	0

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***Project No: 60001813 Plateau Fiber Project***

Company: 001-Electric Services  
Location: 600 Distribution

Project Information

Construction Start Date                      6/2/2014                      Estimated Completion Date                      5/30/2016

List Interim In-Service Dates

Project Need Justification

The project is to comply with PNM's contractual obligations in the Fiber Optic Construction and Exchange of Facilities Agreement between PNM and Plateau Telecommunications. Under one of the terms of the agreement, PNM builds and installs fiber cable on PNM Distribution facilities and provides Plateau an indefeasible right of use (IRU) for specific fiber strands on that cable. The cable is owned by PNM and Plateau reimburses PNM for the cost of the cable as well as any construction costs. This account will zero out upon completion of construction and reimbursement by Plateau.

Project Alternatives

There are no project alternative, the work is performed a contractual obligation. PNM is reimbursed all cost for materials and construction by Plateau.

Technical Aspects

The project involves material procurement for each task as well as contractor installation work. The work follows standard all-dielectric self-supporting (ADSS) and strand fiber cable construction practices. In addition, all work complies with National Electric Safety Code (NESC) standards. The work is further initiated by a purchase order (PO) from Plateau and material and construction costs are billed back to Plateau through PNM's Transmission and Distribution Assets group.

Project Estimate Approach

All task are estimated from actual supplier quotes for the material and a firm installation quote from an approved PNM contractor.



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	60001813	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	7,107		0	0	0	0	0	0	7,107		
	120-Overtime-General	14,410		0	0	0	0	0	0	14,410		
	350-Material Issues-Major	22,786		0	0	0	0	0	0	22,786		
	370-Outside Services	697,370		0	0	0	0	0	0	697,370		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	55		0	0	0	0	0	0	55		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	-858,529		0	0	0	0	0	0	-858,529		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	0		0	0	0	0	0	0	0		
	914-Pension and Benefits Load	0		0	0	0	0	0	0	0		
	915-Injuries and Damages Load	0		0	0	0	0	0	0	0		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	109		0	0	0	0	0	0	109		
	922-Minor Material Load	0		0	0	0	0	0	0	0		
	925-E and S Loads	3,018		0	0	0	0	0	0	3,018		
	926-A and G Loads	1,354		0	0	0	0	0	0	1,354		
	928-AFUDC Debt Reg	700		-97	0	0	0	0	0	603		
	929-AFUDC - Equity Regular	488		-105	0	0	0	0	0	383		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	-111,133		-202	0	0	0	0	0	-111,334		
	825-Clearings	-154,524		43,194	0	0	0	0	0	-111,330		
	Cir Sum	-154,524		43,194	0	0	0	0	0	-111,330		
	Proj Net	-265,657		42,992	0	0	0	0	0	-222,664		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	60001813	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	7,107	0	0	0	0	0	0	0	0	0	0	0	0	7,107
	120-Overtime-General	14,410	0	0	0	0	0	0	0	0	0	0	0	0	14,410
	350-Material Issues-Major	22,786	0	0	0	0	0	0	0	0	0	0	0	0	22,786
	370-Outside Services	697,370	0	0	0	0	0	0	0	0	0	0	0	0	697,370
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	55	0	0	0	0	0	0	0	0	0	0	0	0	55
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-858,529	0	0	0	0	0	0	0	0	0	0	0	0	0	-858,529
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	109	0	0	0	0	0	0	0	0	0	0	0	0	109
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	3,018	0	0	0	0	0	0	0	0	0	0	0	0	3,018
	926-A and G Loads	1,354	0	0	0	0	0	0	0	0	0	0	0	0	1,354
	928-AFUDC Debt Reg	603	0	0	0	0	0	0	0	0	0	0	0	0	603
	929-AFUDC - Equity Regular	383	0	0	0	0	0	0	0	0	0	0	0	0	383
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	-111,334	0	0	0	0	0	0	0	0	0	0	0	0	-111,334
	825-Clearings	-111,330	0	0	0	0	0	0	0	0	0	0	0	0	-111,330
	Clr Sum	-111,330	0	0	0	0	0	0	0	0	0	0	0	0	-111,330
	Proj Net	-222,664	0	0	0	0	0	0	0	0	0	0	0	0	-222,664

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	60001813	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	7,107	0	0	0	0	0	0	0	0	0	0	0	0	7,107
	120-Overtime-General	14,410	0	0	0	0	0	0	0	0	0	0	0	0	14,410
	350-Material Issues-Major	22,786	0	0	0	0	0	0	0	0	0	0	0	0	22,786
	370-Outside Services	697,370	0	0	0	0	0	0	0	0	0	0	0	0	697,370
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	55	0	0	0	0	0	0	0	0	0	0	0	0	55
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
807-Non Refundable Contribution	-858,529	0	0	0	0	0	0	0	0	0	0	0	0	0	-858,529
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	914-Pension and Benefits Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	915-Injuries and Damages Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	109	0	0	0	0	0	0	0	0	0	0	0	0	109
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	3,018	0	0	0	0	0	0	0	0	0	0	0	0	3,018
	926-A and G Loads	1,354	0	0	0	0	0	0	0	0	0	0	0	0	1,354
	928-AFUDC Debt Reg	603	0	0	0	0	0	0	0	0	0	0	0	0	603
	929-AFUDC - Equity Regular	383	0	0	0	0	0	0	0	0	0	0	0	0	383
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	-111,334	0	0	0	0	0	0	0	0	0	0	0	0	-111,334
	825-Clearings	-111,330	0	0	0	0	0	0	0	0	0	0	0	0	-111,330
	Clr Sum	-111,330	0	0	0	0	0	0	0	0	0	0	0	0	-111,330
	Proj Net	-222,664	0	0	0	0	0	0	0	0	0	0	0	0	-222,664



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	60001816	Year	2016									
Cost_Type	Bal 6/30/16			Jul	Aug	Sep	Oct	Nov	Dec	Total		
110-Straight Time-General	104			0	0	0	0	0	0	104		
120-Overtime-General	0			0	0	0	0	0	0	0		
350-Material Issues-Major	0			0	0	0	0	0	0	0		
370-Outside Services	0			0	0	0	0	0	0	0		
374-Outside Svcs Legal	0			0	0	0	0	0	0	0		
377-Outside Services-Temp Labor	0			0	0	0	0	0	0	0		
391-Jt Proj Bills to PNM-Non-Labor	0			0	0	0	0	0	0	0		
530-Employee Expense	0			0	0	0	0	0	0	0		
610-Expenses - General	0			0	0	0	0	0	0	0		
805-Land and Land Rights	0			0	0	0	0	0	0	0		
807-Non Refundable Contribution	0			0	0	0	0	0	0	0		
829-Construction Adjustment	0			0	0	0	0	0	0	0		
426-Capitalized Interest	0			0	0	0	0	0	0	0		
908-Luna AR - Labor	0			0	0	0	0	0	0	0		
909-Luna AR - Other	0			0	0	0	0	0	0	0		
913-Payroll Taxes Load	10			0	0	0	0	0	0	10		
914-Pension and Benefits Load	36			0	0	0	0	0	0	36		
915-Injuries and Damages Load	8			0	0	0	0	0	0	8		
918-San Juan AR-Labor	0			0	0	0	0	0	0	0		
921-Stores / Purchasing Load	0			0	0	0	0	0	0	0		
922-Minor Material Load	0			0	0	0	0	0	0	0		
925-E and S Loads	29			0	0	0	0	0	0	29		
926-A and G Loads	10			0	0	0	0	0	0	10		
928-AFUDC Debt Reg	2			0	0	0	0	0	0	2		
929-AFUDC - Equity Regular	1			0	0	0	0	0	0	1		
937-San Juan AR - Other	0			0	0	0	0	0	0	0		
961-Luna A&G PNMR D&V	0			0	0	0	0	0	0	0		
Cost Sum	200			0	0	0	0	0	0	200		
825-Clearings	0			0	0	0	0	0	0	0		
Cir Sum	0			0	0	0	0	0	0	0		
Proj Net	200			0	0	0	0	0	0	200		

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	60001816	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	104	0	1,000	1,000	0	0	0	0	0	0	0	0	0	2,104
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	0	0	18,000	18,345	0	0	0	0	0	0	0	0	0	36,345
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	10	0	78	78	0	0	0	0	0	0	0	0	0	166
	914-Pension and Benefits Load	36	0	273	273	0	0	0	0	0	0	0	0	0	582
	915-Injuries and Damages Load	8	0	62	62	0	0	0	0	0	0	0	0	0	132
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	29	0	3,727	3,794	0	0	0	0	0	0	0	0	0	7,550
	926-A and G Loads	10	0	1,277	1,300	0	0	0	0	0	0	0	0	0	2,587
	928-AFUDC Debt Reg	2	1	32	97	0	0	0	0	0	0	0	0	0	132
	929-AFUDC - Equity Regular	1	1	42	127	0	0	0	0	0	0	0	0	0	171
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNM D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	200	1	24,493	25,076	0	0	0	0	0	0	0	0	0	49,770
	825-Clearings	0	0	0	-49,789	0	0	0	0	0	0	0	0	0	-49,789
	Clr Sum	0	0	0	-49,789	0	0	0	0	0	0	0	0	0	-49,789
	Proj Net	200	1	24,493	-24,714	0	0	0	0	0	0	0	0	0	-20

Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	60001816	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	2,104	0	0	0	0	0	0	0	0	0	0	0	0	2,104
	120-Overtime-General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	36,345	0	0	0	0	0	0	0	0	0	0	0	0	36,345
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	166	0	0	0	0	0	0	0	0	0	0	0	0	166
	914-Pension and Benefits Load	582	0	0	0	0	0	0	0	0	0	0	0	0	582
	915-Injuries and Damages Load	132	0	0	0	0	0	0	0	0	0	0	0	0	132
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	7,550	0	0	0	0	0	0	0	0	0	0	0	0	7,550
	926-A and G Loads	2,587	0	0	0	0	0	0	0	0	0	0	0	0	2,587
	928-AFUDC Debt Reg	132	0	0	0	0	0	0	0	0	0	0	0	0	132
	929-AFUDC - Equity Regular	171	0	0	0	0	0	0	0	0	0	0	0	0	171
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	49,770	0	0	0	0	0	0	0	0	0	0	0	0	49,770
	825-Clearings	-49,789	0	0	0	0	0	0	0	0	0	0	0	0	-49,789
	Clr Sum	-49,789	0	0	0	0	0	0	0	0	0	0	0	0	-49,789
	Proj Net	-20	0	0	0	0	0	0	0	0	0	0	0	0	-20

***Project No: 60002014 2015 Dist Substation Grounding Repairs***

Company: 001-Electric Services  
Location: 600 Distribution

Project Information

Construction Start Date 1/1/2015 Estimated Completion Date 1/30/2017

List Interim In-Service Dates

Multiple stations are included in this program, with in-service dates at least every 2 months.

Project Need Justification

This project involves replacing materials that have either been stolen or damaged at distribution substations. Typically the theft is related to copper pieces of key equipment (i.e. grounds) requiring it to be taken out of service. Additionally, this project involves the hardening of stations to prevent future theft. The project will also improve safety for the public and PNM employees. Lack of a good grounding system adversely affects the ability of certain relays to perform and can result in equipment damage or extensive outages and loss of customer load for extended periods of time.

Project Alternatives

There are no alternatives to the overall replacement and repair of the grounding system. This project is required in order to replace stolen materials and reduce the risk to PNM personnel. No completing the project leaves a known safety hazard in place that can affect personnel as well as result in damaged equipment. Alternatives can be examined in the types of repairs made and the deterrent measures put in-place to protect the system going forward. Measures are evaluated on a site-by-site basis.

Technical Aspects

Project will involve purchasing replacement equipment, mostly copper, as well as improving the security of distribution stations to deter further thefts. Deterrents such as surveillance, hidden copper downloads, and alarms may be and installed as a part of this project.

Project Estimate Approach

N/A



Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 01

Project	60002014	Year	2016									
	Cost_Type	Bal 6/30/16		Jul	Aug	Sep	Oct	Nov	Dec	Total		
	110-Straight Time-General	14,656		0	0	0	0	0	0	14,656		
	120-Overtime-General	151		0	0	0	0	0	0	151		
	350-Material Issues-Major	0		0	0	0	0	0	0	0		
	370-Outside Services	161,749		0	0	0	0	0	0	161,749		
	374-Outside Svcs Legal	0		0	0	0	0	0	0	0		
	377-Outside Services-Temp Labor	0		0	0	0	0	0	0	0		
	391-Jt Proj Bills to PNM-Non-Labor	0		0	0	0	0	0	0	0		
	530-Employee Expense	0		0	0	0	0	0	0	0		
	610-Expenses - General	0		0	0	0	0	0	0	0		
	805-Land and Land Rights	0		0	0	0	0	0	0	0		
	807-Non Refundable Contribution	0		0	0	0	0	0	0	0		
	829-Construction Adjustment	0		0	0	0	0	0	0	0		
	426-Capitalized Interest	0		0	0	0	0	0	0	0		
	908-Luna AR - Labor	0		0	0	0	0	0	0	0		
	909-Luna AR - Other	0		0	0	0	0	0	0	0		
	913-Payroll Taxes Load	496		0	0	0	0	0	0	496		
	914-Pension and Benefits Load	1,689		0	0	0	0	0	0	1,689		
	915-Injuries and Damages Load	454		0	0	0	0	0	0	454		
	918-San Juan AR-Labor	0		0	0	0	0	0	0	0		
	921-Stores / Purchasing Load	2,907		0	0	0	0	0	0	2,907		
	922-Minor Material Load	0		0	0	0	0	0	0	0		
	925-E and S Loads	38,332		0	0	0	0	0	0	38,332		
	926-A and G Loads	14,032		0	0	0	0	0	0	14,032		
	928-AFUDC Debt Reg	1,353		0	0	0	0	0	0	1,353		
	929-AFUDC - Equity Regular	1,187		0	0	0	0	0	0	1,187		
	937-San Juan AR - Other	0		0	0	0	0	0	0	0		
	961-Luna A&G PNMR D&V	0		0	0	0	0	0	0	0		
	Cost Sum	237,007		0	0	0	0	0	0	237,007		
	825-Clearings	-230,199		0	0	0	0	0	0	-230,199		
	Cir Sum	-230,199		0	0	0	0	0	0	-230,199		
Proj Net		6,808		0	0	0	0	0	0	6,808		

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 02

Project	60002014	Year	2017												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	14,656	0	0	0	0	0	0	0	0	0	0	0	0	14,656
	120-Overtime-General	151	0	0	0	0	0	0	0	0	0	0	0	0	151
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	161,749	0	0	0	0	0	0	0	0	0	0	0	0	161,749
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	496	0	0	0	0	0	0	0	0	0	0	0	0	496
	914-Pension and Benefits Load	1,689	0	0	0	0	0	0	0	0	0	0	0	0	1,689
	915-Injuries and Damages Load	454	0	0	0	0	0	0	0	0	0	0	0	0	454
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	2,907	0	0	0	0	0	0	0	0	0	0	0	0	2,907
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	38,332	0	0	0	0	0	0	0	0	0	0	0	0	38,332
	926-A and G Loads	14,032	0	0	0	0	0	0	0	0	0	0	0	0	14,032
	928-AFUDC Debt Reg	1,353	28	0	0	0	0	0	0	0	0	0	0	0	1,381
	929-AFUDC - Equity Regular	1,187	36	0	0	0	0	0	0	0	0	0	0	0	1,224
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	237,007	64	0	0	0	0	0	0	0	0	0	0	0	237,072
	825-Clearings	-230,199	-10,722	0	0	0	0	0	0	0	0	0	0	0	-240,921
	Clr Sum	-230,199	-10,722	0	0	0	0	0	0	0	0	0	0	0	-240,921
	Proj Net	6,808	-10,658	0	0	0	0	0	0	0	0	0	0	0	-3,849

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Projects with clearings from July 2016 through 2018, Budget data for July 2016 - 2018

Cost Year 03

Project	60002014	Year	2018												
	Cost_Type	BegBal	Jan	Feb	Mar	Apr	May	Jun	Jui	Aug	Sep	Oct	Nov	Dec	Total
	110-Straight Time-General	14,656	0	0	0	0	0	0	0	0	0	0	0	0	14,656
	120-Overtime-General	151	0	0	0	0	0	0	0	0	0	0	0	0	151
	350-Material Issues-Major	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	370-Outside Services	161,749	0	0	0	0	0	0	0	0	0	0	0	0	161,749
	374-Outside Svcs Legal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	377-Outside Services-Temp Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	391-Jt Proj Bills to PNM-Non-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	530-Employee Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	610-Expenses - General	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	805-Land and Land Rights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	807-Non Refundable Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	829-Construction Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	426-Capitalized Interest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	908-Luna AR - Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	909-Luna AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	913-Payroll Taxes Load	496	0	0	0	0	0	0	0	0	0	0	0	0	496
	914-Pension and Benefits Load	1,689	0	0	0	0	0	0	0	0	0	0	0	0	1,689
	915-Injuries and Damages Load	454	0	0	0	0	0	0	0	0	0	0	0	0	454
	918-San Juan AR-Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	921-Stores / Purchasing Load	2,907	0	0	0	0	0	0	0	0	0	0	0	0	2,907
	922-Minor Material Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	925-E and S Loads	38,332	0	0	0	0	0	0	0	0	0	0	0	0	38,332
	926-A and G Loads	14,032	0	0	0	0	0	0	0	0	0	0	0	0	14,032
	928-AFUDC Debt Reg	1,381	0	0	0	0	0	0	0	0	0	0	0	0	1,381
	929-AFUDC - Equity Regular	1,224	0	0	0	0	0	0	0	0	0	0	0	0	1,224
	937-San Juan AR - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	961-Luna A&G PNMR D&V	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cost Sum	237,072	0	0	0	0	0	0	0	0	0	0	0	0	237,072
	825-Clearings	-240,921	0	0	0	0	0	0	0	0	0	0	0	0	-240,921
	Clr Sum	-240,921	0	0	0	0	0	0	0	0	0	0	0	0	-240,921
	Proj Net	-3,849	0	0	0	0	0	0	0	0	0	0	0	0	-3,849

APS Transmission Service Cost for PV#3

# PNM Exhibit JRM-10

Is contained in the following 1 page

PNM Exhibit JRM-10  
APS Transmission Service Cost for PV#3

PNM Transmission Service Agreements  
With Arizona Public Service Company ("APS") Under the APS Open Access Transmission Tariff  
For Service from the Westwing Point of Receipt to the Four Corners Point of Delivery

The current APS charge for Long-Term Firm Point to Point transmission service is \$39.57/kW-year. For the total 135 MW of transmission capacity PNM will be charged \$5,341,950 per year.

The transmission service will also be subject to Ancillary Service 1 charges provided under the APS Tariff, which is currently \$38.2K per year for the total 135 MW for transmission service.

APS will also assess losses for the transmission service based on the APS Tariff real power loss factor percentage of 2.5% times the actual amount of energy scheduled each month. Losses are settled financially on a monthly basis and charges are assessed based on an hourly proxy price. Assuming average of \$33.59 per MWh and equates to approximately \$993K per year (assuming a 100% load factor).

The total annual transmission service charge will be \$6,373,238 per year. The rate is subject to change on June 1st of each year in accordance with APS formula rate filings.

EPE Short Term Transmission Service Cost

# PNM Exhibit JRM-11

Is contained in the following 1 page

PNM Exhibit JRM-11  
EPE Transmission Service Cost

PNM Short Term Transmission Service  
With El Paso Electric Company ("EPE") For Service From The Luna Plant

The current EPE charge for Short-Term Firm Point to Point transmission service is \$2310/MW-month. The transmission service will also be subject to Ancillary Services 1 and 2 charges provided under the EPE Tariff, which is currently \$70.25K/MW and \$44K/MW per month. PNM will secure 120 MW monthly service from EPE for months from June to September. The total transmission service charge for these four months is \$1,163,640 per year. In addition, PNM will secure weekly and daily transmission service from EPE for the other months at a cost of \$336,360.

**BEFORE THE NEW MEXICO PUBLIC REGULATION COMMISSION**

IN THE MATTER OF THE APPLICATION )  
OF PUBLIC SERVICE COMPANY OF NEW )  
MEXICO FOR REVISION OF ITS RETAIL )  
ELECTRIC RATES PURSUANT TO ADVICE )  
NOTICE NO. 533 )

Case No. 16-00276-UT

PUBLIC SERVICE COMPANY OF NEW )  
MEXICO, )

Applicant )

**AFFIDAVIT**

STATE OF NEW MEXICO )  
 ) ss  
COUNTY OF BERNALILLO )

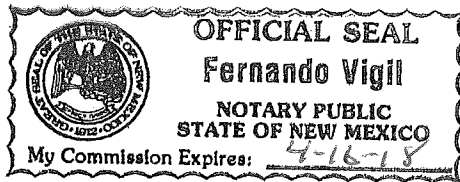
**JEFF R. MECHENBIER, Director of the Transmission Distribution Planning and Contracts Department at Public Service Company of New Mexico,**  
upon being duly sworn according to law, under oath, deposes and states: I have read the foregoing **Direct Testimony of Jeff R. Mechenbier** and it is true and accurate based on my own personal knowledge and belief.




SIGNED this 17 day of November, 2016.

  
JEFF R. MECHENBIER

SUBSCRIBED AND SWORN to before me this 17 day of November, 2016.



  
NOTARY PUBLIC IN AND FOR  
THE STATE OF NEW MEXICO

My Commission Expires:

