

## PNM Bi-annual Interconnection Report

Dates: April 1 – August 31, 2023

- (1) Pre-application reports: total pre-application reports requested, completed within the time limits (20 business days for system sizes up to one MW, and 30 business days for system sizes greater than one MW30), and number completed outside the specified time limits.

**Total pre-application reports requested: 1**  
**Completed within the time limits: 0**  
**Completed outside the specified time limits: 0**

- (2) Interconnection applications: total number received, (noting nameplate rating of proposed systems).

**Applications Received (4/1/2023-8/31/2023): 2,747**  
**Total Nameplate Rating kW: 180,173 kW**

- (3) Number of interconnection applications processed within specified timeframes and completed outside of specified time limits.

	Satisfied	Satisfied – Past Due
Completeness Review	2,532	1,882
Simplified Review	314	1,754
Fast Track Review	6	6
Supplemental Review	N/A	N/A
Feasibility Study	N/A	N/A
System Impact Study	1	0
Facilities Study	N/A	N/A
Inspections/ Meter Installation	2,527	0

- (4) Number of interconnection upgrades completed within negotiated timelines and outside of negotiated timelines, including a narrative on how much time it is taking to complete typical upgrades.

**Interconnection upgrades completed within timelines: N/A**  
**Interconnection upgrades completed outside timelines: N/A**

- (5) Number of interconnection applications that required more than initial review: median number of days to complete such reviews.

**Applications that require more than initial review: N/A**  
**Median number of days to complete the reviews: N/A**

(6) Number of interconnection applications withdrawn.

**Applications Withdrawn: 310**

(7) Number of interconnection agreements executed.

**Executed Interconnection Agreements: 2,815 (1,973 projects)**

(8) A table showing the range of fees charged for the feasibility study, system impact study, and facilities study.

	Low	High
Feasibility Study Fee	N/A	N/A
System Impact Study Fee	\$33,000	\$40,080
Facilities Study Fee	N/A	N/A

(9) A table showing how many projects failed each of the interconnection screens in the simplified, fast track and supplemental review processes broken out by project size and type (i.e. solar, storage, solar+storage) in the following increments: up to 25 kW, 25-100 kW, 100-500 kW, 500 kW to 2 MW, 2 to 5 MW.

**Solar**

Simplified Review	up to 25 kW	25 kW to 100 kW	100 kW to 500 kW	500 kW to 2 MW	2 MW to 5 MW
Screen 1	0	0	0	0	0
Screen 2	0	0	0	0	0
Screen 3	1476	0	0	0	0
Screen 4	102	0	0	0	0
Screen 5	0	0	0	0	0

**Storage**

Simplified Review	up to 25 kW	25 kW to 100 kW	100 kW to 500 kW	500 kW to 2 MW	2 MW to 5 MW
Screen 1	0	0	0	0	0
Screen 2	0	0	0	0	0
Screen 3	0	0	0	0	0
Screen 4	0	0	0	0	0
Screen 5	0	0	0	0	0

**Solar + Storage**

Simplified Review	up to 25 kW	25 kW to 100 kW	100 kW to 500 kW	500 kW to 2 MW	2 MW to 5 MW
Screen 1	0	0	0	0	0
Screen 2	0	0	0	0	0
Screen 3	36	1	0	0	0

Screen 4	1	1	0	0	0
Screen 5	0	0	0	0	0

**Solar**

Fast Track Review	up to 25 kW	25 kW to 100 kW	100 kW to 500 kW	500 kW to 2 MW	2 MW to 5 MW
Screen 1	0	0	0	0	0
Screen 2	0	4	2	0	0
Screen 3	0	0	0	0	0
Screen 4	0	0	0	0	0
Screen 5	0	0	0	0	0
Screen 6	0	0	0	0	0
Screen 7	0	0	0	0	0
Screen 8	0	0	0	0	0
Screen 9	0	0	0	0	0
Screen 10	0	0	0	0	0

**Storage**

Fast Track Review	up to 25 kW	25 kW to 100 kW	100 kW to 500 kW	500 kW to 2 MW	2 MW to 5 MW
Screen 1	0	0	0	0	0
Screen 2	0	0	0	0	0
Screen 3	0	0	0	0	0
Screen 4	0	0	0	0	0
Screen 5	0	0	0	0	0
Screen 6	0	0	0	0	0
Screen 7	0	0	0	0	0
Screen 8	0	0	0	0	0
Screen 9	0	0	0	0	0
Screen 10	0	0	0	0	0

**Solar + Storage**

Fast Track Review	up to 25 kW	25 kW to 100 kW	100 kW to 500 kW	500 kW to 2 MW	2 MW to 5 MW
Screen 1	0	0	0	0	0
Screen 2	0	0	0	0	0
Screen 3	0	0	0	0	0
Screen 4	0	0	0	0	0
Screen 5	0	0	0	0	0
Screen 6	0	0	0	0	0
Screen 7	0	0	0	0	0
Screen 8	0	0	0	0	0
Screen 9	0	0	0	0	0
Screen 10	0	0	0	0	0

**Solar**

Supplemental Review	up to 25 kW	25 kW to 100 kW	100 kW to 500 kW	500 kW to 2 MW	2 MW to 5 MW
Aggregate Export Capacity	0	0	0	0	0
Voltage and Power Quality	0	0	0	0	0
Safety and Reliability	0	0	0	0	0

**Storage**

Supplemental Review	up to 25 kW	25 kW to 100 kW	100 kW to 500 kW	500 kW to 2 MW	2 MW to 5 MW
Aggregate Export Capacity	0	0	0	0	0
Voltage and Power Quality	0	0	0	0	0
Safety and Reliability	0	0	0	0	0

**Solar + Storage**

Supplemental Review	up to 25 kW	25 kW to 100 kW	100 kW to 500 kW	500 kW to 2 MW	2 MW to 5 MW
Aggregate Export Capacity	0	0	0	0	0
Voltage and Power Quality	0	0	0	0	0
Safety and Reliability	0	0	0	0	0

- (10) A narrative of how the process is working and where there is potential for improvement by the utility or interconnection applicants.

PNM continues to work on enhancements and automations to the process to increase the ability to screen applications. To that end, PNM has created an automated process for providing permission to operate as soon as the meter has been set and the inspection approved. Additionally, PNM has started to accept images of approved permit tags from installers in lieu of waiting for the permit to be submitted by the permitting municipality. Lastly, PNM continues to hold quarterly Contractor Coffees to discuss enhancements to the process, discuss the root cause of corrections, and have an open path of communication with installers to better understand how the process can be improved.

There are a few areas where efficiency in the process could be enhanced. The biggest opportunity for improvement, as noted from the Completeness Review data above, is the

significant number of applications that require corrections when submitted for Completeness Review. PNM received 2,747 applications between April 1 and August 31. 4,414 applications were screened in Completeness Review. Therefore, 37% of the applications received required at least one additional review. 37% of applications were returned for corrections. As the projects maintain their position at the top of the queue when corrections are required, they are screened as soon as they are resubmitted and there is less motivation to provide correct and accurate information when initially submitting the application. Additionally, it can be inferred that installers that provide correct and accurate information are penalized as projects that require corrections are reviewed multiple times prior to the first review being performed on newly submitted projects. PNM has updated the requirements on the one-line, three-line, and site plan to remove redundancies in information provided on the documents and applications in an attempt to reduce the applications that require corrections. While these changes may decrease the number of corrections required, the expectation is that it will not result in a significant decrease. Support is requested from the installers on the accuracy and correctness of the information provided in the application and the supporting documentation.

A second opportunity for efficiency improvement is when the interconnection agreement is signed. As noted in the data above, 2,815 interconnection agreements have been executed for 1,973 projects. As the interconnection agreements are signed as part of the application process, there is not an opportunity for adjustment to the equipment during the review process prior to the customer signing the agreement. As noted in the previous paragraph, 37% of applications are returned for corrections. A significant number of those applications require the customer to sign an additional interconnection agreement as the information on the agreement changes as a result of the corrections. Additionally, if installers change the equipment during the installation due to supply chain shortages or manufacturer model changes, the customer must sign an as-built interconnection agreement recording the changes made. Lastly, the PNM customer account information is required on the interconnection agreement. Therefore, customers that are building a home and do not have permanent service at the premise are now unable to apply as the required information for the interconnection agreement is not available. If the process could be changed to only require customers to sign the interconnection agreement after installation, it would eliminate delays in requiring customers to sign multiple interconnection agreements.

PNM is not yet able to screen based on the relevant minimum load as per screen 3 and continues to utilize the 15% of maximum load calculation. As noted in the Simplified Review interconnection tables, a significant number of applications have exceeded the 15% of maximum load calculation. PNM is reviewing each project that exceeds the screening requirement to determine if it can be approved without requiring Supplemental Review. For the timeframe the data is being reported on, no projects have required Supplemental Review based on a failure of this screen.

PNM is focused on the Simplified 7-day requirement and working to improve the overall percentage of projects that meet the deadline requirement. All projects screened in September have met the required deadline.

Due to supply chain shortages, PNM is currently not requiring customers to purchase transformers and therefore upgrades are not being requested or paid for by the customers.