



**1** MILLION SOLAR PANELS

# 2015 **pnm environmental report**

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**1** MILLION SOLAR



PANELS and GROWING



## Solar and Wind and Geothermal. Oh my....

By the end of 2015, nearly 5,300 PNM customers were participating in our solar program, receiving Renewable Energy Credits and net metering benefits. Close to 3,500 customers were participating in the PNM Sky Blue voluntary renewable program to purchase additional wind and solar energy, resulting in the purchase of 1,363,286 kWh of renewable energy.



## How We Move Matters

Thanks to our advanced GPS system, we are continually designing more efficient fleet routes, saving thousand of gallons of fuel each month. This focus on efficiency, coupled with the launch of our initial fleet of electric plug-in vehicles, has saved tens of thousands of gallons of gas which has kept 63.7 metric tons of carbon out of our air. We're also exploring new ways to incentivize our employees and customers to reduce their environmental impact through the purchase of electric vehicles.



## We're Serious About Recycling

We have been recognized as a business leader in waste reduction efforts and large-scale recycling. In 2015, our New Mexico facilities recycled approximately 55,788.5 tons of materials. The resources saved through these efforts are equivalent to powering 3,752 homes, and saving 71,052 barrels of oil or 3,322,732 gallons of gasoline. Eight out of 11 PNM facilities increased their recycling rates from the previous year.

## Supporting Strong, Vibrant, Green Communities

In 2015, we continued our Reduce Your Use Grants for nonprofit organizations in PNM communities, awarding 54 organizations with \$250,000. This funding enables these organizations to implement energy-saving measures that will save money, allowing them to provide more essential services to their communities.

What's more, the PNM Resources Foundation also provided \$400,000 to 27 New Mexico nonprofit organizations with PNM Power Up grants to help support community and neighborhood revitalization, promote area improvements and green space development, and create meaningful public spaces.

What's not to love?



## The Seduction of Reduction

Ok, we admit it. We're hooked. Between programs like our Reduce Your Use grants and Sky Blue, we're obsessed with reducing our impact on the environment and building successful sustainable communities. Here are some of our achievements this year.

- As a result of our waste diversion efforts, the equivalent of more than 58,502 metric tons of carbon dioxide were offset. This reduction in Greenhouse Gas Emissions is equivalent to eliminating annual emissions from 12,316 passenger vehicles and conserving 6,582,858 gallons of propane used in homes.

- PNM continues to succeed in its efforts to reduce the amount of fresh water used to make electricity (more than 25% less than in 2002). Today, a typical PNM customer home consumes 3-times as much fresh water as the fresh water used to power that home. Continued growth in PNM's fleet of solar, wind and geothermal energy sources, energy efficiency programs and innovative uses of gray water and air-cooling technology mean that PNM now uses less than one-tenth of one-percent of all the water diverted in New Mexico. This will continue to decline as PNM substitutes less fresh-water-intensive generation resources in 2018, when Units 2 and 3 of the San Juan Generating Station are shut down.

- PNM has been helping customers save energy and money through our energy efficiency programs for nine years. Since 2007, residential and business customers have earned \$53 million in rebates and saved almost 1.9 billion kilowatt hours (kWh), enough energy to serve approximately 274,000 homes for a year. But energy isn't the only thing they're saving. The programs have also saved an estimated 1.2M metric tons of carbon dioxide and 685 million gallons of water. In 2015 alone, the energy efficiency programs generated approximately 79 gigawatt hours (GWh) of energy savings for customers, enough to power approximately 11,011 homes for a year.



## 1,000,000 Solar Panels and Growing

In 2015, PNM added four additional solar power plants bringing the total number of PNM solar plants to 15, totalling 1 million panels. Combined, PNM renewable energy resources in 2016 will produce over 1 million megawatt hours of electricity, enough to power 148,000 New Mexico homes or more than 25 percent of PNM customers. Throughout 2015, PNM customers continued to benefit from diverse sources of renewable energy including wind, solar and geothermal power. And yes, this is just the beginning.

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