

# EnergyCentral

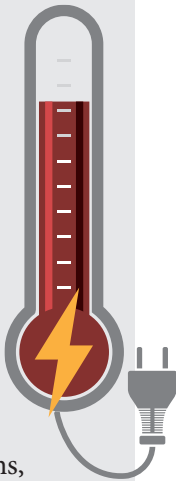
People. Power. Possibilities.

Central Hudson  
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## Higher Temperatures Prompt Higher Energy Use

Summer heat and humidity can lead to higher energy use as residents rely on air conditioning to keep cool. Using electricity efficiently, especially during the hottest months, helps manage energy bills. Ways in which customers can save energy include:

- Turning off lights and appliances when not in use, and unplugging electronic devices, such as televisions, entertainment systems and computers, that continue to draw power even when off.
- Setting thermostats on air conditioners to 78 degrees and higher during times when the home is not occupied, and changing dirty filters on air conditioners.
- Using large appliances such as dishwashers and clothes dryers during the evening hours, when overall energy use is less.
- Closing doors, windows, curtains, shades and blinds during the



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## Central Hudson Plans for Low-Carbon Future



In June, Central Hudson filed its Distributed System Implementation Plan (DSIP) with state regulators. The filing provides an update on several clean energy initiatives already underway including: Grid modernization, solar integration, electric vehicle adoption and energy efficiency programs.

The DSIP is a report submitted by each New York investor-owned utility every two years to the State Public Service Commission (PSC). DSIPs are intended to be a thorough self-assessment addressing each utility's system while identifying changes that can be made to effectuate goals and objectives established by the Climate Leadership and Community Protection Act (CLCPA) and New York's Reforming the Energy Vision (REV).

The CLCPA and REV are New York State laws and initiatives aimed at transitioning the energy industry by enhancing efficiency, promoting renewable energy, encouraging wider deployment of distributed energy resources and providing customers with advanced energy management tools and products.

"New York has established nation-leading goals in the transition to cleaner energy and Central Hudson is proud to support this endeavor," said

Charles A. Freni, President and C.E.O. of Central Hudson. "Our Distributed System Implementation Plan not only shows what we're doing to help meet these goals, but also details our continued initiatives for an efficient, affordable, safe and reliable energy system."

### Efficiency Initiatives

Energy efficiency is the most cost-effective way to reduce carbon emissions. Central Hudson's 2020 DSIP emphasizes the role of energy efficiency programs that reduce carbon emissions and help customers manage their energy use. The utility has committed an additional \$43.2 million to support 75 million kilowatt-hours of energy savings, or the equivalent annual electric use of 10,000 homes, through heat pump electrification. Heat pump technologies provide efficient heating and cooling for residences and businesses, with emissions savings as compared to heating with oil and propane. Through program rebates that fund one third to one half of typical installations, Central Hudson aims to incentivize approximately 12,000 heat pump installations by 2025.

Central Hudson is also replacing aging natural gas infrastructure to improve

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# Future: Initiatives enable a cleaner, more efficient grid

efficiency, safety and reduce ongoing maintenance costs. While heating with natural gas is an economical and environmentally beneficial alternative to oil and propane, replacing pipelines in some specific areas can be challenging or impractical. As an alternative to direct replacement, a Non-Pipes Alternative (“NPA”) initiative is underway to displace the need for this type of traditional gas infrastructure investment. Central Hudson has identified several locations throughout its service territory where it is feasible and cost-effective to retire sections of older gas lines. This program requires affected residents to completely convert to electric appliances, such as heat pumps, electric cooking and heat pump water heaters.

## Grid Modernization

The continued modernization of Central Hudson’s electric infrastructure, in alignment with state objectives to provide safe and reliable service, enhance system efficiency and create customer value, remains a top priority. Central Hudson has continued its effort implementing several large scale transformational projects designed to improve the intelligence of its system including the installation of a Distribution Management System (DMS), increased levels of Distribution Automation (DA), and an enterprise Network Strategy communication system that allows field devices to communicate with operators through an Energy Management System (EMS). Included is the development of a new Primary Controls Center to oversee the electric system, and an overhaul of the customer information system software to integrate these new technologies.

The state-of-the-art equipment and

systems being deployed will improve the efficiency, durability and reliability of the energy delivery system. Devices will automatically re-route power during storm outages to reduce electric service interruptions, improve system efficiency by maintaining optimum voltage levels and provide real-time information on the state of the local electric system. This technology is also necessary and critical to integrating the growth and expansion of clean, distributed resources such as solar and battery storage.

## Distributed Energy Resources (DER)

Central Hudson has continued to process and enable the interconnection of Distributed Energy Resources (DER), the majority of which are solar photovoltaic (PV). Applications for larger solar farms and also Energy Storage Systems (ESS) are on the rise.

Solar installations within the utility’s service area are among the highest in New York on a per-capita basis, with nearly 9,370 systems installed by residents, businesses and developers with 129 megawatts of total solar capacity, and offsetting more than 5,600 tons of greenhouse gas emissions each year.

## Electric Vehicle (EV) Initiatives

Central Hudson supports New York State’s goals of increasing EV adoption to reduce operating costs and vehicle emissions, the largest source of greenhouse gasses in the state. Central Hudson’s current focus is on utility infrastructure to enable charging station planning and deployment. Expansion of advocacy ef-



orts include an “EV Summit” or similar annual events, increased outreach to local counties and municipalities and proposing a transportation electrification program.

Central Hudson continues to plan for investments that will enable a cleaner and more efficient energy system serving the Mid-Hudson Valley while maintaining service reliability and safety. In light of the COVID-19 pandemic, the scope and timing of these plans may be adjusted during the economic recovery,

To learn more about Central Hudson’s energy efficiency programs, tips on saving energy and more, [click here](#); for more on the benefits electric vehicles, cost and emissions savings, tax incentives, New York State rebates and more, [click here](#); and to learn of Central Hudson’s environmental initiatives, go to [www.CentralHudson.com](http://www.CentralHudson.com) and click on “My Energy.” ✨

# Temperature: Energy efficiency helps manage bills

day to seal out the heat and block sunlight when temperatures are at their highest.

- Keeping refrigerator and freezer doors closed as long as possible, and limiting the time they are opened. Because more electricity is used

in the summer and market prices for electricity are subject to the laws of supply and demand, there is the potential that electric supply prices set by the wholesale market may rise during periods of prolonged hot weather. These conditions create the effect of increased usage with

possibly higher prices. Using appliances efficiently, especially in the summer, can help manage their energy bills.

For more information on energy efficiency programs, incentives and rebates, visit the My Energy link at [www.CentralHudson.com](http://www.CentralHudson.com). ✨