

The Energy to Lead

2015 New York State Energy Plan

The Plan lays out a bold vision for capturing the significant economic development and environmental benefits of a clean, modern economy.



THE PLAN IS INFORMED BY NEW YORKERS

Development of the Plan is directed by the Energy Planning Board, as designated in statute. Comments on the Plan were solicited throughout the process from stakeholders and members of the public through a public comment page on the State Energy Plan website and at public hearings.

The 2015 New York State Energy Plan is a comprehensive roadmap to build a clean, resilient, and affordable energy system for all New Yorkers. The Plan coordinates Governor Andrew M. Cuomo's major new energy initiative, known as Reforming the Energy Vision (REV). REV will create a stronger and healthier economy by stimulating a vibrant private sector market to provide clean energy solutions to communities and individual customers throughout New York.

TURNING CHALLENGES INTO OPPORTUNITIES

New York is leading the way in developing and deploying a comprehensive approach to transform the following energy challenges into opportunities.

Affordability

Drive system-wide savings that benefit all customers and encourage private investment in distributed clean energy solutions that help customers better manage their energy bills and reduce fuel costs.

Environmental

Animate clean energy markets through strategies to attract private sector capital investment, and support clean transportation alternatives, enabling New York State to meet its aggressive environmental energy goals and transition to a clean energy economy.

Reliability and Resiliency

Complement and further other resiliency efforts by promoting the development of clean, local energy resources that strengthen and improve the reliability of the grid.

Regulatory Reform

Provide New York State with the ability to operate its energy system more efficiently and at a lower cost, and enable utilities to chart a vibrant, but changing, future.

Environmental Justice

Help communities disproportionately impacted by air pollution pursue a clean energy future.

Clean, Reliable Transportation

Guide the development and implementation of programs that will help fund and facilitate the clean transportation system of the future while maintaining existing infrastructure. Build an integrated energy network able to harness the combined benefits of the central grid with clean, locally generated power.





EXAMPLES OF THE PLAN'S INITIATIVES TO ACHIEVE GOALS

HOW WILL WE GET THERE

The Plan coordinates State agencies that touch energy policy to advance the REV strategy.

REV is centered on three pillars that, together with the Plan, will drive the State's shift to a more market-driven clean energy future and allow for a reduction in ratepayer collections.

- The PSC's Reforming the Energy Vision Regulatory Docket
- NYSERDA's Clean Energy Fund, including NY Green Bank and NY-Sun
- NYPA's leading by example with investments in innovative solutions

The Plan, as a roadmap for REV, fosters economic prosperity and environmental stewardship — government and industry working together through public-private partnerships to achieve a shared goal of a healthier and stronger New York State economy.

The initiatives, like those to the right, along with private sector innovation and investment fueled by REV, will put New York State on a path to achieving the following clean energy goals by 2030:

40% Reduction in GHG emissions from 1990 levels

Reducing greenhouse gas (GHG) emissions from the energy sector—power generation, industry, buildings, and transportation—is critical to protecting the health and welfare of New Yorkers and reaching the longer term goal of decreasing total carbon emissions 80% by 2050.

50% Generation of electricity must come from renewable energy sources

Renewable energy sources, including solar, wind, hydropower, and biomass, will play a vital role in reducing electricity price volatility and curbing carbon emissions.

23% Decrease in energy consumption in buildings from 2012 levels

Energy efficiency results in lower energy bills and is the single most cost-effective tool in achieving energy objectives. 600 trillion British thermal units (Tbtu) in energy efficiency gains equates to 23% reduction in energy consumption by buildings.

Renewable Energy

- Large-Scale Renewables Strategy
- NY-Sun
- K-Solar
- Renewable Heat NY

Building and Energy Efficiency

- BuildSmart NY
- Energy Efficiency Measures in Affordable Housing
- Combined Heat and Power

Clean Energy Financing

- PACE Financing

Sustainable and Resilient Communities

- NY Prize Community Microgrids Competition
- New York State Community Partnership
- Update Floodplain Maps

Energy Infrastructure Modernization

- Smart Generation and Transmission
- Limit Methane Emissions
- Low-Cost Power for Economic Development

Innovation and R&D

- REV Business Model Demonstrations
- Energy Storage R&D and Commercialization Through NY-BEST and Brookhaven National Laboratory

Transportation

- Charge NY
- Clean Fleets NY and Innovative Ownership Models

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