

Shaping the Future of Energy

2014 DRAFT

New York State
Energy Plan

Summary for NYPA Board of Trustees
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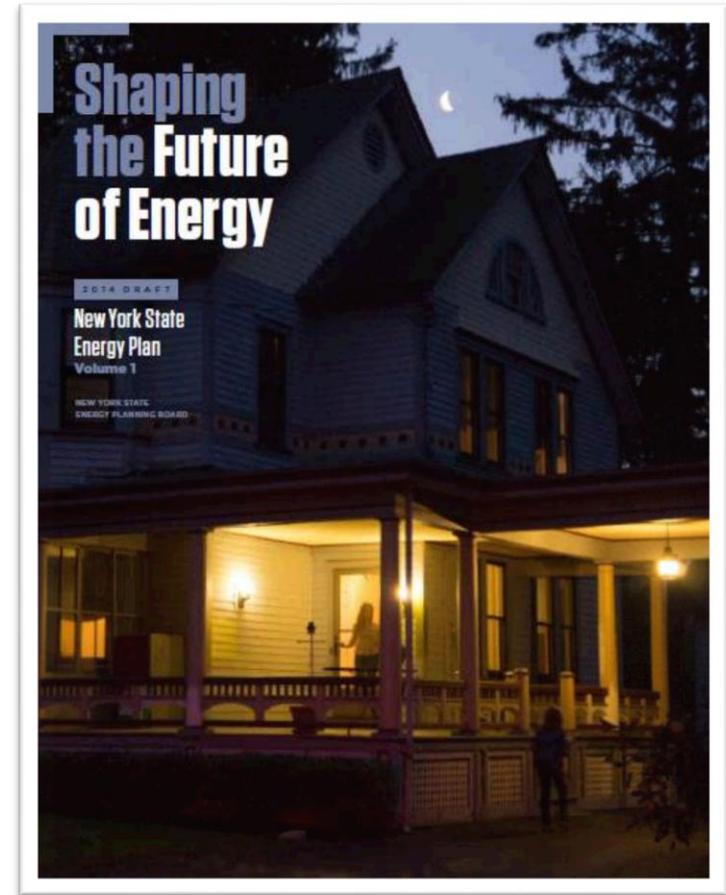
Overview

- Vision to provide customers services and choices
- 4 key metrics to measure progress
- 15 initiatives for state agencies
- Opportunities for NYPA
- Public outreach



Vision to provide customers services and choices

Plan envisions a flexible and clean energy system that empowers residential customers, businesses, and communities to receive the reliability and affordability they value



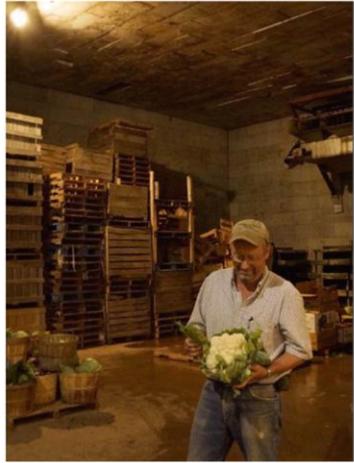
4 key metrics to monitor and guide progress

- Improved energy affordability
Keep consumer bills below national average
- Cleaner environment
Reduce intensity of carbon emissions from energy industry
- Robust economic activity
Attract of private capital in clean energy
- Increased system efficiency
Improve utilization of installed infrastructure



15 initiatives for state agencies and authorities

- Energy affordability
- Private sector energy financing
- Resilient and flexible power grid
- Customer control energy use
- Align energy innovation with market demand



Area of Focus and Initiatives

The following areas of focus and initiatives will be pursued and implemented through the cooperation of agencies and authorities, New York's colleges and universities, and private sector stakeholders across the State.

Improving Energy Affordability

Today's electric systems are designed with assurances to provide reliable service during peak periods, such as the few days of extremely hot temperatures per year. However, the current design and strategy result in low utilization factors and high energy costs. A new strategy of investing in cost-effective smart grid solutions and focusing on active demand management will enable improved utilization of new and existing assets, reduced energy costs, and increased reliability.

New York will transition to energy efficiency programs to stimulate the self-sustaining market adoption of energy efficient technologies and systems, with a focus on customers. Initiatives will facilitate the creation of demand for energy efficiency projects, mobilization of capital, supply and services sector readiness and capacity, increased consumer awareness, improved ease and simplicity of participating in programs, better availability of reliable and meaningful data, improvement of building codes, and investments in these facilities.

Initiative 01

Design energy efficiency policies to work with and through markets in order to accelerate the pace of energy efficiency deployment while fostering continued economic growth in New York State.

1. EPA, NYSEERDA, and other agencies to create a portfolio of energy efficiency programs with a State commitment through 2020 that achieves high customer value for public investment, reduces customer confusion, streamlines application and delivery processes, promotes broad and deep uptake of efficiency measures across all facets, and strategically addresses market barriers and gaps to maximize



Initiative 12

Increase transportation alternatives and vehicle diversity to harness the benefits of decreased dependence on oil and a cleaner, more connected, and more flexible transportation sector.

a. DCR working with DOT through the NY Clean Fleets Initiative to encourage New York State agencies and authorities to investigate efficient and alternative fuel vehicles into their fleets by creating agency fleets together to increase purchasing power.

b. NYSEERDA and NYPA to stimulate market demand for electric vehicles through consumer education, collaboration between private and public sectors, continued support for charging infrastructure, and innovative demonstrations.

c. DEP to evaluate utility rate designs that encourage electric vehicle charging at times that are optimal and economic for customers and the grid.

Initiative 13

Bring innovative information technology to transportation system users to support more efficient and safe travel.

a. DOT to refine and improve EUNY, a free comprehensive traveler information system and mobile app that provides users with information related to a variety of transportation choices and conditions, including mass transit and recreation options, and accident information.

b. DOT to expand the availability and use of real-time data on travel and weather conditions to help travelers avoid traffic congestion and maximize use of time-travel options.



Opportunities for NYPA

- Reduce peak electricity demand through customers efficiency and control measures
- Assist customers to implement enhanced building codes
- Support microgrids and community-based energy planning at strategic customer locations
- Encourage clean technology innovation and commercialization



Public outreach

- Draft plan development included stakeholder input
- Public comment period currently open
- Six public hearings planned
- Final plan issued mid-year
- Two-year progress report
- Four-year planning schedule

The screenshot shows the website for the New York State Energy Plan. At the top, there is a navigation bar with links for HOME, PLANS, PROCESS, THE BOARD, and COMMENT. The main headline reads "The 2014 Draft New York State Energy Plan is Now Available." Below this, there are two prominent buttons: "Read the Draft Plan" and "Comment on the Draft Plan". The background image shows a group of people sitting on a bench outdoors. Below the main content, there is a section titled "Shaping the Future of Energy" with a sub-headline "Diversity of renewable resources works for the benefit of all New Yorkers". This section includes a quote from Rachel Carson: "I am always more interested in what I am about to do than in what I have already done." and a paragraph describing the draft plan's vision for a dynamic, clean energy economy. To the right, there are social media sharing options (Twitter, Facebook, LinkedIn, Email) and a tweet from NYSERDA (@NYSERDA) dated 10 Jan, which says: "Apartment hunters: Save in the winter by making sure your new place is ENERGYSTAR qualified. bit.ly/NEAne". At the bottom of the page, there is a row of icons representing different energy sources: a flame, a battery, a nuclear symbol, water waves, a truck, wind turbines, a sun, and a leaf.



Discussion

