



The Energy to Lead

2015 New York State Energy Plan

June 25, 2015

Planning Process

- **January 2014:** Draft State Energy Plan Released
- **January – May 2014:** Written Public Comments Accepted
- **February – March 2014:** Public Hearings Held
 - Albany
 - Buffalo
 - Manhattan
 - Long Island
 - Brooklyn
 - Syracuse

Public Comments

- Received nearly 100,000 Public Comments
- Key Themes:
 - Climate Change
 - Hydro-Fracking/Natural Gas
 - Renewable Energy
 - Goals

Reforming the Energy Vision (REV)

REV is Governor Andrew M. Cuomo's strategy to build a clean, resilient, and affordable energy system for all New Yorkers. Centered on three pillars, REV's initiatives and actions, together will drive the State's shift to a more market-driven clean energy future.

REV Centers on Three Strategic Pillars:

- 1) The PSC's Reforming the Energy Vision Regulatory Docket
- 2) NYSERDA's Clean Energy Fund (including NY Green Bank and NY-Sun)
- 3) NYPA's Leading by Example

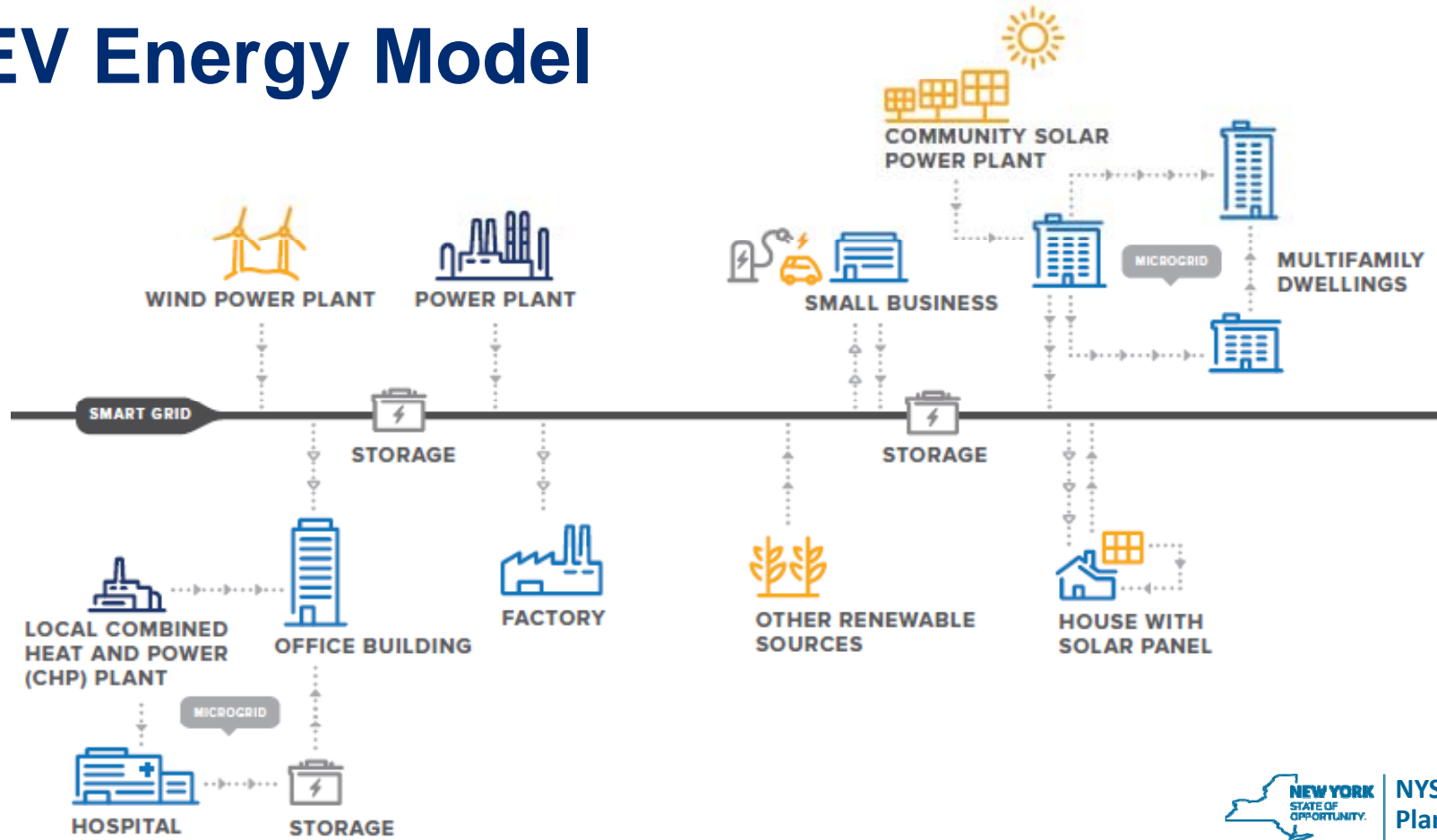
Turning Challenges into Opportunities

- Affordability
- Environment
- Reliability and Resiliency
- Regulatory Reform
- Environmental Justice
- Clean, Reliable Transportation

Vision for the Future: Guiding Principles

- Market Transformation
- Community Engagement
- Private Sector Investment
- Innovation and Technology
- Customer Value and Choice

REV Energy Model



Initiatives

- Renewable Energy

- Faster and greater adoption of renewable energy at scale, through stimulation of cost reduction, reducing market and customer barriers, and recognizing value
- NY-Sun – a path to a self-sustaining solar market
- Large Scale Renewables design principles

- Buildings and Energy Efficiency

- Increased market engagement, soft cost reductions, market and customer acceptance as anticipated in NYSERDA's Clean Energy Fund proposal and as embodied in NYPA's BuildSmart NY

Initiatives (Cont'd)

- **Clean Energy Financing**
 - Induce private investment through new support mechanisms, such as NY Green Bank and PACE financing
- **Sustainable and Resilient Communities**
 - Engaging communities in effective local energy actions that make sense for them and add value to the State's energy system
- **Energy Infrastructure Modernization**
 - State of the art technology investment in the energy transmission backbone, as identified in the Energy Highway

Initiatives (Cont'd)

- **Innovation and Research & Development**
 - Harness cutting edge business models and technology solutions from private sector research institutions and entrepreneurs
- **Transportation**
 - Full implementation of the Zero Emissions Vehicle MOU
 - Sustained improvements in public transit, both rail and bus
 - Encourage the use of various transportation modes, including smart mobility

2030 Goals

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 from
renewable energy sources

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

600

 TBtu

Increase
in statewide energy
efficiency

Energy efficiency results in lower energy bills and is the single most cost effective tool in achieving clean energy objectives. 600 trillion British thermal units in energy efficiency gains equates to a 23% reduction from 2012 in energy consumption in buildings.

Questions