



NYSERDA

C3E Women in Clean Energy Symposium

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New York State Energy Goals

40% Reduction

**in greenhouse gas 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% Electricity

**will come from renewable
energy sources**

This Clean Energy Standard commitment will ensure 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 clean energy objectives. A 23% decrease from 2012 levels is equivalent to 600 trillion British thermal units (Btu) of energy efficiency gains. That's equal to more energy than all New York State homes use in six months.

Reforming the Energy Vision (REV)

Comprehensive strategy to build a clean, resilient, and affordable energy system for all New Yorkers, with a focus on three core approaches to drive transformation

- **Regulatory Reform** (PSC) – reshaping NY’s electric industry and utility business practice to encourage the cleanest, most advanced, and efficient power system operation
- **Market Activation** (NYSERDA) – addressing market barriers and gaps; redesigning NY programs to accelerate clean energy market growth and unlock private clean energy investment
- **Leading by Example** (NYPA) - deploying innovative energy solutions across State-owned buildings, university campuses, and State vehicle fleets

Clean Energy Fund (CEF)

10-year, \$5 billion funding commitment

Four Portfolios:

- **Market Development** – \$2.7B State funding; \$8.9B private investment
- **NY-Sun** – \$961M State funding; \$9.2B private investment
- **NY Green Bank** – \$782M State funding; \$8B private investment
- **Innovation and Research** – \$717M State funding; \$3.3B private investment

Offshore Wind Master Plan

A comprehensive State roadmap for advancing development of offshore wind in a cost-effective and responsible manner

Key Elements:

- Stakeholder engagement
- Recommended development sites
- Guidelines for developers
- Analysis and support for cost-effective electricity purchase

New York State will commit to building:

up to 2,400 megawatts of offshore wind power by 2030, which will generate enough power for up to 1.2 million homes

2017 Clean Energy Industry Report

Analyzes clean energy jobs, geographic distribution, and employer needs

New York's nation leading policies are fueling job growth

146k clean energy jobs
across New York State at the end of 2016



3.4% historical growth of clean energy jobs

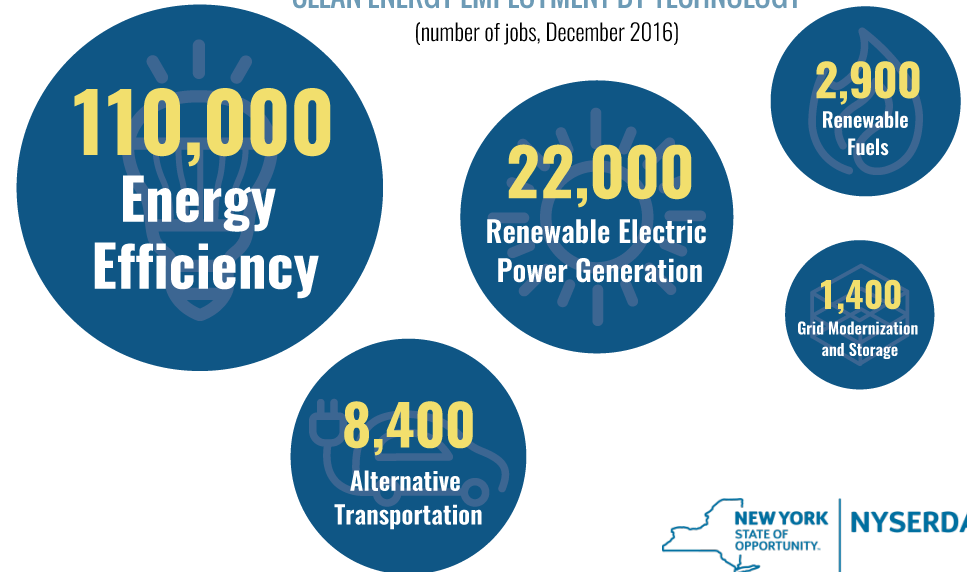
from December 2015 to December 2016, while State's overall employment growth was 1.9% during that time.

7% projected growth

of clean energy jobs by the end of 2017 demonstrates high employer confidence

CLEAN ENERGY EMPLOYMENT BY TECHNOLOGY

(number of jobs, December 2016)



Thank you



Environment

**RENEWABLE
ENERGY**

Geother
energy

Solar
energy

Sustainable

Bio
energy



Wind

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