

New York State Energy Planning Board

INNOVATION IN THE CLEAN ENERGY ECONOMY

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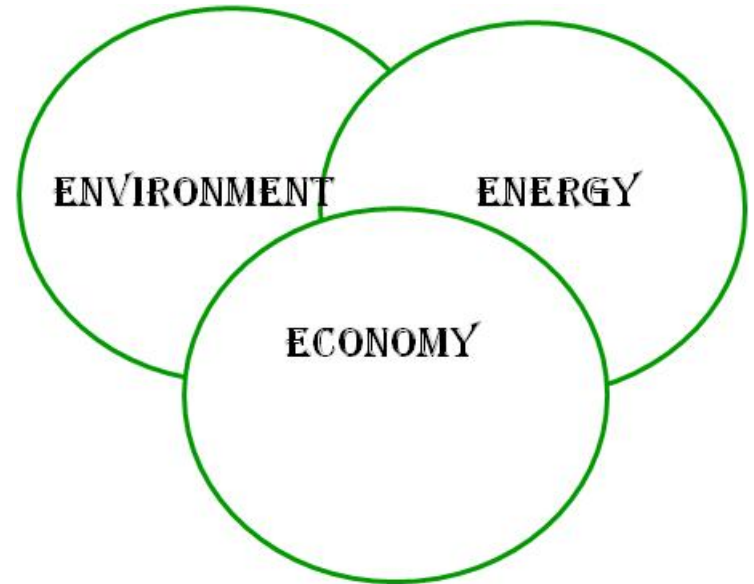
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What is the Clean Energy Economy (CEE)?

- Defined as “economic activity that produces goods or delivers services designed to increase energy efficiency or generate renewable energy.”
- Goal: Create a climate for business and innovation in New York that supports development and growth of globally competitive clean energy industries that drive economic expansion and job creation.

Why is it Important to Grow NY's Clean Energy Economy?

- Development of New York's CEE offers wide-ranging opportunities to help meet the energy needs of the 21st century and stimulate environmentally sustainable economic activity.
- New York is well positioned to compete.



What is the Market Opportunity?

Global Clean-Energy Projected Growth 2011-2021 (\$US Billions)



Source: Clean Edge, Inc., 2012

NY's Clean Energy Economy

- 100,000-150,000 New York CEE employees
 - 1-1.5% of total State employment
 - Comparable job intensity to Massachusetts
 - Approx. 2 times greater than traditional energy sector and a third of the size of manufacturing sector
- Brookings ranks New York's clean economy 2nd in overall size
- Albany metro area has the highest concentration of clean economy jobs in the nation

Current Programs and Policies that Can Help Stimulate Growth in NY's Clean Energy Sector

- R&D programs
- University investments
- Early-stage business development programs
- Regional initiatives, clusters, and REDCs
- Workforce development programs
- Public-private partnerships

Issues & Challenges/Opportunities

- Supporting clean energy market creation & development
- Fostering technology innovation and commercialization “ecosystem” and networking/collaboration forums
- Enhancing current economic development practices to further promote the creation and growth of clean energy businesses
- Increasing access to capital
- Developing clean energy workforce across the entire business lifecycle
- Advocating for federal policy change

Potential Areas of Focus Going Forward

- Continue to build strategic innovation assets
- Develop nascent clusters and build innovation networks
- Enable the advanced manufacturing renaissance in NY
- Capitalize on tremendous export opportunities
- Gather key economic data for decision-making