State Programs for Clean Energy in Local Jurisdictions: Examples from New York and Oregon

Hosted by
Maria Blais Costello, Manager of Program Administration, CESA

July 11, 2018
Housekeeping

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State Leadership in Clean Energy Awards

- Established in 2008, CESA’s State Leadership in Clean Energy Awards recognize state programs that are most effectively accelerating adoption of clean energy technologies
- CESA-member organizations from across the U.S. submit nominations for the awards
- Entries are judged based on public benefits and results, cost effectiveness, leadership and innovation, and replicability
- Winners are chosen by an independent panel of distinguished judges
- Read more at www.cesa.org/projects/state-leadership-in-clean-energy/
2018 Award Winners

• Connecticut Green Bank for its “Solar for All” Partnership
• Massachusetts Clean Energy Center and the Massachusetts Department of Energy Resources for the Advancing Commonwealth Energy Storage (ACES) Program
• New York State Energy Research and Development Authority (NYSERDA) for the Clean Energy Communities Program
• Oregon Department of Energy for the Renewable Energy Development Grant Program
• Rhode Island Office of Energy Resources for the Block Island Offshore Wind Farm
• Xcel Energy Renewable Development Fund for the MPRB Solar Demonstration Project

Learn more about the winning programs at: http://bit.ly/SLICE-2018
Advancing Clean Energy Progress: Past, Present, and Future

This report presents case studies of the six recipients of the 2018 State Leadership in Clean Energy Awards.

2018 State Leadership in Clean Energy Webinar Series

• State Programs for Clean Energy in Local Jurisdictions: Examples from New York and Oregon (7/11)

• Expanding Solar PV Finance and Markets in Connecticut and Minnesota (8/2)

• Building Markets: Energy Storage in Massachusetts and Offshore Wind in Rhode Island (8/9)

Read more and register at: www.cesa.org/webinars
State Programs for Clean Energy in Local Jurisdictions: Examples from New York and Oregon

Webinar Speakers

- **Kelly Tyler**, Director, Communities and Local Governments, NYSERDA
- **Brad Tito**, Program Manager, Communities and Local Governments, NYSERDA
- **Jennifer Kalez**, Public Affairs & Outreach Coordinator, Oregon Department of Energy
- **Michael Williams**, Incentives Program Manager, Oregon Department of Energy
- **Maria Blais Costello**, Manager of Program Administration, CESA (moderator)
Clean Energy Communities

Clean Energy States Alliance (CESA) Webinar - July 11, 2018

Kelly Tyler, Director
Brad Tito, Program Manager

Communities and Local Government Team at NYSERDA
Clean Energy Communities Program

An opportunity for communities to earn grants and recognition by demonstrating leadership in the area of clean energy. All city, town, village, and county governments, tribes, and nations may apply.

**STEP 1:** Earn the Clean Energy Community designation by completing 4 out of 10 high-impact, clean energy actions.

**STEP 2:** Apply for a grant of between $5K and $250K, with no local cost share, to support additional clean energy projects

Expert guidance is provided by dedicated and knowledgeable Clean Energy Communities Coordinators located in each region of the state at no cost to the local government.

Toolkits are available for each high impact action with things like guides, template resolutions, calculators, and case studies to cut the staff time needed to participate even further.
## Grants

<table>
<thead>
<tr>
<th>Municipality Size by Population</th>
<th>Block 1 Awards</th>
<th>Block 2 Awards</th>
<th>Block 3 Awards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large (40,000+)</td>
<td>Number of Awards in each Region and Amount</td>
<td>Number of Awards in each Region and Amount</td>
<td>100 Awards Total - No more than 25 Awards in each Region</td>
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<tr>
<td></td>
<td>2</td>
<td>$250,000</td>
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<td>Small/Medium (0-39,999)</td>
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Regional Coordinators
10 High-Impact Actions

1. Benchmarking
2. Clean Energy Upgrades
3. LED Street Lights
4. Clean Fleets
5. Solarize
6. Unified Solar Permit
7. Energy Code Enforcement Training
8. Climate Smart Communities Certification
9. Community Choice Aggregation
10. Energize NY Finance
NYSERDA’s Clean Energy Communities Program

198
Clean Energy Communities

418
Participating Communities

1,167
High-Impact Actions Completed
Actions Completed

- Street Lights Converted to LED: 259,200
- Electric Vehicles Deployed: 620
- Electric Vehicle Charging Ports Installed: 807

- Municipal officials that have completed Energy Code Enforcement Training: 662
- Resolutions passed to track and report energy use in municipal buildings: 250
- Communities That Have Adopted the NYS Unified Solar Permit: 268
NYS Population Represented

- 27% (5.4M) Designated Communities
- 15% (3.0M) Participating Communities
- 57% (11.1M) Inactive Communities
Regional Snapshot (Population Represented)

25 CECs
Western NY

21 CECs
Finger Lakes

18 CECs
Southern Tier

25 CECs
Central NY

17 CECs
Mohawk Valley

14 CECs
North Country

25 CECs
Capital District

28 CECs
Mid Hudson

17 CECs
New York City

25 CECs
Long Island

Designated Communities
Participating Communities
Inactive Communities
# High-Impact Action Engagement by Action

<table>
<thead>
<tr>
<th>Number of Communities</th>
<th>Community Choice Aggregation</th>
<th>Energy Code Enforcement Training</th>
<th>LED Street Lights</th>
<th>Climate Smart Communities Certification</th>
<th>Clean Fleets</th>
<th>Solarize</th>
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<th>Benchmarking</th>
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</table>
A Few Words from Local Elected Officials

This is a great program.
- Town of Cazenovia Supervisor Bill Zupan

We are honored to be recognized by NYSERDA.
- Ulster County Executive Mike Hein

It’s a smart way to save money for the Village and promote clean energy at the same time.
- Village of Champlain Trustee Janet McFetridge

We are proud to be New York’s first city to be declared a Clean Energy Community.
- City of Kingston Mayor Steve Noble

The beauty of these things is that they are better for the environment and can actually save us money.
- Town of Smithtown Supervisor Patrick Vecchio

It’s important to show that we’re already doing this and that a small village is able to do these type of things.
- Village of Minoa Mayor Bill Brazill

A win-win for the town, both in terms of cost-savings and the environment.
- Town of Ellicott Supervisor Patrick McLaughlin
Lessons Learned

• Local governments and communities often struggle with a lack of funding, lack of staff capacity, and lack of information needed to prioritize and implement clean energy solutions.

• Technical support from trusted, local coordinators allows even resource-constrained local governments to complete high-impact actions.

• The economic benefits of clean energy are broadly appealing. Clear guidance, recognition opportunities, and even small grants will drive action.

• Once one action is completed, communities are much more likely to pursue additional actions.

• Get them in the door with low hanging fruit but then go deeper.
Oregon Department of ENERGY

Renewable Energy Development Grant Program
2018 SLICE Award Winner

Michael Williams
Jennifer Kalez
July 11, 2018
OREGON DEPARTMENT OF ENERGY

Mission:
Leading Oregon to a safe, clean, and sustainable energy future.

- Energy planning and innovation
- Conservation efforts
- Nuclear safety and emergency preparedness
- Siting large energy facilities in the state
- Energy system resiliency
- Greenhouse gas reductions and climate change
SUPPORTING CLEAN ENERGY IN OREGON

Oregon programs support clean energy:
• Renewable Portfolio Standard – 50% by 2040
• Phase-out of coal-powered electricity by 2030
• Increase in utility-scale renewables, including solar
• Energy incentive programs
• Project support and guidance
Promotes investment in and development of renewable energy projects by providing a grant up to $250,000 for businesses, organizations, public bodies, schools, nonprofits, and federally-recognized tribes that plan to install and operate a renewable energy system that produces electric energy.

Eligible projects:
- Biomass
- Solar
- Geothermal
- Hydroelectric
- Wind
- Landfill Gas
- Biogas
- Wave, tidal, or ocean thermal energy

Grants cannot exceed 35% of eligible project costs.
RED Grant Program funding comes from an independently-administered tax credit auction:

- Tax credit auction held by Oregon Department of Revenue
- Oregonians bid on tax credits in increments of $500
- $3 million in tax credits may be auctioned each biennium
- Nine auctions since 2011 have provided over $8.5 million into RED
- Applicants pay fees to cover the cost to administer the program
• Grant rounds are issued through an Opportunity Announcement about once per year, $1.5 - 2 million at a time
• Competitive grants, up to $250,000
• Funds divided into two pools
  – $500,000 for projects sized up to 300 kW (AC)
  – $1.5 million for projects greater than 300 kW (AC)
• Applications are scored out of 115 points
• Feasibility of the system/project earns up to 25 points
• Energy generation and financial strength are worth 20 each
• New for 2018 – a resiliency component worth 10 points
During the competitive review process, award amounts can be adjusted to help spread funding to more applicants. Top-ranked applications move to a technical review. If project passes tech review, ODOE and awardee enter performance agreement.
CONSTRUCTION & COMPLIANCE

• Construction must begin within 12 months of executing the performance agreement
• Performance agreements include a timeframe to completion – usually 2-3 years
• After completion, ODOE conducts a site visit prior to disbursing funds
• Projects must remain in operation for at least 5 years

Grant funds are dispersed after system is complete and operational
Since 2012, ODOE has awarded nearly $7 million in RED Grants

$2.2 Million
- 35 projects completed and awarded
- All solar

$2.8 Million
- 20 projects in review or have performance agreements
- Mostly solar, also biogas, hydro, & geothermal

$2 Million
- 18 new awards for 2018
- Mostly solar, some with storage
- Also biogas and microhydro
RED Grants

- Completed
- In Process/Performance Agreement
- 2018 Awardees

Google Maps
$36,120 Grant – 56 kW Solar Array at ReStore

Electricity cost savings at the ReStore help support Habitat homeownership programs.
COYOTE TRAILS SCHOOL OF NATURE

$11,356 Grant – 14 kW Solar Array in Medford

Solar array has become part of the school’s teaching curriculum.
SANTIAM VALLEY RANCH

$28,000 Grant – 20 kW Solar Array in Turner

Between RED-funded solar array and an onsite wind turbine, electricity bill is $0.
$250,000 Grant – 350 kW Solar in Marion County

Multiple arrays on the farm support irrigation efforts.
$128,042 Grant – 200 kW Community Solar in Bend

Arrays totaling nearly 200 kW support the public utility’s “Shared Solar” program.
$187,500 Grant – 6.8 MW Array in Bly

The 6.8 MW project covers 40 acres with 21,964 panels.
LEVERAGE

RED Grant funds often leverage funding from other sources, such as federal grant programs, Energy Trust of Oregon support, and programs from Oregon utilities.

Leveraged amounts vary by project and organization, but many awardees earn a variety of funds thanks to the strength of their projects.

Bend Area Habitat for Humanity paid $0 out of pocket after its RED Grant and funding from Energy Trust of Oregon and Pacific Power’s Blue Sky Renewable Energy Program.
The 55 RED Grant-funded projects (not including 2018) are built to generate about **103 million** renewable kilowatt hours each year.

The projects prevent the release of 156 million pounds of CO2, compared to fossil fuel-generated electricity.*

*According to the U.S. Environmental Protection Agency, one kWh of fossil fuel-generated power produces about 1.52 pounds of CO2.
CONTACT US

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Thank you for attending our webinar

Maria Blais Costello
Manager of Program Administration, CESA

maria@cleanegroup.org

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