EVERYONE WINS: STATE-LEVEL PROGRAMS CAN SPUR LOCAL CLEAN ENERGY ACTION

Statewide programs that provide assistance to local communities to ramp up clean energy initiatives can be an effective way to increase the deployment of renewable energy, energy efficiency, and clean transportation options that decrease greenhouse gas emissions and provide a multitude of other benefits.

Through such initiatives, states can support local action with the provision of:

- Technical support, which gives localities many of the tools they need to adopt and implement policies and programs
- Recognition for participants and multi-jurisdictional participation that fosters healthy competition and peer-to-peer learning
- Financial incentives, in certain cases, to facilitate capital and other investments

This fact sheet provides an overview of state-level programs that are focused on spurring local communities to take action on clean energy: what they are, how they work, and how they can serve as an important tool for policymakers seeking to reduce greenhouse gas emissions.¹

STATE-LOCAL CLEAN ENERGY PROGRAM GOALS:

- Reduce statewide greenhouse gas emissions to help achieve state and local climate and clean energy targets
- Support local communities in a pragmatic, cost-effective manner to enhance local capacity on designing and implementing clean energy policies, programs, and projects
- Build stakeholder support and continued engagement for clean energy actions

WHY ARE LOCAL COMMUNITIES SO IMPORTANT?

- Cities account for almost 70 percent of U.S. greenhouse gas emissions.³
- Local jurisdictions are the gateways to the implementation of policies and projects supporting clean energy adoption.
  - Local regulations can catalyze (or impede) the implementation of renewable energy like wind and solar, energy efficiency measures, and clean transportation.
  - Local communities have jurisdiction over zoning codes and building energy code enforcement and can often adopt elements that are more stringent than what exists at the state level.
  - Local communities can implement or pilot clean energy initiatives and are often open to exploring innovative options to advance policy goals.

For more information, please contact:
Samantha Wilt, swilt@nrdc.org
Donna De Costanzo, ddecostanzo@nrdc.org

JUNE 2019
FS: 18-09-C
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BENEFITS OF STATE–LOCAL CLEAN ENERGY PROGRAMS

There are myriad benefits from such collaboration for both the state and local communities.

State benefits:
- Helps the state move closer to its climate and clean energy goals
- Provides economies of scale for programmatic investment
- Shares climate and environmental program experience and expertise with local governments, thus creating a longer-lasting impact beyond any one state administration
- Builds local support for state policies
- Helps spur economic development around the state

Local community benefits:
- Provides access to additional technical support and financial incentives
- Better enables communities to achieve local climate and clean energy goals, relative to independent efforts alone
- Offers access to shared best practices and advice from other policymakers across the state
- Spurs new investment in clean energy projects, which can bring new, good local jobs

SEVERAL MODELS OF STATE–LOCAL CLEAN ENERGY PROGRAMS EXIST

There are a number of state-level programs that encourage and support communities to take action on clean energy. These initiatives are sometimes spearheaded by a state government agency, often an environment-focused one, but can also be led by a nonprofit organization or other entity.

The two most common program models, which are depicted on the following page, are:

1. A certification program, which requires the completion of certain action items by participating communities and which may open access to incentive funding for additional clean energy investments
   - Actions typically include advanced energy efficiency projects, renewable energy investments, programs to advance electric vehicles and/or smart planning efforts that target municipal operations or enable community-wide adoption of such clean energy initiatives

2. A collaborative information-sharing program, which offers best practices and encourages voluntary participation by communities
   - No mandatory actions need to be implemented for participation
   - Grant funding is typically not available to community participants

SPOTLIGHT ON NEW YORK’S CLEAN ENERGY COMMUNITIES PROGRAM

- Launched in August 2016
- Administered by the New York State Energy Research and Development Authority (NYSERDA)
- Communities must complete four out of ten “high-impact action items” to earn certification and access to grants ranging from $5,000 to $250,000
- High-impact action items include:
  - building energy benchmarking
  - code enforcement training
  - streamlining of solar permitting
  - implementing a solarize campaign
  - clean energy upgrades for municipal buildings
  - conversion of streetlights to LED technology
  - deployment of electric vehicles and/or charging stations
  - certification as a Climate Smart Community
  - implementing a Clean Energy Community Choice Aggregation program
  - implementing a commercial PACE financing program
- Grants received must be used for additional clean energy initiatives
- As of May 2019:
  - 552 communities are participating in the program; 273 of those have been certified as Clean Energy Communities
  - 1,573 high-impact actions have been completed
  - More than 85 percent of New York State’s population lives in a community that has completed at least one high-impact action item
- The program is funded through a surcharge on customer energy bills dedicated to energy efficiency and renewable energy projects and through Regional Greenhouse Gas Initiative auction proceeds
Examples include: Sustainable Jersey, MA Green Communities, NY Clean Energy Communities

Examples include: CA Sustainability Alliance, Minnesota Greenstep Cities, Sustainable Maine
There are numerous states with some type of program to encourage local action on clean energy. Some programs focus exclusively on that issue, while others have a broader sustainability focus and include other topics, such as recycling, cleaner transportation, and smart planning. The degree of ambition varies by program, with some attempting to encourage cutting-edge clean energy efforts and others helping local communities explore more entry-level policies and programs. Below are examples of such state-local programs.

<table>
<thead>
<tr>
<th>State</th>
<th>Name</th>
<th>Administering Entity</th>
<th>Model Type</th>
<th>Incentives Offered</th>
<th>Website</th>
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<tbody>
<tr>
<td>California</td>
<td>California Sustainability Alliance*</td>
<td>Nonprofit</td>
<td>Information sharing</td>
<td>No</td>
<td><a href="https://sustainca.org">https://sustainca.org</a></td>
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<td>California</td>
<td>Green Cities California*</td>
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<td>Connecticut</td>
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<td>Iowa</td>
<td>Iowa Green Streets*</td>
<td>State government</td>
<td>Economic development†</td>
<td>Yes</td>
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<td>Sustainable Maine*</td>
<td>Nonprofit</td>
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<td><a href="https://www.nrcm.org/projects/sustainability">https://www.nrcm.org/projects/sustainability</a></td>
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<td>Maryland</td>
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<td>Green Communities</td>
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<td><a href="https://www.mass.gov/guides/becoming-a-designated-green-community">https://www.mass.gov/guides/becoming-a-designated-green-community</a></td>
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<td>Michigan</td>
<td>Michigan Green Communities*</td>
<td>State government, local government associations</td>
<td>Information sharing</td>
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<td><a href="http://migreencommunities.com">http://migreencommunities.com</a></td>
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<tr>
<td>Minnesota</td>
<td>Minnesota Greenstep Cities*</td>
<td>State government, local government association, nonprofits</td>
<td>Information sharing</td>
<td>No</td>
<td><a href="https://greenstep.pca.state.mn.us">https://greenstep.pca.state.mn.us</a></td>
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<td>New Jersey</td>
<td>Sustainable Jersey*</td>
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<td><a href="http://www.sustainablejersey.com">http://www.sustainablejersey.com</a></td>
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<td>New York</td>
<td>Clean Energy Communities</td>
<td>State government</td>
<td>Certification</td>
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<td><a href="https://www.nyserda.ny.gov/All-Programs/Programs/Clean-Energy-Communities">https://www.nyserda.ny.gov/All-Programs/Programs/Clean-Energy-Communities</a></td>
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<td>Sustainable Pennsylvania*</td>
<td>Nonprofit, local government association</td>
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<td>Tennessee Valley Authority service territory</td>
<td>Valley Sustainable Communities*</td>
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<td>Certification</td>
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<tr>
<td>Vermont</td>
<td>VECAN (Vermont Energy &amp; Climate Action Network)*</td>
<td>Nonprofit partnership</td>
<td>Information sharing</td>
<td>No</td>
<td><a href="https://vecan.net">https://vecan.net</a></td>
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<td>Virginia</td>
<td>Go Green Virginia*</td>
<td>Local government association</td>
<td>Certification</td>
<td>No</td>
<td><a href="http://www.gogreenva.org">http://www.gogreenva.org</a></td>
</tr>
<tr>
<td>Wisconsin</td>
<td>Legacy Communities*</td>
<td>Nonprofit partnership</td>
<td>Certification</td>
<td>Yes</td>
<td><a href="http://greentiercommunities.org">http://greentiercommunities.org</a></td>
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</tbody>
</table>

* Includes other sustainability efforts in addition to clean energy.
† Sustainable Connecticut is an independently funded, voluntary certification program that has replaced the state- and utility-managed Clean Energy Communities program.
‡ In the Iowa Green Streets program, economic development dollars are used as incentives to integrate priority clean energy and broader sustainability actions into economic development projects.
EXAMPLES OF SUCCESS FROM STATE–LOCAL CLEAN ENERGY PROGRAMS

Sustainable Jersey (2009–present) is a voluntary sustainability certification program run by a nonprofit and funded through government, corporate, and foundation grants, events, and program sponsorship:

- 79 percent of New Jersey’s 565 towns participate in Sustainable Jersey and 89 percent of the state’s population lives in a registered or certified community.
- Participants have successfully implemented and documented more than 9,000 sustainability actions, such as tracking and reducing energy use, installing electric vehicle charging stations, and developing community gardens.
- Sustainable Jersey has provided more than $4.9 million in grants to towns, school districts, and schools for local projects that create healthy and sustainable communities in the state. 8

The Green Communities Program is an initiative run by the Massachusetts Department of Energy Resources, focused on providing grants, technical assistance, and local support to help municipalities reduce energy use and costs by implementing clean energy projects in municipal buildings, facilities, and schools: 9

- At 240 Green Communities, participation in the program has steadily grown from its launch in 2008 to include more than two-thirds of municipalities in the state and over 78 percent of the population.
- The Green Communities Program has provided over $100 million in grants to municipalities for energy efficiency and other clean energy projects.
- Participating Green Communities reduced their energy consumption by 11 percent, or 1.1 TBtus, in 2017.

CONCLUSION

State-level programs that encourage local clean energy action are an effective way to help cities, towns, and counties implement measures to reduce energy consumption, increase the deployment of renewable energy resources, and promote clean transportation solutions. These programs can decrease greenhouse gas pollution and help states and local communities achieve climate and clean energy goals, such as meeting the emissions-reduction targets in the Paris Accord. There are various models for states to follow in developing such programs. Deciding which approach to take depends on several factors, including the existing clean energy framework and the entities that may exist within a given state to administer such an initiative.

ENDNOTES

1 These programs are distinguished from other important state-level and utility programs that may also provide local governments with specific clean energy assistance, but that are not primarily “community-focused” and don’t necessarily include programmatic elements (such as certification, sharing of best practices, etc.) similar to the programs highlighted herein.


7 https://www.nyserda.ny.gov/All-Programs/Programs/Clean-Energy-Communities/CEC-Map (accessed May 24, 2019).

8 Sustainable Jersey 2019 infographic provided by Sustainable Jersey on February 11, 2019.

9 Email from Dan Burgess, MA DOER Deputy Commissioner and Chief of Staff, February 7, 2019.