

EECBG Program: Energy Efficiency and Conservation Strategy Template for Local Governments

Local governments must submit a proposed Energy Efficiency and Conservation Strategy (EECS) to the Department of Energy (DOE) to meet the statutory requirements for the Energy Efficiency and Conservation Block Grant (EECBG) Program. The proposed EECS must include the information contained in Part A of this template. Local governments may use this streamlined EECS Template to meet the requirement, but the template is not required. If a local government chooses to submit an EECS using an alternative format, the information outlined in Part A must be included in the submission.

Local governments have the option of submitting their EECS at the time of application or no later than 1 year after the effective date of the award. If the latter option is chosen, the EECS should be a comprehensive strategy that covers, at a minimum, all items detailed in this template. DOE will provide informational resources and technical assistance to support the development of comprehensive strategies.

Local governments that *do not* submit an EECS with their application must submit an EECBG Program Activity File with their application and select Activity 1 (Energy Efficiency and Conservation Strategy).

Part A

Grantee: City of Ann Arbor
Date: 8/31/2023
UEI Number: R9C4BRD4M7L9
Program Contact Email:

1) Local governments must include within their proposed strategy a description of their goals for increased energy efficiency and conservation in the jurisdiction. Does your local government have existing energy efficiency and conservation or related goals?

a. Yes

i. What goals do you have? (check all that apply)

1. GHG reduction goal

a. Specific goal (e.g., 80% GHG reduced from 1990 levels):

Community-wide carbon neutrality by 2030.

b. By what year? (e.g., 2050)

2030

2. Energy use reduction goal

a. Specific goal:

85% of owner occupied homes, 80% of tenant occupied homes, and 80% of businesses achieve a 20% reduction in electricity usage and a 15% reduction in natural gas usage by 2030.

b. By what year?

2030

3. Clean energy use goal

a. Specific goal:

The community's electricity is powered with 100% renewable energy by 2030.

b. By what year?

2030

4. EV adoption goal

a. Specific goal:

By 2030, 50% of all vehicle miles traveled are in electric vehicles.

b. By what year?

2030

5. Job creation goal

a. Specific goal:

b. By what year?

6. Job quality goal

a. Specific goal:

b. By what year?

7. Other

a. Specific goal:

a. 78MW of new, local, onsite renewable energy generation in the community. b. By 2030, 100% of city facilities, 30% of owner-occupied homes, and 25% of rental properties have fully electrified. c. By 2025, 90% of the viable City fleet has transition to electric. d. By 203, 50% of private fleets within the City are electric. e. 10% of all public parking spaces are equipped with level 2 EV chargers by 2030. f. By 2029, all streetlights and traffic signals have been converted to LEDs.

b. By what year?

2030

b. No, our local government does not have an existing goal, but we are selecting the following goal as part of our strategy. If you select option 5, you must also select from options 1-4 or option 6 (may select more than one option).

- i. Carbon neutrality by 2050 or sooner
- ii. Reduce energy use by 50% by 2050 or sooner
- iii. 100% carbon-free energy use by 2050 or sooner
- iv. 80% EV adoption by 2050 or sooner
- v. Pay prevailing wages for all construction and maintenance projects by 2025
- vi. Other

2) Does your local government have an existing plan or strategy document (e.g., climate action plan, energy conservation plan, comprehensive energy plan, etc.) to reduce energy use, increase energy efficiency, reduce emissions, or train workers for high-quality energy efficiency jobs?

a. Yes

i. Strategy document uploaded:

ii. Do you intend to update your plan in the next two years?

1. Yes

a. Are you planning to use any of your EECBG Program funds to update your plan?

i. Yes

ii. No

b. What updates do you intend to make to your plan?

b. No

i. Please briefly describe your strategy to achieve your goals listed in Question 1

Our Ann Arbor Office of Sustainability and Innovations is the caretaker for our A2ZERO plan and the goals associated with it (aka, response to question 1). The staff work collaboratively with private businesses, nonprofits, housing agencies, the public schools, the University of Michigan, our transit authority, and the County government to identify strategic opportunities to move the actions outlined in A2ZERO forward. More information on the work of the Office towards achieving the A2ZERO goals can be found in our annual reports, located at: <https://www.a2gov.org/departments/sustainability/Carbon-Neutrality/Pages/default.aspx>

3) Are you planning to use a blueprint (see Section 4.5 of the EECBG Program Formula Grant Application Instructions document for more details)?

a. Yes

i. Which one(s)?

Energy Planning

1. Energy Planning

Efficient Buildings

2a. Energy Efficiency - Energy Audits and Building Upgrades

2b. Energy Savings Performance Contracts: Energy Efficiency and Electrification in Government Buildings

2c. Building Electrification Campaign

2d. Building Performance Standards & Stretch Codes

Renewables

3a. Solar & Storage - Power Purchase Agreements and Direct Ownership

3b. Community Solar

3c. Solarize Campaign

3d. Renewable Resource Planning for Rural and Tribal Communities

Electric Transportation

4a. Electric Vehicles and Fleet Electrification

4b. EV Charging Infrastructure for the Community

Finance

5. Unlocking Sustainable Financing Solutions for Energy Projects and Programs with Revolving Loan Funds

Workforce

6. Workforce Development

ii. How does this blueprint help you meet your strategy/goals?

Our proposed project, and the blueprints selected to get there, will help us advance community climate action by creating a living, learning environment that demonstrates all of the various tools, technologies, and techniques that can be used in our cold-climate to create a carbon neutral building. It will serve as an educational facility as well as a community resilience hub and a fully carbon neutral building that continues to provide critical social and educational support to an existing low-income neighborhood.

b. No

i. What category of work do you plan to apply your EECBG Program funds to? (check all that apply)

1. Strategy development

a. Developing goals

b. Developing measures to track progress

c. Providing annual reporting on goals

2. Technical consultant services to assist in strategy development

3. Building energy audits

a. Residential

b. Commercial

c. Industrial

d. Municipal

4. Financial programs

a. Loan programs

b. Performance contracting programs

c. Rebates/grants

d. Incentives

- e. Other
- 5. Energy efficiency retrofits
 - a. Residential
 - b. Commercial
 - c. Industrial
 - d. Municipal
- 6. Energy efficiency and conservation programs for buildings and facilities
 - a. Residential
 - b. Commercial
 - c. Industrial
 - d. Municipal
- 7. Transportation Programs
 - a. Electric vehicle planning
 - i. Municipal
 - ii. Communitywide
 - b. Purchasing of electric vehicles
 - c. Installation of electric vehicle chargers
 - i. Municipal
 - ii. Communitywide
 - d. Use of flex time by employers
 - e. Satellite work centers
 - f. Zoning guidelines or requirements that promote energy efficient development
 - g. Infrastructure, such as bike lanes and pathways and pedestrian walkways
 - h. Synchronization of traffic signals
 - i. Public transit system improvement investments
 - j. Other
- 8. Building codes and inspection
 - a. Updating building codes
 - b. Improving enforcement/compliance with building codes
 - c. Building performance standards
 - d. Other
- 9. Energy distribution technologies for energy efficiency
 - a. Distributed resources
 - b. District heating and cooling systems
 - d. Other
- 10. Material conservation programs
 - a. Source reduction
 - b. Recycling
 - c. Composting
 - d. Sustainable procurement
 - e. Other
- 11. Reduction and capture of methane and other greenhouse gases generated
 - a. Landfills
 - b. Wastewater treatment facilities
 - c. Other
- 12. Traffic signals and street lighting upgrades
- 13. Renewable energy on government buildings
 - a. Solar
 - b. Wind
 - c. Fuel cells
 - d. Biomass
- 14. Programs for financing, purchasing, and installing energy efficiency, renewable energy, and zero-emission transportation (and associated infrastructure)

15. Other (requires approval of Secretary)

ii. How will your use of funds help your unit of government meet its strategy/goals?

iii. Provide a brief description of your project(s)?

4) Local governments must coordinate and share information with the State in which the eligible local government is located regarding activities carried out using the grant to maximize the energy efficiency and conservation benefits under the EECBG Program. Have you coordinated and shared your planned activities with your State?

a. Yes

i. Please describe how you plan to coordinate with your State

Yes, we have shared our strategy with the State's climate office. We also agree to share our progress with the CLC community, which is composed of municipal leaders throughout the State working on climate action (and is funded by the State of Michigan's EGLE Department).

5) Local governments must take into account any plans for the use of funds by adjacent eligible local governments that receive grants under the EECBG Program. Have you taken into account how adjacent eligible units of local governments plan to use their funds?

a. Yes

Part B

1) Do you plan to collaborate with other eligible units of government?

a. Yes, we are going to form a team and apply through a joint application

i. List the names of the units of government

1. Which unit of government is serving as the lead applicant?

ii. Please describe what your team plans to work on together

b. Yes, we are going to informally collaborate

i. List the names of the units of government

ii. Please describe your planned collaboration

c. We are not yet sure if we are going to collaborate with others

d. No

2) Are you planning to partner with other organizations including utilities, energy industry and financial companies, community-based organizations, labor unions, and other non-profit organizations for your project?

a. Yes

i. Please list your partners

Yes – we are directly collaborating with Community Action Network (CAN), a local CBO that serves the Bryant Community in implementing this project. CAN operates the Bryant Community Center, providing all of the programming and staffing to make the Center a success. They coordinated with us on this application and are full partners on implementation and operations.

b. No

3) Have you engaged local stakeholders (such as utilities, energy industry and financial companies, community-based organizations, labor unions, and other non-profit organizations) in the development of your plan and/or how you intend to use your EECBG Program allocation?

a. Yes

b. No

4) Will this EECBG Program funding help you to access additional sources of funding?

a. Yes

i. What kind? (check all that apply)

1. Local government

2. State government

3. Federal government

4. Philanthropic

5. Private sector

6. Other

b. No

i. Would you like assistance in identifying other sources of funding?

a. Yes

b. No

5) Do you anticipate needing support for your project development/implementation?

a. Yes

i. What kind? (check all that apply)

1. Policy, planning and program design

2. Retrofits

3. Engineering and modeling

4. Stakeholder engagement

5. Program administration and implementation support

6. Outreach, education and advertising

7. Other

b. No

6) Do you anticipate the project(s) you use this funding for will continue after the EECBG Program funding period?

a. Yes

i. Describe how the projects(s) have been designed to ensure that it sustains benefits beyond the EECBG Program funding period

The City's goal is community-wide carbon neutrality by 2030. While this project will be a capstone in this work, a greater deal more is needed to achieve our goal. We anticipate making this site a key piece of our educational work, bringing in the public and partners to see a living laboratory of what it takes to become carbon neutral in our cold climate.

b. No

i. What would help you to continue? (check all that apply)

- 1. Local sustainable financing
- 2. Public and local political support
- 3. Staff capacity
- 4. Other

7) How will your project(s) benefit disadvantaged communities? (check all that apply)

a. Benefits include (but are not limited to) measurable direct or indirect investments or positive project outcomes that achieve or contribute to the following in disadvantaged communities:

- i. A decrease in energy burden
- ii. A decrease in environmental exposure and burdens
- iii. An increase in access to low-cost capital
- iv. An increase in job quality (including paying prevailing wages for construction and maintenance projects by 2025)
- v. An increase in clean energy enterprise creation and contracting (e.g., minority-owned or disadvantaged business enterprises)
- vi. An increase in clean energy jobs, job pipeline, and job training for individuals from disadvantaged communities
- vii. An increase in parity in clean energy technology access and adoption
- viii. An increase in energy democracy
- ix. Other

1. Please explain

o An increase in resilience due to the Center being a resilience hub (which is a core element of the project). o The neighborhood surrounding the Center is a low-income community of color that the City, CAN, and the residents have been working to make the nation's first carbon neutral existing neighborhood. The transition of the community center to a carbon neutral building is a key piece of this work – serving not only as a beacon of the work we are doing, but also a living laboratory so residents can see the types of technologies and techniques we are promoting, learn about them, engage with them, and receive support in implementing these solutions in their own homes (through other work the City is doing).

8) How will your strategy support the goal that 40% of the overall benefits of certain federal investments flow to disadvantaged communities, in line with the Justice40 initiative?

The Bryant Community Center serves the residents of Bryant. The Bryant neighborhood is an underserved, frontline community, consisting of 262 households, of which 75% are considered low-income with median household incomes of \$45,464. Over 50% of residents are Black, Indigenous, People of Color (BIPOC) and 50% are renters. Average home values are just under \$150,000, compared to \$435,000 city-wide. Median monthly rents are \$662, but many units rent for over \$1,000. Over one-third of households are energy burdened. The majority of households in Bryant qualify for weatherization assistance, but many homes are in too poor of a condition to be served. The Bryant neighborhood is directly adjacent to the City's capped landfill and a busy highway system. Prone to flooding and with extremely low tree canopy coverage, the neighborhood lacks natural system amenities largely enjoyed in all other areas of the City. Put simply, the Bryant neighborhood is a Justice40 neighborhood.