

SUSTAINABILITY
SUMMIT



Planning Paves the Way: Energizing Municipalities through Community Energy Planning and Implementation

May 3rd, 2024

IG: [Sustainable_Jersey](#) | X: [@SJ_Program](#) and [@SJ_Schools](#) | FB: [@SustainableJersey](#) | LinkedIn: [sustainable-jersey](#)



Today's Agenda

Welcome & Introduction to Community Energy Planning

Tori Bearden, Sustainable Jersey

Overview of the NJBPU Community Energy Plan Grant (CEPG)

David Titus, New Jersey Board of Public Utilities

Brick Community Energy Planning Experience

Vincent Palmieri, Brick Township Planning Department

Hoboken Community Energy Planning Experience

Yasmine Pessar, Hoboken City Department of Climate Action & Innovation

Sustainable Jersey Resources for Effective Community Energy Planning

Tori Bearden, Sustainable Jersey

Questions and Thank You!





What is Community Energy Planning?

- CEP process identifies **the steps** needed to **implement** selected **energy efficiency initiatives** in your municipality
- Finalized document of plan presented to the **municipal council for adoption** as an official strategy for advancing the identified initiatives

The 6 topics that these energy initiatives are nested within include...

Transportation
Renewable Energy
Energy Efficiency
Reducing Emissions
Encouraging Participation in LMI Communities
Expanding the Clean Energy Economy



What Does a Municipality Get Out of CEP?

- **Clear, agreed upon set of energy initiatives** to be implemented in the next 3-5 years
- Create a Sustainable Energy Community
 - Lower utility costs
 - Better understanding of energy use
 - Reduce greenhouse gas emissions
 - Create local jobs
 - Community action & engagement through initiatives
 - Sustainable Jersey energy actions
 - Achieve NJ Energy Master Plan goals

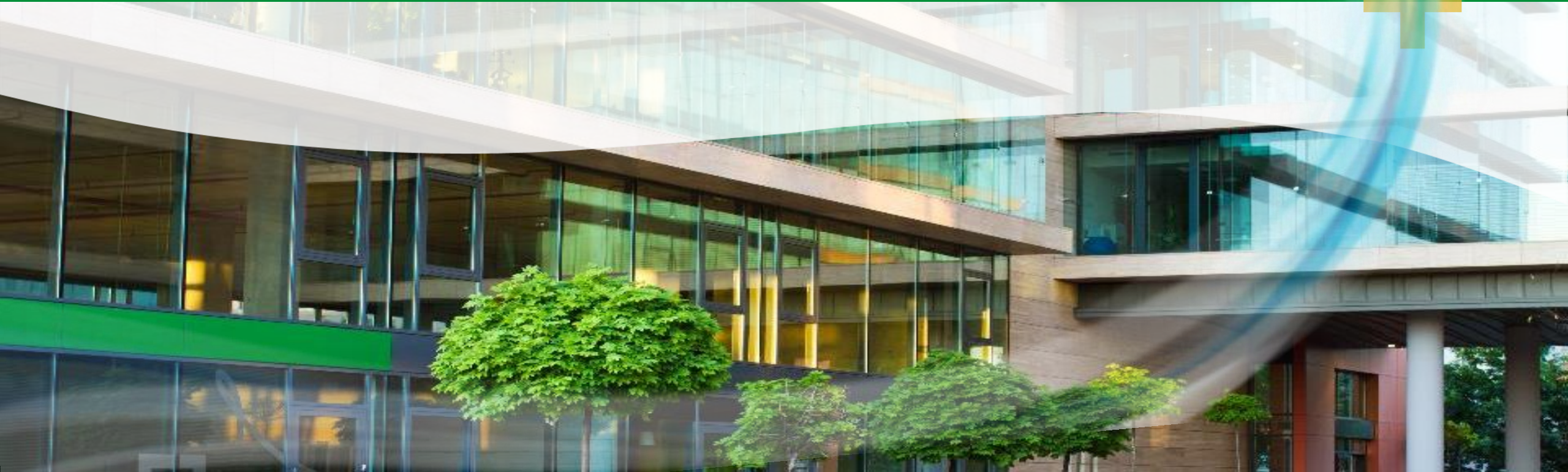




New Jersey's
cleanenergy
program™



Community Energy Plan Grant Program

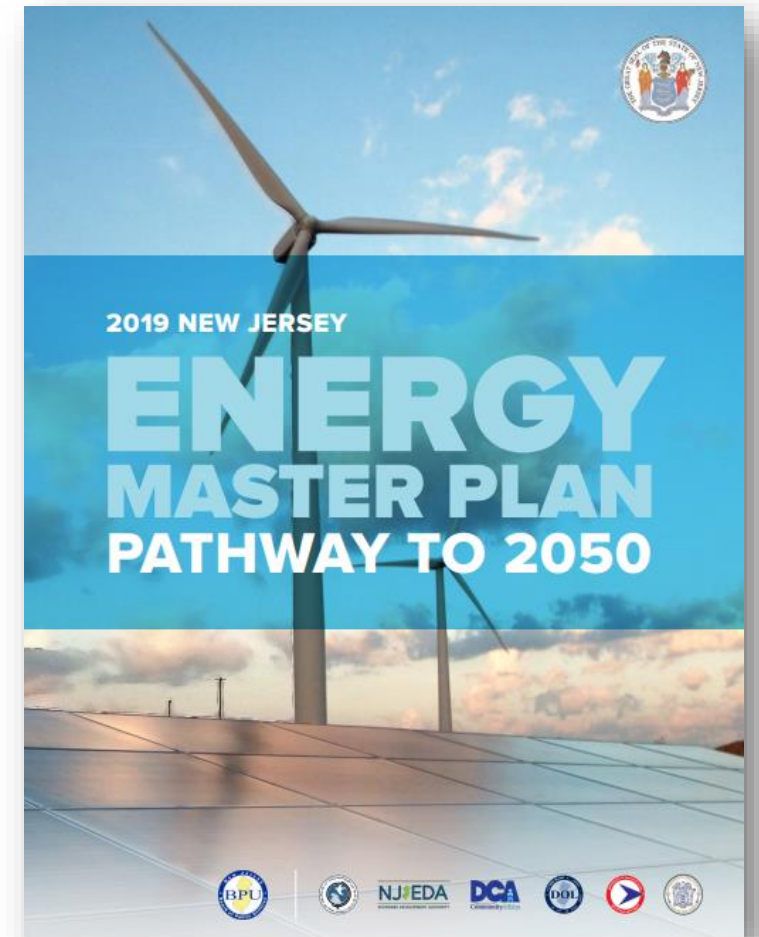


Community Energy Plan Grant (CEPG)

The Community Energy Plan Grant (CEPG) program was designed to support municipalities in developing **community-level energy plans** that align with the strategies in New Jersey's Energy Master Plan.

All New Jersey municipalities are eligible for \$10,000.

Overburdened municipalities are eligible for \$25,000 and enhanced technical assistance.



Recap of Second Round

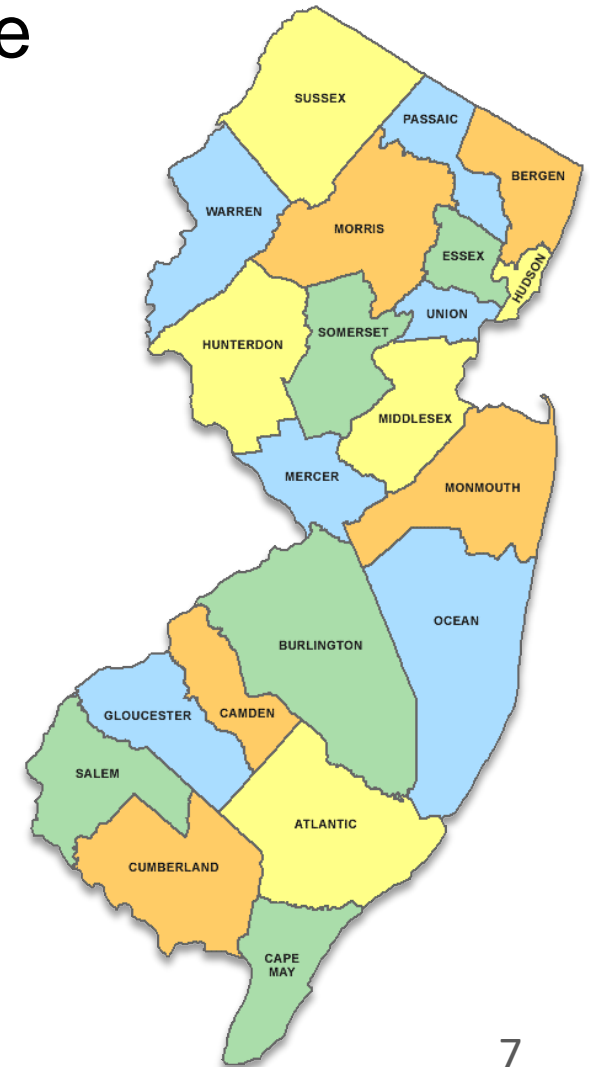
Participation from municipalities throughout the State covering **20** counties

CEPG program year 2 awardees by county:

Atlantic – 3
Bergen – 2
Burlington – 2
Camden – 5
Cape May – 5
Cumberland – 1
Essex – 4
Gloucester – 1

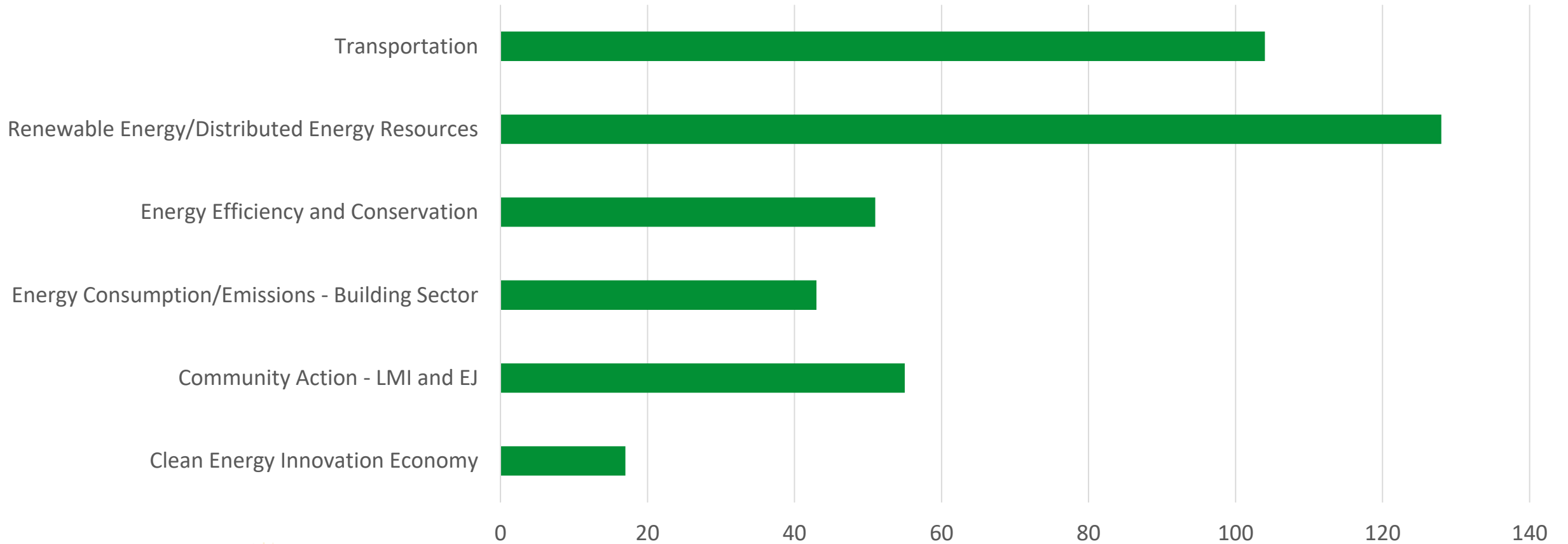
Hudson – 4
Hunterdon – 1
Mercer – 1
Middlesex – 3
Monmouth - 3
Morris - 2
Ocean - 1
Passaic - 2

Salem - 1
Somerset - 1
Union - 3
Warren - 1



EMP Strategy Areas

Occurrences in Community Energy Plans



Most Common Initiatives

Initiative	Occurrences
Install Public EV Charging Infrastructure	18
Upgrade Energy Efficiency for Municipal Facilities	18
Install On-Site Municipal Renewable Generation	17
Purchase Alternative Fuel Vehicles	16
Adopt Supportive Zoning and Regulations for EV Infrastructure	15

Overburdened Municipalities

In support of ensuring equitable access to clean energy benefits, the CEPG program criteria for Overburdened Municipalities (OBMs) has been expanded to assist more communities.

In addition, OBMs are eligible for:

- Larger grant awards of \$25,000 for community energy planning
- Enhanced technical assistance to develop funding applications and to develop energy plans upon award

Overburdened Municipalities Criteria

OBFMs are determined using the following criteria:

- 1) The **municipality has over 50% of its population living in an Overburdened Community (OBC)** Census Block as defined by the New Jersey Department of Environmental Protection pursuant to New Jersey’s Environmental Justice Law, N.J.S.A. 13:1D-157; and

- 2) The municipality meets **one** or **both** of the following criteria:
 - a) **Over 35% of its population is living under 200% of the poverty level** according to U.S. Census 2021 ACS data; or
 - b) **The municipality has a distress score of 40 or higher** according to the New Jersey Department of Community Affairs (“DCA”) Municipal Revitalization Index (MRI)

List of Overburdened Municipalities

Municipality	Municipality	Municipality	Municipality
Asbury Park City	Fairfield Twp	Maurice River Twp	Salem City
Atlantic City	Fairview Boro	Millville City	Seaside Heights Boro
Bayonne City	Flemington Boro	Mount Holly Twp	So. Toms River Boro
Beverly City	Freehold Boro	New Brunswick City	Sussex Boro
Bridgeton City	Garfield City	Newark City	Teterboro Boro
Brooklawn Boro	Glassboro Boro	North Bergen Twp	Trenton City
Burlington City	Gloucester City	Passaic City	Union City
Camden City	Guttenberg Town	Paterson City	Upper Deerfield Twp
Cape May City	Haledon Boro	Paulsboro Boro	Victory Gardens Boro
Chesilhurst Boro	Hamilton Twp	Pemberton Twp	Vineland City
City of Orange Twp	Hi-nella Boro	Penns Grove Boro	West New York Town
Clayton Boro	Irvington Twp	Pennsauken Twp	West Wildwood Boro
Clementon Boro	Jersey City	Perth Amboy City	Westville Boro
Commercial Twp	Keansburg Boro	Phillipsburg Town	Wildwood City
Deerfield Twp	Kearny Town	Pine Hill Boro	Woodbine Boro
Dover Town	Lakewood Twp	Plainfield City	Woodbury City
East Newark Boro	Lawnside Boro	Pleasantville City	Woodlynne Boro
East Orange City	Lindenwold Boro	Prospect Park Boro	Wrightstown Boro
Egg Harbor City	Lodi Boro	Riverside Twp	
Elizabeth City	Long Branch City	Roselle Boro	



Program Year 3 Timeline

MILESTONE	OBM	NON-OBM
Grant Agreement Sent to Awardees	Within 30 days of award announcement	Within 30 days of award announcement
Signed Grant Agreement Due	Within 30 days of receipt of grant agreement	Within 30 days of receipt of grant agreement
Establish Planning Team	Within 45 days of grant agreement submission	Within 45 days of grant agreement submission
Consult with Sustainable Jersey	Within 45 days of grant agreement submission	Within 90 days of grant agreement submission
Submit Proposed Budget	Within 105 days of award announcement	Within 150 days of award announcement
Complete Workplan Template	Within 6 months of grant agreement submission	Within 6 months of grant agreement submission
Community Engagement Session	Within 8 months of award announcement	Within 8 months of award announcement
Finalize and Submit Plan	Within 12 months of award announcement	Within 12 months of award announcement

Reporting Requirements

\$10,000 grant award

- One (1) expenditure report at the end of the twelve (12) month grant term

\$25,000 grant award (OBMs)

- Three (3) quarterly expenditure reports and one (1) final report on or before the end of the twelve (12) month grant term

Stakeholder Engagement

Participation in this grant program requires at least two stakeholder sessions:

- First session: Application phase
- Second session: Plan development phase

Requirement is just a minimum!

- Municipalities are encouraged to hold more stakeholder sessions to receive continued feedback from the community.

Application

Application can be found at:
www.njcleanenergy.com/cep

Application period closing date:
May 24, 2024



Community Energy Plans

What is a Community Energy Plan?

A Community Energy Plan helps a community work toward a better environment for all residents by using the state's Energy Master Plan (EMP) as a guide to align local efforts. The EMP identifies seven strategies for rapid reductions in greenhouse gas emissions by targeting efforts to reduce energy use, reduce emissions, increase renewable energy, and more.

Community Energy Planning is the process by which communities collaboratively select and strategically implement emissions-reducing initiatives that fulfill the EMP goals. This Process includes assembling a planning team of local municipal staff, elected officials, relevant municipal board and commission members, and community volunteers. This planning team assesses the municipality's needs and helps find the opportunities for energy resiliency, renewable energy, and energy efficiency.



Community Energy Plan Grant (CEPG) Program

In 2019, the Board established a Community Energy Plan Grant Program. While the EMP provides a framework for a statewide transition to 100% clean energy by 2050, the Community Energy Plan Grant Program provides support to municipalities to develop climate action plans at the local level based on their assessment of which EMP strategies are most applicable in their respective communities.

The Community Energy Plan Grant Program was redesigned for program year 2 by the Office of Clean Energy Equity to prioritize low- and moderate-income and overburdened communities by removing barriers to participation and providing more financial and technical support to those communities that are most in need of these grants.

Program year 3 was approved on November 17, 2023, with some changes made to the program. The changes include:

- Shorter grant timeline - now 12 months
- Expanded criteria to determine Overburdened Municipalities - MRI score now needs to be 40 or higher to qualify under this criteria
- Proposed budget now after technical assistance consultations with Sustainable Jersey

All municipalities are eligible to receive a \$10,000 grant. Municipalities identified as being Overburdened Municipalities (OBMs) are eligible to receive a \$25,000 grant. A chart containing OBMs for the current program year can be found below.

The application window for CEPG is now open. See link below:

- [Application Form](#)

Questions?

Contact us at:

community.energy@bpu.nj.gov



Thank You!



Township of Brick CEPG



Vin Palmieri
May 3rd, 2024



Community Profile & Needs

2020 Census Data

- **Total Population** -75,651(13th in NJ)
- **Population per square mile** – 2,877.2
- **Total Square Miles** – 26 square miles in land area
- **Mean Travel Time** – 30 mins

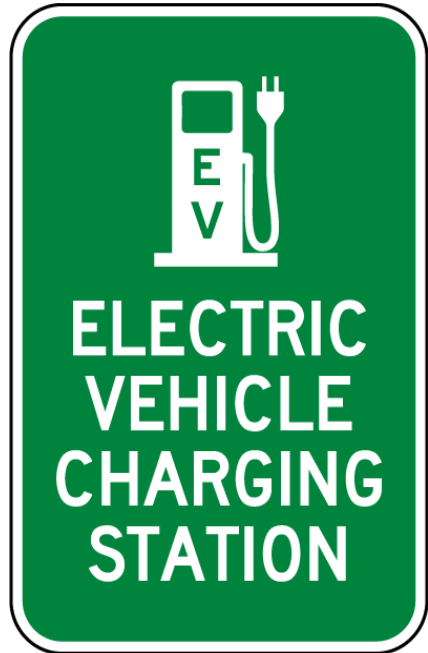
Transportation Info

- **HUD Urban Aid Community**
- **Shore Community Tourism**
- **1 Hour Travel Time to NYC**
- **1 Hour Travel Time to AC**
- **1 Hour Travel Time to PHI**



Brick Beach 3 - Township of Brick, Ocean County

Strategy 1: Reduce Energy Consumption and Emissions from the Transportation Sector



EV Committee Members



2021 -2024 Members

Chairperson - Brian Mirsky

Mayor - Lisa Crate

Council President- Heather deJong

Business Administrator - Joanne Bergin

Public Works Director - Steve Krakovsky

Administration - Keith Rella

Planning Analyst - Vin Palmieri

Township Resident - Bob Czekaj

Our First Steps

- Inception August 2021 by Mayor & Council
- Adoption of State Electric Vehicle Charging Station Ordinance (December 2022)
- NJBPU Electric Vehicle Tourism Charger Grant Awardee
- NJDEP It Pays to Plug In: NJ's Electric Vehicle Charging Grant Program Awardee

Key Contributing Groups

- Brick Green Team
- Brick Environmental Commission

Objectives, Initiatives & Overall Mission

- Install & Expand Public EV Charging Infrastructure
- Purchase Alternative Fuel Vehicles
- Prepare to Expand the Current EV Fleet
- Pursue Available Grants & Technical Assistance
- Encourage Workplace EV Charging Infrastructure
- Create Effective Public Outreach & Education

Potential EV Web Map



Additional Community Benefits of EVs

Why are EVs important to our community?

- Overall Healthier Community
- Mitigate Surface Level Air Pollution
- Increase connectivity between Metropolitan Regions

How will this impact our community in other ways?

- Economics Aspects
- Ways to Save Tax Dollars
- Increased Amount of Charging Station Locations
- *Availability, Proximity & Visibility*
- Work with office of OEM, PD & Fire Safety Officials

Community Energy Plan Grant

Future Steps for Brick

- Continue to work with Sustainable Jersey & BPU
- Include public participation
- Come up with ways of outreach
- Include input from related departments
- “Map out” what initiative is most achievable
- Manage your CEPG (small steps)
- Monitor new funding opportunities (President Biden’s Infrastructure Bill)
- Partner with other communities



Brick Solar Field - Sally Ike Rd., Township of Brick, Ocean County

Hoboken Community Energy Plan



Department of Climate Action and Innovation

The Department of Climate Action prepares Hoboken and its most vulnerable residents to adapt to the impacts of climate change and drives greenhouse gas emissions reductions through planning, policy, procedures, capital investment, and community education. The team collaborates across City departments and with other levels of government, non-profit, and private sector partners to deploy sustainable and innovative solutions that enhance the delivery of capital projects and City services.


Climate Focused

- Hoboken will be the most climate-ready community in New Jersey, and an international leader for cities of our size, prepared to:
 - Adapt to climate impacts for climate resilience
 - Mitigate local greenhouse gas emissions to achieve carbon neutrality
 - Ensure justice through proper representation, inclusion, and protection of rights for populations most vulnerable to the effects of climate change
- Hoboken Master Plan Green Building & Sustainability Element:
 - A sustainable and resilient Hoboken will be an environmentally, socially, and economically healthy and equitable community that allows future generations of residents to meet and exceed our quality of life

Climate Action Plan Goals




Reduce greenhouse gas emissions, primarily from energy, transportation, and waste




Mitigate flood risk from sea level rise and increasingly frequent and severe storm events




Upgrade aging infrastructure and implement innovative solutions to provide safe and reliable drinking water




Achieve net zero energy by purchasing or generating as much energy from renewable sources as consumed




Manage and implement a comprehensive capital program for City parks, infrastructure, and facilities




Use data, e-government, and IT to address constituent concerns, equitably deliver services, and improve efficiency of operations



Mitigate the urban heat island effect and sequester carbon by increasing tree canopy and open space



Achieve zero-waste by reducing waste and increasing reuse, repair, donation, recycling, and composting

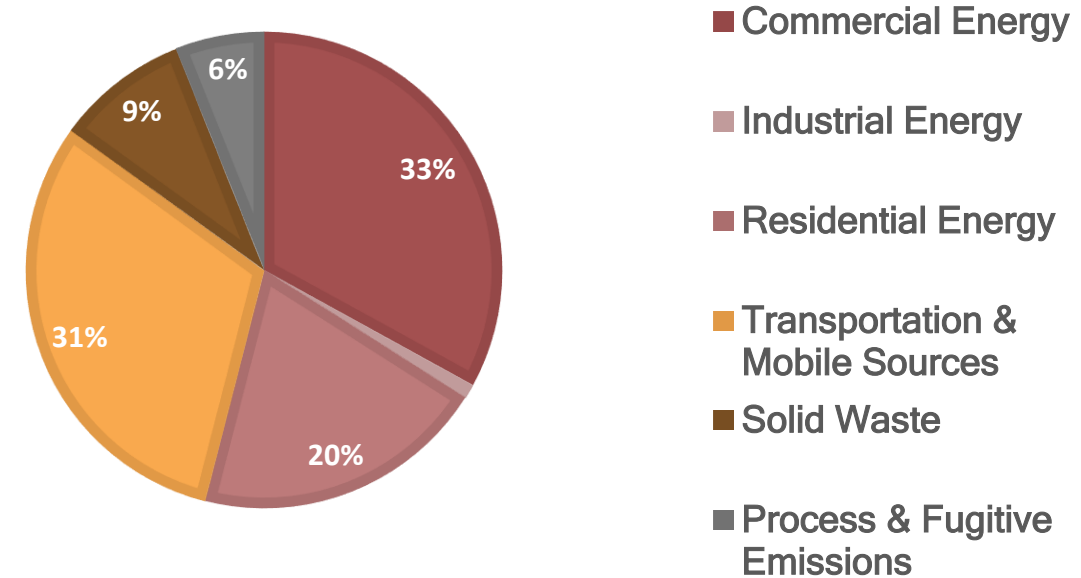


Ensure an equitable clean energy transition by prioritizing economic opportunities and investments for disadvantaged communities

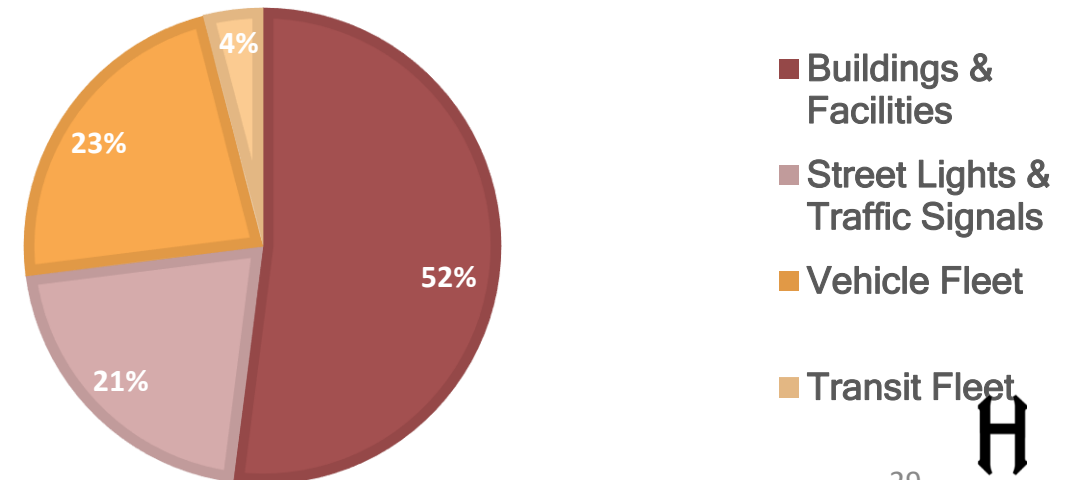
Climate Action Plan Targets

Target	Community	Municipal Operations
Exceed the Paris Agreement Achieve greater than 16% reduction from 2017 baseline	2027	2027
Net Zero Produce or purchase as much renewable electricity as consumed	2030	2025
Carbon Neutral Reduce or offset 100% of carbon footprint	2050	2035

COMMUNITY EMISSIONS



MUNICIPAL OPERATIONS EMISSIONS



2023 Accomplishments



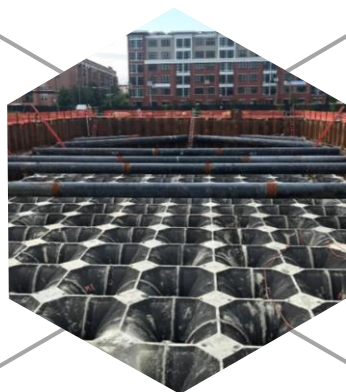
Energy

3.9 MW community solar facility provides 100% renewable electricity and savings fund for HHA
\$500,000+ renewable energy program savings



Waste

290,460 lbs food scraps diverted from landfills by composting
Zero Waste Plan



Flood Mitigation

88% reduction in flooding
3.5+ million gallons storm water will be managed by 5 resiliency parks
85% coastal flood events will be resisted by RBD



Parks

Stevens Park, Sinatra Park, Waterfront Walkway, Church Square Park, Multi-Service Center, Maritime Park, Mama Johnson Field



Facilities

Public Works, City Hall, Multi-Service Center

Community Energy Plan Goals



Reduce greenhouse gas emissions, primarily from energy, transportation, and waste



Achieve net zero energy by purchasing or generating as much energy from renewable sources as consumed



Ensure an equitable clean energy transition by prioritizing economic opportunities and investments for disadvantaged communities

Community Energy Plan (Cont.)



Reduce Energy Consumption and Emissions from the Building Sector



Maximize Energy Efficiency and Conservation and Reduce Peak Demand



Accelerate Deployment of Renewable Energy and Distributed Energy Resources



Reduce Energy Consumption and Emissions from the Transportation Sector

Thank you!



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Sustainable Jersey Resources for Effective Community Energy Planning

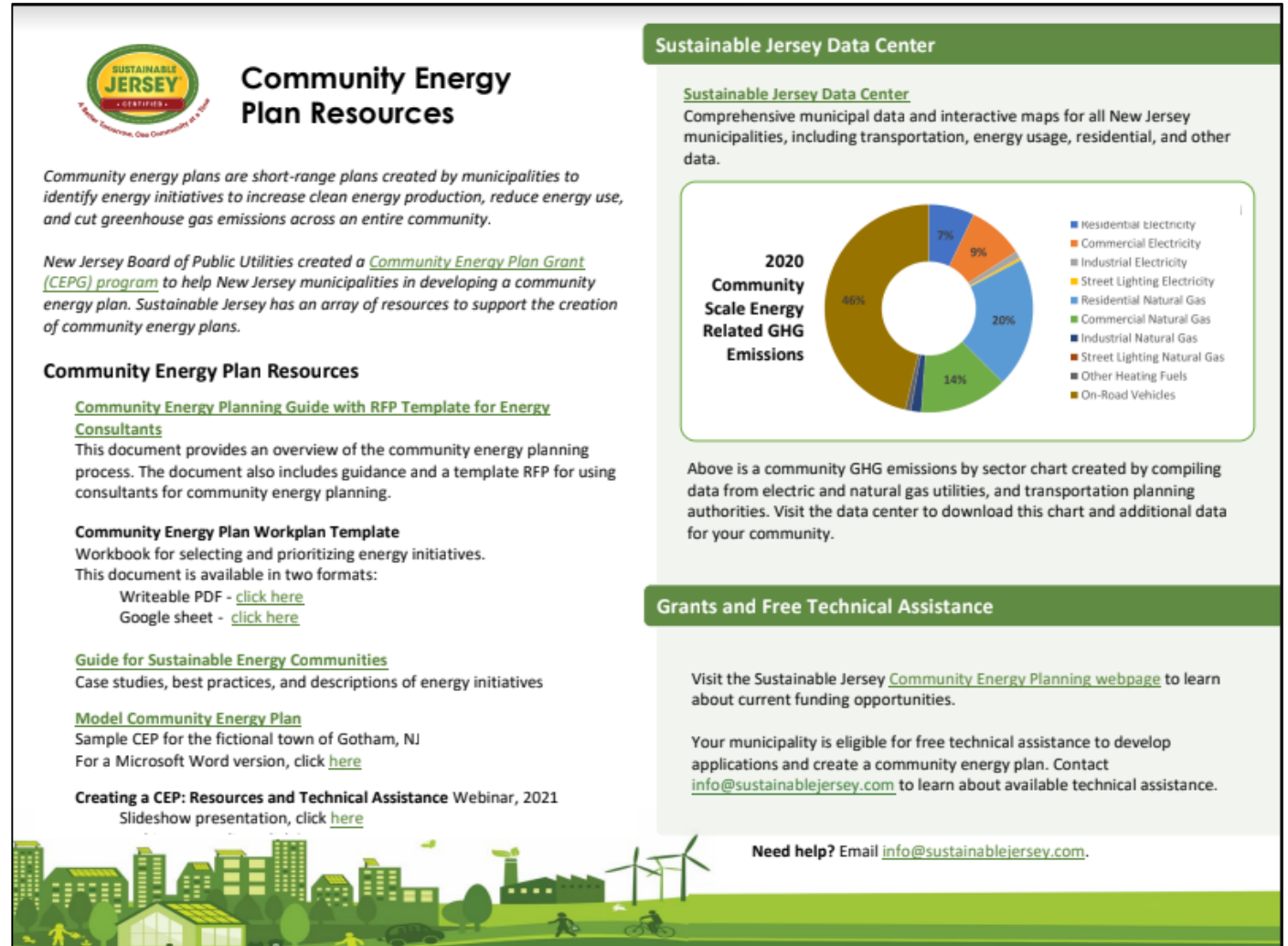
Tori Bearden | Project and Research Specialist

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Sustainable Jersey Resources Page

- Sustainable Jersey Data Center
- Guide for Sustainable Energy Communities
- Workplan Template
- Model Community Energy Plan
- Community Energy Planning Guide and RFP Template
- Technical Assistance



Community Energy Plan Resources

Community energy plans are short-range plans created by municipalities to identify energy initiatives to increase clean energy production, reduce energy use, and cut greenhouse gas emissions across an entire community.

New Jersey Board of Public Utilities created a [Community Energy Plan Grant \(CEPG\) program](#) to help New Jersey municipalities in developing a community energy plan. Sustainable Jersey has an array of resources to support the creation of community energy plans.

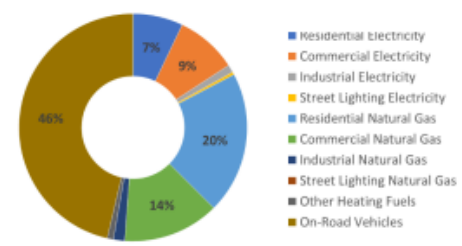
Community Energy Plan Resources

- [Community Energy Planning Guide with RFP Template for Energy Consultants](#)
This document provides an overview of the community energy planning process. The document also includes guidance and a template RFP for using consultants for community energy planning.
- Community Energy Plan Workplan Template**
Workbook for selecting and prioritizing energy initiatives. This document is available in two formats:
Writeable PDF - [click here](#)
Google sheet - [click here](#)
- [Guide for Sustainable Energy Communities](#)
Case studies, best practices, and descriptions of energy initiatives
- [Model Community Energy Plan](#)
Sample CEP for the fictional town of Gotham, NJ
For a Microsoft Word version, click [here](#)
- Creating a CEP: Resources and Technical Assistance Webinar, 2021**
Slideshow presentation, click [here](#)

Sustainable Jersey Data Center

[Sustainable Jersey Data Center](#)
Comprehensive municipal data and interactive maps for all New Jersey municipalities, including transportation, energy usage, residential, and other data.

2020 Community Scale Energy Related GHG Emissions



Sector	Percentage
Residential Electricity	7%
Commercial Electricity	9%
Industrial Electricity	20%
Street Lighting Electricity	14%
Residential Natural Gas	46%
Commercial Natural Gas	7%
Industrial Natural Gas	0%
Street Lighting Natural Gas	0%
Other Heating Fuels	0%
On-Road Vehicles	0%

Above is a community GHG emissions by sector chart created by compiling data from electric and natural gas utilities, and transportation planning authorities. Visit the data center to download this chart and additional data for your community.

Grants and Free Technical Assistance

Visit the Sustainable Jersey [Community Energy Planning webpage](#) to learn about current funding opportunities.

Your municipality is eligible for free technical assistance to develop applications and create a community energy plan. Contact info@sustainablejersey.com to learn about available technical assistance.

Need help? Email info@sustainablejersey.com.

Screenshot of Sustainable Jersey CEP Resource Sheet

www.sustainablejersey.com/fileadmin/media/Grants_and_Resources/Small_Grants/CEPG/CEPG_Resource_Page.pdf



Planning Process

Step 1: Team Building

Create working group of municipal representatives to lead CEP process (elected representatives, administration, facilities, green team)



Step 2: Community Profile and Energy Data

Compile community data to help municipality prioritize energy initiatives.



Step 3: Initiative Selection and Workplan Template

Create and prioritize a list of energy initiatives, identify planning details listed in workplan template document.



Step 4: Stakeholder Engagement

Plan stakeholder engagement process to collect community input on selection and prioritization of energy initiatives.



Step 5: Create Narrative Community Energy Plan

Use Community Energy Data and Workplan to create CEP.



Step 6: Community Energy Plan Adopted by Resolution

Present completed Community Energy Plan to municipal council and have plan passed by resolution.



Resources for Step 2

Step 1: Team Building

Step 2: Community Profile and Energy Data

Compile community data to help municipality prioritize energy initiatives.

Resource: Sustainable Jersey Data Center

Step 3: Initiative Selection and Workplan Template

Step 4: Stakeholder Engagement

Step 5: Create Narrative Community Energy Plan

Step 6: Community Energy Plan Adopted by Resolution



Sustainable Jersey Data Center

- Understand current energy landscape
- Key CEP datasets include...
 - Community Profile Data by Municipality
 - Electric and Gas Usage by Sector
 - Solar Installation Data
 - Energy Efficiency Program Participation
 - Community-Scale Greenhouse Gas (GHG) Emissions

Data Center

The Sustainable Jersey Data Center provides sustainability-related data and maps for Green Teams, municipal staff, and researchers. Select data is prepared by Sustainable Jersey, whereas others are links to external resources.

Sustainable Jersey Data Resources

View data files and interactive maps prepared by Sustainable Jersey.

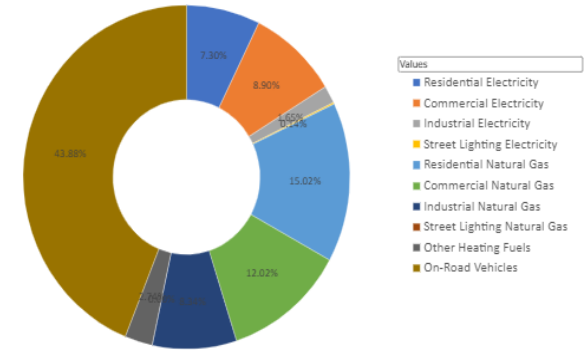
[View Resources](#)

New Jersey State Data Resources

View links to external state resources such as New Jersey's Clean Energy Program and the New Jersey Department of Environmental Protection.

[View Resources](#)

2020 Community-Scale Energy-Related GHG Emissions by Sector and Energy Type (MT CO2e)



Community Profile Data by Municipality				Population Characteristics										General Housing Characteristics									
Municipality	County	Muni and County	Year	Sqmi	Populad	% White	% Black	% Asian-Pacific Islander	% Other	% Hispanic or Latino Origin*	Household	Median Household Income	Percent of Population in Poverty	Low and Moderate Income*	NI DCA - MMR Score*	NI DCA - MMR Rank*	Commercial Properties (2018)	Total Housing Units*	% Occupied Housing Units	% Owner-occupied	% Renters-occupied		
4	Aberdeen township	Monmouth	Aberdeen township, Monmouth	2015	5.6	18,282	75%	12%	7%	7%	9%	6,808	\$84,220	6.7%	22	326	187	7,181	6,808	95%	76%	24%	
5	Aberdeen township	Monmouth	Aberdeen township, Monmouth	2020	5.6	18,729	77%	9%	7%	7%	13%	7,822	\$108,112	2.9%	20	389	187	8,072	7,822	97%	76%	25%	
6	Absecon city	Atlantic	Absecon city, Atlantic	2015	7.2	8,994	81%	5%	6%	8%	11%	3,259	\$63,656	4.9%	38	108	185	3,514	3,259	93%	64%	16%	
7	Absecon city	Atlantic	Absecon city, Atlantic	2020	7.2	8,471	88%	10%	6%	14%	17%	3,109	\$69,293	9.2%	38	118	185	3,542	3,109	88%	79%	21%	
8	Alexandria township	Hunterdon	Alexandria township, Hunterdon	2015	27.7	4,882	97%	0%	2%	0%	0%	1,641	\$130,262	1.6%	12	316	26	1,867	1,641	88%	89%	1%	
9	Alexandria township	Hunterdon	Alexandria township, Hunterdon	2020	27.7	4,768	98%	0%	2%	0%	1%	1,766	\$137,224	4.4%	17	459	38	1,868	1,768	94%	88%	12%	
10	Allamuchy township	Warren	Allamuchy township, Warren	2015	20.3	4,499	93%	1%	4%	3%	5%	2,049	\$88,802	4.0%	16	456	19	2,169	2,049	95%	89%	11%	
11	Allamuchy township	Warren	Allamuchy township, Warren	2020	20.3	4,640	89%	7%	3%	1%	6%	2,195	\$109,212	1.9%	18	415	19	2,247	2,195	98%	87%	13%	
12	Allendale borough	Bergen	Allendale borough, Bergen	2015	3.1	6,717	64%	1%	22%	2%	5%	2,211	\$140,351	4.0%	12	515	65	2,426	2,211	91%	80%	12%	
13	Allendale borough	Bergen	Allendale borough, Bergen	2020	3.1	6,797	80%	1%	15%	4%	2%	2,235	\$157,958	2.5%	10	544	65	2,444	2,235	91%	77%	23%	
14	Allenhurst borough	Monmouth	Allenhurst borough, Monmouth	2015	0.3	486	92%	0%	2%	6%	5%	207	\$83,153	3.5%	17	442	27	344	207	60%	60%	40%	
15	Allenhurst borough	Monmouth	Allenhurst borough, Monmouth	2020	0.3	492	87%	1%	2%	10%	5%	191	\$100,625	2.8%	13	510	27	329	191	58%	65%	35%	
16	Allentown borough	Monmouth	Allentown borough, Monmouth	2015	0.6	1,068	92%	3%	1%	4%	3%	691	\$97,434	2.6%	19	407	39	735	691	94%	77%	23%	
17	Allentown borough	Monmouth	Allentown borough, Monmouth	2020	0.6	1,740	89%	7%	0%	4%	4%	676	\$100,769	2.8%	17	440	39	697	676	97%	77%	23%	
18	Alloway township	Salem	Alloway township, Salem	2015	33.9	3,417	94%	3%	0%	3%	2%	1,213	\$73,586	5.4%	25	260	34	1,347	1,213	90%	87%	13%	
19	Alloway township	Salem	Alloway township, Salem	2020	33.9	3,359	90%	5%	1%	4%	3%	1,203	\$86,583	3.1%	28	249	34	1,296	1,203	93%	89%	11%	
20	Alpha borough	Warren	Alpha borough, Warren	2015	1.7	2,272	94%	4%	0%	4%	5%	850	\$58,804	9.6%	33	158	70	1,035	850	83%	70%	30%	
21	Alpha borough	Warren	Alpha borough, Warren	2020	1.7	2,141	91%	0%	1%	7%	8%	948	\$75,612	4.8%	33	173	70	1,073	948	90%	66%	34%	
22	Alpine borough	Bergen	Alpine borough, Bergen	2015	6.4	1,539	62%	7%	28%	2%	6%	575	\$111,148	10.8%	17	425	18	572	575	86%	87%	13%	
23	Alpine borough	Bergen	Alpine borough, Bergen	2020	6.4	1,459	61%	3%	12%	3%	7%	518	\$161,246	6.2%	15	466	18	572	518	91%	80%	12%	
24	Andover borough	Sussex	Andover borough, Sussex	2015	1.4	662	94%	2%	0%	4%	10%	273	\$76,875	4.4%	25	268	53	301	273	91%	77%	23%	
25	Andover borough	Sussex	Andover borough, Sussex	2020	1.4	675	90%	2%	2%	6%	1%	261	\$64,844	3.6%	Yes	27	253	53	287	261	91%	59%	41%
26	Andover township	Sussex	Andover township, Sussex	2015	20.8	6,127	92%	4%	2%	2%	6%	1,971	\$103,398	3.9%	20	375	44	1,158	1,971	91%	84%	16%	
27	Andover township	Sussex	Andover township, Sussex	2020	20.8	5,244	91%	2%	5%	2%	5%	1,076	\$113,847	4.9%	Yes	28	284	148	1,185	1,076	91%	91%	9%
28	Asbury Park city	Monmouth	Asbury Park city, Monmouth	2015	1.5	15,845	39%	47%	0%	14%	32%	6,793	\$32,755	31.9%	Yes	61	20	378	6,388	6,793	82%	20%	80%
29	Asbury Park city	Monmouth	Asbury Park city, Monmouth	2020	1.5	15,836	42%	42%	2%	13%	17%	7,185	\$53,655	22.9%	Yes	59	23	375	6,463	7,185	85%	27%	73%
30	Atlantic City city	Atlantic	Atlantic City city, Atlantic	2015	15.9	39,547	36%	39%	17%	8%	26%	15,633	\$15,237	36.9%	Yes	92	2	4,483	19,944	15,633	78%	27%	73%
31	Atlantic City city	Atlantic	Atlantic City city, Atlantic	2020	15.9	37,793	26%	32%	16%	26%	33%	15,775	\$19,526	35.2%	Yes	80	3	4,818	20,664	15,775	76%	28%	72%
32	Atlantic Highlands borough	Monmouth	Atlantic Highlands borough, Monmouth	2015	1.2	4,346	91%	3%	2%	3%	4%	1,859	\$88,024	6.4%	21	356	94	1,999	1,853	93%	79%	21%	
33	Atlantic Highlands borough	Monmouth	Atlantic Highlands borough, Monmouth	2020	1.2	4,312	86%	0%	1%	3%	7%	1,829	\$103,712	3.6%	20	386	94	1,940	1,829	94%	74%	26%	
34	Audubon borough	Camden	Audubon borough, Camden	2015	1.1	8,721	98%	1%	0%	1%	2%	3,301	\$79,000	1.6%	26	255	10	3,320	3,301	99%	75%	25%	
35	Audubon borough	Camden	Audubon borough, Camden	2020	1.1	8,656	92%	5%	0%	2%	3%	3,304	\$90,315	2.3%	23	320	157	3,474	3,304	95%	70%	30%	



Resources for Step 3

Step 1: Team Building

Step 2: Community Profile and Energy Data

Step 3: Initiative Selection and Workplan Template

Create and prioritize a list of energy initiatives, identify planning details listed in workplan template document.

**Resources: Sustainable Jersey Guide to Sustainable Communities,
Sustainable Jersey CEP Workplan Template**

Step 4: Stakeholder Engagement

Step 5: Create Narrative Community Energy Plan

Step 6: Community Energy Plan Adopted by Resolution

CEP Potential Initiatives

Strategy 1: Reduce Energy Consumption and Emissions from the Transportation Sector

- 1.1 Adopt Supportive Zoning and Regulations for EV Infrastructure
- 1.2 Train First Responders on EVs and EVSE
- 1.3 Train Non-Emergency Staff on EVs and EVSE
- 1.4 Purchase Alternative Fuel Vehicles
- 1.5 Improve Municipal Fleet Efficiency
- 1.6 Install Public EV Charging Infrastructure
- 1.7 Encourage Non-Municipal Fleets to Improve Efficiency
- 1.8 Encourage Workplace EV Charging Infrastructure
- 1.9 Community EV Outreach

Strategy 2: Accelerate Deployment of Renewable Energy and Distributed Energy Resources

- 2.1 Adopt Supportive Zoning and Permitting for Private Solar
- 2.2 Post Solar Permitting Checklist
- 2.3 Adopt Zoning and Permitting for Community Solar
- 2.4 Train First Responders on Solar
- 2.5 Train Non-Emergency Staff on Solar
- 2.6 Install On-Site Municipal Renewable Generation
- 2.7 Buy Renewable Energy for Municipal Facilities
- 2.8 Offer a Solar Employee Benefit Program
- 2.9 Institute a Community-wide Solar Purchasing Program
- 2.10 Implement Renewable Government Energy Aggregation (R-GEA)
- 2.11 Support Community Solar as Project Ambassador
- 2.12 Support Community Solar as Outreach Coordinator
- 2.13 Host a Community Solar Project on Municipal Property

Strategy 3: Maximize Energy Efficiency and Conservation and Reduce Peak Demand

- 3.1 Upgrade Energy Efficiency in Municipal Facilities
- 3.2 Residential Energy Efficiency Outreach Campaign
- 3.3 Commercial Energy Efficiency Outreach Campaign
- 3.4 Conduct Energy Efficiency Outreach to Large Energy Users

Strategy 4: Reduce Energy Consumption and Emissions from the Building Sector

- 4.1 Construct New Municipal Buildings as Model Green Buildings
- 4.2 Encourage Benchmarking and Commissioning for Existing Buildings
- 4.3 Require Developers to Complete Green Development Checklist
- 4.4 Conduct Outreach Targeting New Construction in the Community

Strategy 6: Support Community Energy Planning and Action with an Emphasis on Encouraging and Supporting Participation by Low- and Moderate-Income and Environmental Justice Communities

- 6.1 Make Community Energy Planning Inclusive
- 6.2 Conduct Energy Efficiency Outreach to Low- and Moderate-Income Residents
- 6.3 Support Shared Mobility Programs
- 6.4 Support Low- and Moderate-Income Community Solar Subscriptions
- 6.5 Conduct Energy Efficiency Outreach to Community-Serving Institutions

Strategy 7: Expand the Clean Energy Innovation Economy

- 7.1 Adopt Energy Storage Policies
- 7.2 Install an Energy Storage System
- 7.3 Develop Local Microgrid
- 7.4 Develop/Participate in a District Energy System



Sustainable Jersey Guide for **Sustainable Energy Communities**



How municipalities can help

1.1. Supportive Zoning for EV Infrastructure

Municipalities can facilitate adoption of electric vehicles (EVs) by reducing barriers to charging infrastructure installation. Municipalities should adopt the [Model Statewide Municipal Electric Vehicle Ordinance](#), which became effective in all municipalities in September 2021. The Model Statewide Ordinance established electric vehicle charging stations (EVSE) as a permitted accessory use and set requirements for Make-Ready and EVSE parking in new multifamily and mixed-use developments and parking lots. While those aspects of the Ordinance cannot be modified, the “Reasonable Standards” section of the Model Ordinance (which covers standards for accessibility, safety, signage, usage fees, and parking enforcement) is intended to be modified through the normal ordinance amendment process. Municipal boards should set these standards to ensure beneficial installation and use of EV charging infrastructure in the community.

Inspectors and zoning-related staff can be trained on EV infrastructure to help them enforce regulations and promote electric vehicles in their work. Popular training sources include the [Electric Vehicle Infrastructure Training Program](#) and [Department of Energy Clean Cities program](#).

1.2. Public EV Charging Infrastructure

Public electric vehicle charging infrastructure is critical to encouraging widespread adoption of electric vehicles (EVs). Research has shown that charging availability is directly correlated with electric vehicle deployment (Howard et al.). EV chargers reduce “range anxiety,” a concern of EV

users that they will become stranded because of an empty battery. Public chargers can instill confidence in local residents and commuters about traveling locally in EVs, and even attract visitors or new residents who drive EVs.

Funding for electric vehicle charging infrastructure may be offered by state and federal programs. Currently, the New Jersey Department of Environmental Protection (NJDEP) offers grants for EV chargers through the [It Pay\\$ to Plug In](#) program. Electric utility companies also provide incentives for charging station installation, including upgrades to the infrastructure that connects charging stations to the grid (see [Section 1.2.2](#)).

Typically, municipalities promote the installation of public charging stations in one of three ways:

1. Municipality owns and operates the EV infrastructure and deploys it on municipal property, typically a public parking lot or municipal street-side parking. The municipality may fund the project through its capital budget and recover costs by charging a fee for parking or providing other services (such as advertising). Fees for electric vehicle charging stations are generally recommended, even if utilization rates are low, as use (and corresponding electricity costs) of the charging stations will likely rise over time.
2. Municipality works with a “sponsoring partner,” which funds the purchase and installation of a charger on municipal property. The sponsoring partner may justify the costs as part of a public relations strategy, a customer acquisition/retention

A SUSTAINABLE JERSEY GUIDE

Community Energy Plan Workplan Template



CEPG Workplan Template

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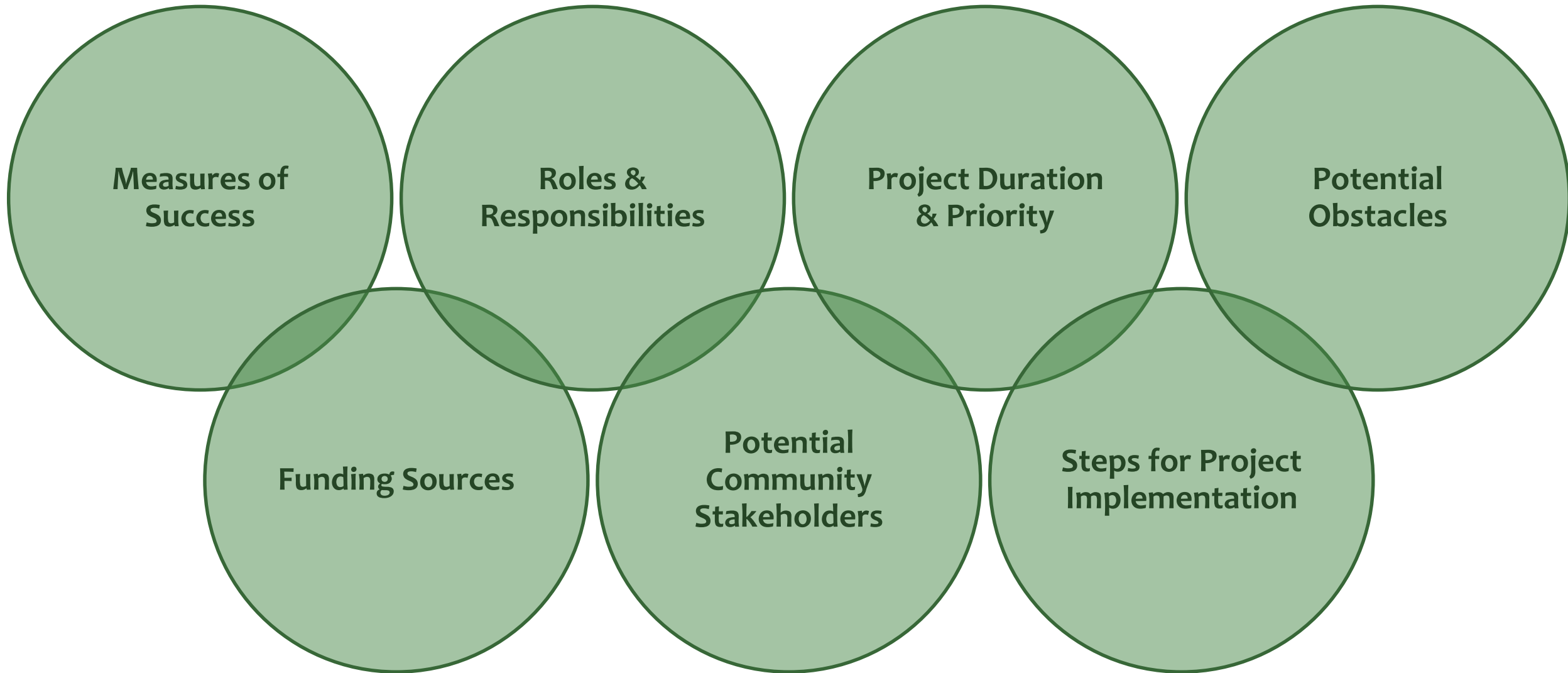
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GOOGLE SHEET WORKPLAN TEMPLATE FOR COMMUNITY ENERGY PLANNING									
1.1 Adopt Supportive Zoning and Regulations for EV Infrastructure									
4 Status in CEP:		Initiative Summary: Pass NJDCA's Model Statewide Municipal EV Ordinance specifying electric vehicle charging stations (EVSE) as a permitted accessory use, establishing the permitting process for charging stations, and requiring Make-Ready and EVSE parking in new multifamily developments and parking lots.							
5 Initiative included in plan		Modify the model ordinance standards for safety, signage, etc. as needed.							
6 Current Status:			Measures of Success:				Resources:		
7			<i>(modify to suit your community)</i> <ul style="list-style-type: none"> • "Reasonable Standards" language modified and finalized • Ordinance passed • Make-Ready and EV charging parking minimums posted on the municipal website 				<ul style="list-style-type: none"> • NJDCA's Model Statewide Ordinance • US DOE's Blueprint 4B: EV Charging Infrastructure for the Community • Sustainable Jersey's Make Your Town Electric Vehicle Friendly action 		
8 Potential Stakeholders:		Initiative lead:	Planned initiative start date:	Anticipated initiative length:	Priority:	Departments Involved:	Anticipated funding sources:	Obstacles/Barriers:	Next steps: (specific and tangible):
9 <i>(modify to suit your community)</i> <ul style="list-style-type: none"> • Downtown businesses/business association • Real estate developers 		Enter name of point person				Enter text	Enter text	Enter text	Enter text



Workplan Template Identifies...





Resources for Step 5

Step 1: Team Building

Step 2: Community Profile and Energy Data

Step 3: Initiative Selection and Workplan Template

Step 4: Stakeholder Engagement

Step 5: Create Narrative Community Energy Plan

Use Community Energy Data and Workplan to create CEP.

Resource: Sustainable Jersey Model Community Energy Plan

Step 6: Community Energy Plan Adopted by Resolution



The Township of Gotham's Community Energy Plan



OCTOBER 2023

I. Introduction

Gotham Township is committed to addressing climate change and reducing greenhouse gas emissions. This Community Energy Plan details the specific greenhouse gas emissions from the local energy utility, the municipal vehicle fleet and buildings, and the community in reducing emissions.

Gotham Township ratified this Community Energy Plan. The township provided several opportunities for residents to participate. In-person meetings were held throughout the township to accommodate different work schedules.

Co-benefits of Sustainable Energy

The sustainable energy transition offers an opportunity to realize various co-benefits for the community and beyond. Besides reducing greenhouse gas emissions, implementing this plan will:

- > Public health
 - > Lower concentrations of ground-level outdoor air pollutants
 - > Removal of indoor air pollutants
- > Social equity
 - > Better, affordable transportation
 - > More affordable renewable energy
- > Resiliency
 - > More dependable electricity
 - > Decreased reliance on imported fossil fuels

Climate change is one of the greatest threats to our community. A significant source of greenhouse gas emissions is energy use. Increasing heat island effects will further alter our coastal streets.

Electricity and Natural Gas Usage

Most electricity and natural gas use is currently associated with buildings. Utility companies generally organize electricity and natural gas use into four sectors – residential, commercial, industrial, and municipal buildings. The commercial sector includes nonprofits and government entities such as schools and municipal buildings, as well as businesses.

As illustrated in the charts below, the residential sector accounts for the majority of electricity and natural gas use in Gotham. In other words, residential buildings present the greatest opportunity for energy use reductions.

1. AMOUNT OF ELECTRICITY PURCHASED BY SECTOR (kWh)



Chart 1. Amount of Electricity Purchased by Sector (kWh)
Source: Sustainable Jersey. Aggregated Community-Scale Utility Energy Data

2. AMOUNT OF NATURAL GAS PURCHASED BY SECTOR (THERMS)



Chart 2. Amount of Natural Gas Purchased by Sector (Therms)
Source: Sustainable Jersey. Aggregated Community-Scale Utility Energy Data

Stylized PDF Version

Word Document Version

1.1 Initiative 1.1: Adopt Supportive Zoning and Regulations for EV Infrastructure

DESCRIPTION:

Pass NJDCA's Model Statewide Municipal EV Ordinance specifying electric vehicle charging stations as a permitted accessory use, establishing the permitting process for charging stations, and requiring Make-Ready and EVSE (Electric Vehicle Supply Equipment) parking in new multifamily developments and parking lots. Modify the model ordinance standards for safety, signage, etc. as needed.

LEAD:	Environmental Commission
START DATE:	December 2023
PRIORITY:	Medium
ANTICIPATED LENGTH:	6 months
FUNDING SOURCES:	N/A

DEPARTMENTS INVOLVED:

- Code Enforcement
- Municipal Attorney

OBSTACLES/BARRIERS:

- No significant barriers were identified

COMMUNITY NOTES:

The Model Statewide Municipal EV Ordinance went into effect in September 2021 as specified by state law, but the policies in the ordinance are not integrated into Gotham's municipal code. Code Enforcement currently requires applications for new developments to comply with the Model Ordinance.

As of 2019, 1% of passenger vehicles in Gotham were electric. As EV adoption accelerates, demand for charging infrastructure will also accelerate.

Vehicles and Electric Vehicles in Gotham			
Year Updated	Estimated Total Passenger Vehicles	# of EVs	% Electric
2015	3,394	17	.5%
2019	3,519	35	1%

Table 2. Vehicles and Electric Vehicles in Gotham
Source: Sustainable Jersey. Community Profile Data by Municipality

MEASURES OF SUCCESS:

The goals for this initiative are new regulations regarding EVSE site design, such as accessibility and signage, and integration of the Model Statewide Municipal EV Ordinance into Gotham's land-use code and permitting documents.

NEXT STEPS:

- Elected representative directs municipal attorney to add Gotham-specific information to Model Statewide Municipal EV Ordinance and edit the "Reasonable Standards" section to fit municipal needs.
- Elected representative introduces ordinance to elected body for review and approval.
- Township Administrator works with code official to post permitting application and inspection processes on the municipal website.

Initiative 1.1: Adopt Supportive Zoning and Regulations for EV Infrastructure

Description: Pass NJDCA's Model Statewide Municipal EV Ordinance specifying electric vehicle charging stations as a permitted accessory use, establishing the permitting process for charging stations, and requiring Make-Ready and EVSE (Electric Vehicle Supply Equipment) parking in new multifamily developments and parking lots. Modify the model ordinance standards for safety, signage, etc. as needed.

Lead	Start Date	Priority	Anticipated Length	Funding Sources
Elected Representative liaison to Environmental Commission	Dec 2023	Medium	6 Months	N/A

Departments involved:

- Code Enforcement
- Municipal attorney

Obstacles/Barriers:

- No significant barriers were identified

Community notes:

The Model Statewide Municipal EV Ordinance went into effect in September 2021 as specified by state law, but the policies in the ordinance are not integrated into Gotham's municipal code. Code Enforcement currently requires applications for new developments to comply with the Model Ordinance.

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Workplan Template → Model Plan

CEPG Workplan Template

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GOOGLE SHEET WORKPLAN TEMPLATE FOR COMMUNITY ENERGY PLANNING

1.1 Adopt Supportive Zoning and Regulations for EV Infrastructure

Status in CEP: Initiative Summary: Pass NJDCA's [Model Statewide Municipal EV Ordinance](#) specifying electric vehicle charging stations (EVSE) as a permitted accessory use, establishing the permitting process for charging stations, and requiring Make-Ready and EVSE parking in new multifamily developments and parking lots. Modify the model ordinance standards for safety, signage, etc. as needed.

Current Status:

Measures of Success:
(modify to suit your community)

- "Reasonable Standards" language modified and finalized
- Ordinance passed
- Make-Ready and EV charging parking minimums posted on the municipal website

Resources:

- NJDCA's [Model Statewide Ordinance](#)
- US DOE's [Blueprint 48: EV Charging Infrastructure for the Community](#)
- Sustainable Jersey's [Make Your Town Electric Vehicle Friendly action](#)

Potential Stakeholders :	Initiative lead:	Planned initiative start date:	Anticipated initiative length:	Priority:	Departments Involved:	Anticipated funding sources:	Obstacles/Barriers:	Next steps: (specific and tangible):
<i>(modify to suit your community)</i> • Downtown businesses/business	Enter name of point person				Enter text	Enter text	Enter text	Enter text

1.1 Initiative 1.1: Adopt Supportive Zoning and Regulations for EV Infrastructure

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LEAD: Environmental Commission

START DATE: December 2023

PRIORITY: Medium

ANTICIPATED LENGTH: 6 months

FUNDING SOURCES: N/A

DEPARTMENTS INVOLVED:

- Code Enforcement
- Municipal Attorney

OBSTACLES/BARRIERS:

- No significant barriers were identified

COMMUNITY NOTES:

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3. Township Administrator works with code official to post permitting application and inspection processes on the municipal website.



Planning Process with SJ Resources

Step 1: Team Building

Create working group of municipal representatives to lead CEP process (elected representatives, administration, facilities, green team)



Step 2: Community Profile and Energy Data

Compile community data to help municipality prioritize energy initiatives.

Resource: Sustainable Jersey Data Center



Step 3: Initiative Selection and Workplan Template

Create and prioritize a list of energy initiatives, identify planning details listed in workplan template document.

Resource: Sustainable Jersey CEP Workplan Template, Sustainable Jersey Guide to Sustainable Communities



Step 4: Stakeholder Engagement

Plan stakeholder engagement process to collect community input on selection and prioritization of energy initiatives.



Step 5: Create Narrative Community Energy Plan

Use Community Energy Data and Workplan to create CEP.

Resource: Model Community Energy Plan for Gotham Township



Step 6: Community Energy Plan Adopted by Resolution

Present completed Community Energy Plan to municipal council and have plan passed by resolution.



Community Energy Planning Guide
with
Model RFP Template for Consultant Services*

July 2022

Model RFP Template

NOTE: Sections in *green italics* are suggested text and should be deleted before the RFP is issued. Download a fillable version of the Model RFP Template [here](#).

REQUEST FOR PROPOSALS

FOR

<MUNICIPALITY NAME>

ENERGY-RELATED CONSULTANT SERVICES FOR

<MUNICIPALITY>'S COMMUNITY ENERGY PLAN

1 GENERAL INFORMATION AND SUBMISSION REQUIREMENTS

1.1 <Municipality>, <County>, NJ is requesting proposals from consultants to provide support for the creation of <Municipality>'s Community Energy Plan. As a recipient of a Community Energy Plan Grant, the municipality is soliciting for *<state in plain language the municipality's needs, e.g., "project management for creation of the municipal Community Energy Plan" or "electric vehicle charging station infrastructure plan for Town Hall">*.

All submitted proposals for planning services shall be in accordance with the attached requirements.

1.2 The RFP package is available at <Location/URL> as of <date>.

Please submit proposals no later than <time and date> to the following address:

Name:

Name of Municipality:

Address of Municipality:

In addition to submitting a hard copy please submit an electronic copy of the full proposal to:

<Instructions for electronic submittal>

All inquiries should be directed to:

Name:

Title:

Address:

Telephone number:

Email:

1.3 All proposal prices submitted in response to this RFP must remain firm for sixty (60) days following the proposal due date.

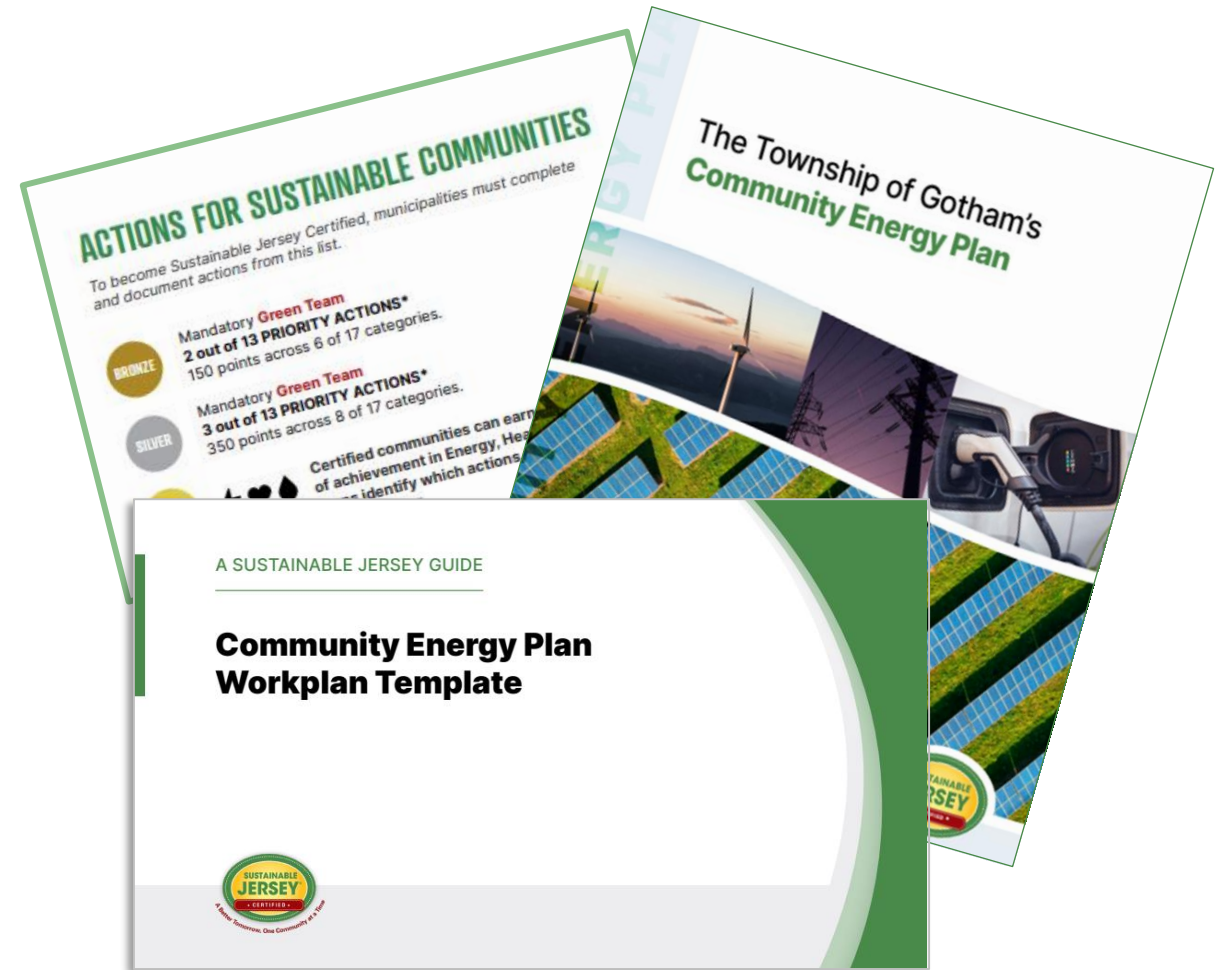
1.4 The municipality reserves the right to cancel this RFP, or reject in whole or in part any and all proposals, if the Municipality determines that cancellation or rejection serves the best interests of the Municipality.



Community Energy Planning Action

- 10 points: Community Energy Plan (CEP)
- OR
- 15 points: Climate Action Plan (CAP)

-
- Both plans encourage:
 - Energy-focused
 - Focused on high-impact initiatives
 - Strategic about community engagement
 - Must use Workplan Template
 - CAP requires additional elements





Sustainable Jersey has provided technical assistance to over 100 municipalities and school districts

Sustainable Jersey Energy Technical Assistance

- Assistance applying for State and utility energy efficiency incentives
- Energy tracking and management
- Completing energy actions for Sustainable Jersey certification

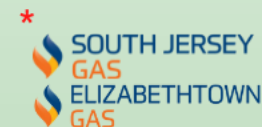
Get free energy technical assistance for your school district or municipality!

info@sustainablejersey.com

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Thank You!

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SUSTAINABILITY SUMMIT

