



# Funding for Transitioning Fleets to EVs

January 26, 2022





# Presenters (in speaking order)

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## **Carolina Ramos**

Sustainability Coordinator, City of Jersey City

*Jersey City Fleet Electrification*

## **Victor De Luca**

Councilperson, Township of Maplewood

*Electric Vehicle Planning in Maplewood*

## **Cathleen Lewis**

EMobility Programs Manager, New Jersey Board of Public Utilities

*NJBPU: Driving EV Adoption*



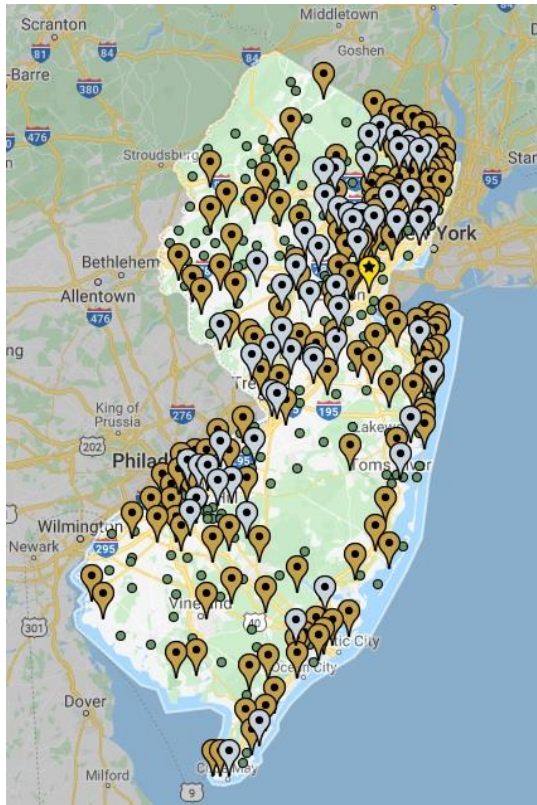
# What is Sustainable Jersey?



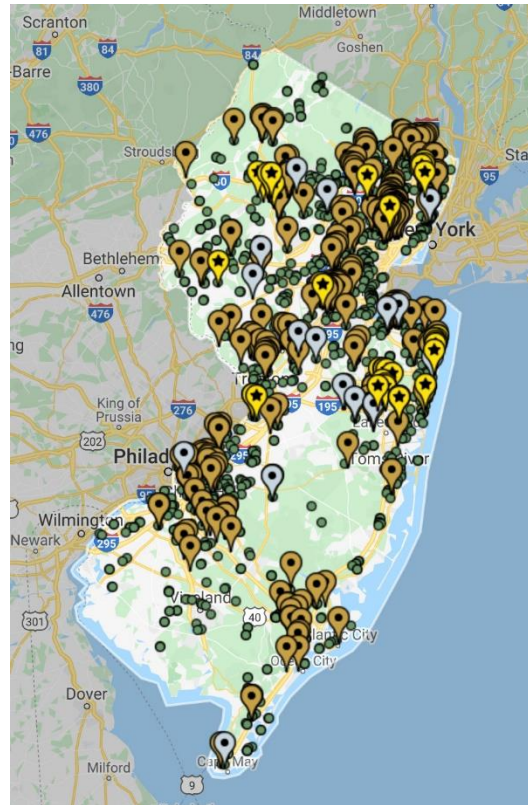
- **Certification program** for municipalities and schools
- **Tools, resources, and guidance** to help municipalities and schools become more sustainable
- **Grants and funding** for municipalities and schools
- **Regional Hubs**



# Program Participants



Municipal Program



Schools Program

## Municipal Program

- 460 (81%) participating
- 219 Certified
  - 155 Bronze
  - 64 Silver

## Schools Program

- 374 (54%) of school districts
- 1025 schools participating
- 335 schools certified
  - 292 Bronze
  - 43 Silver



# Municipal Energy Actions



	Energy Efficiency	Renewable Energy	Alternative Fuel Vehicles
Municipal Operations	<ul style="list-style-type: none"><li>• Energy Efficiency for Municipal Facilities</li><li>• Energy Tracking and Management</li></ul>	<ul style="list-style-type: none"><li>• On-Site Geothermal System</li><li>• On-Site Solar System +10 pt storage/resilience + 5 pt solar thermal</li><li>• On-Site Wind System</li><li>• Buy Renewable Energy</li></ul>	<ul style="list-style-type: none"><li>• Fleet Inventory</li><li>• Purchase Alternative Fuel Vehicles</li><li>• Meet Green Fleet Targets</li></ul>
Community Energy Use	<ul style="list-style-type: none"><li>• Energy Assistance Outreach</li><li>• Commercial Energy Efficiency Outreach</li><li>• Residential Energy Efficiency Outreach</li></ul>	<ul style="list-style-type: none"><li>• Make Your Town Solar Friendly</li><li>• Municipally Supported Community Solar</li><li>• Solar Outreach</li><li>• Renewable Government Energy Aggregation (R-GEA)</li></ul>	<ul style="list-style-type: none"><li>• Make Your Town Electric Vehicle (EV) Friendly</li><li>• Public EV Chargers</li><li>• Electric Vehicle Outreach</li></ul>



# Sustainable Jersey EV Actions



## Fleet Inventory

- Assists municipalities in completing municipal fleet inventory
- Includes spreadsheet that automatically calculates carbon emissions of municipal fleet

## Public EV Charging Infrastructure

- Awards points for installation of municipally-supported public EV charging stations

## Purchase Alternative Fuel Vehicles

- Awards points for purchase of electric and other alternative fuel fleet vehicles



The Borough of Runnemede added a Chevy Bolt to its fleet.



# Procurement Guidance



## Sustainable Jersey Alternative Fuel Vehicle Procurement Guide

Includes guidance for capturing tax credits and procurement options

- Fleet Leasing
- Purchasing Cooperatives/Government Contracts
- Direct Purchase Options
- Service Contracts/Shared Service

<https://www.sustainablejersey.com/fileadmin/media/Actions and Certification/Actions/Energy/Sustainable Jersey Alternative Fuel Vehicle Procurement Guide.pdf>





# Electric Vehicle Outreach Action



- **Select two audience types to target**

- Residential
- Commercial
- Multifamily
- Commercial fleets
- Workplaces
- Auto dealerships



- **For each selected audience, complete 2 outreach activities such as**

- Webpage on green team or municipal website
- Create & distribute a brochure, flyer, and/or newsletter
- Table and/or present at local events
- Social media and/or email campaign
- Award recognizing individuals/businesses for EV/EVSE accomplishments
- “Ride and drive” or other EV-centric event





# Make Your Town EV Friendly



- Adopt Model Statewide EVSE Ordinance
  - Must comply with SJ guidance on “reasonable standards”
- Update land use code
- First responder training
- Choose one of three options
  - Information about EVSE permitting on municipal website
  - Information about EVSE inspection on municipal website
  - Amend master plan to incorporate electric vehicles

#

**AN ORDINANCE**  
**AUTHORIZING AND ENCOURAGING**  
**ELECTRIC VEHICLE**  
**SUPPLY/SERVICE EQUIPMENT (EVSE) & MAKE-READY PARKING SPACES**

*[Note: Pursuant to P.L. 2021, c.171, all sections of this model ordinance become effective in each municipality upon its publication on the Department of Community Affairs' Internet website. Municipalities may make changes to the reasonable standards in the model ordinance as noted below through the normal ordinance amendment process. However, municipalities may not make changes to the legislatively mandated requirements in Sections C., D., and E.]*

This Ordinance sets forth procedures for the installation of Electric Vehicle Supply/Service Equipment (EVSE) and Make-Ready parking spaces and establishes associated regulations and other standards within the **{name of municipality}** \_\_\_\_\_ of **{name of county}** \_\_\_\_\_.

WHEREAS, supporting the transition to electric vehicles contributes to **{name of municipality}** \_\_\_\_\_'s commitment to sustainability and is in the best interest of public welfare; and

WHEREAS, installation of EVSE and Make-Ready parking spaces encourages electric vehicle adoption; and

WHEREAS, the **{name of municipality}** \_\_\_\_\_ encourages increased installation of EVSE and Make Ready parking spaces; and

WHEREAS, adoption of this ordinance supports the State of New Jersey's goals to reduce air pollutants and greenhouse gas emissions from the transportation sector as outlined and supported by various programs related to NJ's 2019 Energy Master Plan, Global Warming Response Act (P.L.2007, c.112 (C.26:2C-37 et al.)), and EV Law (P.L. 2019, c. 362); and

WHEREAS, P.L. 2021, c.171, which Governor Murphy signed into law on July 9, 2021, requires EVSE and Make-Ready parking spaces be designated as a permitted accessory use in all zoning or use districts and establishes associated installation and parking requirements; and

WHEREAS, adoption of this ordinance will support the Master Plan of **{name of municipality}** \_\_\_\_\_ adopted in concurrence with P.L. 1975 c. 291, s. 1 eff. Aug. 1, 1976, and is consistent with goals **{list #s or names}** \_\_\_\_\_ of the Master Plan as well as the land

1

DCA Model Statewide EVSE Ordinance

[www.nj.gov/dca/dlps/home/modelEVordinance.shtml](http://www.nj.gov/dca/dlps/home/modelEVordinance.shtml)



# EV Considerations – Total Cost



**Purchase price of vehicle**  
(with incentives)

**+ Fuel cost**

lightweight EV fuel cost  
in NJ is 51.4% less\*

**+ Maintenance**

lightweight EVs cost 40%  
less to maintain than ICE cars\*\*

**= Total Cost of Ownership**

When comparing the cost  
of an EV with a traditional  
vehicle consider  
**Total Cost of Ownership.**

\*University of Michigan. *Relative Costs of Driving Electric and Gasoline Vehicles in the Individual U.S. States.* 2018.

<http://umich.edu/~umtriswt/PDF/SWT-2018-1.pdf>

\*\* U.S. DOE. Argonne National Laboratory. *Comprehensive Total Cost of Ownership Quantification for Vehicles with Different Size Classes and Powertrains.* 2021.

<https://publications.anl.gov/anlpubs/2021/05/167399.pdf>



# EV Considerations



## Vehicle Miles Travelled

Select vehicles that:

- Are driven enough to allow lower fueling and maintenance costs to offset higher vehicle price
- Have enough downtime to be charged between duty cycles

## Parking and Charging

- Where will vehicle be parked?
- Will charging infrastructure be available?

## What do the fleet users think about adding EVs to the fleet?

Will fleet users embrace the new technologies?

- Arrange a test drive/demo
- Outreach to fleet users

Users may have information about vehicle usage that can inform vehicle purchases

Sustainable Jersey Webinar

[Join the EVolution!](#) - EV Charging information



Jersey City

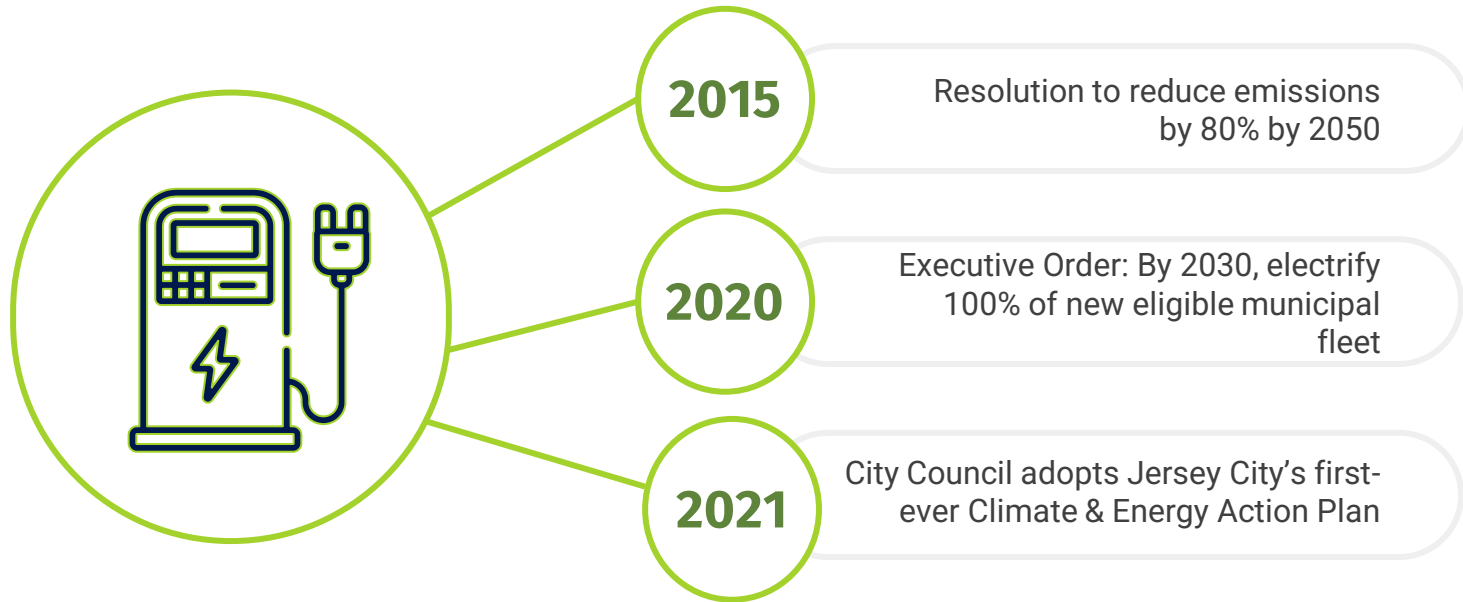
# JERSEY CITY Fleet Electrification

January 26, 2022

Carolina Ramos, Sustainability Coordinator

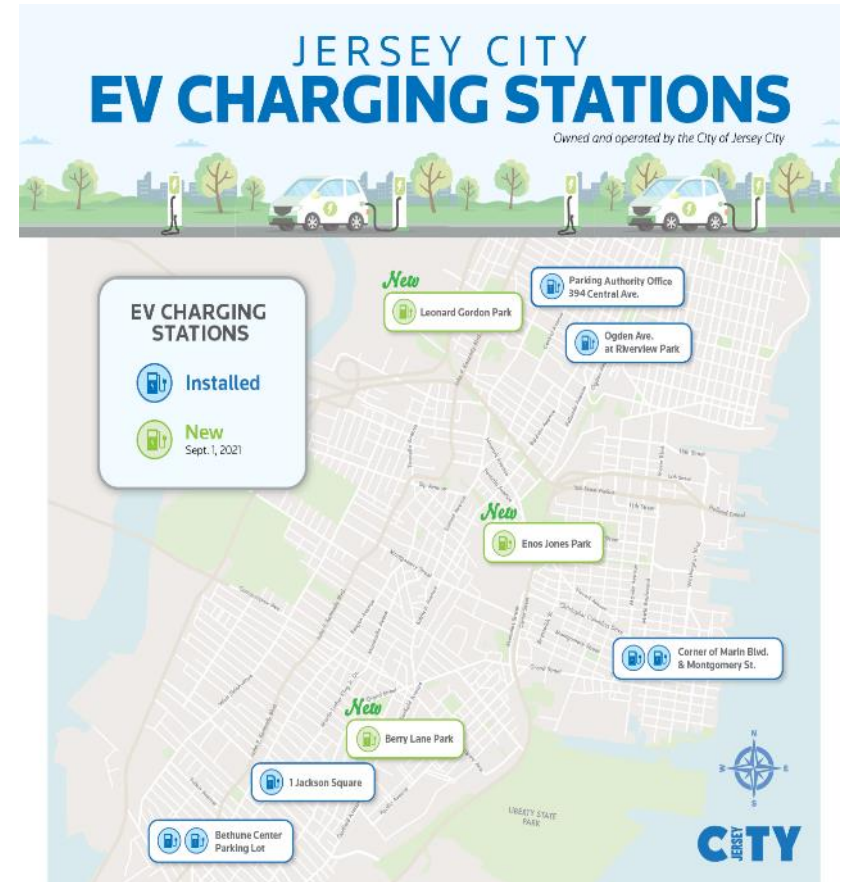


# Jersey City's Climate Commitments



# City-Owned EV Chargers

- 2020: first City-owned EV chargers installed
- 2022: 19 EV charging stations installed for municipal and public use across the city
- Level 2, dual-port ChargePoint stations
- NJDEP *It Pay\$ to Plug In*: grant program for the purchase and installation of electric vehicle charging stations



# Public EV Chargers

- 10 public charging stations
- Worked with City Council and neighborhood/park associations to identify sites
- Hourly rate of \$1.60, which covers the cost of electricity to the City



# Fleet EV Chargers

- 9 fleet chargers in total
- Chargers installed at 3 municipal buildings
  - City Hall
  - Municipal Services Complex – DPW
  - City Hall Annex
- Charging Time: flat to fully charged in about 8 hours (2019 Nissan LEAF)

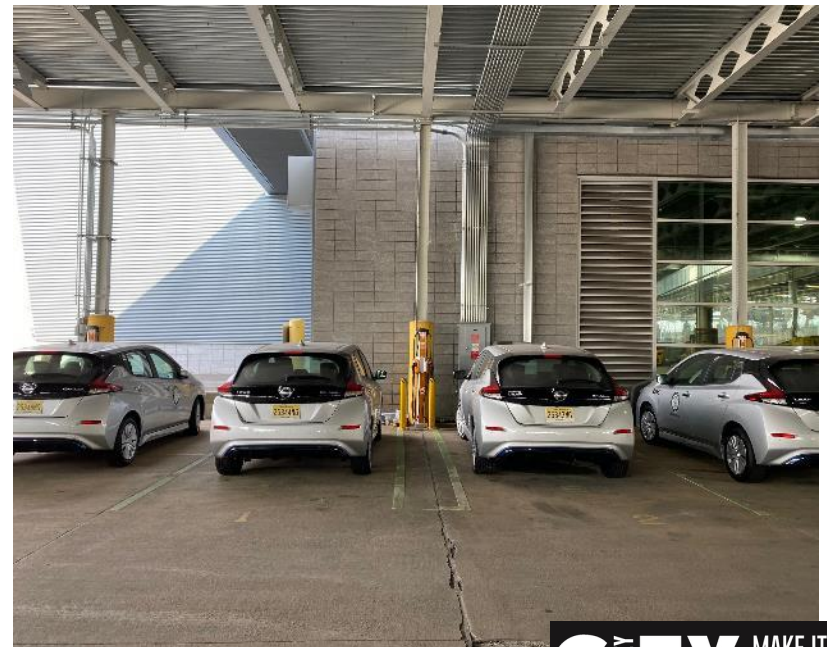




# Employee Car Sharing Pilot

2019-2020

- 2019: City's first car-sharing program optimizes the size and efficiency of all fleet vehicle operations eliminating underused vehicles to drastically reduce greenhouse gas emissions.
- 2020: Replaced eight older, less efficient gas-powered vehicles with four Nissan LEAFs.
- Due to the COVID-19 pandemic, the electric vehicles were assigned to the Quality of Life Task Force. Currently, there are eight electric fleet vehicles.



# Employee Car Sharing Pilot

2019-2020

- The City piloted a car sharing program using a web based car booking system that integrated with hardware.
- RFID vehicle tags (hardware) were installed in each vehicle.
- City staff (users) booked vehicles in advance. Staff were assigned RFID cards that unlock the vehicle at their booking time.
- Car sharing technology allows each individual vehicle to get more use and provides access to fleet vehicles to more users.

## Key Reminders

During the time of your booking, the NFC (near field communication) card you have been issued will be your key for the vehicle to unlock and lock it. The actual key fob for the vehicle is tethered inside the vehicle near the steering column. *Please only use your card to lock and unlock the vehicle. NEVER use the key fob to lock or unlock the vehicle.*

**To unlock the vehicle**, simply hold the NFC card up to the reader located in the bottom corner of the windshield on the driver's side.

**To lock the vehicle**, please repeat the same process, holding the card up to the reader.



**\*Please note: your vehicle cannot be accessed prior to the booking time or after the booking time expires so allow extra time between each booking.**

FLEETSHARE MANUAL

Page 5

## How to Charge your LEAF Continued



4. Connect the charge connector to the charge port. If it is connected normally, a beep will sound once.



The green icon on the dashboard indicates that the vehicle is charging.



5. Remove the charge connector, making sure to close the charge port correctly before starting the vehicle.

### Where to Charge your EV

Please charge the electric vehicle at one of the designated EV spots at City Hall.

### What is the LEAF's Range?

The Nissan LEAF range is 150 miles and takes about 8 hours at 220/240 Volts in a fully charged vehicle. Remember to leave the vehicle charging at the end of your booking so it is fully charged for the next user.

FLEETSHARE MANUAL



# Electric Garbage Trucks

- Jersey City awarded \$2 million by the NJDEP (VW Environmental Mitigation funds)
- Jersey City has started taking delivery of five battery electric refuse trucks
- Electric trucks will replace five diesel garbage trucks



# Electric Garbage Trucks


2022


- Two BYD 8R refuse trucks that have a 25-cubic-yard compactor body
- Three BYD 6R refuse trucks that have a 10-cubic-yard compactor body
- Trucks will connect seamlessly into our charging infrastructure at our public works facility, which is powered by the 1.23-megawatt solar array on top of the building.





 **Carolina Ramos**

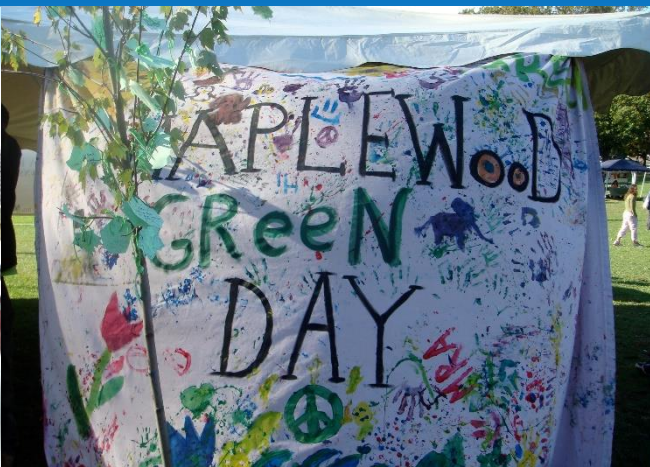
 201-547-4632

 [cramos@jcnj.org](mailto:cramos@jcnj.org)

# THANK YOU

[WWW.JERSEYCITYNJ.GOV](http://WWW.JERSEYCITYNJ.GOV)





# The 3 Ps

- **Policy**
- **Promotion**
- **Practice**



# Zoning Ordinances

**#2945-19**

**Limiting parking at charging sites to EV only**

**#2971-19**

**Requiring new multi-family buildings to have charging stations**

**#2972-19**

**Making charging stations an accessory use in all zones**





Your next car...  
**IT'S ELECTRIC!**

Essex County  
Electric Auto Show  
April 27th, 1-4pm



# Electric Car Charging Station

Ribbon Cutting November 2018



# ***It Pay\$ to Plug In***





# Maplewood Police Department Hybrid & Electric Vehicles



**2018**



**2021**



## Maplewood Department Vehicle Inventory Chart for 2022

### DEPARTMENT:

	Number of Vehicles
Gasoline-only	
Diesel-only	
Gasoline-electric hybrid	
Plug-in hybrid	
100 percent electric	
Fueled with B20 or higher biofuel	

Provide a description of your department's efforts to purchase electric vehicles, including time line for future purposes.

If electric vehicles are not available for your department's needs or the available electric vehicle stock is not suitable for your department's needs, describe the current situation and if you see this changing in the next five years.





*Sustainable*



MAPLEWOOD



NJ BPU:

# Driving EV Adoption

January 26, 2022  
Sustainable Jersey

- At least 330,000 registered light-duty EV by December 2025;
- At least 2 million registered light-duty EVs by December 2035;
- At least 85 percent of all new light-duty vehicles sold or leased in the State shall be plug-in EVs by December 2040;
- At least 25 percent of State-owned non-emergency light-duty vehicles shall be EVs by December 2025;
- 100 percent of State-owned non-emergency light duty vehicles shall be plug-in EVs by December 2035

## EV Goals





# EV Charging Goals

- At least **400 DC Fast Chargers** shall be available for public use at no fewer than 200 charging locations in the State by December 2025
- At least **1,000 Level Two chargers** shall be available for public use across the State by December 2025
- At least **15 percent** of all multi-family residential properties in the State shall be equipped with EVSE for the routine charging of plug-in electric vehicles by December 2025.
- At least **30 percent** of all multi-family properties shall be equipped for electric vehicle charging by December 2030.
- At least **20 percent** of all franchised overnight lodging establishments shall be equipped with EVSE for routine electric vehicle charging by guests of the establishment by providing Level Two EVSE by December 2025.



# How the Federal Programs will impact New Jersey Fleets

● Live Now: President Biden Delivers Remarks on the Bipartisan Infrastructure Law

THE WHITE HOUSE  MENU 

BRIEFING ROOM

## FACT SHEET: President Biden Signs Executive Order Catalyzing America's Clean Energy Economy Through Federal Sustainability

DECEMBER 08, 2021 • STATEMENTS AND RELEASES






*U.S. Government Will Lead by Example to Leverage Scale and Procurement Power to Drive Clean, Healthy, and Resilient Operations*

The President's executive order directs the federal government to use its scale and procurement power to achieve five ambitious goals, including:

- 100 percent zero-emission vehicle (ZEV) acquisitions by 2035, including 100 percent zero-emission light-duty vehicle acquisitions by 2027;

# Federal Tools we can use

[www.energy.gov/eere/femp/electric-vehicles-federal-fleets](http://www.energy.gov/eere/femp/electric-vehicles-federal-fleets)

PHASE	GOAL	ACTION	C
PLAN	 <b>Train Team</b>	<input type="checkbox"/> Review EV knowledge & training materials	
	 <b>Identify ZEV &amp; EVSE Opportunities</b>	<input type="checkbox"/> Complete <a href="#">ZPAC tool</a> to identify priority ZEVs and EVSE sites <input type="checkbox"/> Complete DOE <a href="#">EVSE Planning Form</a> to inform collaboration, site design, and project management. FEMP Fleet's <a href="#">EVSE Tiger Team</a> can offer support.	
DESIGN	 <b>Meet with Key Stakeholders &amp; Design EVSE</b>	<input type="checkbox"/> Engage with priority site staff, including energy manager, fleet manager, site leadership, and facility owner (PBS if GSA-owned)	
		<input type="checkbox"/> Call local electric utility	
		<input type="checkbox"/> Work with leadership to secure funding and leverage other projects (e.g., <a href="#">ESPCs</a> )	
		<input type="checkbox"/> Determine installer (in-house or contractor)	
EXECUTE	 <b>Acquire EVs &amp; Install EVSE</b> 	<input type="checkbox"/> Acquire EVSE from GSA's <a href="#">EVSE BPA</a> or <a href="#">GSA Advantage</a>	
		<input type="checkbox"/> Lease or purchase ZEVs from <a href="#">GSA AFV Guide</a>	
		<input type="checkbox"/> Install EVSE & set up accounts	
		<input type="checkbox"/> Support drivers as EVs begin operation	

This list of on-demand training opportunities covers a wide variety of content for both EV novices and experts. Completing the items on this list will provide fleet and facility managers with all the information necessary to **Plan, Design, and Execute** a successful fleet electrification program.

TRAINING	TYPE	DURATION	SUBJECT AREA AND LEVEL
<input type="checkbox"/> <a href="#">FEMP EV Technology Overview</a>	Video	12 minutes	EV 101, EVSE 101
<input type="checkbox"/> <a href="#">FEMP EV Financial Considerations</a>	Video	9 minutes	Financial 101
<input type="checkbox"/> <a href="#">FEMP Electric Vehicle Supply Equipment Infrastructure</a>	Video	8 minutes	EVSE 101, Facility 101
<input type="checkbox"/> <a href="#">Charging GSA Fleet EVs Publicly</a>	One Page	~5 minutes	EVSE 101
<input type="checkbox"/> <a href="#">GSA ZEV Fact Sheet and AFV Guide</a>	Website	~30 minutes	EV 101
<input type="checkbox"/> <a href="#">Attend EV Champion Training 1: Technology &amp; Financials</a>	CEU Webinar	91 minutes	EV 102, EVSE 102
<input type="checkbox"/> <a href="#">Attend EV Champion Training 2: EVSE Power/Install</a>	CEU Webinar	68 minutes	EVSE 201, Facility 201
<input type="checkbox"/> <a href="#">Attend EV Champion Training 3: EV Site Assessments</a>	CEU Webinar	127 minutes	EVSE 202, Facility 202
<input type="checkbox"/> <a href="#">Attend EV Champion Training 4: Advanced EV Solutions</a>	CEU Webinar	121 minutes	Facility 301, Program 301
<input type="checkbox"/> <a href="#">EV Champion Worksheet 1: Technology &amp; Financials</a>	Worksheet	~30 minutes	EV 201, Financial 201
<input type="checkbox"/> <a href="#">EV Champion Worksheet 2: EVSE &amp; Electric Utility</a>	Worksheet	~30 minutes	EVSE 201, Facility 201
<input type="checkbox"/> <a href="#">EVSE Tiger Team Report: Army Site Assessments</a>	Report	~45 minutes	EVSE 201, Facility 201
<input type="checkbox"/> <a href="#">Workplace Charging Program Guide</a>	Report	~45 minutes	Program 201, Financial 201
<input type="checkbox"/> <a href="#">Workplace Charging Fee Calculator</a>	Calculator	~10 minutes	Program 202, Financial 202
<input type="checkbox"/> <a href="#">Vehicle Cybersecurity Threats and Mitigation Techniques Report</a>	Report	~45 minutes	EV 301, EVSE 301
<input type="checkbox"/> <a href="#">GSA Fleet Workshop: EVs and EVSE</a>	Video	71 minutes	EV 101, EVSE 101
<input type="checkbox"/> <a href="#">Future GSA Fleet Workshop Trainings</a>	Website	~60 minutes	Various
<input type="checkbox"/> <a href="#">Fed Fleet: Fleet Analysis for EV Suitability</a>	Slide Deck	~30 minutes	EV 201
<input type="checkbox"/> <a href="#">Fed Fleet: EVs and EVSE</a>	Slide Deck	~30 minutes	EV 201, EVSE 201
<input type="checkbox"/> <a href="#">ZPAC Training Series</a>	Video	45 minutes	EV 202, EVSE 202



# EV Champion Training 1: EV Technology And Financial Considerations

EV Champion Training is a virtual training series hosted by the National Renewable Energy Laboratory that is designed to provide fleet managers and coordinators with the skills and knowledge to become subject matter experts in electric vehicle (EV) implementation. This four-part training serves as an introduction to EV technology and considerations for electric vehicle supply equipment (EVSE) installation. This course focuses on introducing the basics of EV technology and financial considerations important for agencies considering fleet electrification.

Below is a list of all of the courses in this series:

- [EV Champion Training 1: EV Technology and Financial Considerations](#);
- [EV Champion Training 2: EVSE Power and Installation Requirements](#);
- [EV Champion Training 3: Performing EV Site Assessments](#); and
- [EV Champion Training 4: Advanced EV Site Assessments and Operations](#).

**Education Type:** On-Demand

**Duration:** 1.5 Hours

**Level:** Introductory

**FEMP IACET:**

0.2 CEU



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[Register](#) for free.





# Clean Fleet Program

- Electric vehicles are now included on the State Purchasing Contract under Award T0099
- Clean Fleet Electric Vehicle Incentive Program
- Designed to encourage local and state government entities to add EVs to their fleet
  - Grants awarded on rolling basis until funding expended
- Questions? [EV.programs@bpu.nj.gov](mailto:EV.programs@bpu.nj.gov)

# Clean Fleet Incentive Amounts

- \$4,000 for a Battery Electric Vehicle
- \$2,000 for a public L2 charger
- \$1,500 for a fleet L2 charger
- 50% (up to \$5,000) for the Make-Ready for an L2 charger
- 50% (up to \$75,000) for the Make-Ready and charger for a Fast Charger



# Clean Fleet EV Incentive Award Caps

	EVs	Charging stations
<b>Local governments, entities, schools</b>		
<i>serving populations &lt; 20,000</i>	2	1
<i>serving populations &gt; 20,000</i>	5	2
<i>serving populations &gt; 50,000</i>	7	4
<b>Local governments</b>		
<i>serving populations &gt; 100,000</i>	10	4
<b>State agencies, boards, commissions, universities, and counties</b>	10	4

[www.NJCleanEnergy.com/EV](http://www.NJCleanEnergy.com/EV)

# Public Charging



Utility Filings  
Make Ready  
Incentives

- Public
- Workplace
- MUD



Fast Charging

- PSEG - 1200
- ACE - 100



Level 2

- PSEG - 3500
- ACE - 1500+

# MHDV Charging

Straw Proposal for the Medium Heavy Duty EV EcoSystem was released on June 30, 2021. Six stakeholder meetings were scheduled and comments were due on October 5, 2021.

The Straw Proposal looks at:

- What will charging look like?
  - Public charging
  - On-site charging
- How do we encourage EV adoption for fleets
  - Light duty
  - Medium duty
  - Heavy Duty
- What role will energy storage and renewable energy play?

**Updated MHD Straw proposal coming 2022**

# EV Tourism



- Targets tourism destinations across the state
- Provides incentives for chargers:
  - \$2000 per L2 charger
  - 50% of make ready, up to \$5,000 per L2 charger
  - 50% of DCFC (charger and make ready), up to \$75,000 per charger
- Sites are eligible for up to 6 L2 chargers and 2 DCFC.
- Applications due by December 6, 2021.

# MUD EV Charger Incentive

- For owners and property managers of Multi-Unit Dwellings (MUDs)
- MUDs – apartments, condos and townhouses with 5 or more units and dedicated off-street parking.
- Sites are eligible for up to 6 L2 chargers



- Provides incentives for chargers:
  - \$1500 per L2 charger (\$2000 for Overburdened Municipalities)
  - 50% of make ready, up to \$5,000 per L2 charger (75%, up to \$7,500 for Overburdened Municipalities)

# More Information

**Cathleen Lewis**

E-Mobility Programs Manager

[Cathleen.Lewis@nj.bpu.gov](mailto:Cathleen.Lewis@nj.bpu.gov)

**Visit**

[NJCleanEnergy.com](http://NJCleanEnergy.com)

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[@NJCleanEnergy](#)







# NJDEP Electrification Grants



## eMobility Program

- Grants for electric shared mobility projects such as electric car sharing and ride hailing

## Heavy Duty Vehicle Electrification Grants

- Replace old diesel trucks, buses, port equipment, marine vessels, and trains with electric power
- Offset cost of associated charging infrastructure

## It Pay\$ to Plug In: NJ's Electric Vehicle Charging Grants

- Offset cost of purchasing and installing electric vehicle charging stations
  - \$750 per Level 1 charging port
  - \$4,000 per Level 2 charging port

[www.drivegreen.nj.gov/dg-electric-vehicles-affordability.html](http://www.drivegreen.nj.gov/dg-electric-vehicles-affordability.html)





# NJDEP EV Resources



## Includes:

- Procurement Tools
- Incentives
- Policy & Planning Support
- Sustainable Jersey Resources
- Resources for Residents

<https://www.drivegreen.nj.gov/localresources.pdf>



# NJEDA's Zero Emission Incentive Program



**Voucher program for zero-emission medium duty vehicles in the greater Camden, greater Newark and greater New Brunswick, and shore areas**

Vehicles Class 2b – Class 6  
(8,501 lbs – 26,000 lbs GVWR)

For businesses and institutions  
(including local governments and schools)

\$25,000 - \$100,000 voucher

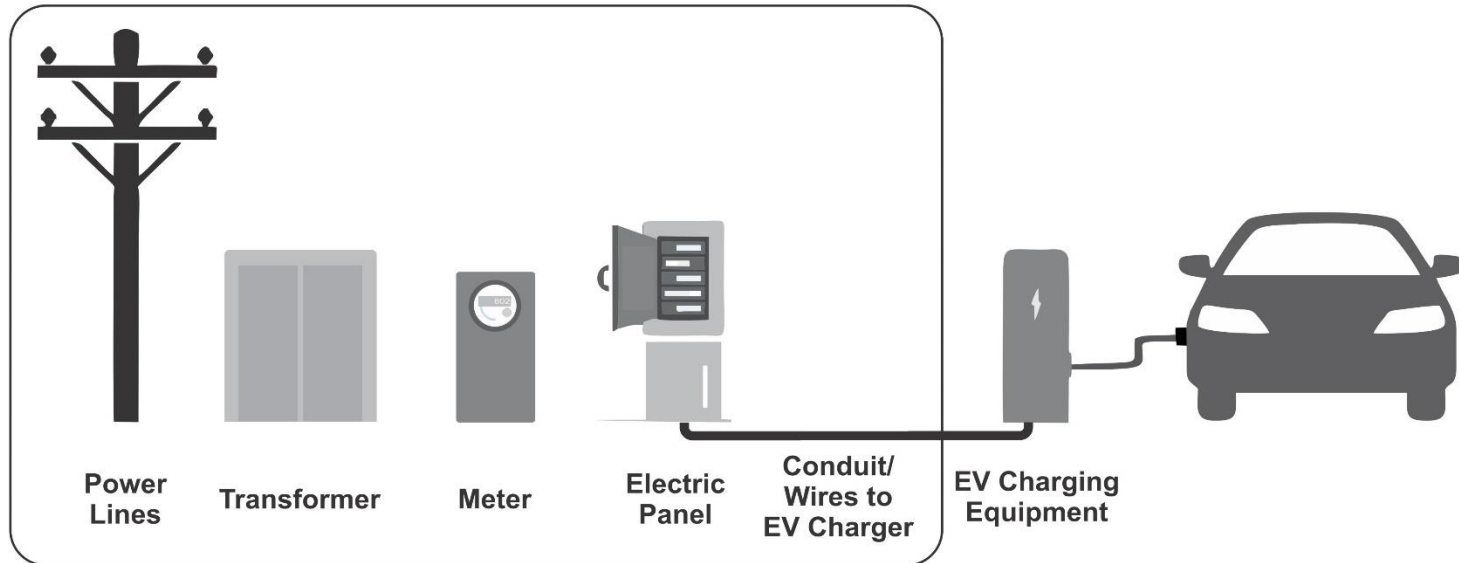
Info and application:

[www.njeda.com/njzip](http://www.njeda.com/njzip)

Image from [www.njeda.com/njzip](http://www.njeda.com/njzip)



# Utility EV Charging Incentives



**Make-Ready Infrastructure**

## **Atlantic City Electric (ACE) Electric Vehicle Program**

[www.atlanticcityelectric.com/SmartEnergy/InnovationAndTechnology/Pages/Electric-Vehicle-Program.aspx](http://www.atlanticcityelectric.com/SmartEnergy/InnovationAndTechnology/Pages/Electric-Vehicle-Program.aspx)

## **Jersey Central Power and Light Electric Vehicle Webpage**

[https://www.firstenergycorp.com/help/saving\\_energy/electric-vehicles/nj-ev.html](https://www.firstenergycorp.com/help/saving_energy/electric-vehicles/nj-ev.html)

## **PSE&G Electric Vehicle Charging Program**

[nj.myaccount.pseg.com/myservicepublic/electricvehicles](http://nj.myaccount.pseg.com/myservicepublic/electricvehicles)

## **Rockland Electric Company Electric Vehicle Webpage**

[www.oru.com/en/our-energy-future/technology-innovation/electric-vehicles/nj-commercial-ev?language=en](http://www.oru.com/en/our-energy-future/technology-innovation/electric-vehicles/nj-commercial-ev?language=en)

# Sustainable Jersey Supporters & Sponsors

## Program Underwriters



## Grants Program



## Corporate Sponsors

### PLATINUM



### GOLD



### SILVER



### BRONZE



# Sustainable Jersey for Schools Supporters & Sponsors

## Program Underwriters



## Grants Program



## Corporate Sponsors

### PLATINUM



### GOLD



### SILVER



### BRONZE





# Sustainable Jersey Grants Program



## For Municipalities:

- Fund a project relating to Sustainable Jersey actions
- \$2,000, \$10,000, \$20,000
- Application due  
**Friday, February 11, 2022**

[www.sustainablejersey.com/grants](http://www.sustainablejersey.com/grants)

## For Schools:

- Fund a project relating to Sustainable Jersey for Schools actions
- \$2,000, \$10,000
- Application due  
**Friday, March 11, 2022**

[www.sustainablejerseyschools.com/grants](http://www.sustainablejerseyschools.com/grants)



# New Jersey Board of Public Utilities Community Energy Plan Grants

Grant to support Community Energy Planning

Local initiatives to meet NJ EMP goals

Two grant levels

- All New Jersey municipalities: **\$10,000**
- Overburdened Municipalities: **\$25,000**
  - Technical assistance
    - develop and submit application
    - assistance in creation of Plan

## Overburdened Municipalities

Asbury Park City	Millville City
Atlantic City	New Brunswick City
Bridgeton City	Newark City
Buena Boro	North Wildwood City
Camden City	Passaic City
Cape May Point Boro	Paterson City
Chesilhurst Boro	Paulsboro Boro
City of Orange Twp	Penns Grove Boro
Clementon Boro	Perth Amboy City
Commercial Twp	Phillipsburg Town
East Newark Boro	Plainfield City
East Orange City	Pleasantville City
Egg Harbor City	Prospect Park Boro
Elizabeth City	Salem City
Fairfield Twp	Seaside Heights Boro
Flemington Boro	Trenton City
Freehold Boro	Union City
Harrison Town	Victory Gardens Boro
Hi-nella Boro	Vineland City
Irvington Twp	West New York Town
Lakewood Twp	Wildwood City
Lindenwold Boro	Woodbine Boro
Long Branch City	Woodlynne Boro
Maurice River Twp	Wrightstown Boro

**Application Deadline: Friday March 18, 2022**

[NJCleanEnergy.com/CEP](https://NJCleanEnergy.com/CEP)





# CEPG Application

- Checklist
- Budget
- Municipal Resolution
- DEADLINE:
- March 18, 2022

**Community Energy Plan Application Checklist**

**Strategy 1. Reduce Energy Consumption and Emissions from the Transportation Sector**

- 1.1 Adopt Supportive Zoning and Regulations for EV Charging Infrastructure  
Pass NJDCA's model ordinance specifying EV charging infrastructure as a permitted accessory use
- 1.2 Train First Responders on EVs and EV Charging Infrastructure  
Require training on EVs and EV charging infrastructure for local first responders
- 1.3 Train Non-Emergency Staff on EVs and EV Charging Infrastructure  
Initiate training on EVs and EV charging infrastructure for municipal code officials, etc.
- 1.4 Purchase Alternative Fuel Vehicles  
Strategically replace gasoline/diesel municipal vehicles with EVs or other alternative fuel vehicles
- 1.5 Improve Municipal Fleet Efficiency  
Purchase more efficient versions, downsize fleet, improve driver efficiency

**Renewable Energy and Distributed Energy Resources**

- Incentives for Private Solar  
Develop and procedure for solar developers
- Developers on municipal website
- Community Solar  
Districts; help community solar developers with permitting
- Developers
- Employ municipal staff such as inspectors
- Generation  
in municipal property
- Municipal Facilities  
Supply municipal facilities with renewable electricity
- Employ  
municipal employees
- Purchasing Program  
Commitment to residents and/or businesses
- Energy Aggregation (R-GEA)  
Commitment to residents with high renewable content
- Ambassador  
Designate community stakeholders
- Public Outreach Coordinator  
Designate solar
- Municipal Property  
Identify land, fill, etc. for installation of community solar project

**RESOLUTION # \_\_\_\_\_**  
[Municipality]

**RESOLUTION AUTHORIZING THE APPLICATION TO THE NJ CLEAN ENERGY PROGRAM COMMUNITY ENERGY PLANNING GRANT PROGRAM**

**WHEREAS,** a sustainable community seeks to ensure that its environmental, economic and social objectives are balanced and mutually supportive; and

**WHEREAS,** [Municipality] strives to assure clean land, air and water for current and future generations; and

**WHEREAS,** New Jersey's Energy Master Plan: Pathway to 2050 ("EMP") established that community-level action is necessary to achieve the state's goal of 100% clean energy by 2050; and

**WHEREAS,** the New Jersey Board of Public Utilities has created a Community Energy Plan Grant program for municipalities to develop a community energy plan to meet the goals of the state's Energy Master Plan; and

\_\_\_\_\_ plan to help the state  
[Municipality] plan for and for all residents by using strategies that increase  
[Municipality] has determined that the duration of the [Municipality], State  
[Municipality] Energy Plan Grant  
\_\_\_\_\_ data and for convening  
\_\_\_\_\_ the [Municipality], State  
\_\_\_\_\_ to the NJBPU

**Appendix E: Preliminary Budget**

Budget for Community Energy Plan Grant

Item Number	Description	Estimated Cost	Notes
1			
2			
3			
4			
5			
	Total		



# SolSmart



- Points-based national certification program
- Solar planning, zoning, permitting, and outreach
- SolSmart Silver counts for Make Your Town Solar Friendly Action

**Join Sustainable Jersey's SolSmart Cohort today!**

***To join, send email to:  
info@sustainablejersey.com***

For more information:  
**solmart.org**

## *Solar Statement* to include

- Commitment to SolSmart certification
- Past solar achievement
- Solar goals
- Commitment to track solar metrics in your community



Image [www.solmart.org](http://www.solmart.org).



# Online Solar Permitting Tool

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- Developed by National Renewable Energy Laboratory (NREL)
- Free for municipalities
- Automated plan review, code compliance check
- Online fee payment
- Can reduce permitting time by 5-10 days

**[solarapp.nrel.gov/](https://solarapp.nrel.gov/)**

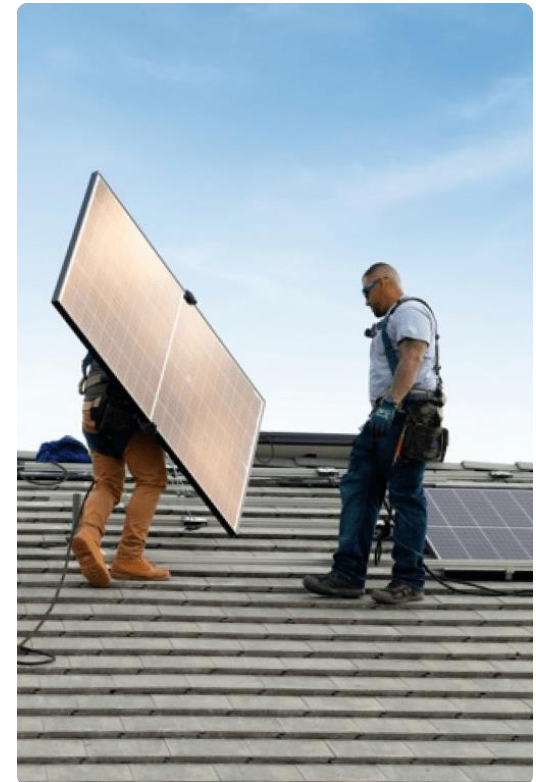


Image from NREL. [solarapp.nrel.gov](https://solarapp.nrel.gov)



SAVE THE DATE

# NEW JERSEY SUSTAINABILITY SUMMIT

JUNE 24, 2022

8 AM - 4 PM

BELL WORKS, HOLMDEL, NJ

#NJSustainabilitySummit





# STUDENT CLIMATE CHALLENGE

**It is not too  
late to  
register!**

The Challenge is free and open to all New Jersey public schools serving students in grades 6 to 12. Students identify and complete a school or community project to address a cause or impact of climate change and create a short video about their experience.

Schools with first, second and third place winners will receive a grant ranging from \$2,500 to \$500 to advance their climate education initiatives. The students and their teachers will be recognized at an awards ceremony hosted by the Drumthwacket Foundation with the New Jersey Governor and First Lady.

Teachers can [register](#) to participate and integrate the Climate Challenge into their classroom or club activities here. To support and inspire student action, educational sessions will be offered for students and teachers starting in February. Learn more [here](#).



# Thank You!

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## **Victor De Luca**

Councilperson

Township of Maplewood

[V.DeLuca@twp.maplewood.nj.us](mailto:V.DeLuca@twp.maplewood.nj.us)

## **Cathleen Lewis**

EMobility Programs Manager

New Jersey Board of Public  
Utilities

[Cathleen.Lewis@bpu.nj.gov](mailto:Cathleen.Lewis@bpu.nj.gov)

## **Carolina Ramos**

Sustainability Coordinator

City of Jersey City

[CRamos@jcnj.org](mailto:CRamos@jcnj.org)

## **Tracey Woods**

Research & Project Specialist

Sustainable Jersey

[Woodst@tcnj.edu](mailto:Woodst@tcnj.edu)