

Agenda March 15

Introductions

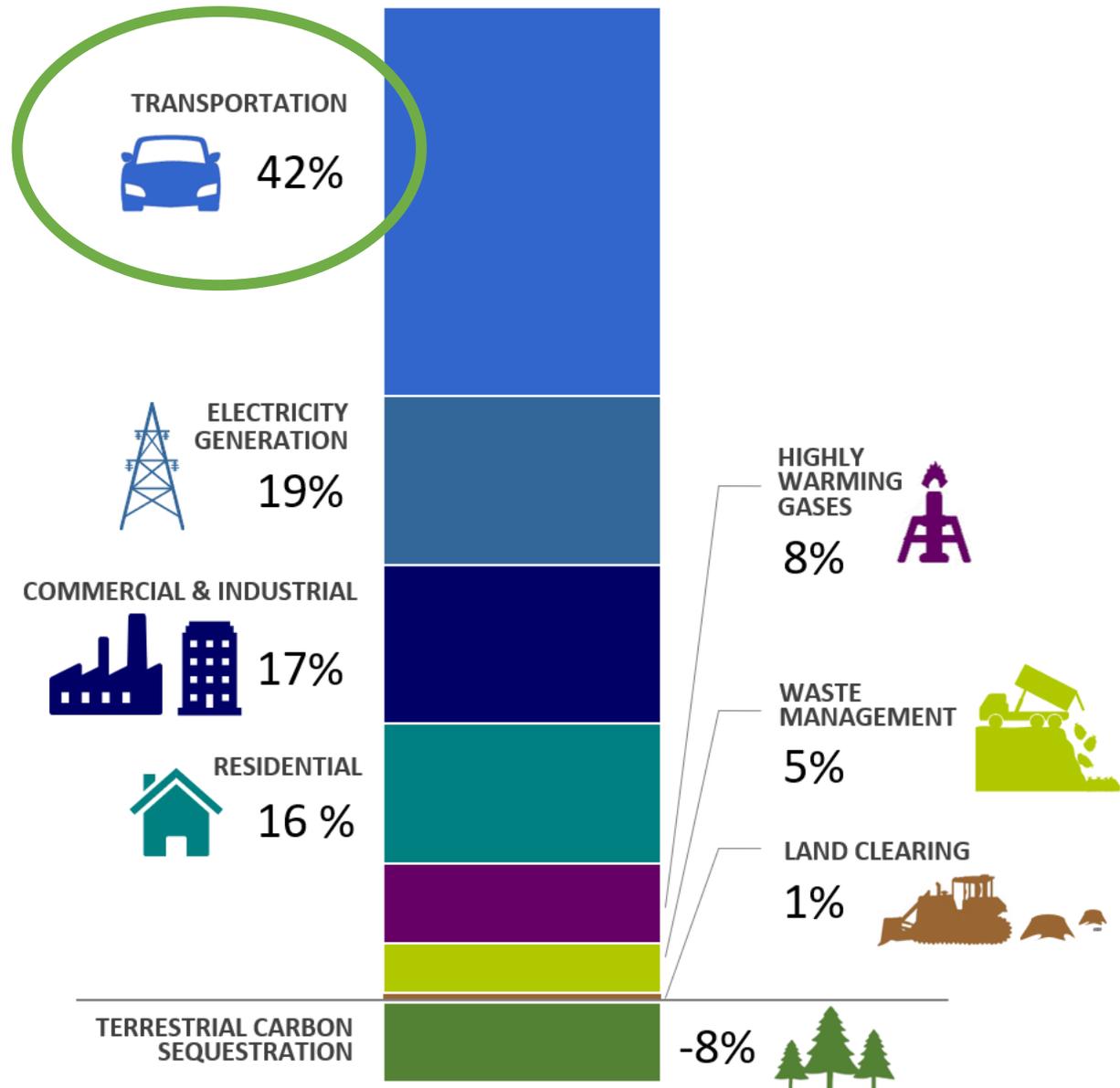
State grant programs

Federal funding

Statewide model ordinance

Questions and Discussion

“Limiting human-induced global warming to a specific level requires limiting cumulative CO2 emissions, reaching at least net zero CO2 emissions, along with strong reductions in other greenhouse gas emissions.”



New Jersey Greenhouse Gas Sources & Sinks 2018

State funding programs

www.drivegreen.nj.gov/pdf/incentivesummary.pdf

NJDEP

- It Pay\$ to Plug In (charging stations)
- E-mobility (electric shared mobility)
- RGGI funding (Class 2b-8 electric vehicles and charging stations)

NJEDA

- NJZIP (Class 2b-6 electric vehicles)

NJBPU

- Clean Fleet program (light duty EV and charging stations for govt)
- EV Tourism program (charging stations at tourist attractions)
- Utility make ready programs

EV Charging Station Comparison



	AC Level 1	AC Level 2	DC Fast Charger
Voltage	120V 1-Phase AC	208V or 240V 1-Phase AC	480V 3-Phase AC
Suitable for Installation	Single-family Multi-family	Single-family Multi-family Commercial Municipal/Private Fleet	Municipal/Private Fleet Public Metro Areas Highway rest stops
Amps	12-16 Amps	12-90 Amps (typical 32 Amps)	<125 Amps (typical 60 Amps)
Charging loads	1.4 - 1.9 kW	2.5 - 19.2 kW (typical 7 kW)	<90 kW (typical 50 - 350 kW)
Charge time for vehicle	3-5 miles of range per hour	10-20 miles of range per hour	80% charge in 20-30 minutes
Best for	6+ hour or overnight charge	2-6 hour dwell times	High turn over
Station hardware cost	\$500 - \$1,000 per port	\$600 - \$5,000 per port	\$7,000 - \$50,000 per port

It Pay\$ to Plug In

NJDEP's Grant Program for EV Charging Stations

Level 1 and Level 2 Chargers

Up to \$4,000 per port for **Level 2** chargers at **public places, multi-family homes, and workplaces** (for employees, visitors and fleets). *First come, first served.*

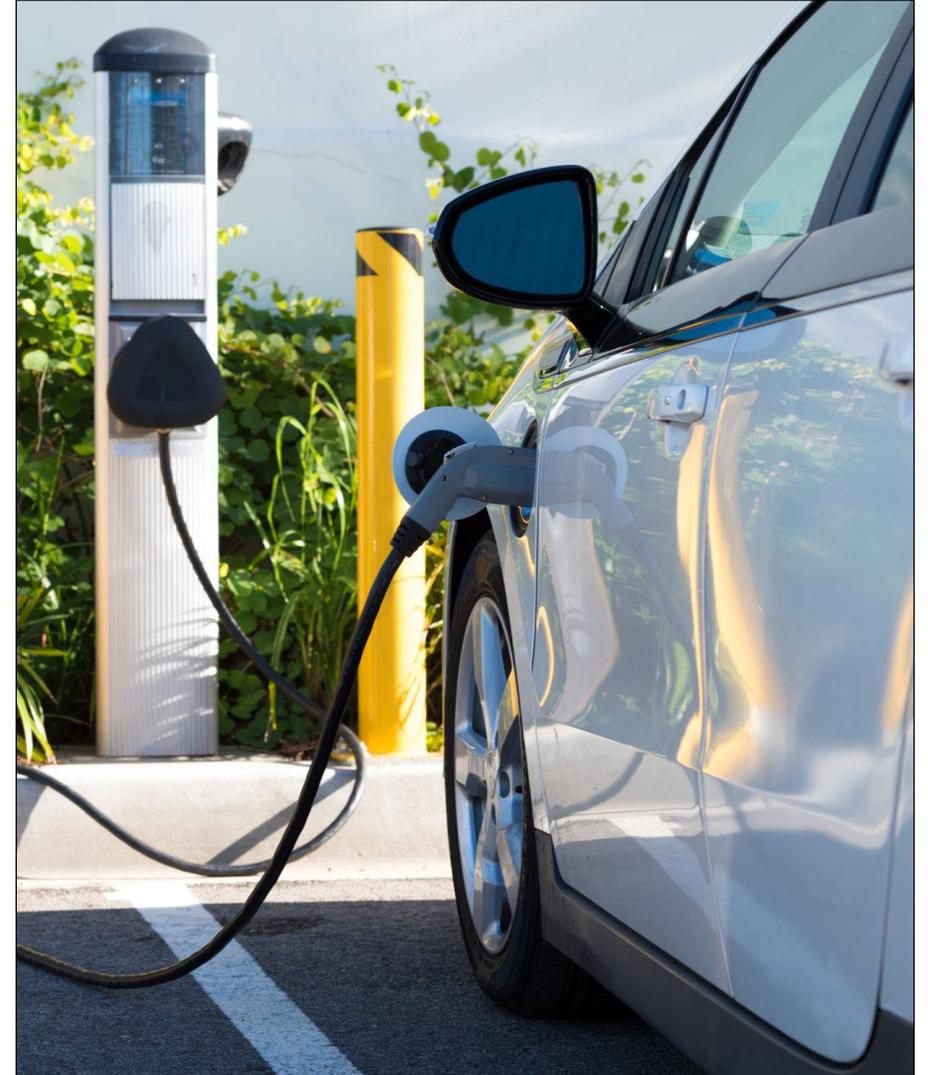
Corridor Fast Chargers

Up to \$200,000 per location for **public DC fast chargers along major roadways**. *Competitive solicitation.*

Community Fast Chargers **NEW!!**

Up to \$200,000 per location for **public DC fast chargers where people live and work**. *Competitive solicitation.*

www.drivegreen.nj.gov/plugin.html



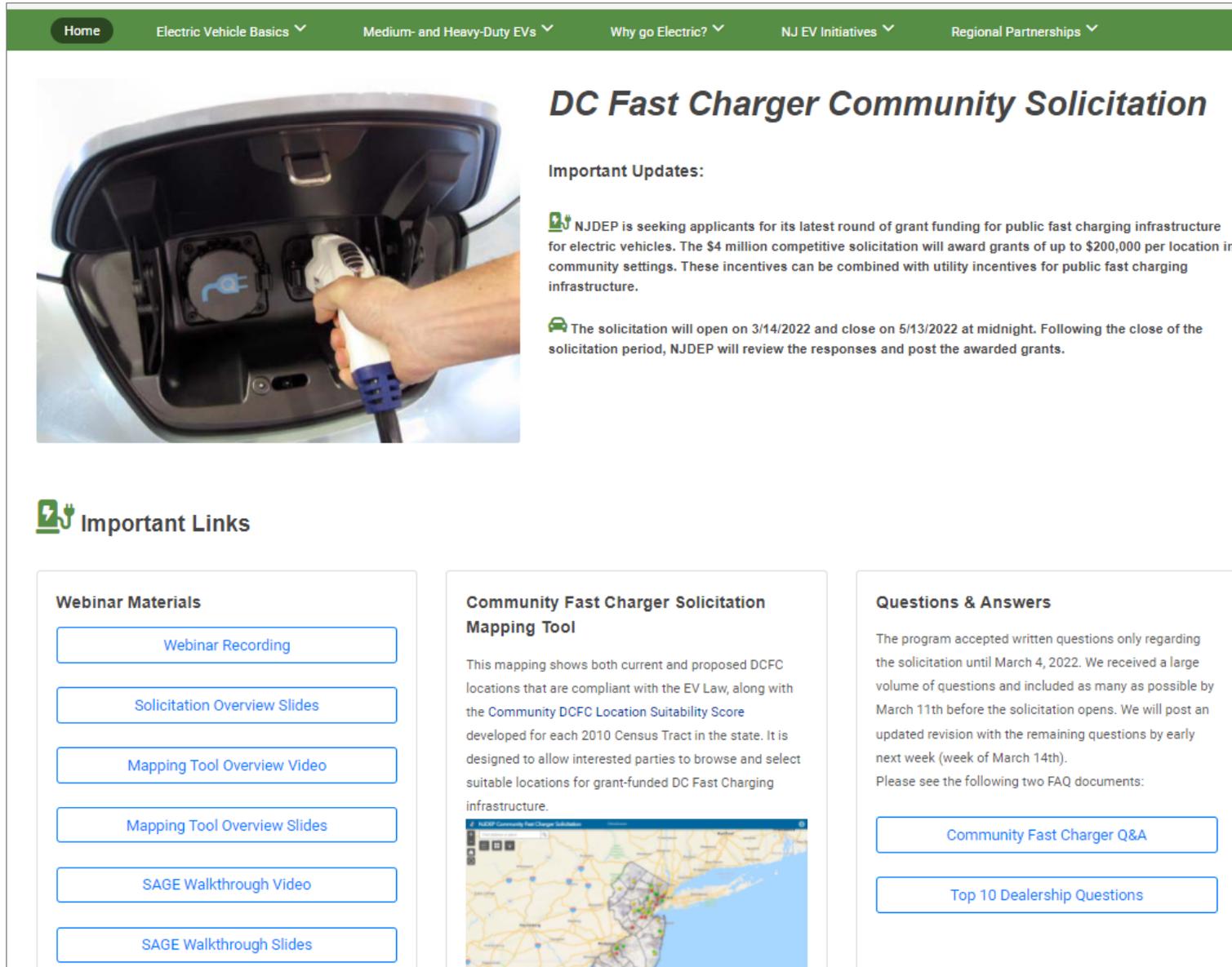
NEW! Community Fast Charger Incentive

Up to \$200,000 per location for public fast chargers where people live and work



***\$4 million funding round open now. Competitive solicitation.
Deadline Friday, May 13.***

NEW! Community Fast Charger Incentive



The screenshot shows a website page with a green navigation bar at the top containing links for Home, Electric Vehicle Basics, Medium- and Heavy-Duty EVs, Why go Electric?, NJ EV Initiatives, and Regional Partnerships. The main content area features a large image of a hand plugging a charging cable into a vehicle's charging port. To the right of the image is the title "DC Fast Charger Community Solicitation" and a section for "Important Updates" with two bullet points. Below this is an "Important Links" section with three columns of links. The first column lists "Webinar Materials" with links for recording, overview slides, overview video, overview slides, SAGE walkthrough video, and SAGE walkthrough slides. The second column is titled "Community Fast Charger Solicitation Mapping Tool" and includes a brief description and a map. The third column is titled "Questions & Answers" and includes a description of the program and two links for Q&A documents.

Home Electric Vehicle Basics Medium- and Heavy-Duty EVs Why go Electric? NJ EV Initiatives Regional Partnerships

DC Fast Charger Community Solicitation

Important Updates:

- NJDEP is seeking applicants for its latest round of grant funding for public fast charging infrastructure for electric vehicles. The \$4 million competitive solicitation will award grants of up to \$200,000 per location in community settings. These incentives can be combined with utility incentives for public fast charging infrastructure.
- The solicitation will open on 3/14/2022 and close on 5/13/2022 at midnight. Following the close of the solicitation period, NJDEP will review the responses and post the awarded grants.

Important Links

Webinar Materials

- Webinar Recording
- Solicitation Overview Slides
- Mapping Tool Overview Video
- Mapping Tool Overview Slides
- SAGE Walkthrough Video
- SAGE Walkthrough Slides

Community Fast Charger Solicitation Mapping Tool

This mapping shows both current and proposed DCFC locations that are compliant with the EV Law, along with the Community DCFC Location Suitability Score developed for each 2010 Census Tract in the state. It is designed to allow interested parties to browse and select suitable locations for grant-funded DC Fast Charging infrastructure.



Questions & Answers

The program accepted written questions only regarding the solicitation until March 4, 2022. We received a large volume of questions and included as many as possible by March 11th before the solicitation opens. We will post an updated revision with the remaining questions by early next week (week of March 14th).

Please see the following two FAQ documents:

- Community Fast Charger Q&A
- Top 10 Dealership Questions

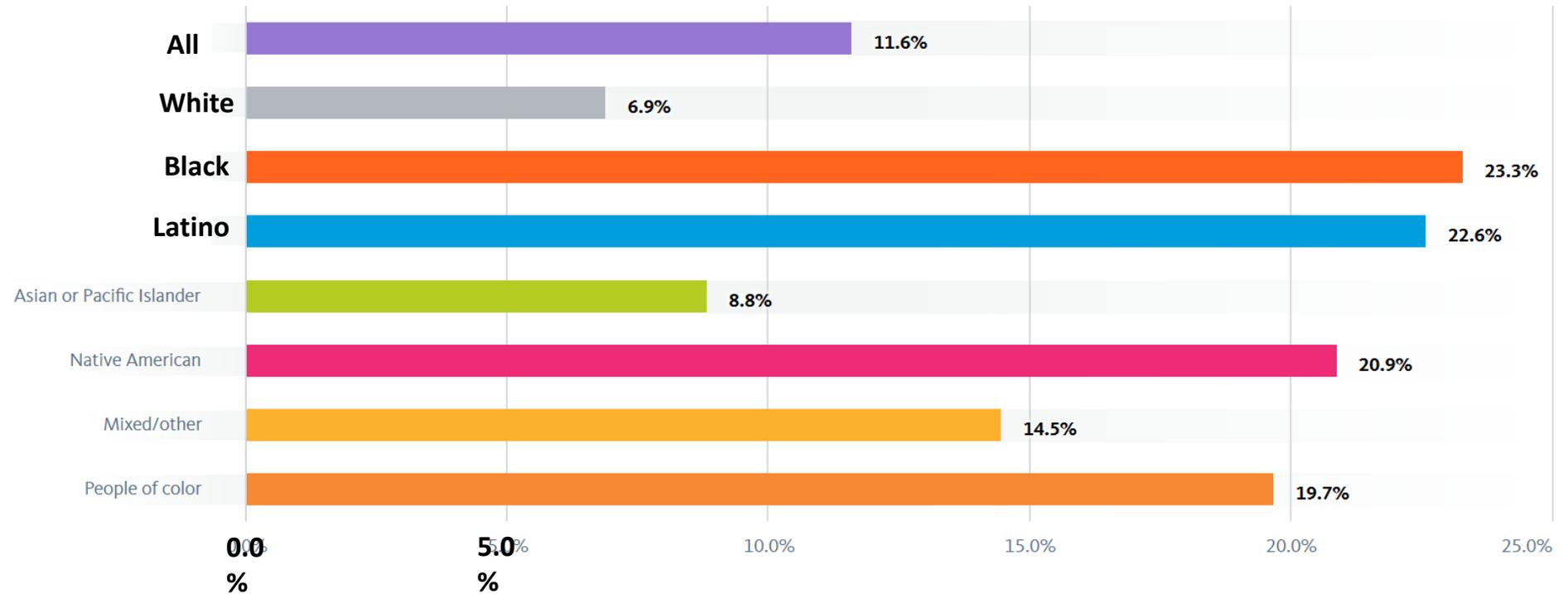
Application, FAQs,
maps, recorded
webinar

[nj.gov/dep/drivegreen/
communitydcfc.html](https://nj.gov/dep/drivegreen/communitydcfc.html)

Innovation to close the equity gap



Percent of household without a vehicle by race/ethnicity: New Jersey, 2015



NJDEP e-mobility grants

Funding for electric shared mobility projects like electric car sharing and ride hailing services.

Programs that benefit overburdened communities will be prioritized.

*Competitive solicitation.
Stay tuned.*



Jersey City's new public ride-share service with VIA hits the road
One of 15 vehicles part of the City's new public ride-share service.



Clean Fleet EV Incentive Award Caps

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

www.NJCleanEnergy.com/EV

Class 1 - 6,000 lbs & Less



Class 2 - 6,001 to 10,000 lbs



Class 3 - 10,001 to 14,000 lbs



Class 4 - 14,001 to 16,000 lbs



Class 5 - 16,001 to 19,500 lbs



Class 6 - 19,501 to 26,000 lbs



Class 7 - 26,001 to 33,000 lbs



Class 8 - 33,001 lbs & Over



“light duty”

“medium and heavy duty”

NJDEP Medium & Heavy-Duty Vehicle Electrification Grants

DEP grants to replace old diesel vehicles & equipment with electric.

Examples: school buses, transit buses, garbage trucks, delivery trucks, port trucks and equipment. Includes associated charging equipment.

Overburdened communities will be prioritized.

Competitive solicitation closed

March 4

Stay tuned for another one in July



NJ ZIP: Zero-emission Incentive Program



Funding

\$44.25M in voucher pool

Timing

First come, first serve with rolling approvals, open until all funds committed. Set asides by location and for small businesses to ensure equitable access.

Eligibility

Businesses or institutions (including schools!) operating or domiciling zero-emission medium-duty vehicles in Greater Camden, Newark, New Brunswick, and Shore Areas

Voucher Amounts

Vehicle Class	Voucher \$
Class 2b	\$25,000
Class 3	\$55,000
Class 4	\$75,000
Class 5	\$85,000
Class 6	\$100,000

Bonus voucher criteria

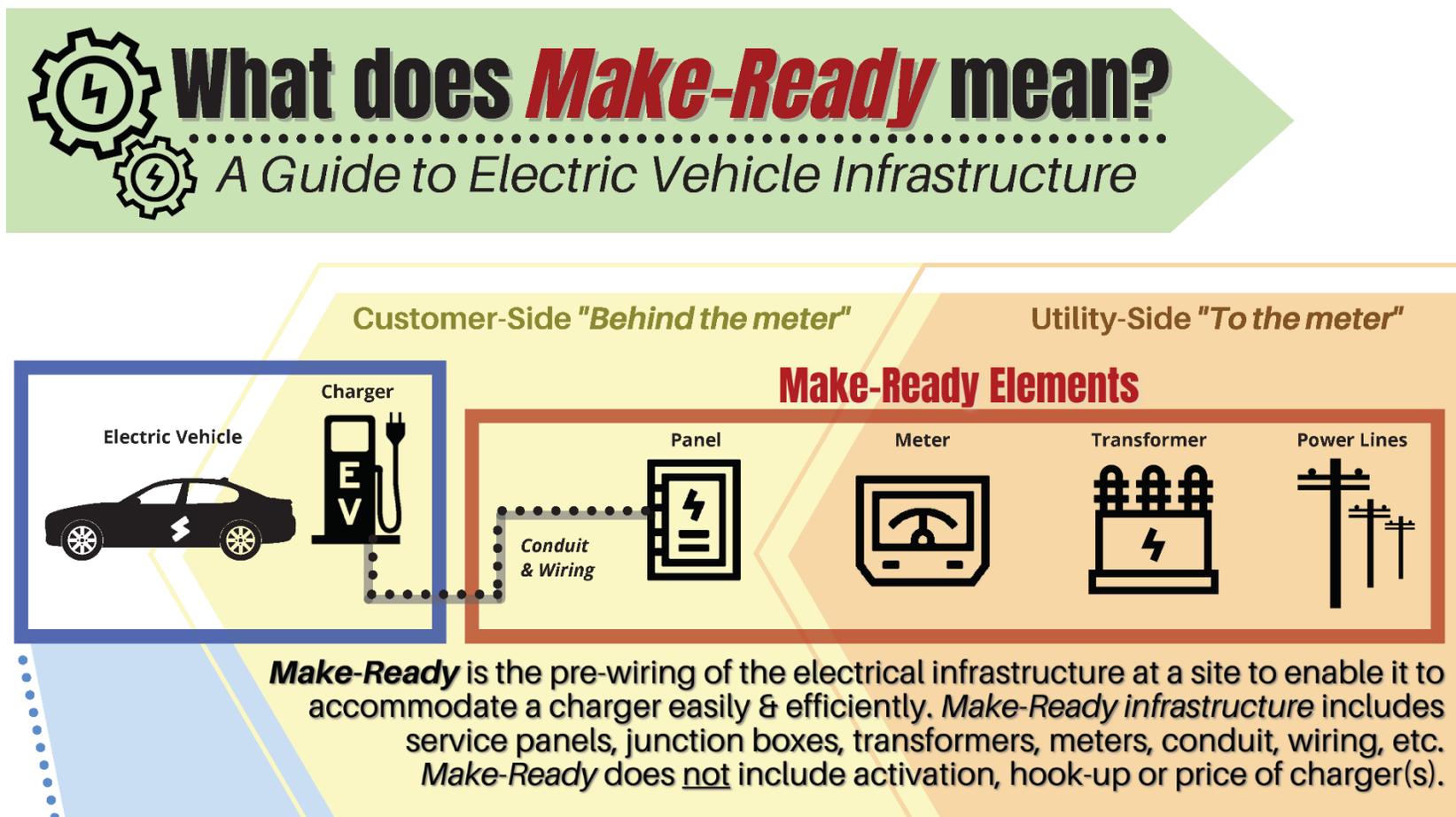
- Minority-, women-, or veteran-owned business
- Small business
- Small business scrappage
- 25% NJ-manufactured
- Public access for driver readiness and education

Basic program requirements

- \$1000 application fee
- Buy new ZEV & register in NJ
- 3 years operation, 75% in NJ and 50% in EJ
- Vendor provides charging and in-state maintenance plan
- Comply with audit requirements

Utility make ready programs

- Level 2: PSEG 3500 and ACE 1500
- DCFC: PSEG 1200 and ACE 100



For eligibility, incentive amounts, requirement and application, see:
[PSE&G Electric Vehicle Charging Program](#)
[Atlantic City Electric Vehicle Charging Program](#)

COMING SOON

Federal funding
from the Bipartisan
Infrastructure Law

EV Charging: Formula Funding

EV Charging: National Grant Program

School Bus Grant Program

(5 years for all)	EV Charging: Formula Funding	EV Charging: National Grant Program	School Bus Grant Program
Administered By	USDOT	USDOT	EPA
Funding Recipient	NJDOT	CDBG: State & local government	School districts, contractors, nonprofit assn.
Funds for NJ	~\$20 M/yr	Competitive. \$500 M/yr nationally.	Competitive. \$1 B/yr nationally. Cap of 10% for any state.
Eligibility	Fast Charging on designated corridors	At least 50% for community charging in high LMI and MUDs	At least 50% for electric buses and charging
Cost share	20% from public or private entity	20% from private entity	Up to 100% of vehicle and infrastructure
Timeframe	Underway now	Program must be open by Nov. '22	April '22

EV Charging Law – P.L. 2021, c. 171

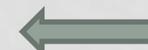
- Requirements for chargers and make-ready parking places at new construction
- Zoning and permitting provisions for new construction
- Model ordinance
<https://www.nj.gov/dca/dlps/home/modelEVordinance.shtml>
- *Just released [Best Management Practices to Ensure Your Town is EV Ready \(nj.gov\)](#)*



REQUIREMENTS FOR NEW CONSTRUCTION

- Applications involving **new multiple dwelling with ≥ 5 units**:
 - Immediately: 15% of parking spaces shall be make-ready and 1/3 of those shall have EVSE installed;
 - Within 3 years: install EVSE in an additional 1/3 of the original 15%
 - Within 6 years: install EVSE in the final 1/3 of the original 15%.
 - Overall, at least 5% of EVSE must be accessible for people with disabilities
 - Can install EVSE at a faster pace
- Applications involving **new garage or parking lot not covered above**:

# of Parking Spaces	# of Make-Ready Required (can be EVSE)
≤ 50	1
51-75	2
76-100	3
101-150	4
> 150	4%



1 ADA accessible



5% ADA accessible

- Municipality may encourage (but not require) additional EVSE or Make-Ready parking spaces.



Sustainable Jersey EV-Related Actions

- Fleet Inventory
- Public EV Charging Infrastructure
- Make Your Town EV Friendly
- Purchase Alternative Fuel Vehicles
- EV Community Outreach
- Fleet Inventory
- Meet Target for Green Fleets

On the **Actions** page, the EV actions are in the **Energy** section, listed under **Transportation Initiatives**

www.sustainablejersey.com/actions/

FLYER: EV resources for local government



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

Download from
www.drivegreen.nj.gov/localresources.pdf

VISIT OUR WEBSITE FOR MORE EV INFO

Your choice to drive electric improves New Jersey's air quality and helps slow climate change.

drive green new jersey



Vehicle Basics

Between all of the different acronyms, it's easy to get confused. Here we have a basic breakdown of the main types of electric vehicles that either plug in or have no harmful tailpipe emissions.



Charging

There are many options when it comes to charging your electric vehicle. This information will reveal the types of charging stations, where to find one, information on the cleanliness of the NJ grid, and charging resources.



Incentives to Drive Green

There are many different federal and state incentives to make the transition easier. Explore Electric Vehicle Affordability with calculators that determine your personal cost. "It Pays to Plug In", provides grants to offset the cost of electric vehicle charging stations.



Policy Initiatives

Learn about the policy initiatives New Jersey is developing to support the electrification of the transportation sector to meet State's 2050 greenhouse gas goal.

www.drivegreen.nj.gov



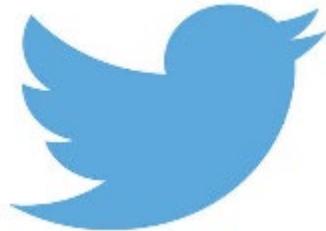
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Join our listserv for updates and funding announcements
www.state.nj.us/dep/stophesoot/sts-listserv.htm



Thank you!

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