COMMUNITY CHARGING

PROGRAM GUIDE

DLC
DUQUESNE LIGHT CO.

ELECTRIFY YOUR COMMUNITY
THAT'S THE CHARGE

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A Message From DLC

At Duquesne Light Company (DLC), we're proudly working towards a larger than light, clean energy future for all, which requires us to deliver exceptional results today and boldly harness opportunities for tomorrow. We recognize electricity is fueling a new era of mobility in the Pittsburgh region and we're here to help customers like you navigate the transition so you and your organization can experience the benefits of electric mobility.

As the number of electric vehicles (EVs) on our roadways quickly accelerates, we can help ensure you're prepared to attract them to your business, workplace, multi-family property, or community by installing electric vehicle charging. It's a great way to attract and retain customers, tenants, residents, and employees that are increasingly driving electric.

Whether you already have plans in place or you're just getting started, we're here to be your trusted partner on EV charging installations. Through the Community Charging Program, we hope to help you develop an effective project site that fulfills the need for more EV charging in our communities, especially those that are underserved. For eligible projects, we'll design and build the electric infrastructure from the power grid to the charging station, and those supporting equitable charging access may also be eligible for DLC charging station rebates.

If you have any questions as you explore this information, please don't hesitate to reach out to our team of EV Specialists here at DLC at **electricvehicles@duqlight.com**.

A Trusted Partner

EXPANDING EV CHARGING

In 2019 alone, public charging increased by more than 70 percent in the City of Pittsburgh through DLC's charging infrastructure rebate. These efforts led to the installation of nearly 100 charging station plugs at popular destinations throughout the city, including:

- Nova Place, North Side
- Rivers Casino, North Shore
- Eastside Bond Garage, Shadyside
- Bakery Square, East Liberty
- Cork Factory, Strip District
- Carnegie Mellon University, Oakland
- The Highline, South Side
- PPG Place, Downtown
- One Oxford Centre, Downtown

Through its program, DLC supported charging station installation costs at each of these nine locations and also worked alongside the project teams to help them apply for additional incentives such as the Driving PA Forward state rebate.

DLC's Community Charging Program builds off the success of these efforts to expand the support available to commercial customers as they install EV charging at public, workplace, and multi-family dwelling sites.

"For us, installing charging stations at Nova Place was about exceeding present and future demands. We're focused on modernizing our facilities because it's the right thing to do for our tenants, visitors to Nova Place and the environment."

Brad Ott

Vice President of Commercial Operations
Faros Properties

Market Overview

ELECTRIC VEHICLES ARE HERE...

50,000

At the start of 2022, there were nearly 50,000 EVs registered in Pennsylvania, with more than 10% of those located in Allegheny and Beaver Counties.

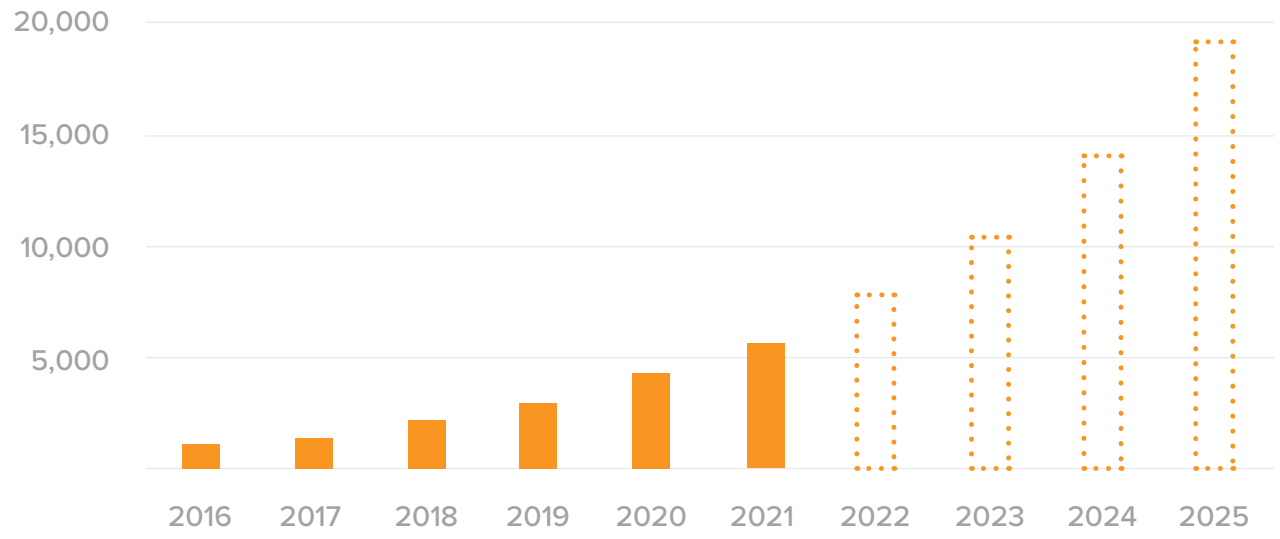
40%

According to a 2021 Pew Research study, nearly 40% of consumers are likely to strongly consider electric when purchasing or leasing their next vehicle.

$100 Billion+

As of early 2022, the Big Three automakers alone are investing more than $100 billion in EVs through 2025.

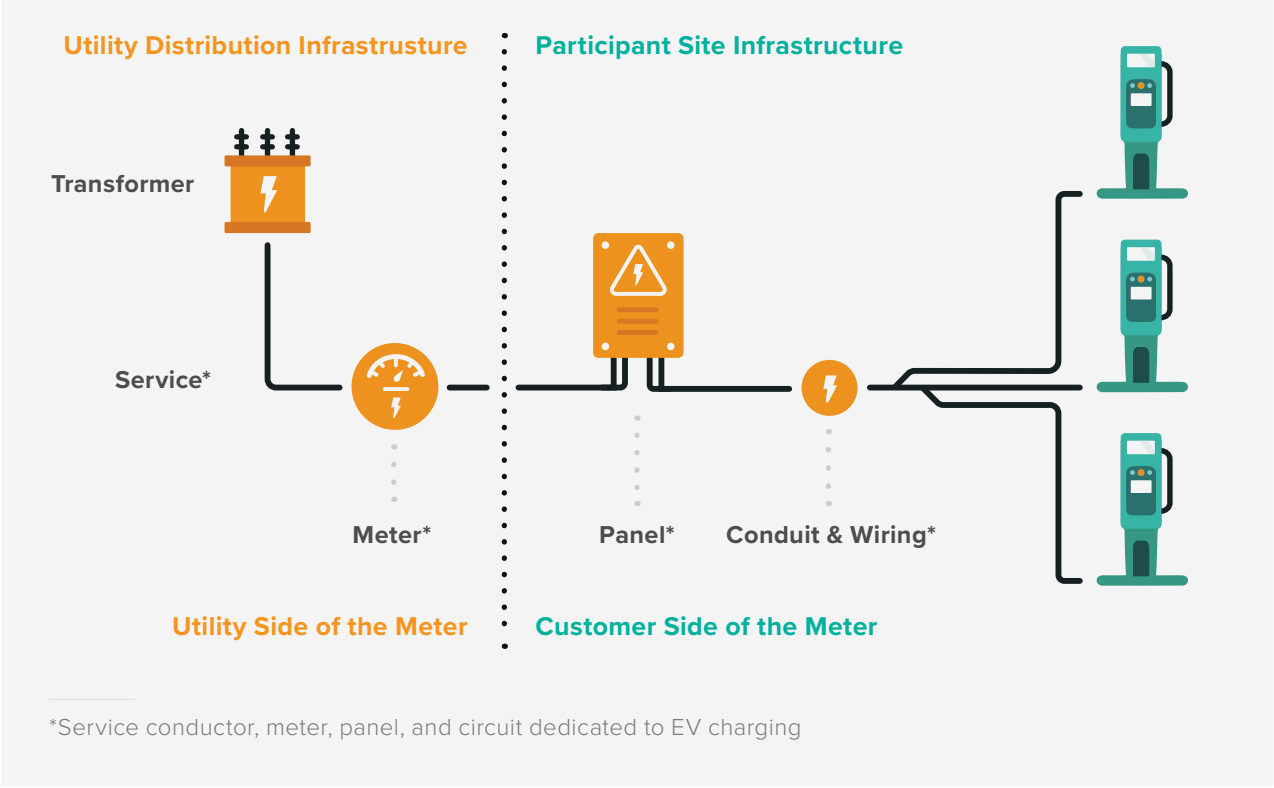
...AND MORE ARE ON THE WAY



By 2025, nearly 20,000 light-duty EVs are expected to be within DLC's service territory of Allegheny and Beaver Counties.

How the Program Works

Through our Community Charging Program, we're teaming up with businesses, multi-family properties, non-profits, and municipalities to make installing EV charging easier. For eligible projects, we'll design and build the electric infrastructure from the power grid up to the charging station. All you need to do is install the charging station.



*Service conductor, meter, panel, and circuit dedicated to EV charging

Covered by DLC Program **Covered by Customer**

EV SERVICE CONNECTION

DLC completes distribution service upgrades as needed. In some cases, customers may be required to contribute cost share to the upgrade. Your DLC EV Specialist will help you identify these costs upfront.

EV MAKE-READY

DLC will design, build, maintain, and cover costs for the EV make-ready infrastructure from your meter to your charging station equipment such as the panel, conduit, and wiring.

CHARGING EQUIPMENT

Customer procures, installs, maintains, and operates the charging station equipment. Your DLC EV Specialist will help you identify if your project is eligible for state and DLC rebates on your charging equipment.

Program Process Overview

STEP 1 REVIEW THE PROGRAM REQUIREMENTS

Using this guide, review the program's requirements and discuss your potential project with an EV Specialist at DLC. They'll work with you to design an effective project, answer questions, and guide you through the program process.

STEP 2 COMPLETE YOUR APPLICATION

With the help of a DLC EV Specialist, gather all the necessary information for your project, select your charging station, and submit your application to DLC.

STEP 3 PROJECT EVALUATION

After we receive your application, we'll evaluate the eligibility and feasibility of your project using the information you provide and by performing an on-site assessment.

STEP 4 PROJECT DESIGN

For qualified projects, DLC will prepare an estimated project cost structure and a customer agreement outlining responsibilities for the project. You'll purchase your charging station, and we'll work together to complete site design, engineering, easement, and permitting.

STEP 5 CONSTRUCTION & COMMISSIONING

We'll install the electrical make-ready between the power grid and the charging station, and then you or your contractor will install and commission the charging station equipment.

Program Requirements: Customer & Site Expectations

SITES MUST MEET THE FOLLOWING TO PARTICIPATE:

- Located in DLC's service territory within Allegheny or Beaver County
- Be a shared parking facility that serves the public, employees at a workplace, or residents of a multi-family property

CUSTOMERS MUST MEET THE FOLLOWING TO PARTICIPATE:

- Have authority over the site parking facility and electrical access
- Agree to provide DLC with the right-of-way easement necessary to install and maintain make-ready charging infrastructure
- Ability to install at least two dual-port Level 2 charging stations[1]

ELIGIBLE SITE CATEGORIES

PUBLIC

Parking areas that are open to the public, such as a business, community park, or municipal building.

WORKPLACE

Parking areas dedicated to employee parking, such as an employee parking lot or garage.

MULTI-FAMILY

Parking areas that are shared and open to all residents of a multi-family property, such as an apartment or condominium building.

CHARGING STATION SITE DESIGN CONSIDERATIONS:

DLC will evaluate the cost-effectiveness of each proposed site. For your site to be cost-effective, the charging station installation should:

- Be as close as possible to the site's existing transformer
- Be served by an above-ground transformer with 120/208 secondary voltage
- Be grouped in the same location (e.g., same area of parking lot)
- Take advantage of the ability to mount equipment on existing walls
- Limit the amount of trenching required, especially paved surfaces

[1]Qualifying projects in Environmental Justice Areas serving disadvantaged communities must install a minimum of one dual-port, networked Level 2 charging station.

Program Requirements: Key Responsibilities

CUSTOMER

1. Submits a program application.
2. Signs a customer agreement and provides DLC with right-of-way easement.
3. Purchases and installs charging station hardware from DLC's qualified product list.
4. Maintains charging stations in good working order and subscribes to charging station network service for ten years.
5. Pays for electric service to the charging stations.
6. Directs charging station network vendor to provide DLC with charging station usage data for ten years.

DLC

1. Works with you to help you assess your unique EV charging needs, explore available solutions, and submit a program application.
2. Covers costs and completes engineering design, permitting, and construction of the make-ready infrastructure for your charging station project.
3. Provides projects serving disadvantaged communities in Environmental Justice Areas with added project assistance, including a DLC rebate of up to $5,000 per dual-port Level 2 charging station.
4. Assists with identifying and applying for other state and federal incentives to cover the costs of the charging stations.
5. Ensures make-ready infrastructure stays in good working order for ten years, following which the customer will take over ownership and maintenance of the make-ready infrastructure.

Plan Your Project: Start by Choosing Your Charging Station

CHOOSE YOUR HARDWARE BEFORE YOU APPLY

To take part in the Community Charging Program, you must install at least two dual-port, networked Level 2 charging stations.[2] It's important to choose your charging station hardware and network from DLC's qualified product list and receive a vendor quote for your selections before you apply for the Community Charging Program. Your choice will affect the information you'll need to include in your application, such as the equipment's capacity and load requirements, and cost information from your vendor quote will be used to inform any applicable charging station rebate amount.

FUNDING

You may be eligible for additional federal, state, and DLC funding to help cover the costs of your charging equipment and installation, such as:

- **Driving PA Forward Level 2 EV Charging Rebate Program** – Covers up to 50 - 80% of Level 2 charging station equipment costs.
- **Duquesne Light Company** – Qualified projects serving disadvantaged communities in Environmental Justice Areas may be eligible for a DLC rebate of up to $5,000 per dual-port Level 2 charging station.

Your DLC EV Specialist will help you find and apply for any added funding you may be eligible for to ensure your costs are minimized.

COST GUIDELINES FOR YOUR EV CHARGING STATION EQUIPMENT

Charging Type	Power Level	Price Range
Networked Level 2 (Dual-Port)	<8 kW	$2,500 - $9,000
Networked Level 2 (Dual-Port)	9-20 kW	$4,000 - $10,000

ADDITIONAL COST CONSIDERATIONS

Cost	Price Range ($) per dual-port L2 Charging Station
Maintance & Warranty	$350 - $950 per year
Network Fee	$360 - $780 per year
Electricity	Varies by site
Other one-time fees (tax, delivery, commissioning, etc.)	$200 - $700

QUALIFIED PRODUCTS

Review Community Charging Program qualified products[3] and find vendor representative contact information by scanning the QR code or navigating to the webpage below.

www.DuquesneLight.com/QualifiedChargingProducts.

[2]Qualifying projects in Environmental Justice Areas serving disadvantaged communities must install a minimum of one dual-port, networked Level 2 charging station

[3]Additional products that meet the Company's safety and technical standards may be added over the lifetime of the program.

Plan Your Project: Get Ready to Apply

Your DLC EV Specialist will provide you with the Community Charging Program application and help you complete it by gathering the information below.

USE CASE

- ☐ How often would you expect charging stations at the site to be used?
- ☐ Will the project promote equal charging access in our region by serving disadvantaged communities in Environmental Justice Areas?
- ☐ What is your desired charging station installation timeframe?

SITE ASSESSMENT

- ☐ Where would you like the charging stations to be installed (surface lot, parking garage, etc.)?
- ☐ Will you or the property owner be able to provide a right-of-way easement?

EXISTING ELECTRICITY SERVICE

- ☐ Site address, census tract, & parcel ID
- ☐ DLC account, meter, & transformer numbers
- ☐ Details of current DLC service (overhead or underground, single or three phase, etc.)

CHARGING STATIONS

- ☐ How many charging station ports will you be installing?
- ☐ What type of charging station equipment are you installing (make, model, etc.)?
- ☐ What is the current (amps) and electrical output (kW) requirements for your charging station equipment?

Project Evaluation

REVIEW

After you submit your application, DLC will review it and let you know if more information is needed.

ASSESSMENT

DLC will schedule a site visit to evaluate the existing electric service, and get an understanding of what will be needed to install electric infrastructure from the power grid up to the charging station.

APPROVAL

Projects that are deemed eligible and feasible will be approved for participation in the program.

Project Design

Once your project is approved for participation in the program, we'll work with you to design the project by taking the following steps:

1. AGREEMENT

DLC will provide you with an estimated project cost structure and an agreement outlining DLC and your responsibilities for the project.

2. SITE DESIGN & ENGINEERING

After your agreement is executed, DLC will work with you to create the site design and engineer your project.

3. PURCHASE CHARGING STATION

If you haven't already, you now must buy your charging station from DLC's qualified product list and supply proof of hardware purchase and network service subscription to DLC.

4. PERMITTING & EASEMENT

At this point, DLC will obtain permitting and send you a right-of-way easement, which must be signed by the property owner and returned to DLC for construction to begin.

Construction & Commissioning Process

After we finish designing your project and the signed customer agreement and easement are received by DLC, we'll begin construction of the make-ready infrastructure by taking the following steps:

SCHEDULING

We'll work together to establish a construction schedule

CONSTRUCTION

DLC will complete the construction of the make-ready infrastructure work

INSTALLATION

You will install the EV charging station

ENERGIZE

DLC installs the meter & energizes site

COMMISSION

You will commission the charging stations

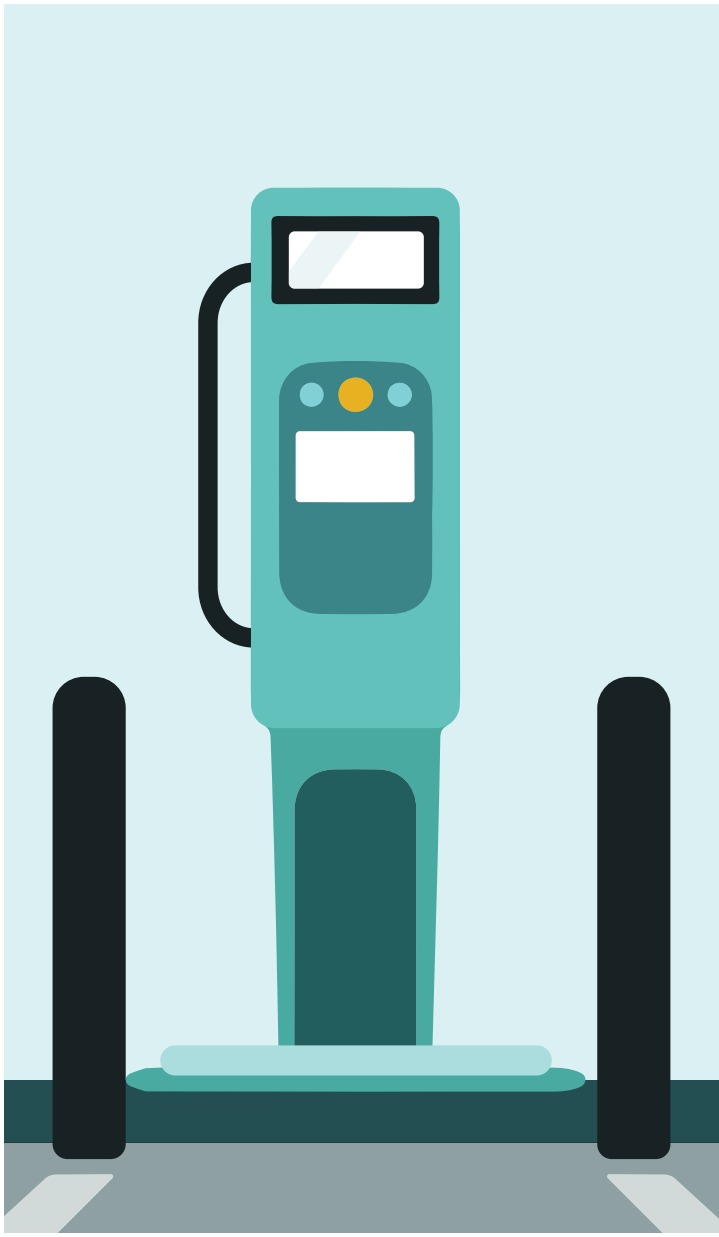
CLOSE OUT

We'll conduct a final walkthrough to close out the project

Ongoing Charging Station Management

There are a variety of items to consider before you install charging to ensure your installation is successful, ranging from how to maximize accessibility to how to ensure drivers know charging is available at your site. While designing your site, think about and discuss the following items with your DLC EV Specialist and your charging station vendor:

- **Accessibility:** Ensure your station setup complies with ADA and other local requirements.
- **Mounting:** Charging station units can be mounted on walls or pedestals.
- **Collision Protection:** Protect your charging station with curbs, wheel stops, bollards, and/or setbacks.
- **Cord Management:** Ensure cords can reach vehicles and don't interfere with pedestrian traffic.
- **Signage:** Mark EV parking stalls clearly with pavement markings and visible signage.
- **Security:** Use preventative strategies to avoid vandalism (motion detectors, security lighting, etc.).
- **Fee vs. Free:** Choose if and how you'd like to charge a fee for station users (flat fee, hourly rate, per kWh, etc.).
- **Promotion:** Ensure your customers and tenants are aware charging is available.



Other Available Financial Incentives

Your DLC EV Specialist will help you determine if your project is eligible for any added federal, state, or local funding and help you apply for that funding. The following and other funding may be available to you:

Organization	Funding Details
Duquesne Light Company	Qualified projects serving disadvantaged communities in Environmental Justice Areas may be eligible for a DLC rebate of up to $5,000 per dual-port Level 2 charging station. Talk with your DLC EV Specialist to learn more.
Driving PA Forward	The Pennsylvania Department of Environmental Protection's Driving PA Forward program supplies rebates of up to 50-80% of Level 2 EV charging equipment depending on the property type and use case.
Alternative Fuels Incentive Grant	The Pennsylvania Department of Environmental Protection's Alternative Fuels Incentive Grant supplies grant funding for certain alternative refueling projects, including electric vehicle charging.

Glossary of Terms

To help as you communicate with DLC, contractors, and vendors, below are many of the common terms and acronyms used to discuss charging station installation projects and their meanings.

AMPERAGE

A measure of the flow of electrical charge.

BEV

Battery electric vehicle, a vehicle fully powered by a plug-in battery electric motor.

EV

Electric vehicle.

EV DEMAND

The amount of power supplied to EVs during charging.

EVSE

Electric vehicle supply equipment, also known as charging station equipment or hardware.

KWH

Kilowatt-hour, the unit of measure for electrical energy.

METER

A DLC device that records the amount of power flowing through a circuit.

NETWORK

Charging station service that allows charging station hardware to remotely connect to a vendor's network giving the charging station host access to online management tools and usage analytics.

PHEV

Plug-in hybrid electric vehicle, a vehicle powered by a plug-in battery electric motor and a gasoline engine.

ROM

Rough order of magnitude, an estimation of a project's level of effort and cost to complete.

ROW

Right-of-Way, a type of easement that allows another party to access and use your property as set forth in an agreement.

VOLTAGE

Electrical pressure from an electrical circuit's power source.

Contact Us

Duquesne Light Company

www.DuquesneLight.com/CommunityCharging

ElectricVehicles@DuqLight.com