



**RESILIENT
DANVERS**
Our Pathway to a Sustainable Future



Town of Danvers – Danvers Electric Public Access Level 2 EV Charging Project

August 7, 2024



Today's Agenda

- Danvers Electric Overview
- Town of Danvers Existing EV Charging Conditions and Needs
- Site Selection
- Equipment Selection
- Funding Methods – MassEVIP Public Access Charging Grant Program – Danvers Electric
- Procurement and Project Implementation
- Ongoing Maintenance and Operation
- Encouraging EV Adoption



Danvers Electric Overview

- Municipal Electric – Town of Danvers maintains and operates electric lines, public lighting, traffic lights, substations, and electrical equipment
- Provide safe, reliable, and affordable electric service to over 13,500 homes and businesses in the Town of Danvers
- Manage Power Supply for Danvers Electric
- Operate Energy Efficiency and Conservation Programs
- Promote and Encourage electrification efforts – Public Access and Workplace EV charging, heat pumps, battery storage, etc



Town of Danvers Existing EV Charging Conditions & Needs



- Existing Public Access EV Charging

Level 2: 5 Stations – 9 ports municipal public access parking (12 kw per port)

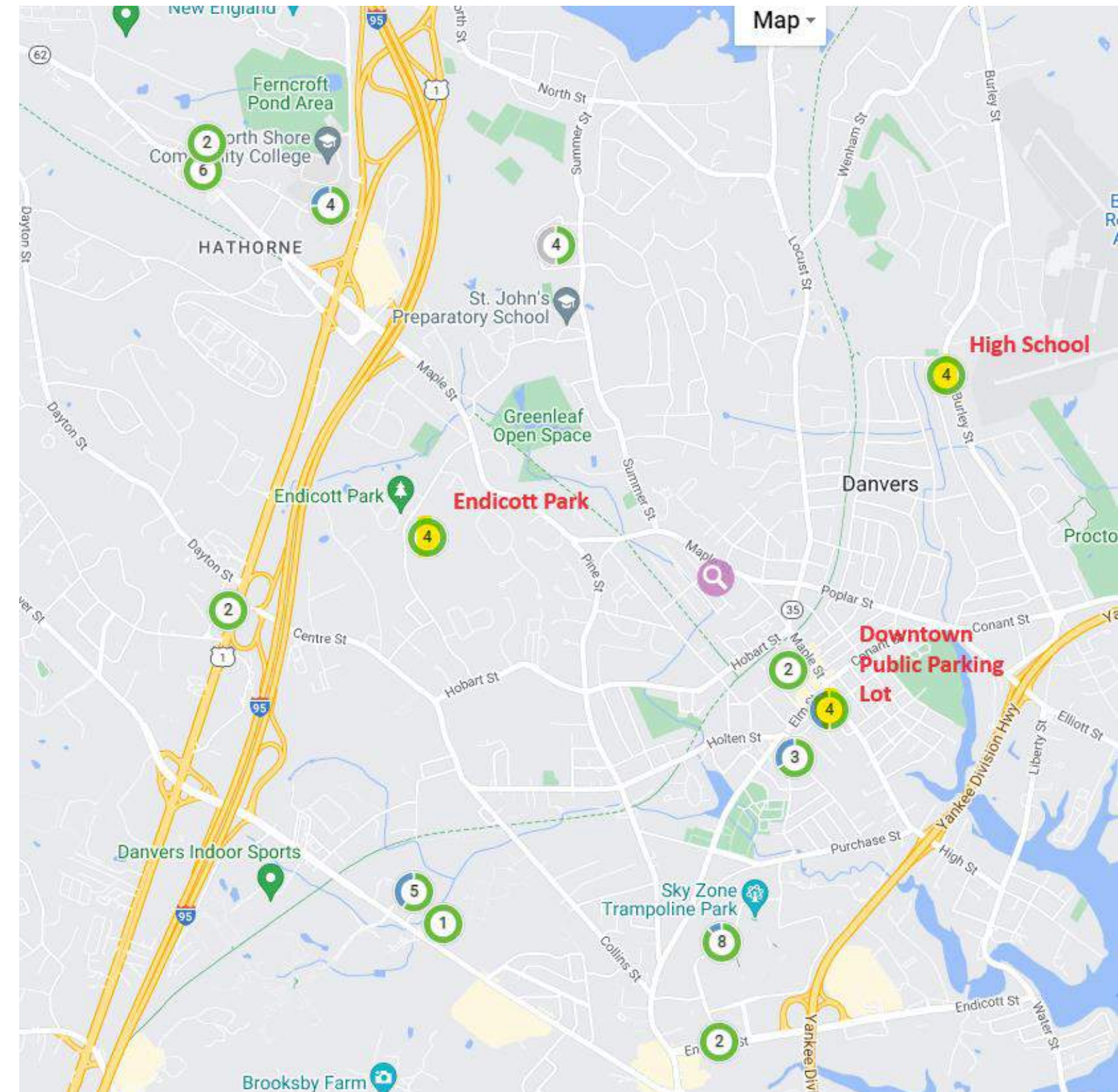
Level 3: 1 Site - 12 Tesla ports (up to 250 kw)

- Expand Access to recreation areas and one central downtown location
- Danvers Drives Electric – Public EV engagement, survey, MOR-EV program data



Site Selection

- Public Access – Parks, Downtown, Recreation
- **Endicott Park**
- **Downtown Public Parking**
- **High School** – Adjacent to tennis courts and multi-use athletic fields
- Determine optimal charging station placement
 - Enough parking spaces to meet MassEVIP accessibility requirements
- Electric Interconnection siting considerations – new or existing service
 - Proximity to transformers
 - Conduit and trenching
 - Public Works coordination
 - Abutter notice





Equipment Selection

- Several Commercial Options
 - Flo, ChargePoint, Autel
- Network Fees
- Station Management
- Charging Output
- ChargePoint Selected to build out existing network of stations





Funding Methods – MassEVIP Public Access Charging Grant Program (DE)

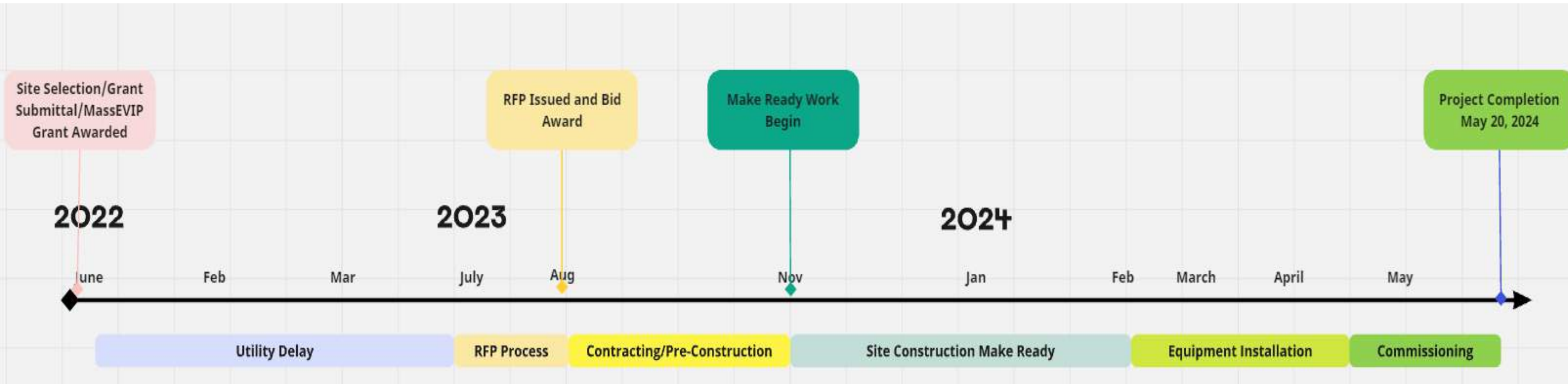
The MassEVIP Public Access Charging Program provides incentives for property owners or managers with publicly accessible parking to acquire and install Level 1 and Level 2 EV charging stations. Non-residential locations with publicly accessible parking are eligible.

- Government-owned locations: MassDEP funds up to 100 percent of the hardware and installation costs to a maximum of \$50,000 per street address.
- 3 Locations – 6 total dual-port stations
- \$150,000 grant award



Procurement and Project Implementation

- Request for Proposals (RFP) required
- Coviello Electric awarded bid
- Delays due to transformer constraints and materials lead times (meter sockets, cabinets, transformers)



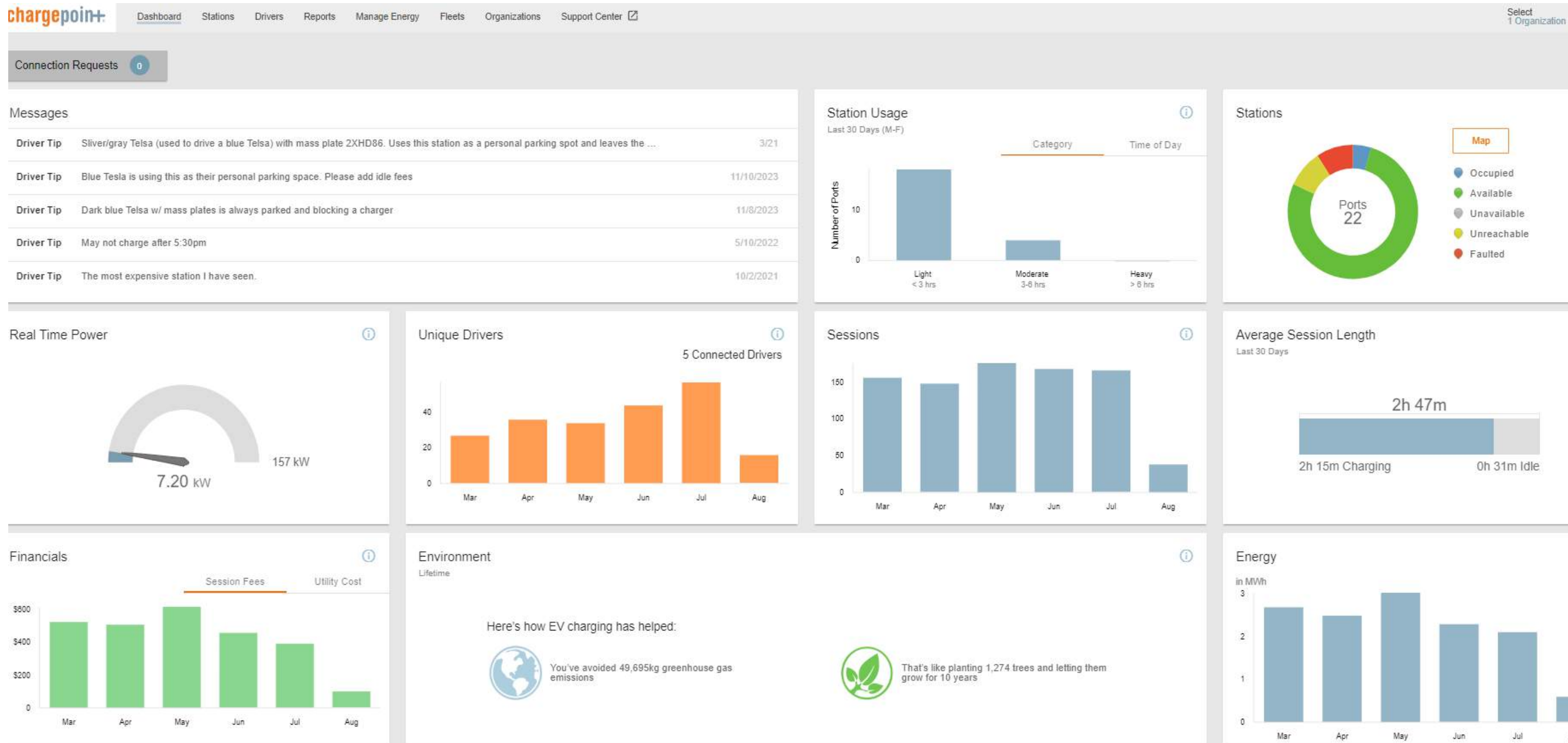


Ongoing Maintenance & Operation

- Staff to support routine maintenance
- Point of contact for reported outages and network issues
- Billing and Revenue Support
- Pricing policies (public rate/employee rate)
- Vegetation plan and access management



Ongoing Maintenance & Operation





Completed EV Charging Locations Endicott Park Public Parking





Completed EV Charging Locations High School Tennis Courts Parking Lot





Completed EV Charging Locations Elm St. Downtown Public Parking





Encouraging EV Adoption in Danvers

Meet the Transportation goal of the Climate Action, Sustainability, Preservation, and Resiliency Plan making Danvers an EV-Ready and Friendly Community

- Create an EV charger incentive and technical assistance program
 - Adopt a Fuel-Efficient Vehicle Policy for all municipal departments and the school district and develop a plan for transitioning vehicles, per Green Communities Criterion 4.
 - Leverage municipal utility to facilitate installation of electric school bus and municipal vehicle charging infrastructure.
- Encourage EV adoption through Danvers Drives Electric
 - Expand municipal electric rebates to vehicle (BEV and plug-in hybrid) rebates (future opportunity)
 - Residential EV Charging Time of Use Rate (CY25)
 - EV School Bus Pilot Program (CY25)



Additional Information

Danvers Climate Action, Sustainability, Preservation and Resiliency

Dashboard - <https://resilient.danversma.gov/>

MassEVIP Public Access Charging Incentives -

<https://www.mass.gov/how-to/apply-for-massevip-public-access-charging-incentives>

Massachusetts MOR-EV Rebate Program - <https://mor-ev.org/>

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