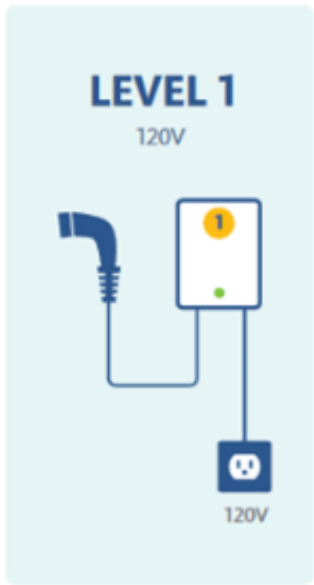




Maine's Electric Vehicle Charging Initiatives

Progress Report as of November 2024



LEVEL 1

120V

120V

USAGE



HOME

CHARGE TIME

Adds 5 miles per hour of charge*

Charge from 20-80% in 20+ hours

TYPICAL COSTS

per port**

Equipment: \$0 to \$200

Installation: \$0



LEVEL 2

240V

240V

USAGE



HOME

COMMERCIAL

CHARGE TIME

Adds 25 miles per hour of charge*

Charge from 20-80% in 7 hours

TYPICAL COSTS

per port**

Equipment (networked): \$1,800 to \$7,000

Equipment (non-networked): \$600 to \$4,500

Installation: \$500 to \$10,000



LEVEL 3

480V

DC Fast Charge

480V

USAGE



COMMERCIAL

CHARGE TIME

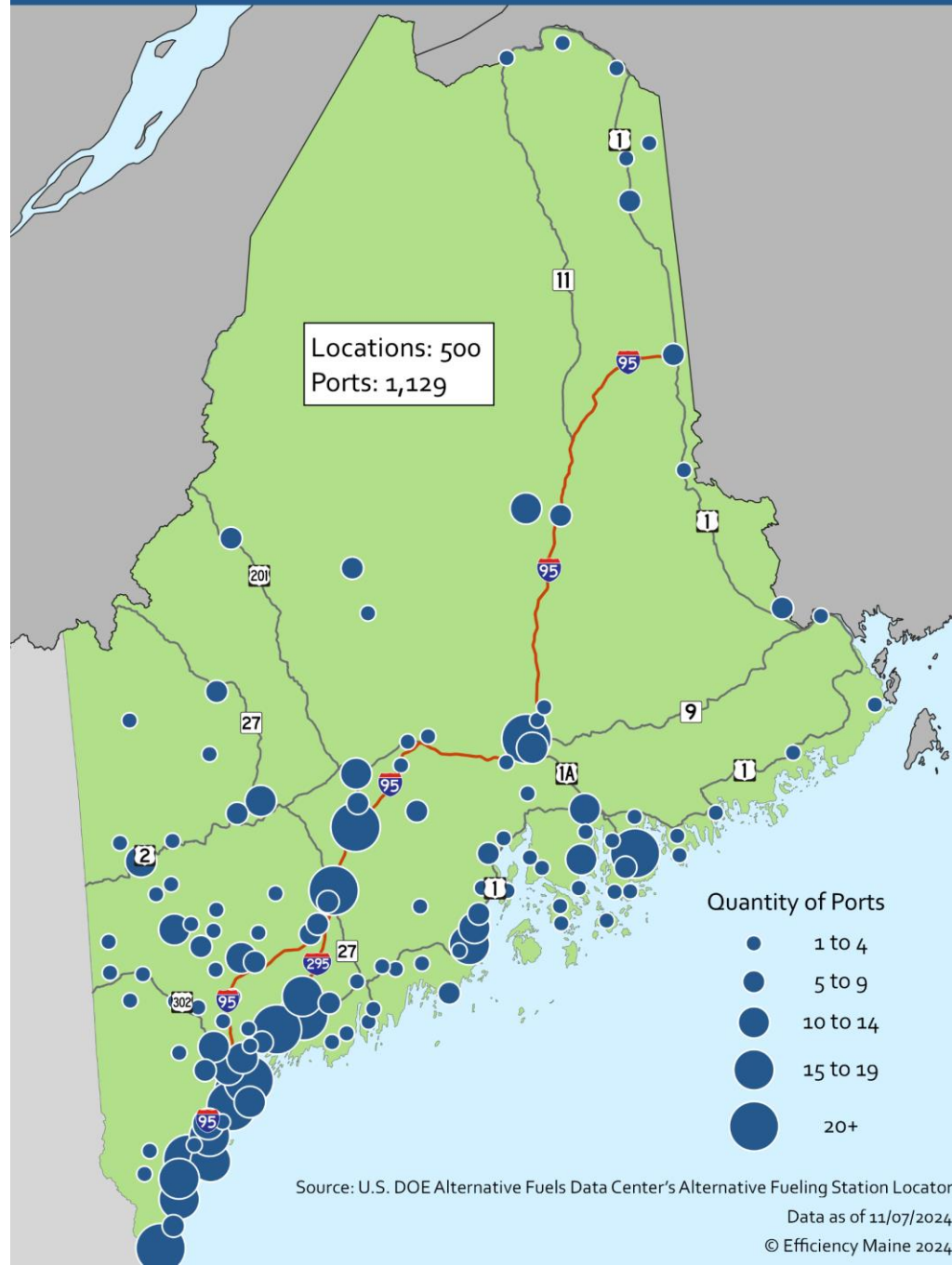
Adds 100-200+ miles per 30 minutes of charge*

Charge from 20-80% in 15-30 minutes

TYPICAL COSTS

per port**

Varies by site and type of equipment. Can exceed \$100,000 per port.



Source: U.S. DOE Alternative Fuels Data Center's Alternative Fueling Station Locator

Data as of 11/07/2024

© Efficiency Maine 2024

Recharge Maine Introduction

- Statewide initiative to expand availability of charging infrastructure for electric vehicles (EVs) on Maine's highways and within communities
- Assembled in 2022
- Includes MaineDOT, Efficiency Maine, GOPIF, GEO, and MaineDEP
- Guided by strategies and priorities outlined in Maine's Plan for EV Infrastructure Deployment



Maine's Plan for EV Infrastructure Deployment



MaineDOT

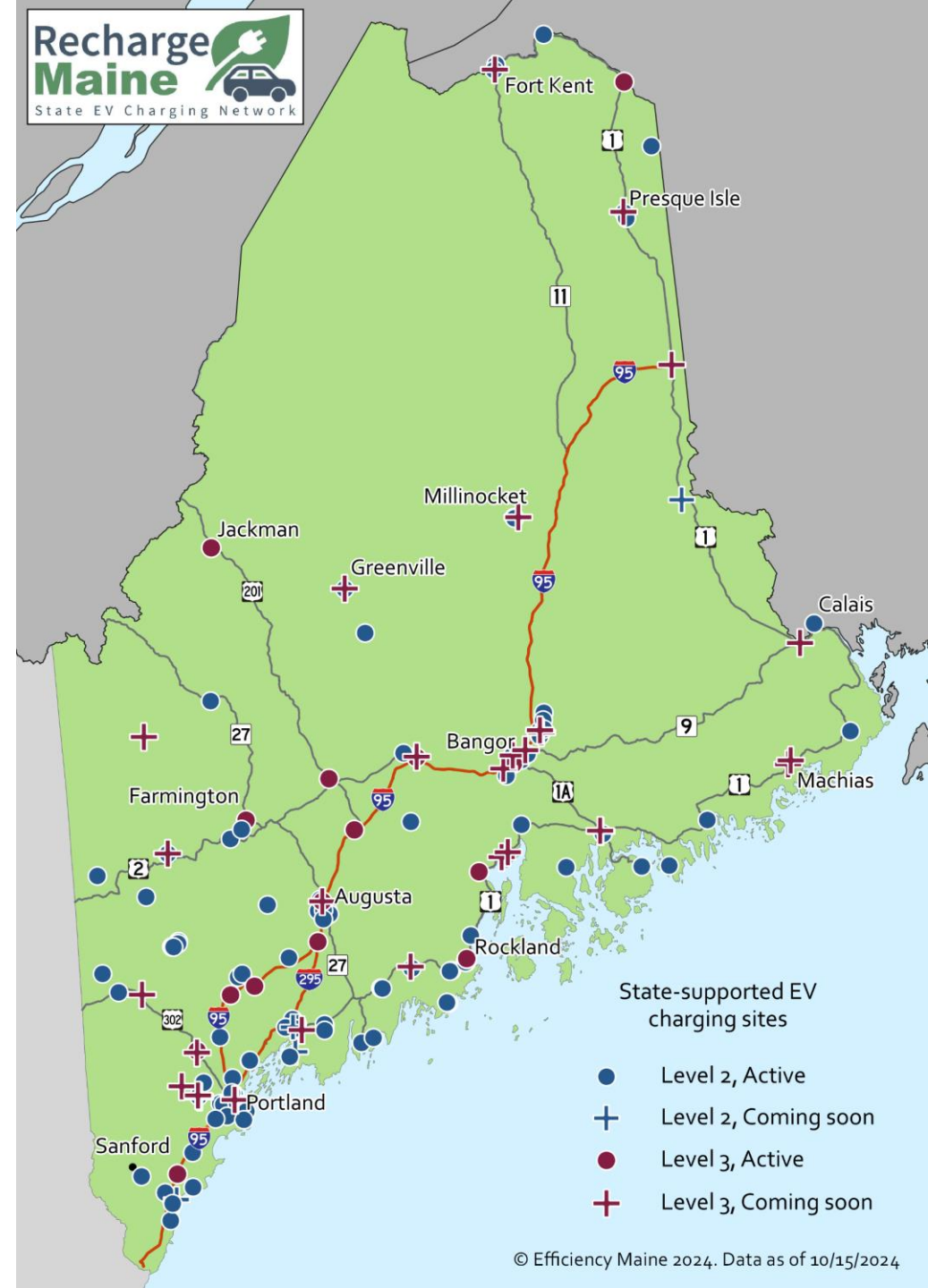
**MAINE'S UPDATED PLAN
FOR ELECTRIC VEHICLE (EV)
INFRASTRUCTURE DEPLOYMENT
(MAINE'S NEVI PLAN)**

*Submitted to Federal Highway
Administration September 2024*

- Published in July 2022
- Updated annually
- Strategies for level 2 and level 3 charging
- Includes several federal funding sources
 - National Electric Vehicle Infrastructure (NEVI)
 - Charging and Fueling Infrastructure (CFI)
 - Maine Jobs and Recovery Plan (MJRP)

Active and Awarded Level 2 and Level 3 Chargers

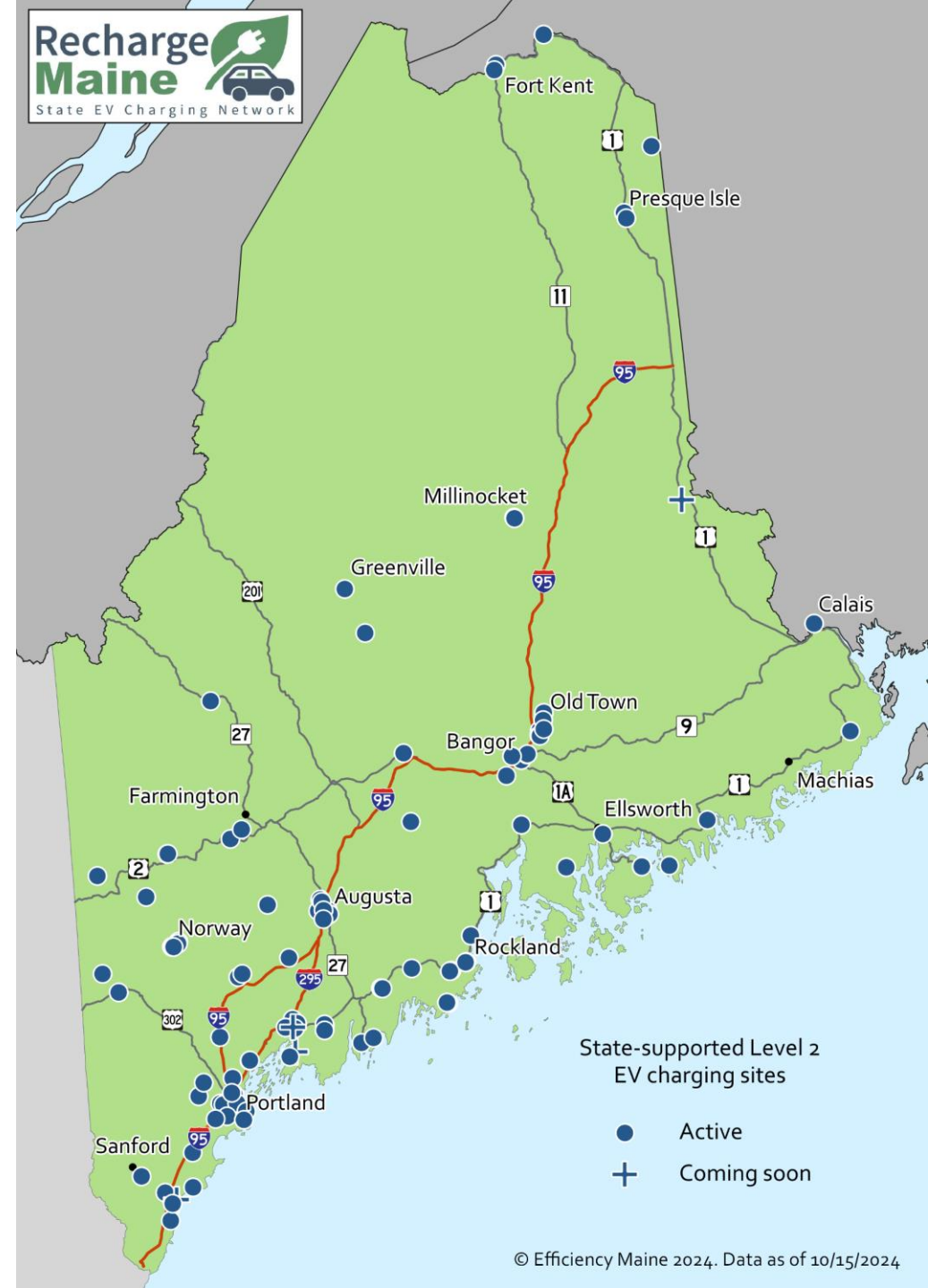
- 154 sites
 - 126 active
 - 28 coming soon



Progress to Date – Level 2 Chargers

Active and Awarded

- 113 sites
 - 110 active
 - 3 coming soon

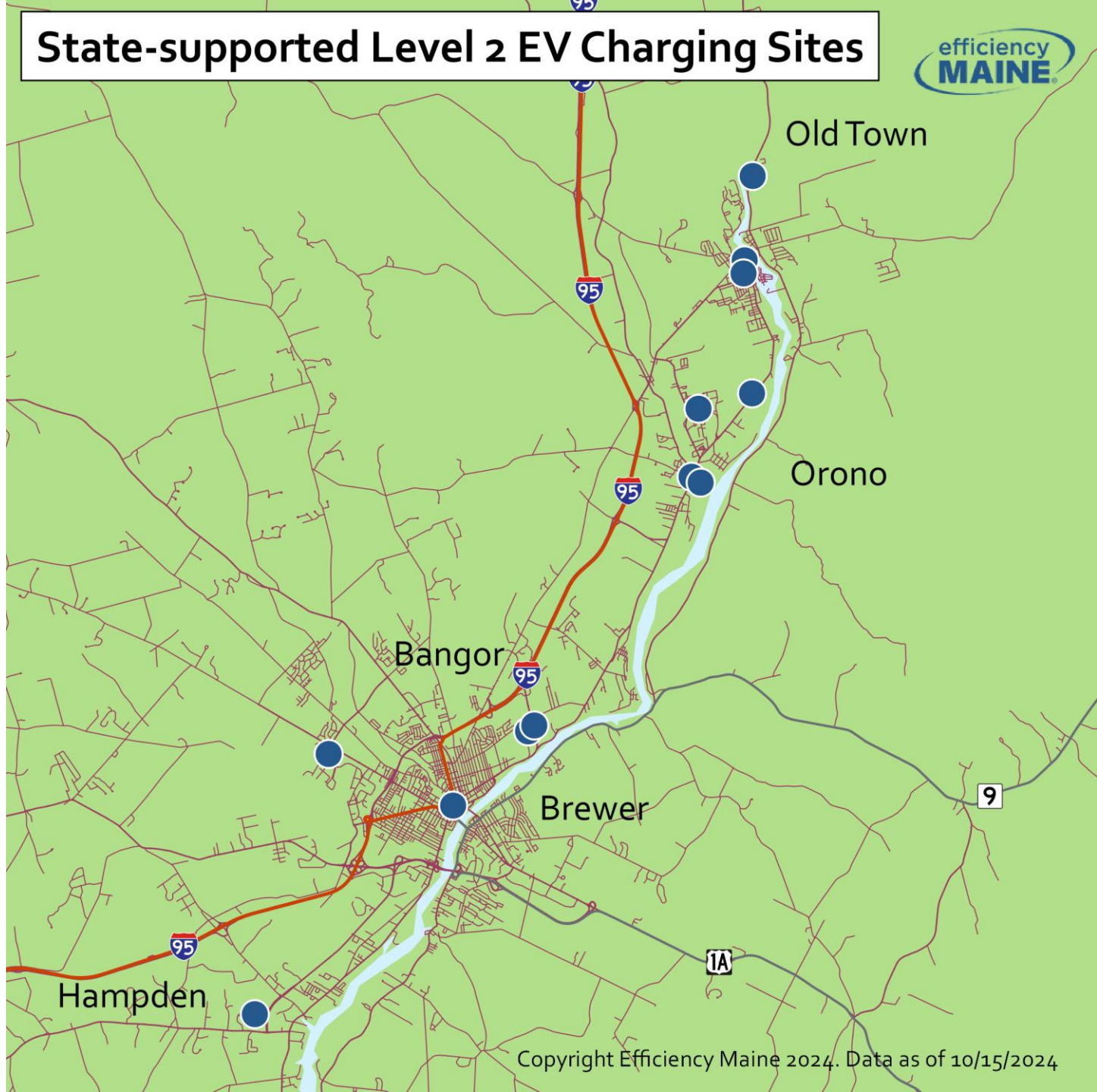


State-supported Level 2 EV Charging Sites



Bangor area

- 12 active sites

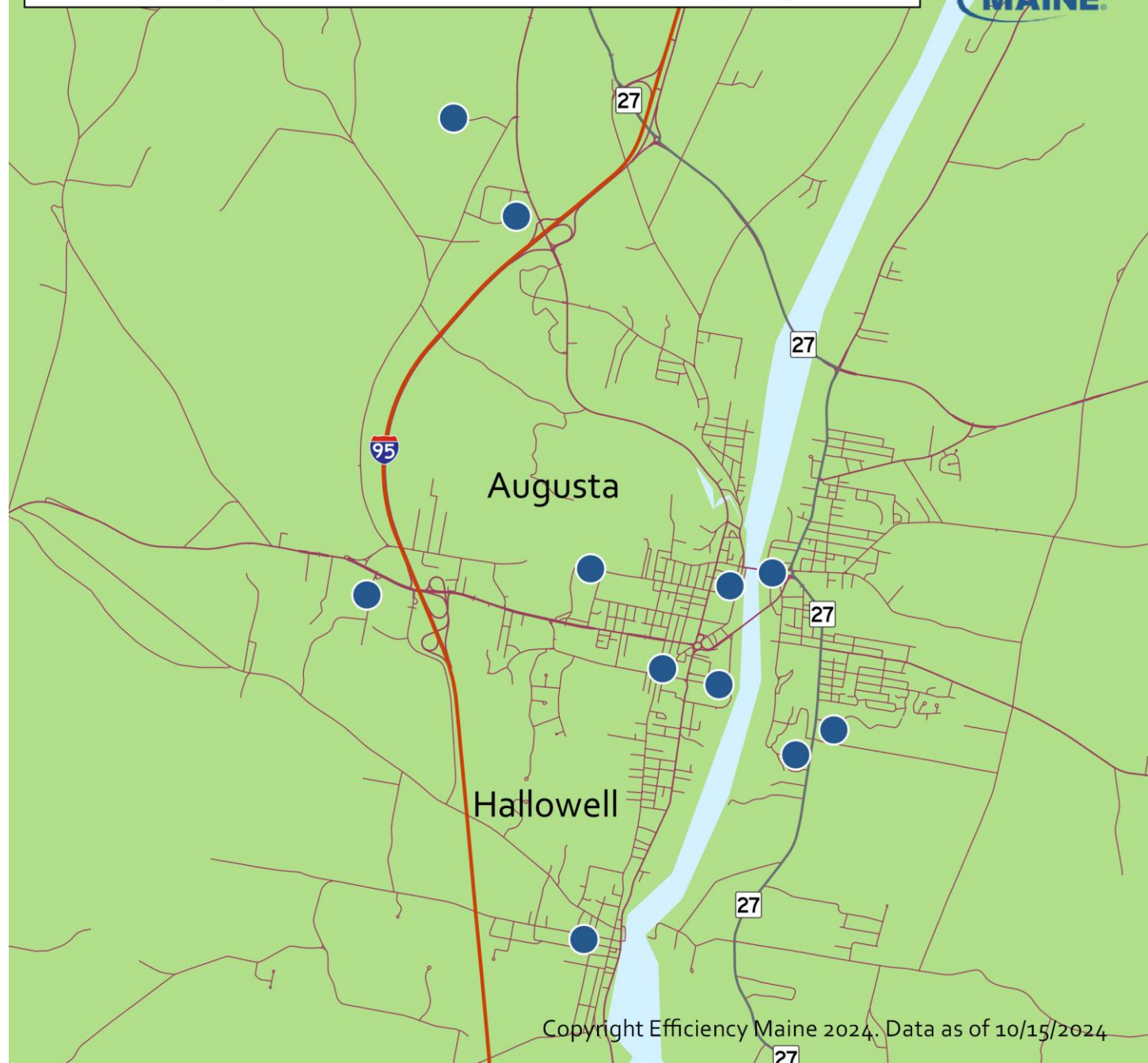


State-supported Level 2 EV Charging Sites



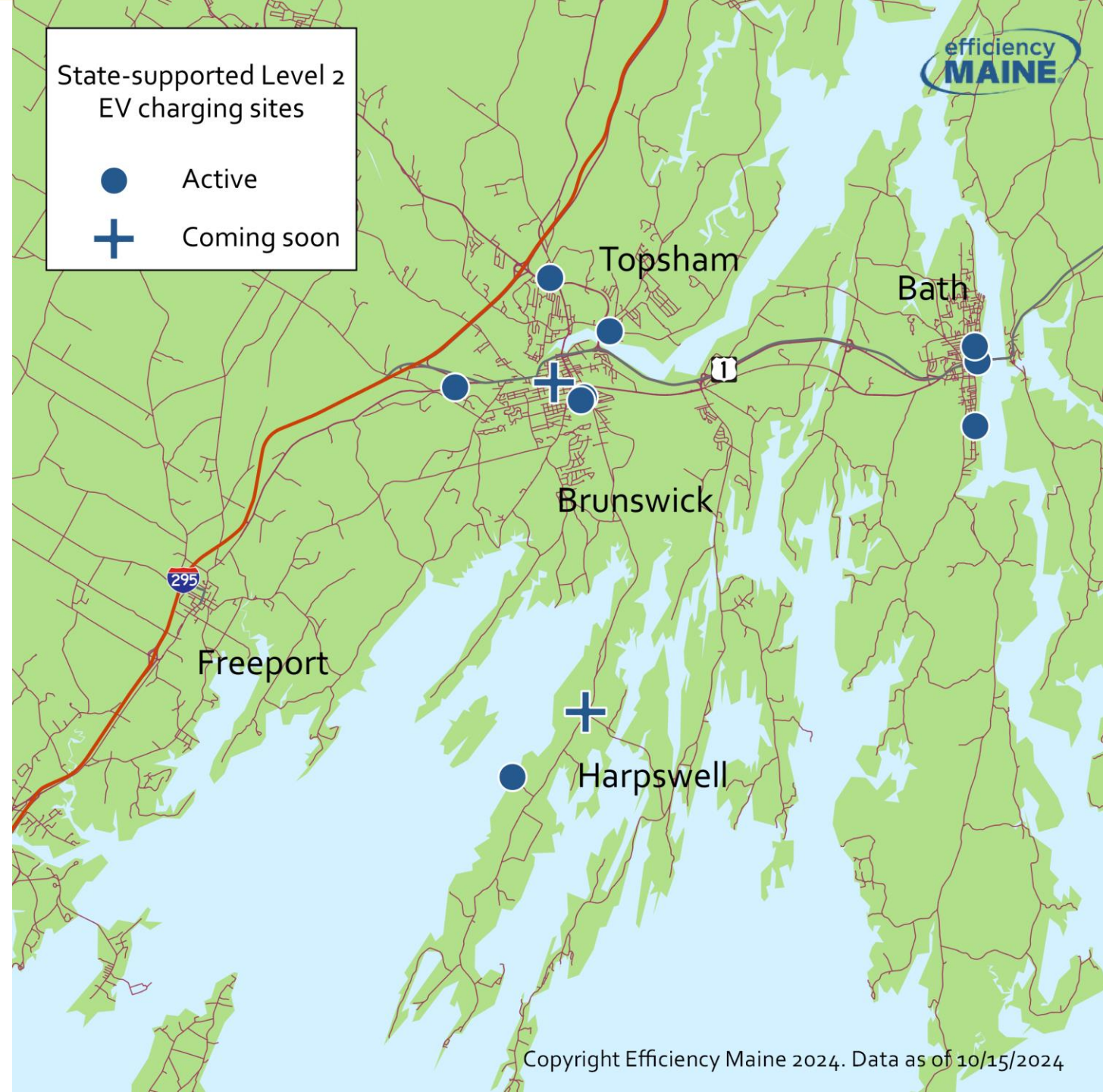
Augusta area

- 11 active sites



Brunswick area

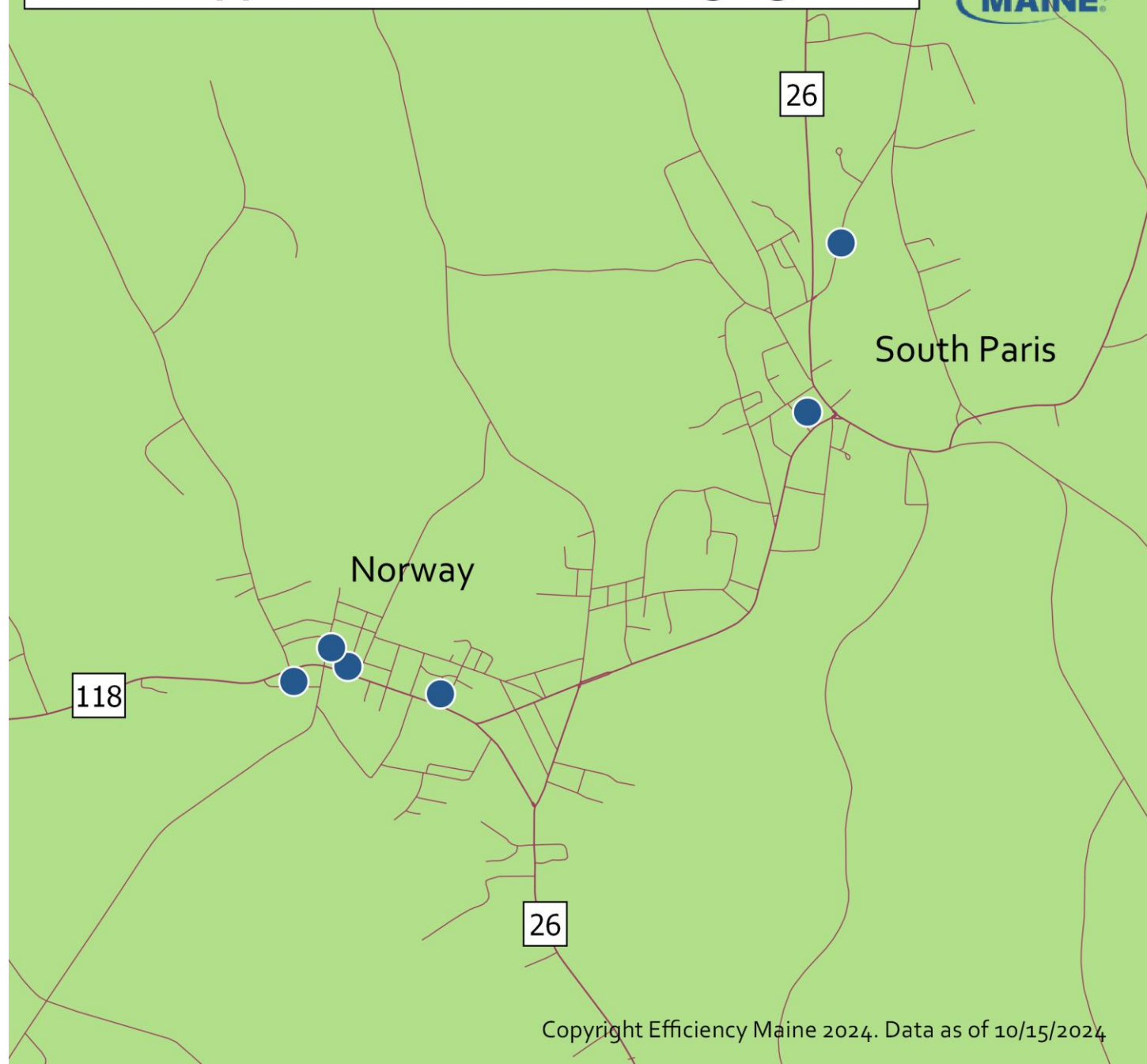
- 11 sites
 - 9 active
 - 2 coming soon



State-supported Level 2 EV Charging Sites

Norway area

- 6 active sites



Southern Maine

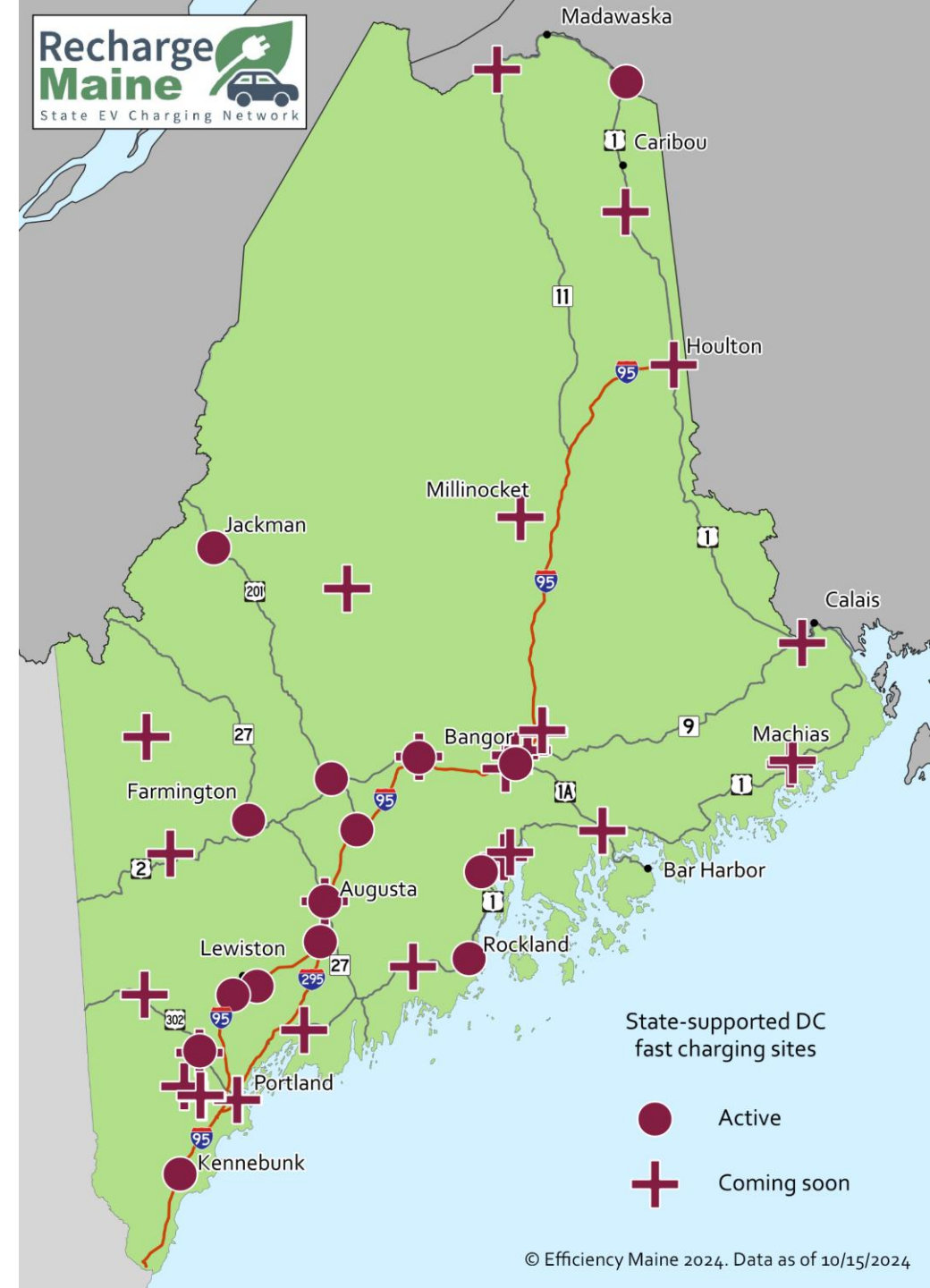
- 7 sites
 - 6 active
 - 1 coming soon



Progress to Date – Level 3 Chargers

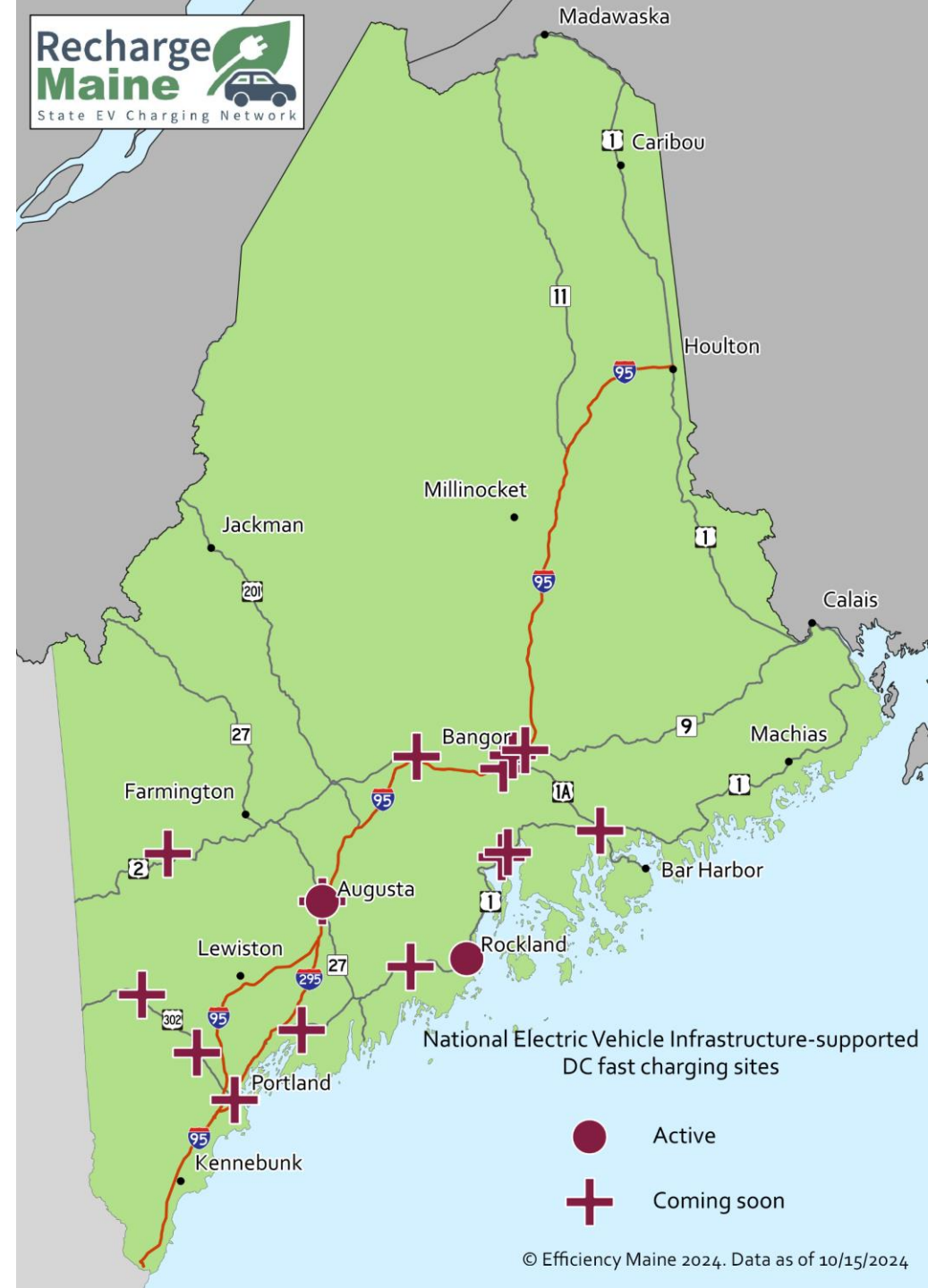
Active and Awarded Level 3 Chargers

- 41 sites
 - 16 active
 - 25 coming soon



National Electric Vehicle Infrastructure-supported DC fast charging sites

- 14 sites
 - 2 active
 - 12 coming soon





Plans for the Future

Charging and Fueling Infrastructure (CFI) Funds

- On January 11, 2024, the Federal Highway Administration (FHWA) awarded Maine \$15 million through its [CFI Discretionary Grant Program](#) to continue building out its EV charging network along highways and within communities.
- Planning for:
 - 520 level 2 ports at 115 sites (multifamily buildings, large workplaces, community locations, and regional service centers)
 - 34 level 3 ports at 11 sites (cities with high number of multifamily buildings)
 - 28 level 3 ports at seven sites along highways

Charging and Fueling Infrastructure (CFI) Funds

- Request for Proposals (RFPs) for Level 2 EV Chargers:
 - [EM-022-2024 Level 2 EV Chargers: Multifamily Buildings](#)
 - [EM-027-2024 Level 2 EV Chargers: Large Workplaces](#)
 - [EM-030-2024 Level 2 EV Chargers: Community Locations](#)
 - [EM-033-2024 Level 2 EV Chargers: Regional Service Centers](#)
- Rolling submission until December 13, 2024.