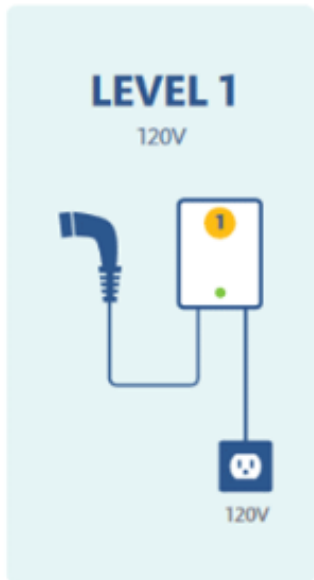




Maine's Electric Vehicle Charging Initiatives

Progress Report as of March 2024



LEVEL 1

120V

120V

USAGE



HOME

CHARGE TIME

Adds 5 miles per hour of charge*

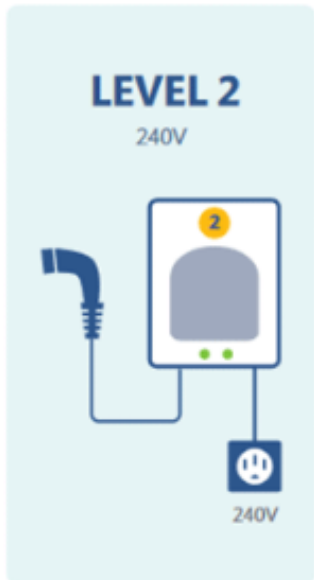
Charge from 20-80% in 20+ hours

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

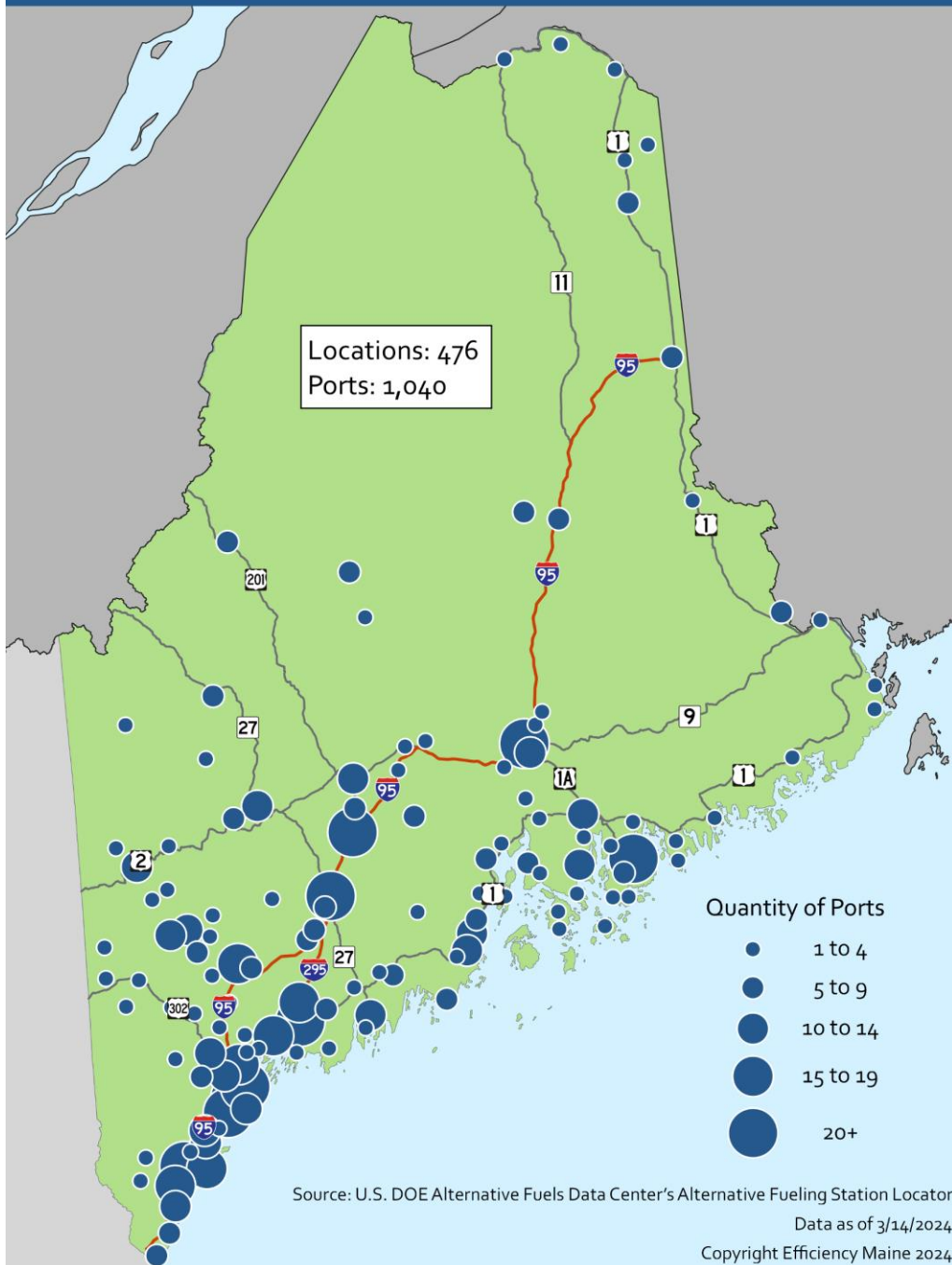
Adds 100-200+ miles per 30 minutes of charge*

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 3/14/2024

Copyright 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

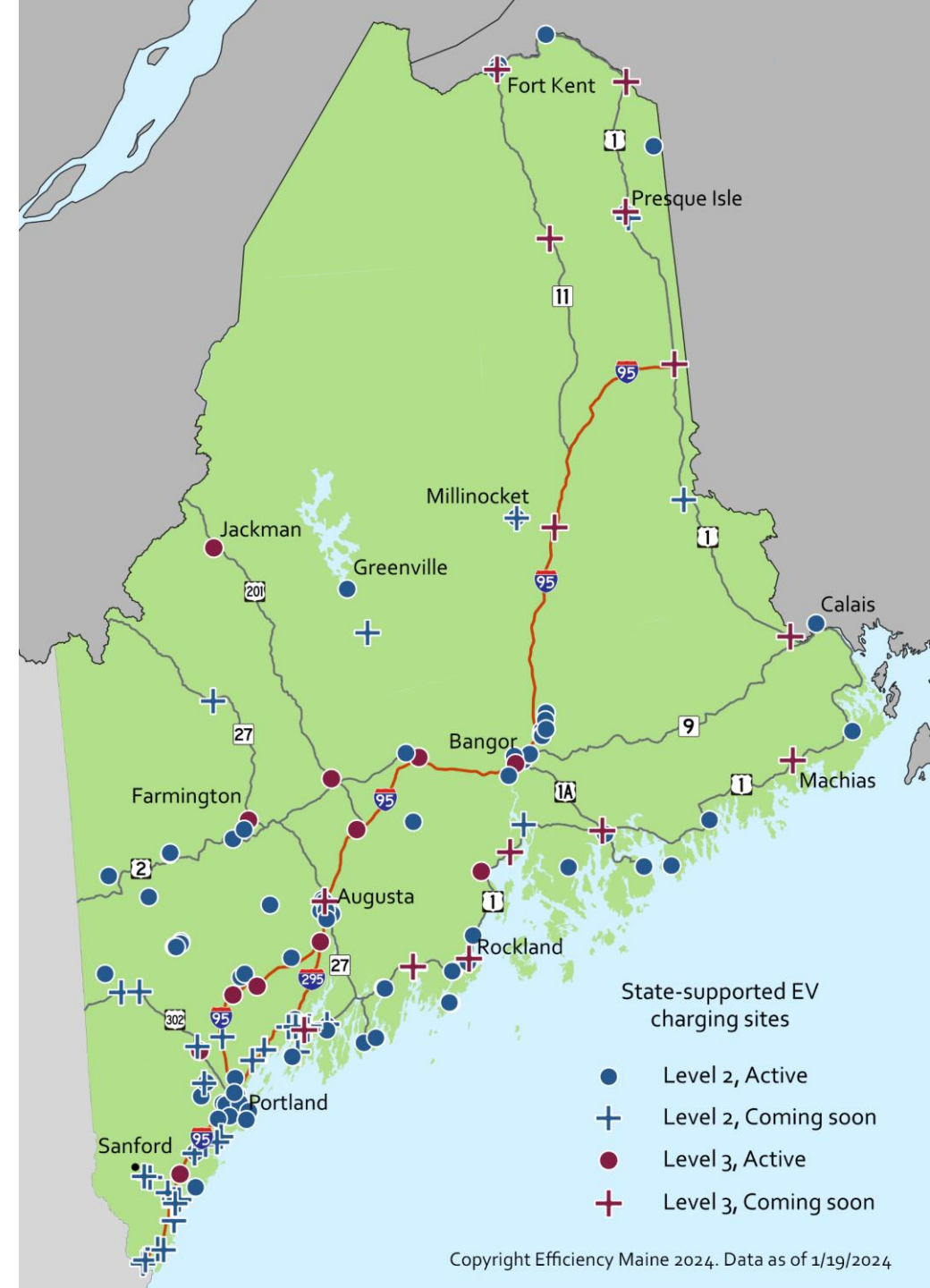
**MAINE'S UPDATED PLAN
FOR ELECTRIC VEHICLE (EV)
INFRASTRUCTURE DEPLOYMENT
(MAINE'S NEVI PLAN)**

*Submitted to Federal Highway
Administration August 2023*

- 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

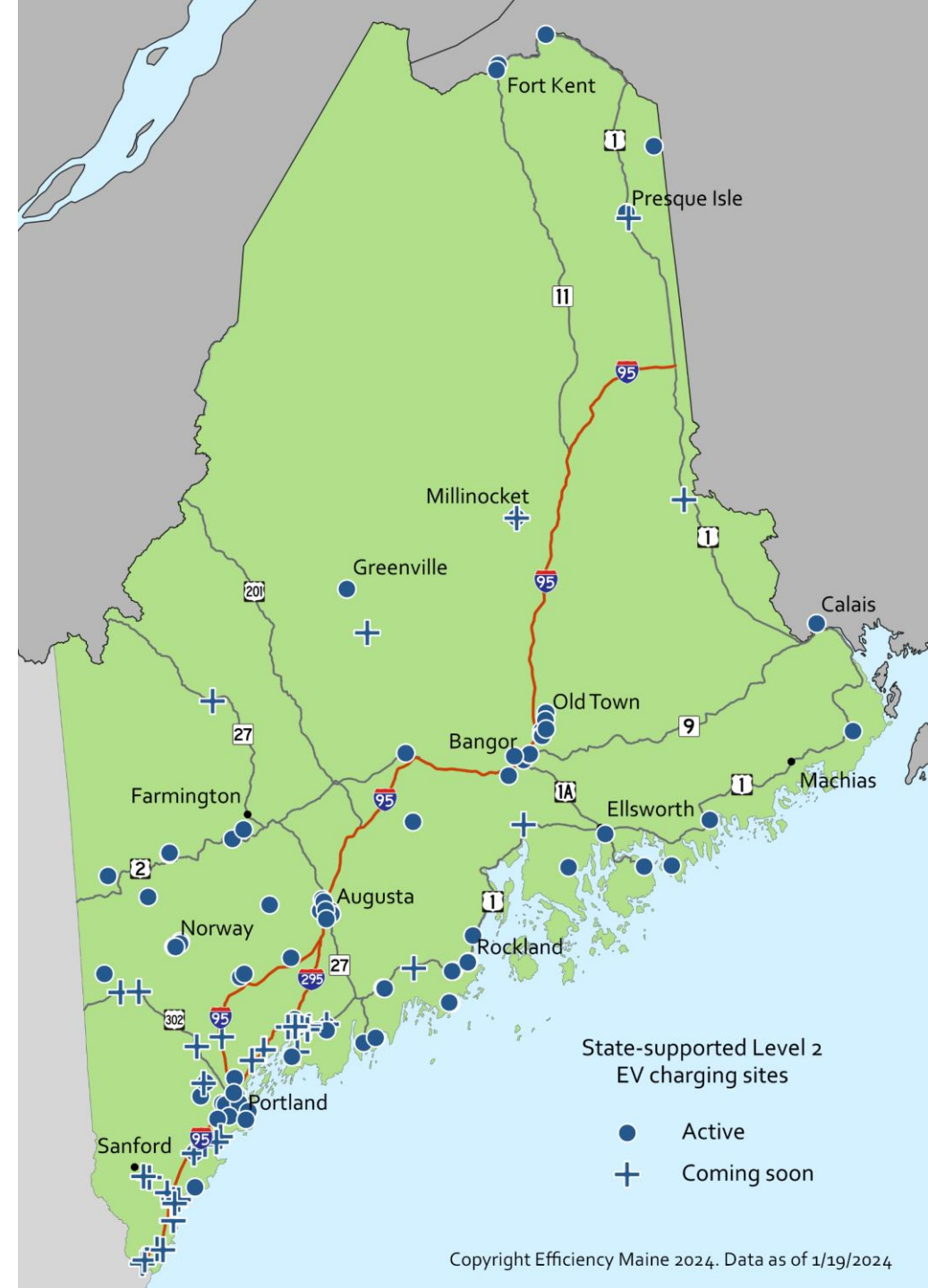
- 163 sites
 - 104 active
 - 59 coming soon



Progress to Date – Level 2 Chargers

Active and Awarded

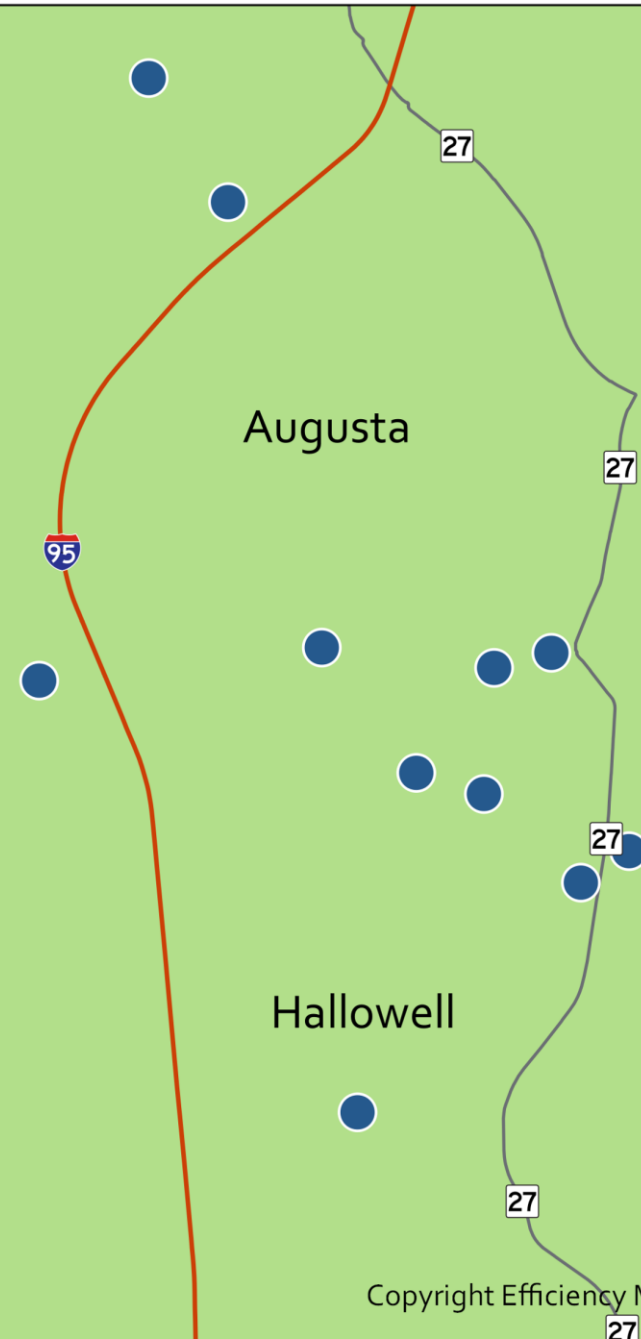
- 136 sites
 - 91 active
 - 45 coming soon



State-supported Level 2 EV Charging Sites

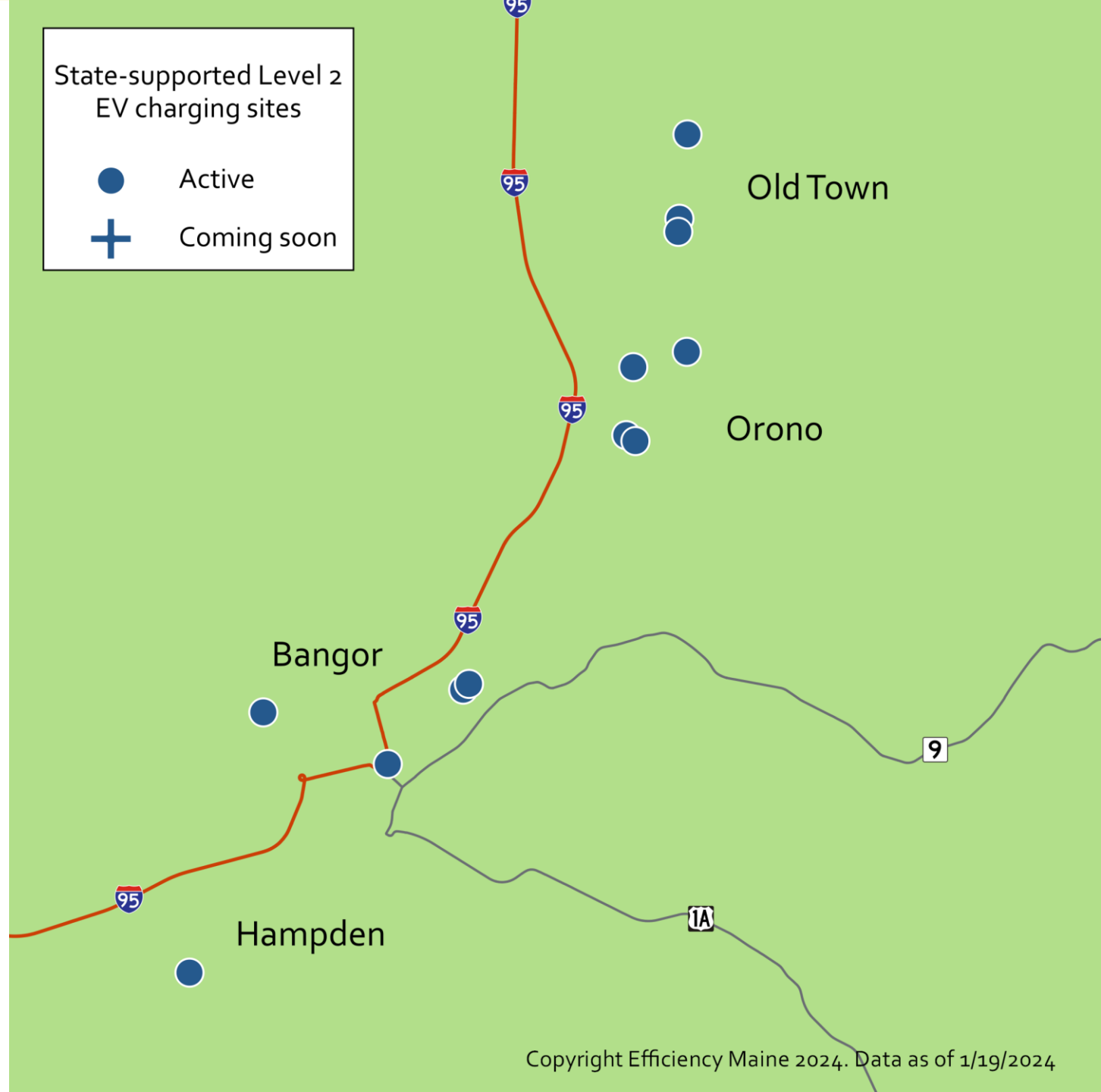
Augusta area

- 11 active sites



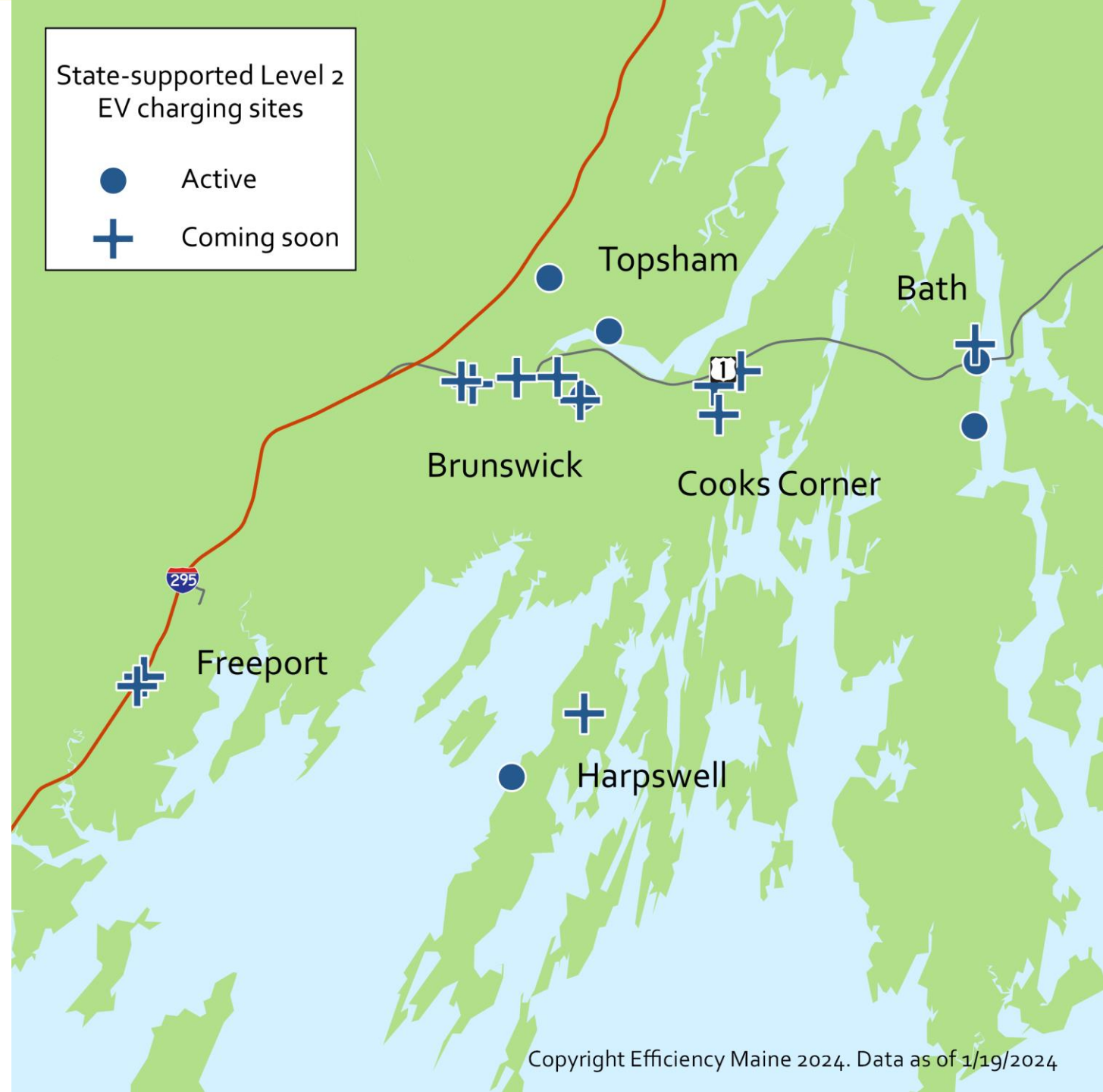
Bangor area

- 12 active sites

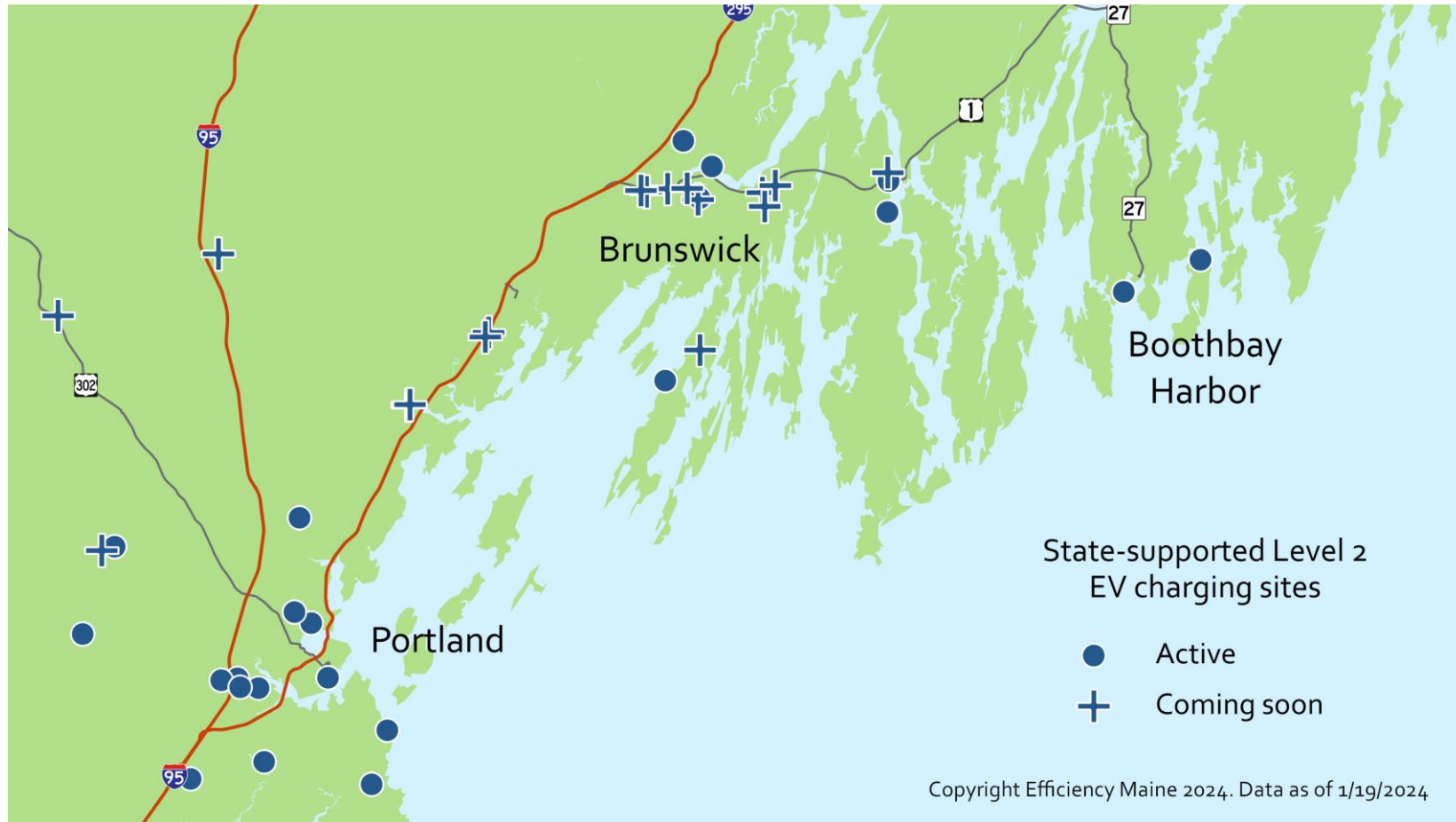


Brunswick area

- 18 sites
 - 6 active
 - 12 coming soon



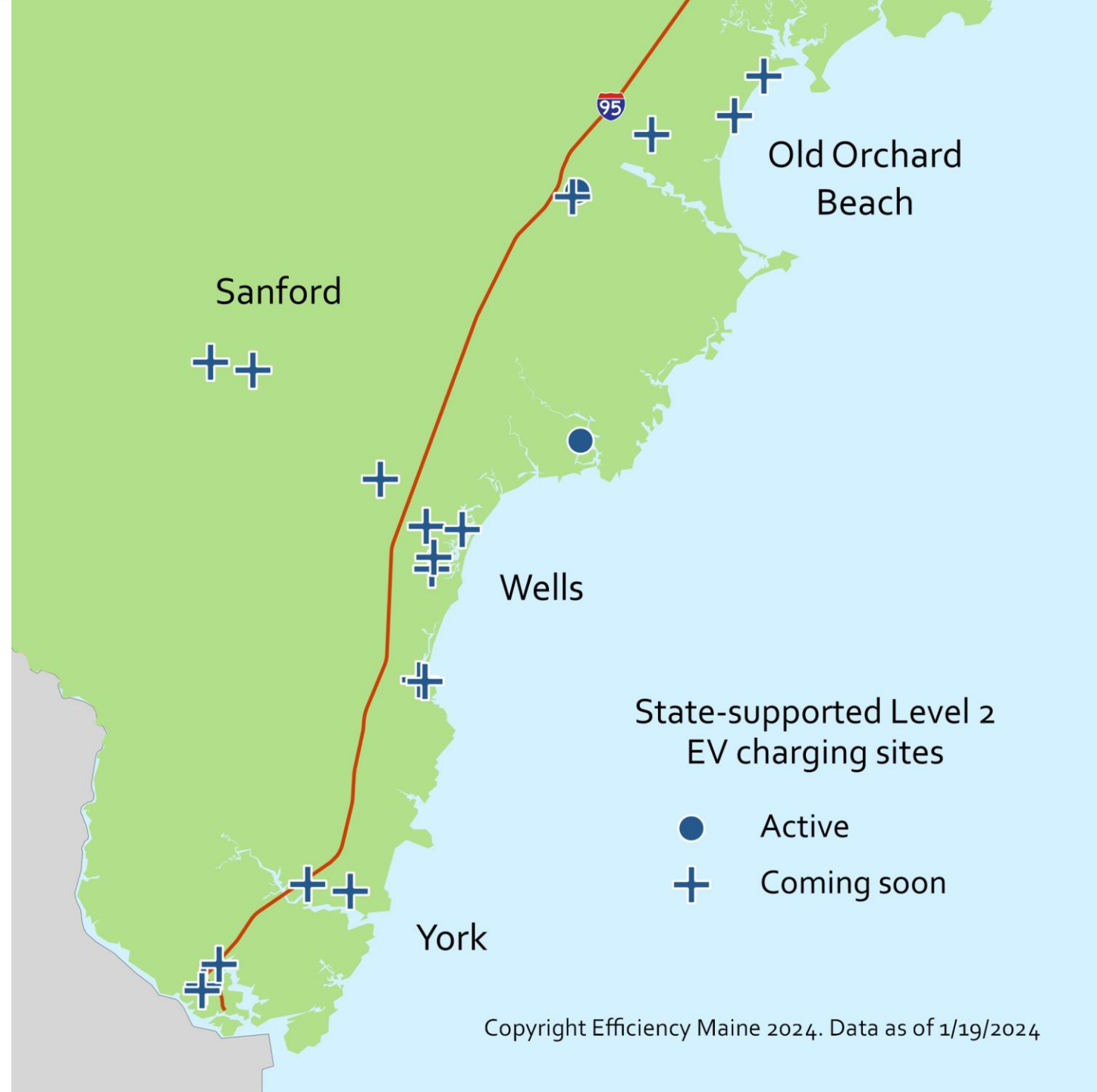
Portland to Boothbay



- 37 sites
 - 22 active
 - 15 coming soon

Southern Maine

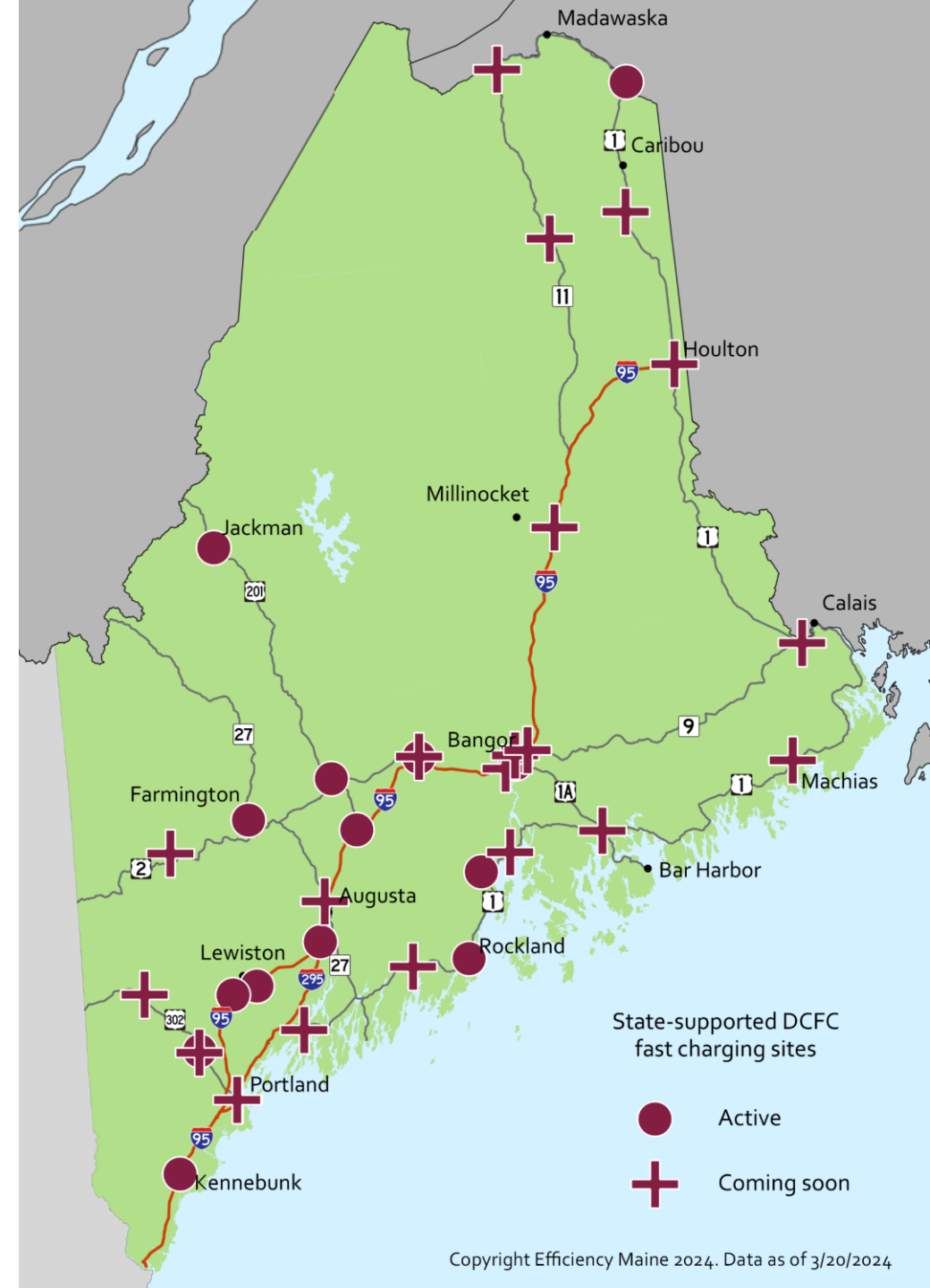
- 21 sites
 - 3 active
 - 18 coming soon



Progress to Date – Level 3 Chargers

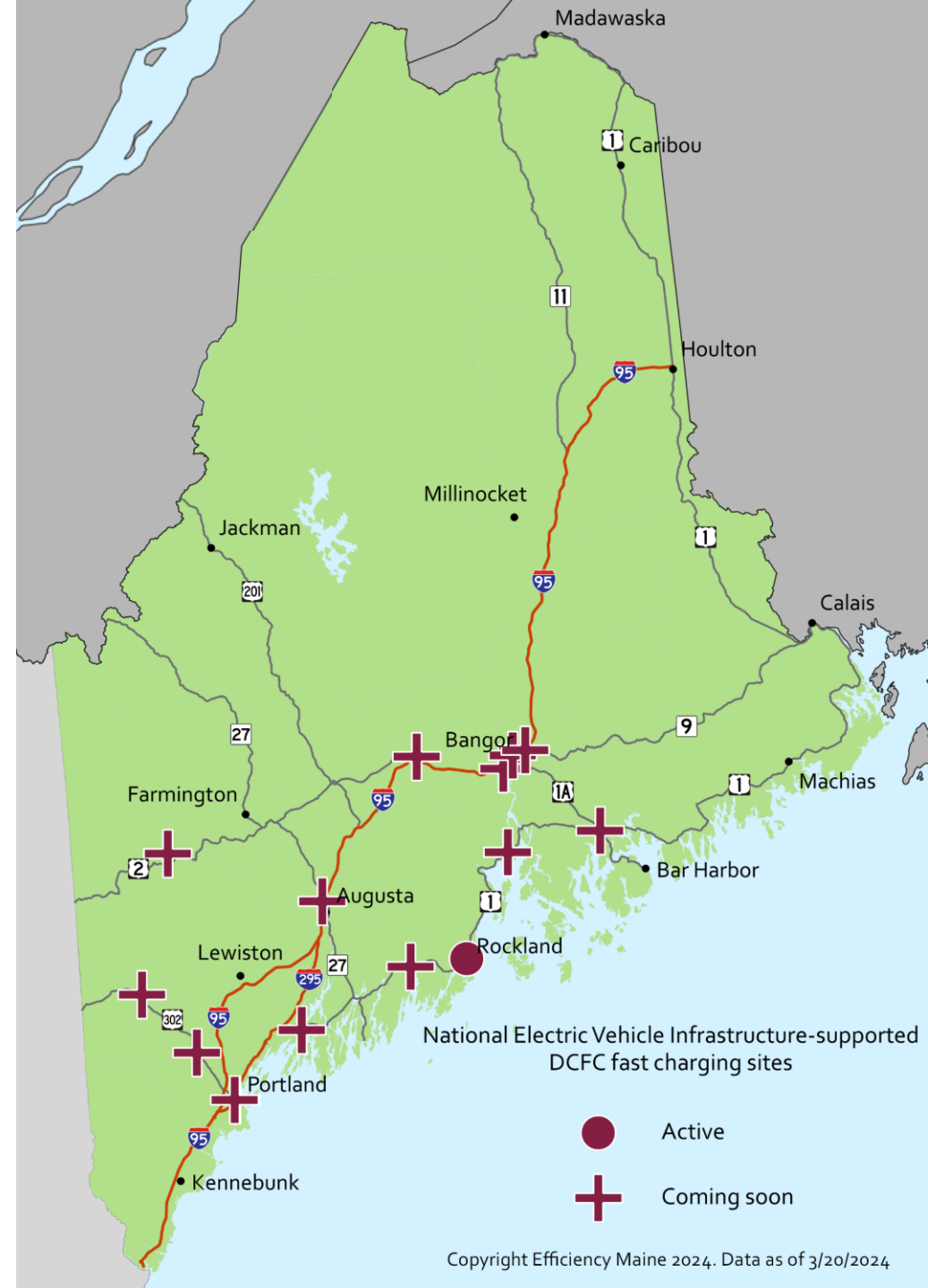
Active and Awarded Level 3 Chargers

- 36 sites
 - 15 active
 - 21 coming soon



National Electric Vehicle Infrastructure-supported DCFC fast charging sites

- 15 sites
 - 1 active
 - 14 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 (large workplaces, disadvantaged communities, multi-unit dwellings, rural service centers, etc.)
 - 34 level 3 ports at 11 sites (cities with high number of multi-unit dwellings)
 - 28 level 3 ports at seven sites along highways