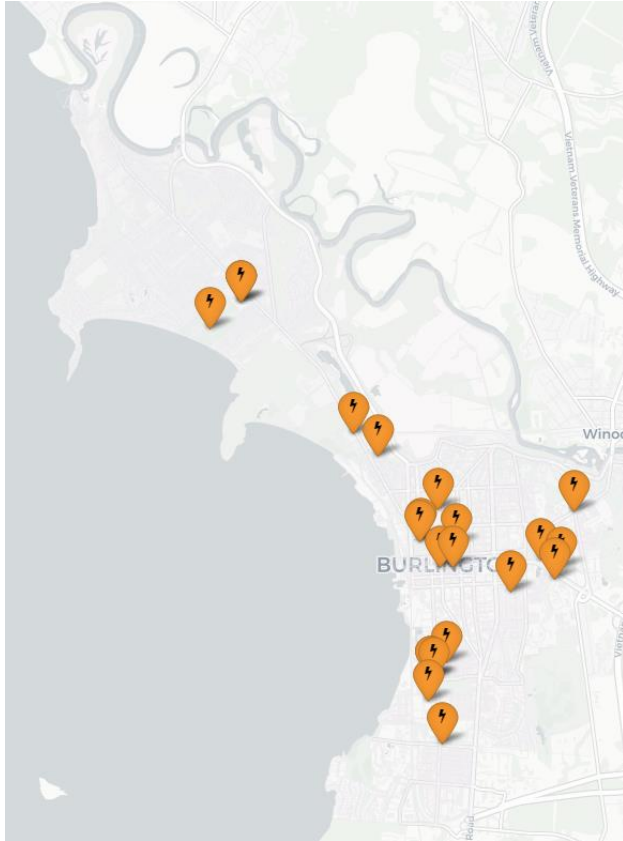




NET ZERO ENERGY

BURLINGTON VERMONT

Burlington's Current Public EV Charging Infrastructure – opportunistic deployment



Publicly owned by BED:

- Level 2: 23 stations / 39 ports
- DCFC: 1 station / 1 port
- Activated 2013-present

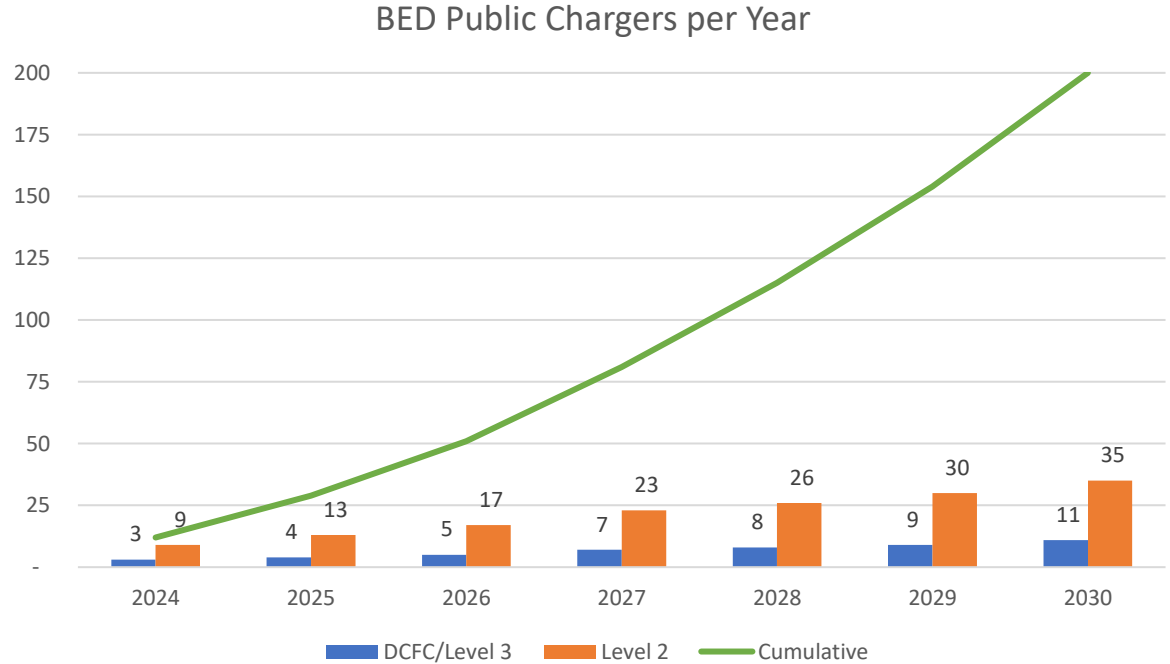
Privately owned:

- Level 2: 13 stations / 28 ports
- DCFC: 1 station / 1 port
- Activated 2019-present



Projected Public EV Charger Need, 2024-2030

- Current # of BTV EVs + 25% annual growth
- Solving for charger utilization of 50%
- ~80/20 split btw Level 2 and Level 3
- Level 2 split: 60/40 for Commercial vs. Residential
- Regression model informed by Random Forest



Site Selection Criteria

All Locations

- Site accessible to public
- Avoidance of protected natural areas
- Lighting/safety

Commercial Locations (DCFC/Level 2)

- Number of visits/year and load factor for current public chargers
- Multimodal transportation proximity
- Amenities / touristy
- Ability for expansion
- Leveraging DPW work / strategic coordination¹

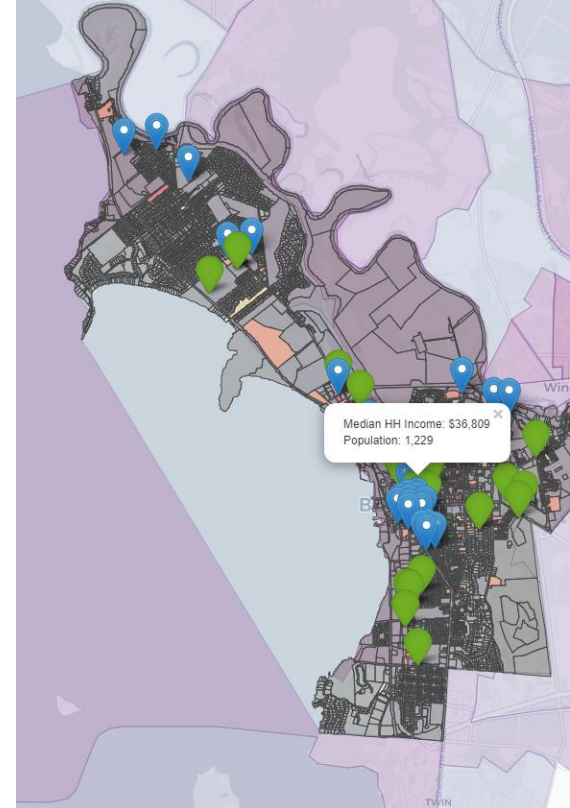
Residential/Community Locations (Level 2; Level 1 by exception)

- Housing density proximity
- Multimodal transportation proximity
- Justice40/DAC census tracts²
- Partnerships w/local organizations
- Community preference (survey residents once general areas are selected)

¹ [City Parking Map of Downtown Burlington - Relevant for Commercial Locations](#)

² [Electric Vehicle \(EV\) Charging Justice40 Map Tool + Methods to define DAC Census Tracts for NEVI Formula](#)

³ [Burlington Department of Public Works Great Streets](#)





Plus:

Workplace/retail Level 2 EV charger rebate \$2,500

[Justice40](#) locations \$3,250

Workplace Level 3 EV fast charger rebate \$15,000

Super-users incentive up to \$500

Off-peak charging rate (7.98 cents per kWh)

And....

- 5 poll mounted chargers – support renters
- CarShare Vermont support – support electric carsharing





Federal Charging & Fueling Infrastructure Grant, DoT

- Requested funding for BED's charging plan through 2030
 - Awarded as part of Round 1b, Aug 27, 2024
 - 80% federal share \$4.89M / 20% BED share \$1.22M
 - 200 new charging ports, 47 of which are Level 3 fast chargers
 - Fully funds BED charging roll-out through 2030
 - Matching funds from propose Net Zero Energy and Grid Reliability Revenue Bond