

Multiunit and Community EV Charging Grant Programs



Bronwyn Cooke, Department of Housing and Community Development
Senate Committee on Economic Development, Housing and General Affairs

March 12th, 2024

Community Planning & Revitalization (CP&R)



"The Community Planning and Revitalization team uses a **collaborative, place-based approach** to **land-use planning and community development** that **empowers state and local leaders** to plan for and **build vibrant, inclusive, and resilient [places]** downtowns, villages, and neighborhoods."

Electric Vehicle Supply Equipment Grants

2014 - 2021

- \$3.5M (mostly Volkswagen settlement funds)
- 5 rounds of grant funding
- Invested in public Level 2 and DCFC to support local economic development in our community centers
- 23 public DCFC locations
- 36 public Level 2 locations



Multiunit Pilot | Program

2022

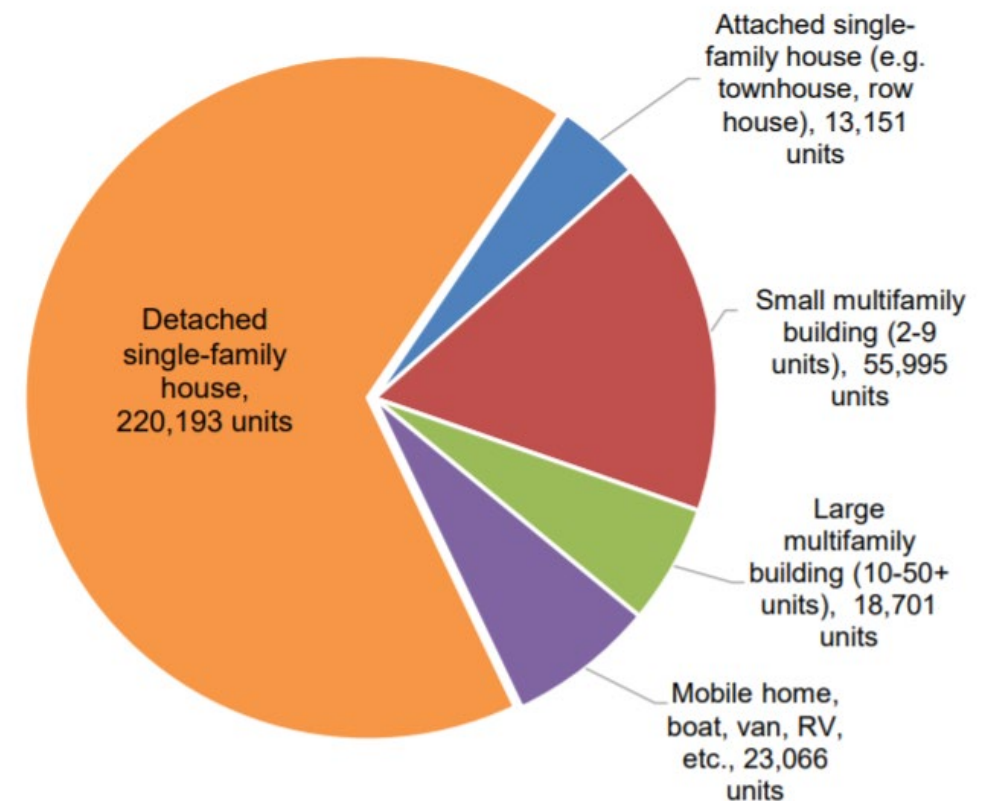
Goals

- Increase access to home charging for residents of multiunit housing.
- Test EV charging solutions that work for property owners and residents, given different parking configurations

Eligibility

- 10 or more units on a tract or tracts of land
- Affordable or non-profit multiunit housing

Figure 3-16: Vermont housing units by type of building



Source: U.S. Census Bureau: American Community Survey 5-year estimates, 2013-2017 (Table B25024) from [housingdata.org](https://www.housingdata.org). Includes all vacant stock.

Multiunit Pilot | Grants

- Awarded projects will provide EV Charging access to **6,230** residents of affordable housing units
- Project locations across Bennington, Caledonia, Chittenden, Franklin, Grand Isle, Orleans, Washington and Windsor Counties
- 18 locations completed out of 39 awarded



Champlain Housing Trust, Trolley Barn

Multiunit Pilot | Project Costs

Estimated Costs*	Level 1	Level 2	DC Fast Charging
Equipment Price	\$30 - 900	\$600 - 9,000	\$15,000 - 150,000+
Installation	\$200 - 450+	\$2,000 - 12,000+	\$10,000 - 100,000+
Networking (Annual)	\$150 - 300	\$200 - 400	\$200 - 500+
Maintenance (Annual)	\$200 - 400+	\$400 - 800	\$400 - 10,000+
Total Capital + 5 year operational	\$1,980 - 4,850	\$5,600 - \$27,000	\$28,000 - \$302,500
Pilot program median cost per location		~\$26,470	

* Cost estimates provided by Drive Electric Vermont

Multiunit Pilot | Project Challenges

ACCD held check-in calls with grant awardees in the fall of 2022.

Most common challenges reported:

- Pre-application “desktop” assessments of the scope of work required to complete the project often miss specific site constraints
- Difficulty getting multiple quotes from busy or nonresponsive contractors
- Lead time for some equipment is over 6 months. This is especially true where panel/transformer upgrades are required
- Lack of consistency in project quotes make it hard for property owners to know what they need, decide what they want, and compare quotes
- General learning curve

While many projects are delayed from original timeline, all still on track to meet contract terms for completion by May, 2024.

- March 2023 Selected Green Mountain Power to administer \$7M in new program funding in partnership with Department of Housing and Community Development.
- June 2023 Launched Level 1 & 2 incentive program for multiunit residences, workplaces, and community attractions.
- January 2024 Launched competitive grants for DCDC at community attractions

\$7M



PROGRAM	MULTIUNIT RESIDENTIAL		WORKPLACES		COMMUNITY ATTRACTIONS	
ELIGIBILITY	3 or more units		charging for employees		public parking	
EQUIPMENT INCENTIVE	Level 1 \$500/port	Level 2 \$3,000/port	Level 1 \$500/port	Level 2 \$3,000/port	Level 2 \$3,000/port	DCFC \$30,000/port
MAKE-READY INCENTIVE		Up to \$20,000		Up to \$20,000	Up to \$20,000	Up to \$30,000
TOTAL \$ AVAILABLE*	\$2.7M		\$1.8M		\$360,000 & \$1.4M	

* Does not include 10% of total grant contract amount for administrative costs

- Employers with less than 100 employees → 60% of workplace funds
- Multiunit properties with fewer than 20 units → 60% of multiunit
- Equity across counties → 10% county cap, excluding DCFC
- Equity across utility providers → 75% cap for GMP, excluding DCFC
- Affordable housing, non-profits and M/WBE → lower match requirements
- Applicant cap → \$100,000 for Level 1 and 2, \$640,000 for DCFC

- **Level 1 and 2 incentives are available to eligible applicants on a rolling basis**
 - Pre-application and pre-screen eligibility phone call
 - Connection to installer/contractor if needed
 - Submission of project estimate and site design
 - **Approval of application → first funding payment dispersed**
 - Installation
 - Submission of project invoices/proof of completion → final funding payment dispersed

	As of 1/2/2024	As of 2/22/2024
Pending Review	204	233
Under Review	107	103
Approved	18	29
Project Completed	0	1
Withdrawn/ineligible	10	10
TOTAL APPLICATIONS RECEIVED	339	376

As of 2/22/2024

	Incentive \$	Pipeline Max \$*	
Multiunit residential	\$2,700,000	\$3,505,500	-\$805,500
Workplace	\$1,800,000	\$3,516,200	-\$1,716,200
Community Attraction Level 2	\$360,000	\$2,802,200	-\$2,442,200
Community Attraction DCFC	\$1,440,000	TBD	

* Pipeline Max is an estimate based on the maximum incentive amount for the # of ports.

As of 2/22/2024

	Multiunit residential	Workplace	Community Attraction L2	Pipeline Max*	Over/Under County Cap**
Chittenden	\$1,832,600.00	\$1,676,400.00	\$356,000.00	\$3,865,000.00	\$ (3,379,000.00)
Windham	\$291,000.00	\$430,000.00	\$314,000.00	\$1,035,000.00	\$ (549,000.00)
Washington	\$364,600.00	\$98,600.00	\$467,900.00	\$931,100.00	\$ (445,100.00)
Windsor	\$330,000.00	\$184,000.00	\$324,600.00	\$838,600.00	\$ (352,600.00)
Lamoille	\$248,700.00	\$160,000.00	\$246,600.00	\$655,300.00	\$ (169,300.00)

* Pipeline Max is an estimate based on the maximum incentive amount for the # of ports.

** 10% county cap = \$486,000



As of 2/22/2024

	Multiunit residential	Workplace	Community Attraction L2	Pipeline Max*	Over/Under County Cap**
Franklin	\$128,000.00	\$218,000.00	\$76,600.00	\$422,600.00	\$ 63,400.00
Addison	\$106,000.00	\$142,100.00	\$78,000.00	\$326,100.00	\$ 159,900.00
Caledonia	\$72,000.00	\$74,000.00	\$166,000.00	\$312,000.00	\$ 174,000.00
Grand Isle	\$26,000.00	\$0.00	\$282,200.00	\$308,200.00	\$ 177,800.00

* Pipeline Max is an estimate based on the maximum incentive amount for the # of ports.

** 10% county cap = \$486,000

As of 2/22/2024

	Multiunit residential	Workplace	Community Attraction L2	Pipeline Max*	Over/Under County Cap**
Rutland	\$78,000.00	\$70,000.00	\$158,200.00	\$306,200.00	\$ 179,800.00
Orange	\$0.00	\$276,400.00	\$24,000.00	\$300,400.00	\$ 185,600.00
Orleans	\$0.00	\$58,000.00	\$210,100.00	\$268,100.00	\$ 217,900.00
Bennington	\$28,600.00	\$128,700.00	\$74,000.00	\$231,300.00	\$ 254,700.00
Essex	\$0.00	\$0.00	\$24,000.00	\$24,000.00	\$ 462,000.00

* Pipeline Max is an estimate based on the maximum incentive amount for the # of ports.

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Competitive Grants for DCFC at Community Attractions

- January 15, 2024 Pre-application open
- February 29, 2024 Pre-application closed
- April 1, 2024 Pre-applicants meeting eligibility requirements invited by to complete full applications
- June 1, 2024 Full applications are due and will be competitively awarded based on the scoring criteria
- July 1, 2024 Applicants notified of awards

Projects must be installed within 24 months of application approval

Competitive Grants for DCFC

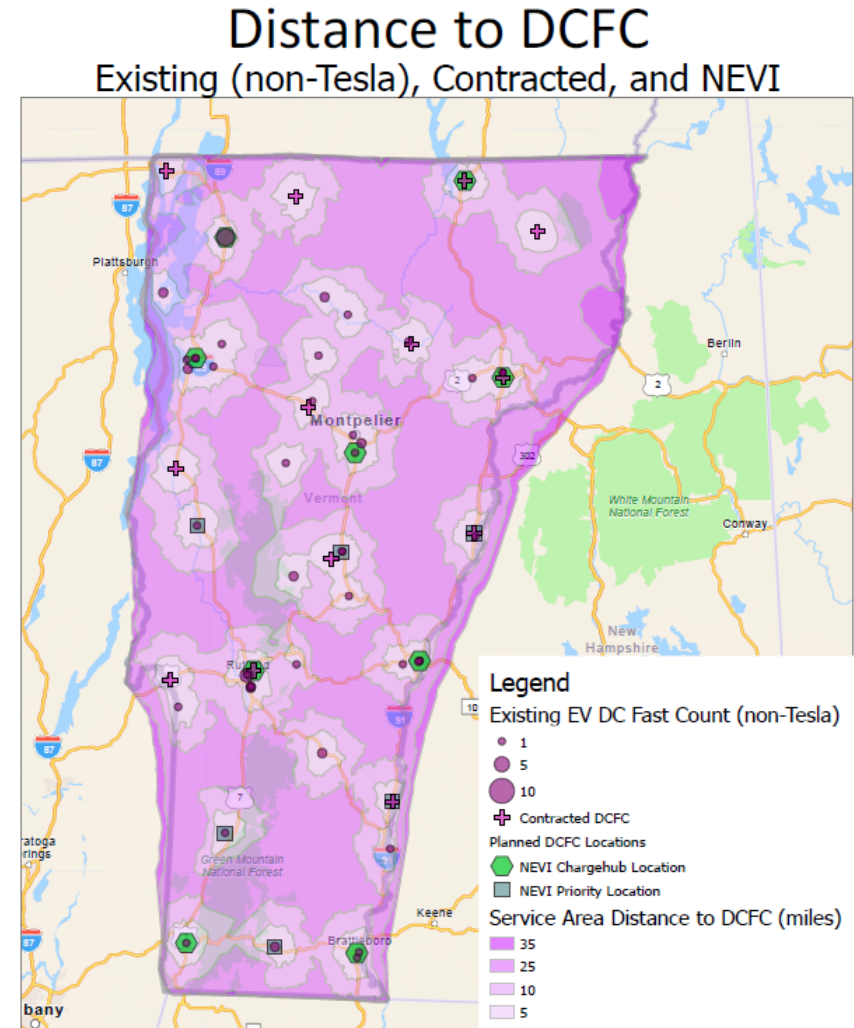
Eligibility

- Parking available to the public
- More than 10 miles from another DCFC

[Map](#)

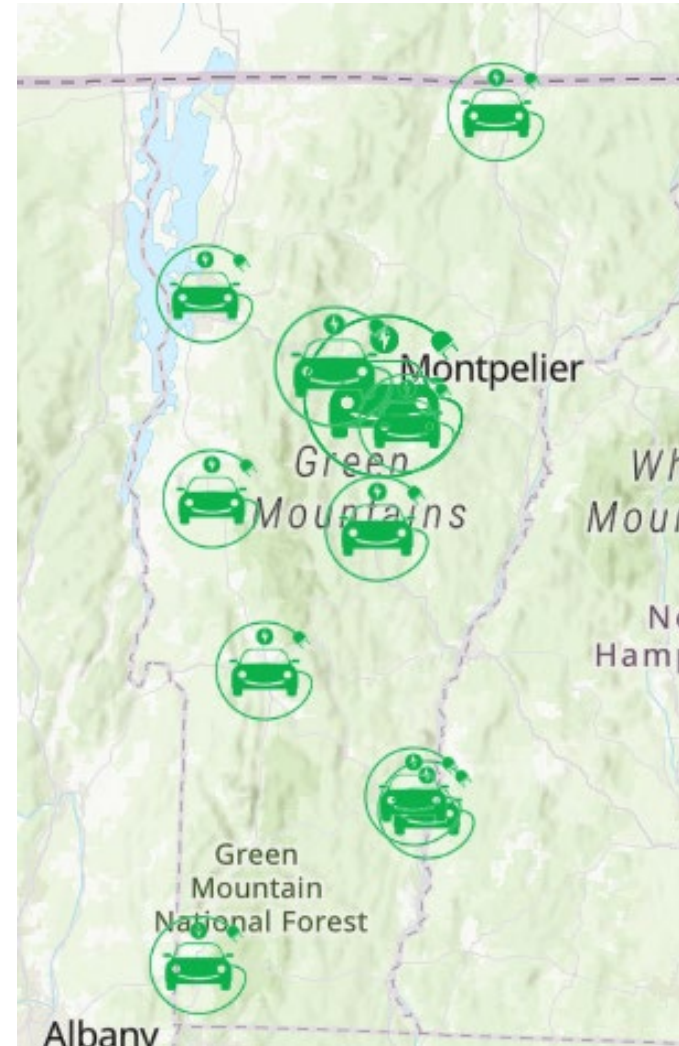
Incentive

- \$160,000 project cap
 \$30,000 per port
 \$40,000 make ready

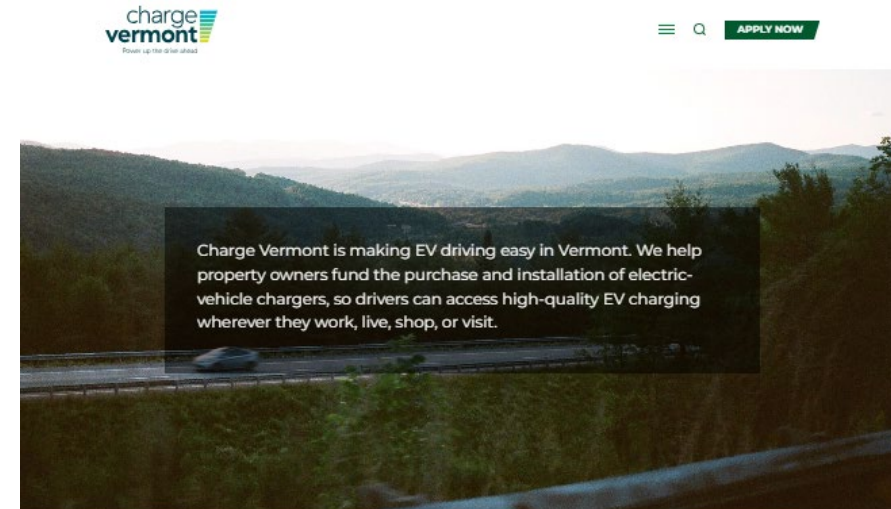


Public Charging at State Workplaces

- \$500,000 via MOU with BGS
- Level 2 chargers at 8+ locations
- Informed by State employee survey



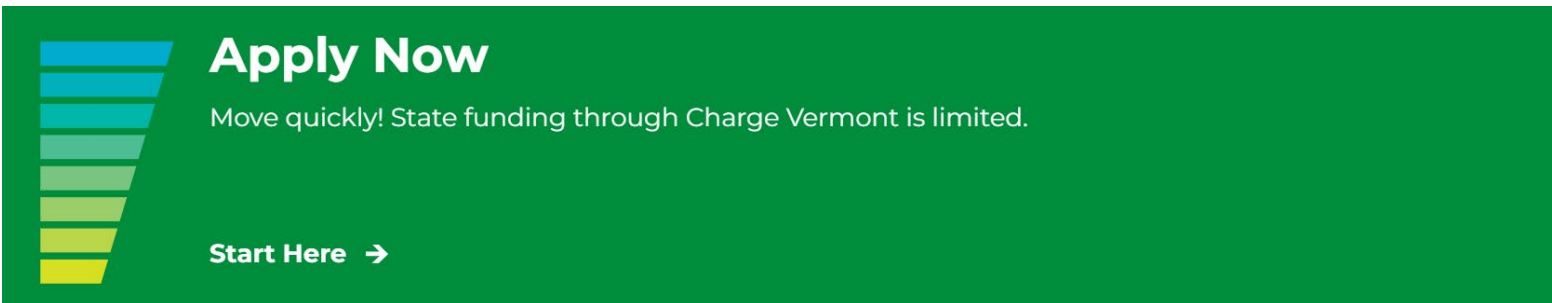
- Branded website
- Project profiles
- EVSE planning and management resources






Getting an EV Charger in Vermont

Looking to add a charger at a business, multi-unit residence, or public attraction? Charge Vermont can help cover the costs. The program is open to customers of all electric utilities in Vermont. It's funded by the State of Vermont and administered by Green Mountain Power. Funding is limited, so don't wait.

[APPLY NOW](#)

Apply Now
Move quickly! State funding through Charge Vermont is limited.
[Start Here →](#)

 <p>Workplaces Chargers are available to support employees who want to drive an electric vehicle to work. Learn More →</p>	 <p>Multi-Unit Residences Charge Vermont helps fund and install chargers at apartment complexes, condominiums, and retirement communities. Learn More →</p>	 <p>Public Attractions Get a charger for attractions such as recreation, entertainment, municipal offices, commercial buildings, schools, or non-profits. Learn More →</p>
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