

Department of Housing & Community Development Multiunit and Community EV Charging Grant Programs



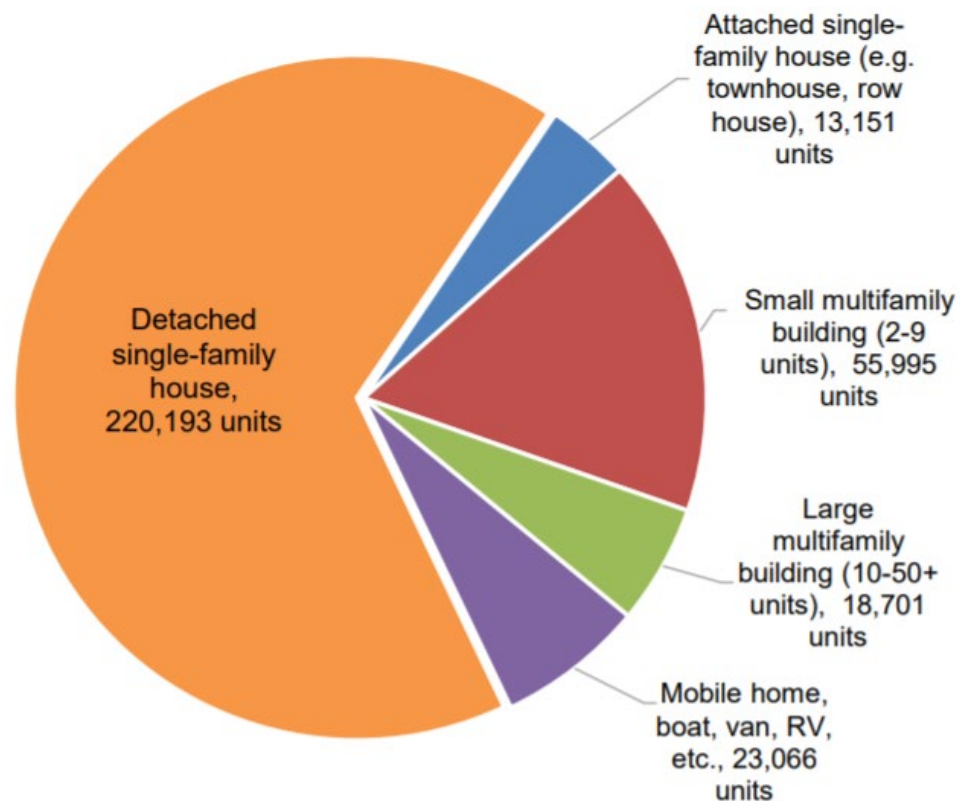
Bronwyn Cooke, Department of Housing and Community Development

House Transportation Committee

January 17th, 2023

Multiunit Housing

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



Vermonters who live in Multiunit housing, mobile home parks, and condos face challenges in accessing home EV charging.

These types of housing units represent about 30% of Vermont's housing units.

Multiunit EV Charging Pilot

Goals

- Increase access to home charging for residents of multiunit housing.
- Test solutions that work for property owners and residents.

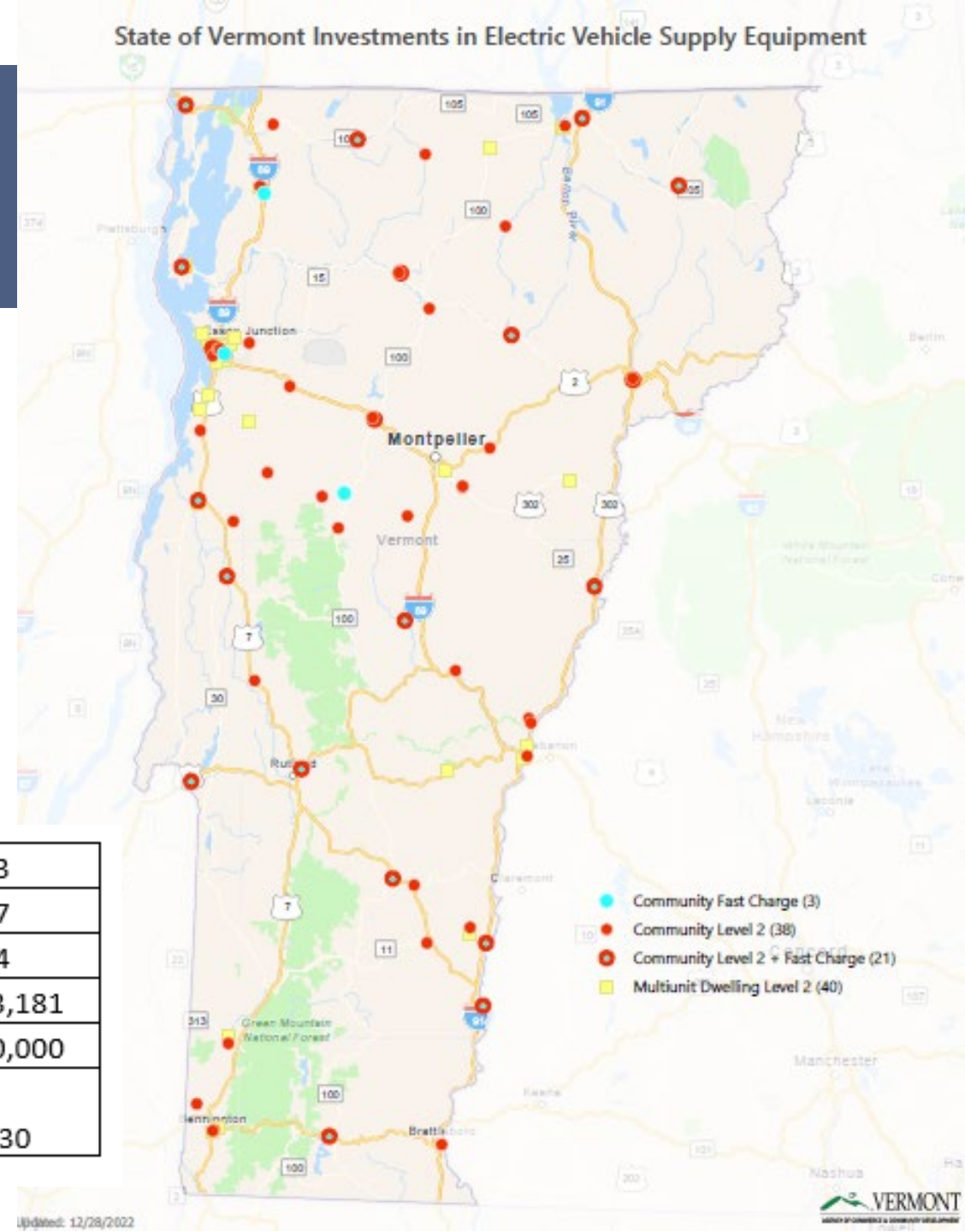
Eligibility

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



Multiunit Pilot | Awards

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



Updated: 12/28/2022

Total Applicants	16	Total Applicants Awarded	13
Total Proposed Locations	40	Total Locations Awarded	37
Total Proposed Ports	93	Total Ports Awarded	84
Total Funding Ask	\$ 1,209,270	Total \$ Amount Awarded	\$ 993,181
		Private Funding Leveraged	\$ 120,000
		Number of Units Gaining Access to Home Charging	6,230

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.

ACCD Community Charging | Program

\$10M



PROGRAM	MULTIUNIT RESIDENTIAL	WORKPLACES	COMMUNITY ATTRACTIONS
ELIGIBILITY	3 or more units priority for <20	Priority for employers with <100 employees	public parking
EQUIPMENT	Level 1, Level 2	Level 1, Level 2	Level 1, Level 2, DCFC
TOTAL FUNDS	\$3M	\$2M	\$2M

<https://accd.vermont.gov/community-development/funding-incentives/electric-vehicle-supply-equipment-evse-grant-program>

ACCD Community Charging | Program

- Hiring planning coordinator and grants administrator
- Released a Notice of Funding Opportunity for \$7M of the total \$10M
 - Response review and contracting is in the works
 - Scope of work is for program design support and program administration for the multiunit, workplace, and community attraction programs
 - Aiming for the workplace program to launch in late spring, followed by multiunit and community attractions
- Working on MOU with BGS for State workplace charging
- Community outreach to date
 - Municipal Day
 - Community Visits (Newport, Manchester Center, Rutland, Bradford, Fairlee, South Royalton)
 - Vermont Community Development Association Fall Conference
 - Clean Cars II public meeting