



Central Vermont Solid Waste Management District  
Montpelier, VT 05602  
(802) 229-9383  
[www.cvswmd.org](http://www.cvswmd.org)

March 25<sup>th</sup>, 2020

**Applicant Information:**

**Name of Applicant Entity:** Central Vermont Solid Waste Management District

**Type of Entity:** Local Municipality

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**Total Project Amount:** \$1,612,949

**SEID Request Amount:** \$898,505

**Project Locations:** The Central Vermont Solid Waste Management District includes the following municipalities: Barre City, Barre Town, Berlin, Bradford, Calais, Chelsea, Duxbury, East Montpelier, Fairlee, Hardwick, Middlesex, Montpelier, Orange, Plainfield, Tunbridge, Walden, Washington, Williamstown, and Woodbury. These municipalities are located in Washington, Orange, and Caledonia counties of Vermont.

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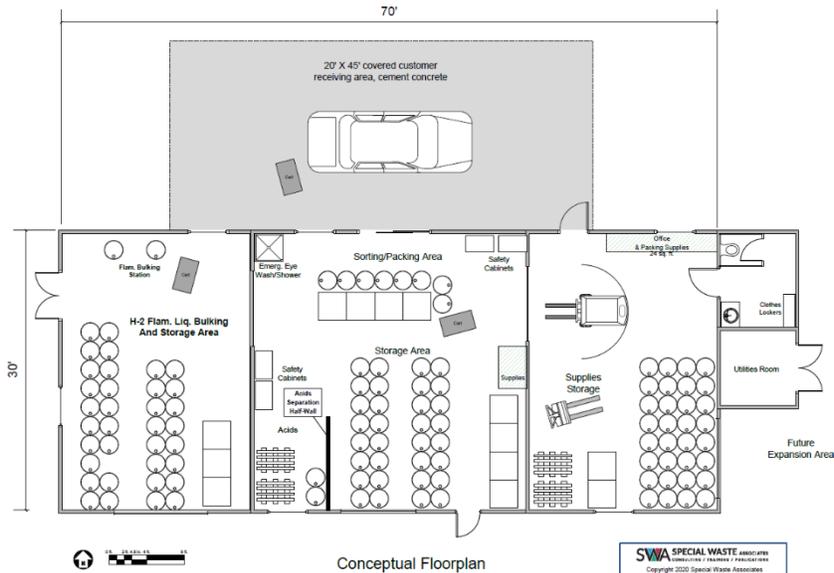
## Narrative

The Central Vermont Solid Waste Management District (CVSWMD) has a pressing need for a year-round facility to accept Household Hazardous Waste (HHW) in central Vermont. The District has provided solid waste management services in central Vermont since 1984 and has a proven track record of successfully implementing a series of USDA and EPA funded grants. Currently, CVSWMD provides five HHW collections between mid-April and mid-October. For the remaining six months of each year, staff refers residents and businesses to permanent HHW facilities in other parts of the state, or offers information about safe HHW storage between collections. For many years, CVSWMD staff have been acutely aware of the gap in services and the need to rectify it with a permanent HHW Facility.

In January, 2020, the Agency of Natural Resources granted CVSWMD \$500,000 to construct a year-round, permanent Household Hazardous Waste Facility in central Vermont. CVSWMD has made substantial progress towards construction of the facility, including hiring consultants (Special Waste Associates, APEX Consulting, Lamoureux & Dickinson Engineering, and Neagley & Chase Construction Company [pending contract]), selecting a site with assistance from the Central Vermont Regional Planning Commission, and beginning the design process. According to the most recent construction estimates, the budgeted amount for the project's construction will not be sufficient without additional funding. If CVSWMD does not receive grant funding from NBRC, the project currently underway may need to be significantly scaled back, postponed until additional funding can be secured, or abandoned.

The purpose of this request is to fund construction, equipment, supplies, and staff training for the facility. It is expected that the pre-construction segment of the project will be completed before the NBRC grant award begins. During the pre-construction segment, CVSWMD will procure land, design the facility and site, and will likely complete permitting requirements. All of these prior actions will help ensure that grant implementation will be timely and efficient as CVSWMD will be 'shovel-ready' at the NBRC grant start date.

The HHW Facility will be located on a ~10-acre parcel within Barre Town's Wilson Industrial Park (the purchase of specific lots is currently under negotiation). This location is zoned industrial and development of this parcel will not impact local natural resources (currently under existing Act 250 permit). Access to the facility in this location will be convenient to central Vermont and within minutes from Barre City - a NBRC Opportunity Zone - providing direct impact.



The above preliminary conceptual floorplan, created by David Nightingale of Special Waste Associates (Olympia, WA), shows an original footprint and floorplan of the HHW Facility. The floorplan will also include a loading dock area in the rear of the building, a 15% expansion, and a reuse room (not pictured here).

This HHW Facility is considered Basic Public Infrastructure, and will contribute to the NBRC goal of providing Business and Workforce Development. As a premier, state-of-the-art hazardous waste collection facility, the provided services will help further the protection of soils and waterways from improper disposal of hazardous waste, preserving valuable natural resources. The constructed and operational HHW Facility will contribute to the following goals, as detailed in the current NBRC Strategic Plan:

- ❖ [Goal #1] Modernize Infrastructure: The HHW Facility is essential community infrastructure which does not currently exist in Central Vermont. Providing this service will allow rural residents, businesses, and municipalities to safely and conveniently dispose of toxic and dangerous hazardous waste in a legal, safe, and environmentally friendly manner
- ❖ [Goal #2] Creating and Sustaining Jobs and Wealth: The HHW Facility will share staff resources with CVSWMD's current facility (Additional Recyclables Collection Center). Staff will receive additional training to operate the HHW Facility, including HAZWOPER certifications, contributing to workforce development. Regional access to the facility will serve new and existing businesses by providing a convenient, timely and responsible outlet for their waste materials.

This project aligns with and advances multiple goals in the "8 Steps to Success" identified in Vermont's Comprehensive Economic Development Strategy, including the following:

- ❖ Make Financing Accessible: This project leverages financing from the State of Vermont and CVSWMD's reserve funds that have accumulated to provide this necessary infrastructure. Preserving CVSWMD's reserve funds will ensure that the District's grant programs that target schools, municipalities, organizations and businesses will remain sustainably funded into the future.
- ❖ Educate a Great Workforce: Staff members will receive Hazardous Waste Operator (HAZWOPER) training and other necessary certification courses. Other ongoing training and safety courses that help the staff and facility meet or exceed OSHA/VOSHA requirements and materials management standards will be ongoing.
- ❖ Build for the Future: There is a dire need for permanent HHW infrastructure in central Vermont, as identified by CVSWMD surveys and a statewide Beyond Waste Advisory Group. The Facility will be available to the 52,530 District residents (American Communities Survey 2013-2017), out-of-District residents, and 19 member municipalities.
- ❖ Help Businesses Flourish: The Facility will provide a valuable waste collection service to the portion of the 2,400 District businesses that qualify as Conditionally Exempt Generators. This includes small businesses utilizing working lands.
- ❖ Enhance the Vermont Brand & Cultivate Innovation: This HHW Facility will serve as a model for other regional solid waste entities to build permanent facilities. It will be the first Vermont facility specifically designed from inception to collect HHW in a safe, efficient, and convenient manner.
- ❖ Preserving the Working Landscape: Providing a safe and convenient disposal location for HHW will prevent its improper disposal into the environment and/or loading into wastewater treatment plants. The Facility will provide an outlet for working lands-related HHW (herbicides, pesticides, etc.)

The anticipated outcomes for this project include the successful construction of a permanent, year-round HHW collection Facility. Measures of success include an increased participation in HHW collection among residents and businesses, an increased convenience of disposal options for HHW in central Vermont, and initial increased volumes of HHW collected and properly handled, thus keeping hazardous materials from the landfill and environment.

## Budget

The purpose of this request is to fund the construction, equipment, supplies, and staff training costs for the HHW collection facility. The pre-construction phase of the overall project will have taken place before the Notice-To-Proceed, and therefore will not be included in the 'project' or budget for the purposes of this application. The total project cost for the construction of the HHW Facility is estimated at \$1,612,295, including project management services, construction, equipment, supplies, and a 10% indirect cost.

CVSWMD has received a \$500,000 grant from the State of Vermont's Solid Waste Management Assistance Fund. \$384,160 from that grant is available as a cost-share for this grant application for use during the construction segment, committed January 19, 2020. Additionally, CVSWMD will provide a \$330,284 match from its reserve funds (committed January 21<sup>st</sup>, 2020). CVSWMD is requesting \$898,505 from the NBRC SEID grant towards constructing the HHW Facility. The budget for this project follows:

Category	NBRC Project Costs (Construction & Post-Construction)	Vermont ANR Cost Share for NBRC Project	CVSWMD Match for NBRC Project	NBRC
HHW Project Advisor	\$4,000		\$4,000	
Client Project Management Services	\$37,840			\$37,840
Facility Construction	\$1,333,814	\$354,160	\$301,504	\$678,150
Equipment	\$50,300	\$24,000	\$17,180	\$9,120
Supplies	\$21,200	\$6,000	\$7,600	\$7,600
Staff Trainings	\$4,500			\$4,500
10% Indirect Project Cost	\$161,295			\$161,295
Totals	\$1,612,949	\$384,160	\$330,284	\$898,505
% of Total Project Cost		23.82%	20.48%	55.70%

## Expense Justification

HHW Project Advisor: Portion of scope of work dedicated to materials handling training post-construction

Client Project Management Services: Portion of scope of work dedicated to construction and post-construction segments from APEX Consulting proposal and contract.

Facility Construction: Includes conceptual cost estimate from Neagley & Chase design build proposal, potential savings from cost shifting and negotiations, and development cost estimate from APEX Consulting based on Lamoureux & Dickinson preliminary site layout.

Equipment: Pallet racks, pallet jack, safety cabinets for acids and flammables, metal desk and computer, hand, electrical, and power tools, drum dollies, shelving units, electric air compressor, electric forklift, and estimated shipping charges at a 5% rate.

Supplies: Empty HHW drums.

Staff Trainings: Includes estimated training costs for HAZWOPER, OSHA, First Aid, and forklift trainings.