

The Project Funding Source Matters for these Mechanical Ventilation Policies		
Item/Scenario	Type of WAP Funding Allowed for this Project	Additional Information
Some, but not all, of the Mechanical Ventilation Requirements outlined in Vermont's Technical Policies & Procedures Manual (including ASHRAE 62.2-2016 requirements) will be met during a project.	HWAP only <i>w/an OEO approved Atypical Project Approval form</i>	Any project that does not fully meet the mechanical ventilation requirements outlined in Vermont's Technical Policies and Procedures Manual (including ASHRAE 62.2-2016 requirements) cannot ever be a DOE funded job. The job can potentially be funded by HWAP but only with an approved Atypical Project Approval form from the OEO.
ASHRAE 62.2-2016 Dwelling-Unit Ventilation Requirements: *ASHRAE's 15 CFM Discretion Rule*	HWAP or DOE	A project where (a) the installation of between 1 - 15 cfm for dwelling-unit ventilation is required according to the RED Tool and where (b) the agency elects not to install the dwelling-unit ventilation can be either a DOE or an HWAP funded job. An approved Atypical Project Approval form is not required as long as the required dwelling-unit ventilation, per the RED Tool, does not exceed 15 cfm and every other mechanical ventilation requirement outlined in Vermont's Technical Policies and Procedures Manual is met.
ASHRAE 62.2-2016 Dwelling-Unit Ventilation Requirements: *Vermont's 30 CFM Discretion Rule*	HWAP only	A project where (a) the installation of between 16 - 30 cfm for dwelling-unit ventilation is required according to the RED Tool and where (b) the agency elects not to install the dwelling-unit ventilation cannot ever be a DOE funded job. The entire job must be an HWAP funded job in this scenario. An approved Atypical Project Approval form is not required as long as the required dwelling-unit ventilation, per the Red Tool, does not exceed 30 cfm and every other mechanical ventilation requirement outlined in Vermont's Technical Policies and Procedures Manual is met.

Where Do All These Rules Come From?	
Item	Is this a Unique Vermont Policy -or- Is this a Standard DOE policy based on ASHRAE 62.2-2016
<p>Determining Fan-Flow All ventilation capacity determinations must use actual measured fan-flow readings. No ventilation capacity determinations can use fan-flow estimates or capacity ratings from product manufacturers.</p>	Standard DOE Policy based on ASHRAE 62.2-2016
<p>Local Ventilation Requirements By the conclusion of every Vermont WAP project, a minimum of one operational exhaust fan equivalent shall be present to provide local ventilation. A one operational exhaust fan equivalent is defined as 30 cfm measured fan-flow. Any exhaust fan inside the home can contribute toward the minimum local ventilation requirement of 30 total cfm. This local ventilation capacity requirement is in effect even when there is zero determined need for dwelling-unit ventilation based on the ASHRAE 62.2-2016 local ventilation alternative compliance path calculations.</p>	Unique Vermont Policy
<p>Local Ventilation Alternative Compliance Path -Half Baths Do Not & Can Not Count- When using the local ventilation alternative compliance path, it is not allowable practice to include half baths <u>or</u> to include the fan flow of any mechanical ventilation device located within a half bath in the calculations that determine the required dwelling-unit ventilation rate.</p>	Standard DOE Policy based on ASHRAE 62.2-2016
<p>Dwelling-Unit Ventilation -Half Baths Could be Used as a Last Resort- It would be acceptable for the mechanical ventilation device used to provide dwelling-unit ventilation to be located in a half bath if there were no other viable installation location options.</p>	ASHRAE 62.2-2016 Gray Zone/Unique Vermont Policy

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<p>Dwelling-Unit Ventilation *15 CFM Discretion Rule*</p>	Standard DOE Policy based on ASHRAE 62.2-2016
<p>Dwelling-Unit Ventilation *30 CFM Discretion Rule*</p>	Unique Vermont Policy
<p>Definition of Floor Area Solely for the purpose of determining the mechanical ventilation requirements of dwelling units, Vermont’s WAP adopts the ASHRAE 62.2-2019 definition of floor area with the following add-on policy language: “Unfinished below-grade, occupiable areas inside the pressure boundary” shall be defined as an area with a 7 ft. or greater ceiling height and where the insulation value of the boxesill/bandjoist and foundation walls—extending down from the outer subflooring to a point 2 feet below grade level—is R-11 or greater.</p>	Unique Vermont Policy
<p>Fan Motor Replacements -Mobile Homes Only- It is acceptable to classify mobile home exhaust fan motor replacements as “maintenance”. Because this measure is classified as maintenance, it is acceptable if the fan does not meet the ASHRAE 62.2-2016 normal compliance path standards for local ventilation after the motor replacement.</p>	ASHRAE 62.2-2016 Gray Zone/Unique Vermont Policy
<p>Fan Capacity Limits -Mobile Homes Only- In consideration of the inter-play between exhaust fans and MH combustion appliances, it is not allowable to install any exhaust-only mechanical ventilation device with a rated capacity from the device manufacturer > 80 cfm unless intentional steps are taken during the installation to ensure that the actual measured fan flow of the device is ≤ 80 cfm. This maximum, per-device, measured fan-flow must be assured for any exhaust-only devices that were <i>installed by WAP</i> before a mobile home project can pass the final QCI and be reported as a completed project. This applies to devices installed by WAP for local and/or dwelling-unit ventilation purposes.</p>	Unique Vermont Policy

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Item	Is this a Unique Vermont Policy -OR- Is this a Standard DOE policy based on ASHRAE 62.2-2016
<p>Non-Allowable Mechanical Ventilation Installations in Wet and/or Unfinished Basements Mechanical, exhaust-only ventilation systems shall not be installed in any wet and/or unfinished basements or crawlspaces as a remedy to bulk water intrusion or moisture problems using WAP funding.</p>	Unique Vermont Policy
<p>Using the Atypical Project Approval Form Submission of an atypical project approval form to the OEO for consideration on a case-by-case basis when some, but not all, of the Mechanical Ventilation Requirements outlined in Vermont’s Technical Policies & Procedures Manual will be met during a project.</p>	Unique Vermont Policy