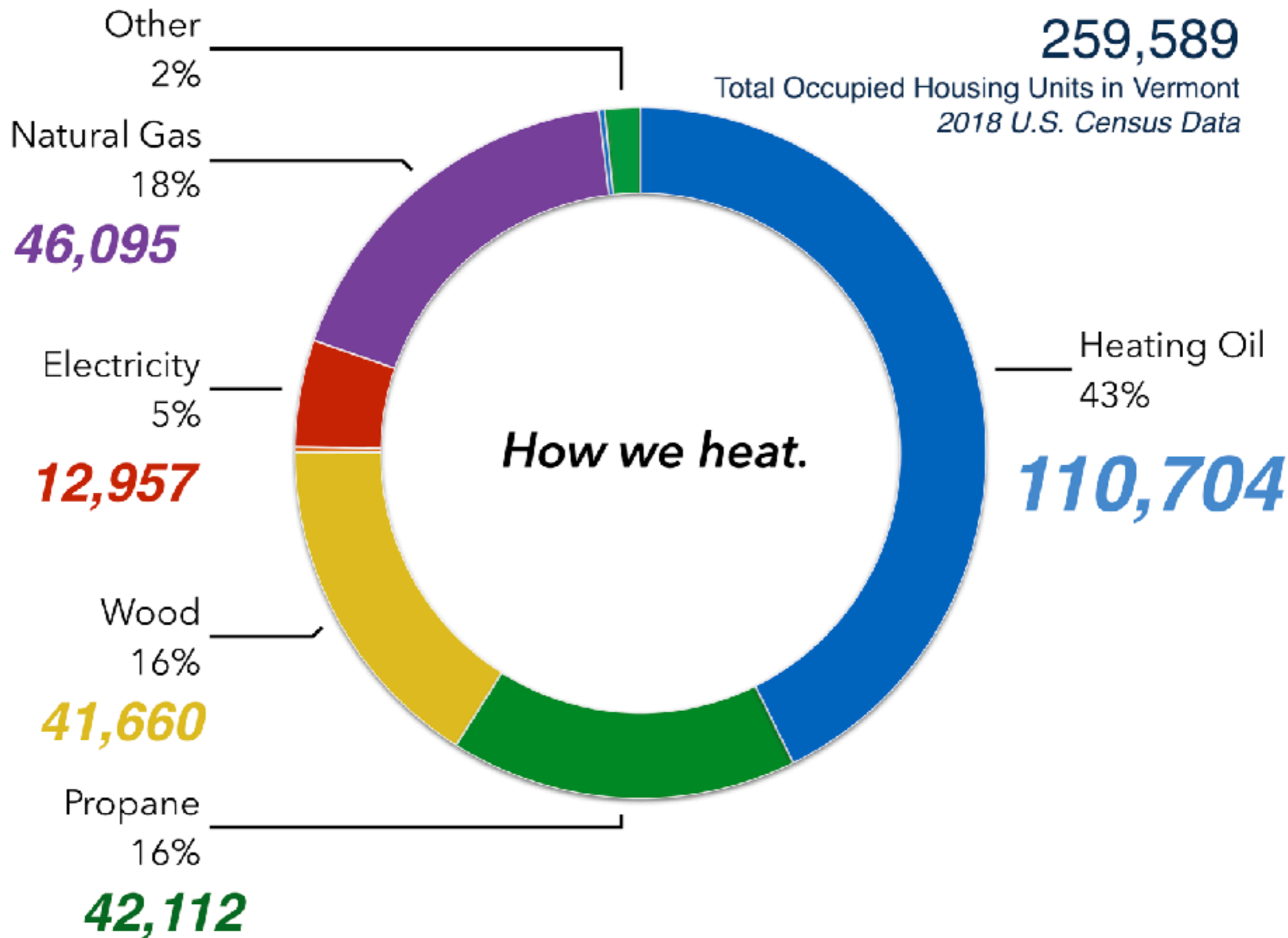


# Heating Fuel Tank Seminar



Meadow Hill





BTU's  
91,000 per gallon



Propane



BTU's  
138,000 per gallon



Fuel Oil





Propane

-156 F



Oil Heat

+125 F

-45

**Flash Point:** *The minimum temperature at which a liquid gives off vapor to form an ignitable mixture with the air near the surface of the liquid. The lower the flash point, the easier it is to ignite a liquid solvent.*





120 gallons

Propane Tank  
3 gauge....about 1/4 inch  
-44 F  
pressure vessel



275 gallons

Fuel Oil Tank  
12 gauge steel (0.1 inches)  
Vented





Propane Tank



Fuel Oil Tank





STATE OF VERMONT  
*Agency of Natural Resources*

## Aboveground Storage Tank Rules

*Effective date: 08/15/2017*



## New Tanks and Existing Tanks

Oilheat and Kerosene





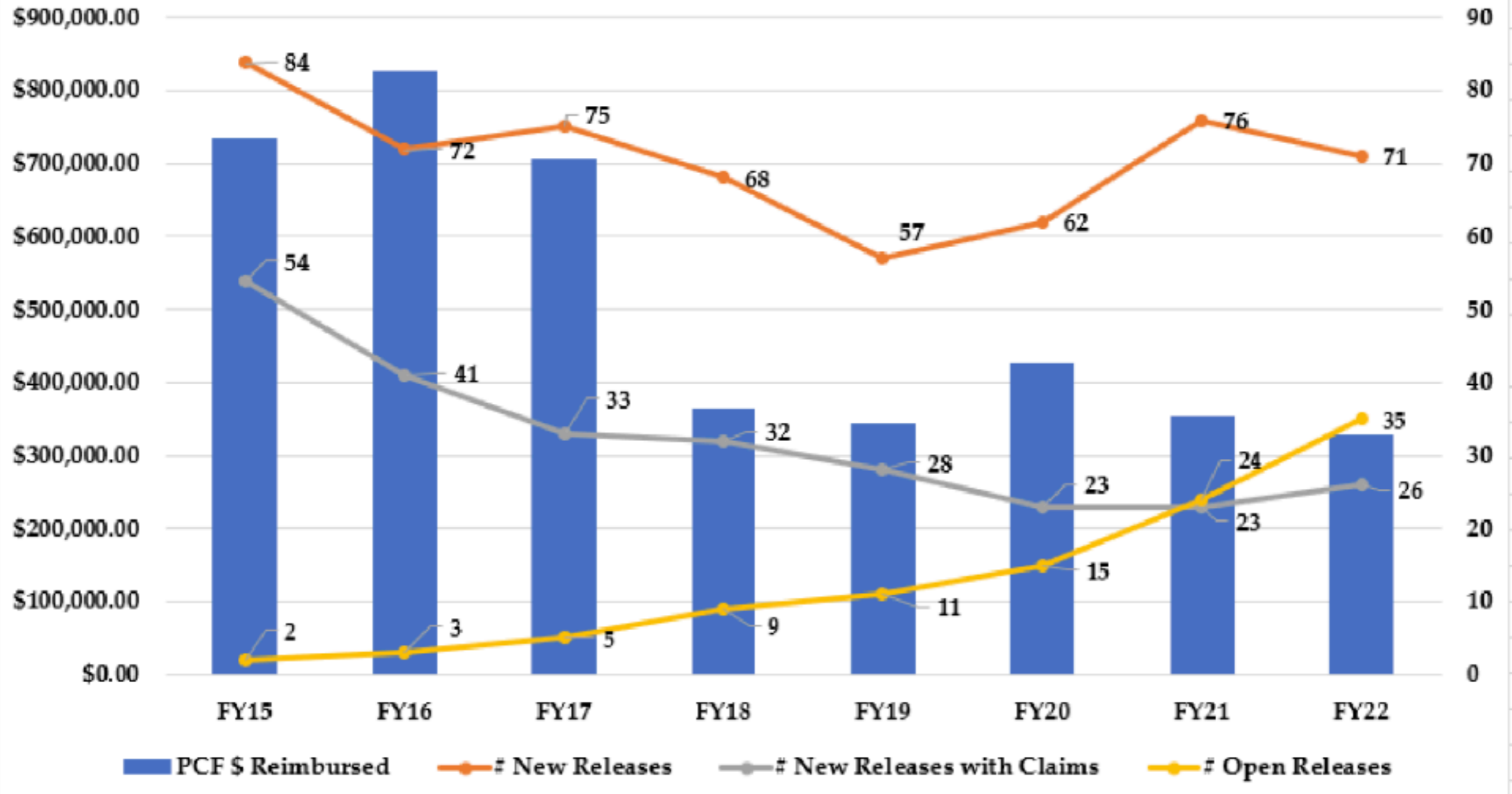




AGENCY OF NATURAL RESOURCES  
**Department of Environmental Conservation**



**Figure 3. Heating Oil AST Releases by Fiscal Year**  
 (Expenditures, number of releases, releases with claims and open releases over time)



*Less than 1/10 of 1% of tanks fail annually*



**1) A fuel oil tank can not be filled if it has leaks, drips, pitting, rust, dents, cracks or corrosion.**







Tanks



**2) The tank must be on a stable foundation.**













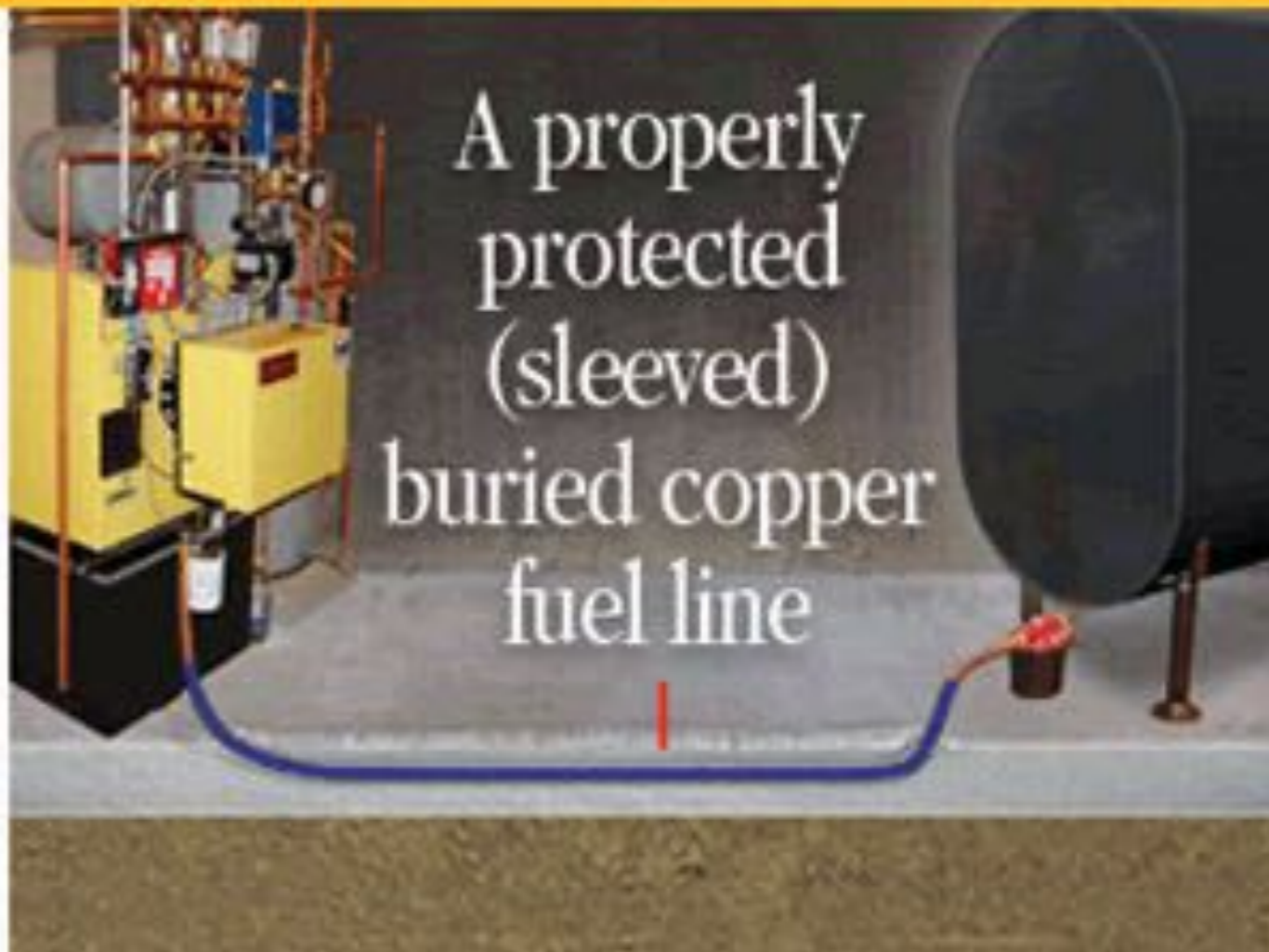
**3) If the fuel line between the tank and the burner is below grade, it must be either plastic coated copper or sleeved.**







A leaking  
unprotected  
buried copper  
fuel line



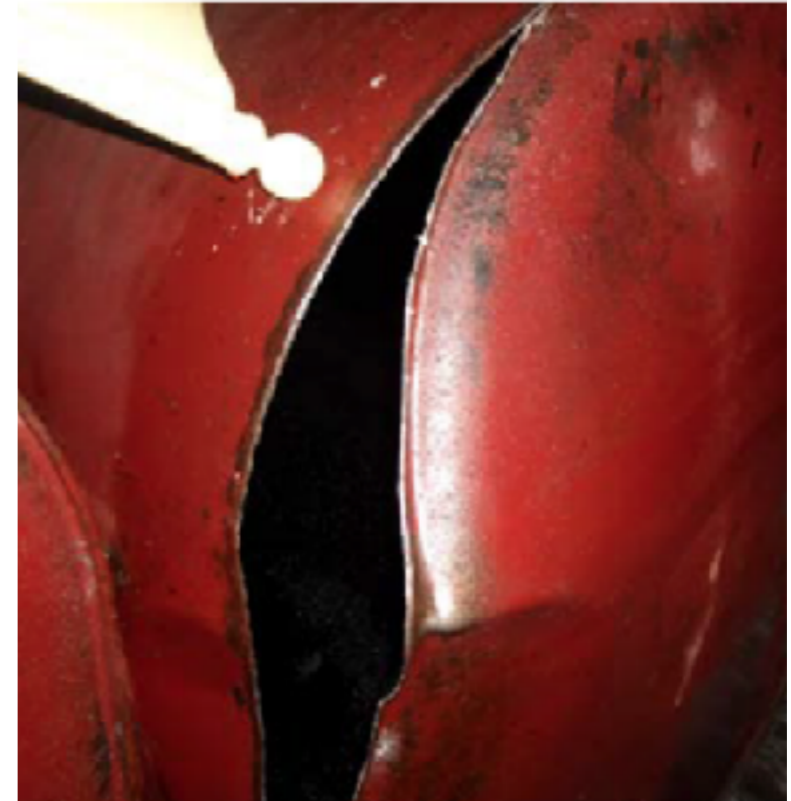
A properly  
protected  
(sleeved)  
buried copper  
fuel line

**4) All tanks need to have a working vent alarm.**





**5) The fill pipe and vent pipe must have a minimum diameter of 1-1/4 inch.**







# Tank Out of Service

**Date:** \_\_\_\_\_

**Fuel Company:** \_\_\_\_\_

**Contact Info:** \_\_\_\_\_

\_\_\_\_\_

## Reason Tank Placed Out of Service:

- Lacks stable foundation
- Signs of leaking, cracks or corrosion
- Unprotected fuel line in concrete
- Lacks vent alarm
- Undersized fill/vent pipe

**Vermont regulations require heating oil and kerosene tanks that pose a risk of leaking or spilling to be red-tagged and placed out of service. Fuel dealers are prohibited by law from filling a red tagged tank. The Vermont Agency of Natural Resources maintains an online database of red tagged tanks.**

**Learn more about the regulation online at [vermontfuel.com/tank](http://vermontfuel.com/tank)**

**Over 2300 tanks have been tagged**

# Aboveground Storage Tank (AST) Routine/New Customer Inspection Checklist

Approved for use by the Agency of Natural Resources on 8/15/2017



Aboveground storage tank (AST) inspections are required by the Aboveground Storage Tank Rules, (effective August 15, 2017). Tank inspections are required to be conducted in accordance with Section 9-306 of the Rules. This checklist is to be completed by the person inspecting the tank. The tank inspector is required to provide a copy of the completed checklist to the tank owner **within two business days** of the date of inspection. A copy of the completed checklist shall also be retained by the tank inspector for **three years** and shall be provided to the Agency of Natural Resources upon request.

### Tank Owner Info:

Name:	Address:
City/Town:	Phone/email:

Type of Inspection:            Routine (once every three years)             New Customer

The number at the end of each question refers to the tank diagram on page 2 of checklist

Is the tank on a stable foundation? (i.e., the tank is freestanding, no evidence of leaning or tilting, no evidence of subsidence) (1)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Are buried fuel line(s) coated and/or sleeved to protect against corrosion and damage? (2) <input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Is the vent line equipped with an operational vent alarm that is within 12 feet of the fill pipe and visible from the fill pipe? (3)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Is the fill and vent line diameter a minimum 1 ¼ inches? (4)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Are the tank and legs free of cracks, pitting, corrosion, dents, and bulges; and are all fittings free of leaks, weeps, drips, or other signs of a release? (5)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If any of the answers to items above is "No," the inspector shall affix a "Do Not Fill" tag to the tank and must report the inspection to the Agency: <a href="https://anrweb.vt.gov/DEC/ERT/Non_Compliant_AST.aspx">https://anrweb.vt.gov/DEC/ERT/Non_Compliant_AST.aspx</a>		
If the tank is located outside, is it protected from hazards (falling ice, tree debris, etc.)? (Check N/A only if the tank is either inside or outside but on gable end of a structure) (6) <input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Does the tank have an operational fuel level gauge? (7)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Are all tank legs no longer than 14 inches in length? (8)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Does the tank have a shut-off valve? (9)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Are all un-used openings plugged/closed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

# Aboveground Storage Tank (AST) Routine/New Customer Inspection Checklist

*Approved for use by the Agency of Natural Resources on 9/20/18*



## CERTIFICATION STATEMENT

I, \_\_\_\_\_, as the inspector of the AST do certify that the AST  
(Print name and company)

installed at \_\_\_\_\_  
(Property address/owner)

was inspected on: \_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Signature of certified tank inspector)

\_\_\_\_\_  
(Date)



# www.vermontfuel.com/tank

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## Red Tagged Aboveground Storage Tank

*To request a tank to be REMOVED from the red-tag list, please email [marc.roy@vermont.gov](mailto:marc.roy@vermont.gov) or [jaymi.cleland@vermont.gov](mailto:jaymi.cleland@vermont.gov). Please include the name of the tank owner, and how the tank was returned to compliance, e.g.: New tank installed on slab 1/1/2017, fill and vent pipes replaced with 1 1/4" pipes.*

**Below is a list of recently Red-Tagged AST**

<u>Owner First Name</u>	<u>Owner Last Name</u>	<u>Address</u>	<u>City</u>	<u>Tank Capacity</u>	<u>RedTagged by</u>	<u>Phone</u>	<u>Red-Tag Applied</u>	<u>Reason</u>
TONY & NICOLE	HARRIS	6 WHITTIER STREET	Montpelier	550	IRVING ENERGY	888-310-1924	01-19-18	No stable foundation,
James	Hall	490 Barnumville Rd	Manchester	275	Irving Energy	888-310-1924	01-19-18	Cracks,leaks,rust,drips,
Patricia	Cobb	73 Crescent St	Rutland City	275	Irving Energy	888-310-1924	01-18-18	Cracks,leaks,rust,drips,
POLLY	YERKES	647 VT RTE 114	Burke	275	IRVING ENERGY	888-310-1924	01-11-18	Cracks,leaks,rust,drips,
Chris	Carney	82 Overlake Park	Burlington	275	ROWLEY FUELS, INC	802-893-7952	01-09-18	No proper size, fill/vent,
PIERRE	MAROSY	53 SEARS LANE	Burlington	275	Patterson Fuels	802-434-2616	01-09-18	Cracks,leaks,rust,drips,
Erin & Paul	Quaker	1111 Randall Rd	Woodstock	660	DEAD RIVER COMPANY	802-457-1610	01-06-18	Cracks,leaks,rust,drips,
Michael	Guyette	44 Cramton Ave	Rutland City	275	Irving Energy	888-310-1924	01-05-18	Cracks,leaks,rust,drips,

Must remove Vent, Fill, and Tank when converting to Natural Gas





No pump overs unless treated or emergency



Burn up the oil in the tank before you replace it.

Never pump the oil from old tank into the new tank!

The sludge from old tank can kill the new tank quickly (11 month old tank)

# [vermontfuel.com/tankassist](http://vermontfuel.com/tankassist)

## Funds for Tank Replacement

The Vermont Petroleum Cleanup Fund (PCF) offers financial assistance to residential tank owners toward the removal, replacement, or upgrade of both aboveground and underground fuel oil storage tanks. Qualified applicants may be eligible to receive up to \$2,000 for an indoor tank, up to \$3,000 for an outdoor tank, and up to \$4,000 for an underground tank. The financial assistance program expenditure is capped at \$400,000 per fiscal year (FY) from July 1 to June 30. Work completed prior to application approval is not eligible for financial assistance. More information on the Vermont Tank Financial Assistance Program can be found at the Agency of Natural Resources, Department of Environmental Conservation website.

The logo for the Vermont Department of Environmental Conservation, featuring a stylized mountain range and the word "VERMONT" in a green box.

VERMONT OFFICIAL STATE WEBSITE

AGENCY OF NATURAL RESOURCES  
**Department of Environmental Conservation**

**HEATING OIL TANK  
REMOVAL/REPLACEMENT FINANCIAL  
ASSISTANCE PROGRAM**

**At this time only Aboveground Storage Tank removal  
and or replacement applications are being accepted.**

Work completed prior to application approval is not eligible for financial assistance.

The logo for VSECU, featuring a stylized green and white figure inside a square, with the text "VSECU" below it.

**VGreen Energy Improvement Loans**



# The Vermont Fuel Tank Rebate Program is closed.

*Thanks to \$300,000 in grant funding from the National Oilheat Research Alliance, VFDA helped 1200 Vermont families purchase a new oil tank to ensure that clean burning oilheat is delivered safely and stored securely.*

**VFDA**  
vermontfuel.com

**NORA**  
NATIONAL OILHEAT RESEARCH ALLIANCE

The Vermont Fuel Tank Rebate Program is brought to you by your fuel oil supplier, the Vermont Fuel Dealers Association, and the National Oilheat Research Alliance.





Black Galvanized Steel  
Coated Copper Fuel Line  
Fuel Gauge  
Concrete Foundation









[www.vermontfuel.com/tank](http://www.vermontfuel.com/tank)

***Possible Changes in 2024***



A white propane tank with a black top and brass fittings. The tank is cylindrical with a black cap on top and two white handles on the sides. The text is overlaid on the tank.

# **Selling a Home with Propane**

**Vermont Law (CP111)  
and the  
Pre-Sale Checklist**



1 pounds  
16 ounces



20 pounds  
4.6 gallons



100 pounds  
24 gallons



420 pounds  
120 gallons



500 gallons





Most propane tanks are not owned by the property owner, and propane dealers are not permitted to fill a tank without permission of the tank owner.

Under state law, when terminating service to their consumer, propane dealers must refund their consumer for fuel remaining in the tank. State law does not provide for propane dealers to direct any refund to another party, or to determine who has the legal right to the fuel or refund due for the fuel. Dealers must issue a refund to their consumer.

State law defines a propane consumer as: “...any person who purchases propane, for consumption and not for resale, through a meter or has propane delivered to one or more storage tanks of 2000 gallons or less.” If the property buyer has not purchased propane for the property, they are not the consumer and cannot receive the refund required when service is terminated.

If a tank has been on the property for more than 12 months, the propane dealer may not charge any fee relating to termination of service, including tank removal (even if tank is underground).

## Pre-Sale Checklist:



**Seller:** Notify the propane dealer of the impending sale and closing date as soon as it is known. The seller should make arrangements for the propane dealer to terminate their account, including taking a measurement of any remaining fuel and resolving any balance associated.

**Seller:** Determine tank ownership by reviewing their contract, contacting the propane dealer and/or contacting the town clerk to determine if there is a UCC filing regarding the tank. If the tank is owned by the property seller, the seller may negotiate transfer of fuel to buyer.

**Seller:** Arrange tank removal if tank is owned by the propane dealer and the buyer does not wish to continue with service through that dealer.

**Buyer:** Notify seller and make arrangements for propane service by contacting the seller's current propane dealer. Seller should provide fuel usage information so the buyer can obtain accurate pricing information.

**Buyer:** Check tank ownership by requesting documentation demonstrating tank is owned by seller or contract that indicates tank is owned by propane dealer. Another dealer might not provide service if they cannot determine tank ownership.



**Vermont Propane Termination of Service/Transfer of Propane Notice by Consumer**

**NOTICE OF TERMINATION**

I, \_\_\_\_\_ hereby notify \_\_\_\_\_  
*(Propane Customer)* *(Propane Supplier)*

that I am terminating my propane service at:

\_\_\_\_\_ (Street)  
\_\_\_\_\_ (City) \_\_\_\_\_ (State) \_\_\_\_\_ (ZIP)

Termination shall be effective on \_\_\_\_\_ or receipt of this notice whichever is later.  
*(Date)*

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
*(Propane Customer)*

**INSTRUCTIONS FOR TANK**

*Upon termination of propane service, I hereby request that the propane supplier:*

- Remove the propane tank from premises.
- Leave the tank on the premises.

**INSTRUCTIONS FOR PROPANE**

*In the event that fuel is remaining in the tank, I hereby request that the propane supplier:*

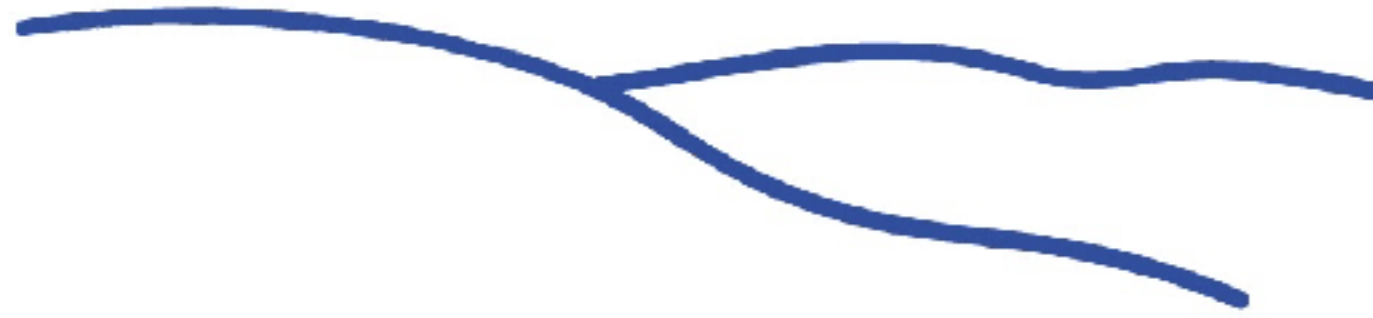
- Credit my account, and if applicable, provide a refund for any fuel remaining in the tank.
- Assign the right to any propane (and/or refund if applicable) to the new property owner/resident.

***New Property Owner/Resident***

\_\_\_\_\_ (Name)  
\_\_\_\_\_ (Street)  
\_\_\_\_\_ (City) \_\_\_\_\_ (State) \_\_\_\_\_ (ZIP)



[vermontfuel.com/propaneform](http://vermontfuel.com/propaneform)



# Meadow Hill

[www.meadowhillvt.com](http://www.meadowhillvt.com)

802-318-2190 Voice/Text

[matt@meadowhillvt.com](mailto:matt@meadowhillvt.com)



**HCCV**

Heating & Cooling  
Contractors of Vermont

**VFDA**  
*vermontfuel.com*