

The logo for Safely Store VY is a green banner with a dark teal border. The text "SAFELY STORE VY" is in white, bold, uppercase letters. Below it, "CONTINUE THE LEGACY" is in a smaller, white, uppercase font, flanked by two horizontal white lines.

SAFELY STORE VY
— CONTINUE THE LEGACY —

Nuclear Decommissioning Citizens Advisory Panel (NDCAP)

January 28, 2016

A decorative graphic at the bottom of the slide consists of a blue wave-like shape with a fine, diagonal hatched texture, set against a solid black background.

Introductions

Joseph Lynch
Government Affairs Manager,
Entergy Vermont Yankee (ENVY)

Decommissioning Project Status

VY Decommissioning Update

The focus of Entergy Vermont Yankee (VY) and its Employees continues to be our ongoing commitment to Safety.

- ▶ **Decommissioning Preparation Activities**
 - System Draining/Lay-Up (50 Systems/35 Complete). The remaining Systems are scheduled in the future.
 - Building Power and Services Removal – Ongoing
 - Security Enhancements – Complete
- ▶ **Emergency Plan Update**
 - E-Plan Drill conducted on October 21, 2015 as part of ongoing training & Emergency Response Organization (ERO) qualifications.
 - Successfully completed a test of the sirens on November 7, 2015.
- ▶ **NRC Inspection Activities**
 - Inspection scope informed by the NRC Decommissioning Program
 - 4Q15 NRC Decommissioning Power Reactor Inspection exit meeting was held on January 20, 2016. There were no Findings or Violations identified.

VY Decommissioning Update (Cont'd)

The focus of Entergy Vermont Yankee (VY) and its Employees continues to be our ongoing commitment to Safety.

▶ Vermont State Agency Interactions

◦ Vermont Agency of Natural Resources (VANR)

- Site Inspection on May 18, 2015 noted issues with labeling, waste characterization and inventory records. Subsequently corrected.
- Notice of Alleged Violations (NOAV) issued with several requests for additional information.
- Letter submitted to VANR on January 19th, 2016 with final closure documentation.
- Expect a follow-up Inspection from VANR in the near future.

VY Decommissioning Update (Cont'd)

The focus of Entergy Vermont Yankee (VY) and its Employees continues to be our ongoing commitment to Safety.

▶ Vermont State Agency Interactions

- Public Service Board (PSB) – Second ISFSI Pad CPG
 - Responses to Discovery on Rebuttal Testimony completed November 25, 2015.
 - Final Responses to Discovery due February 3, 2016
 - Depositions and Hearing Preparations Underway
 - PSB Hearing Scheduled for February 23rd and 24th, 2016
 - Approval expected in May 2016.

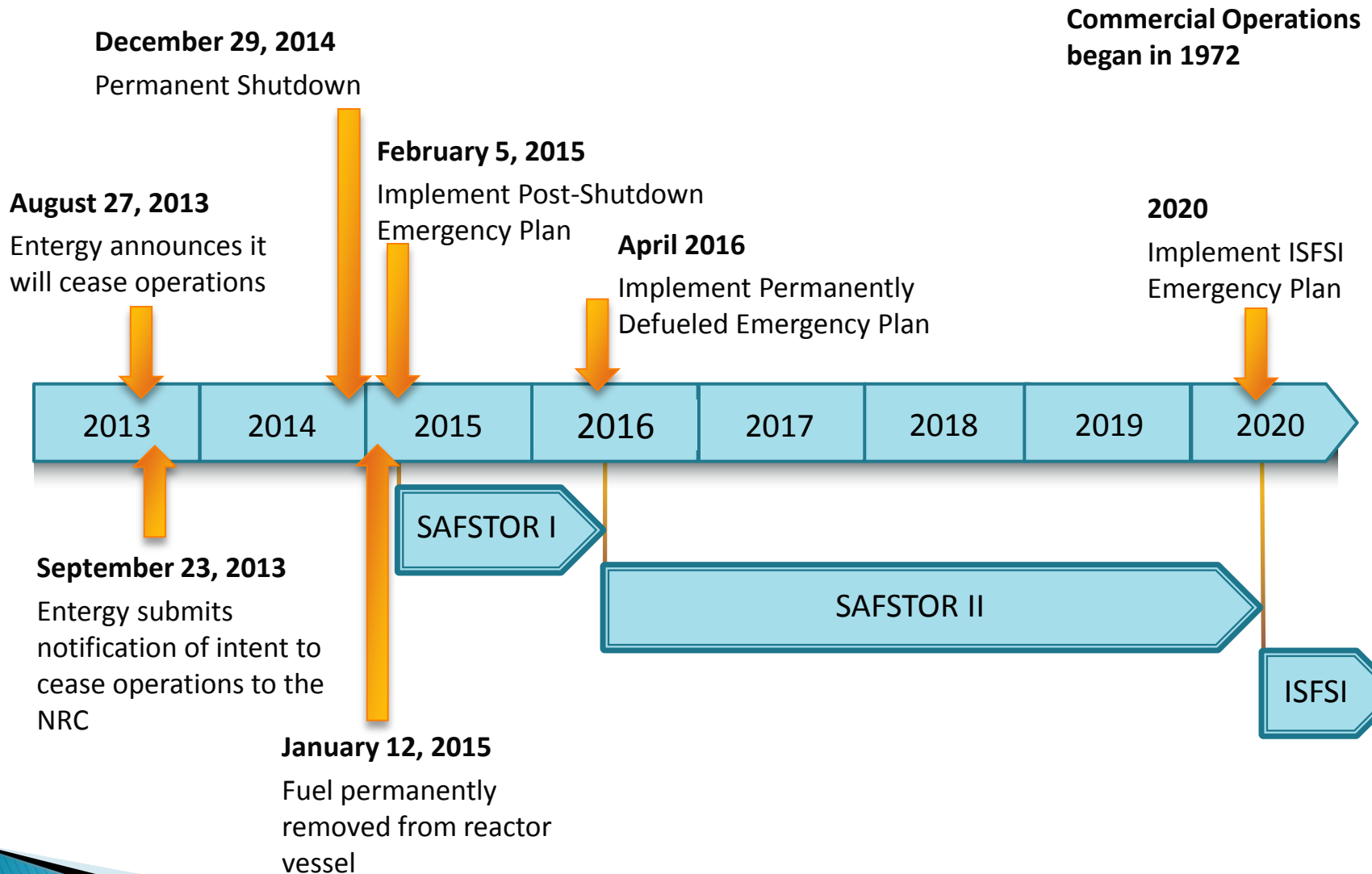
Emergency Response Organization

Emergency Plan Decommissioning Status

- ▶ E-Plan submittals/status:
 - Post-Shutdown E-Plan License Amendment Request (LAR) – Implemented February 5, 2015. Covers SAFSTOR Period 1 - Plant Shutdown to April 2016
 - EP Exemption Requests – NRC Commissioners voted to grant Exemptions, March 2015 (supports Permanently Defueled E-Plan and EALs). NRC Staff issued Exemptions in December.
 - Permanently Defueled E-Plan and Emergency Action Levels (EALs) LAR – Covers SAFSTOR Period 2 - April 2016 to All Fuel in Dry Storage. Approval received by NRC in December.
 - Implementation Scheduled for April 16, 2016

■ Submittals posted at www.vydecommissioning.com

Vermont Yankee Timeline

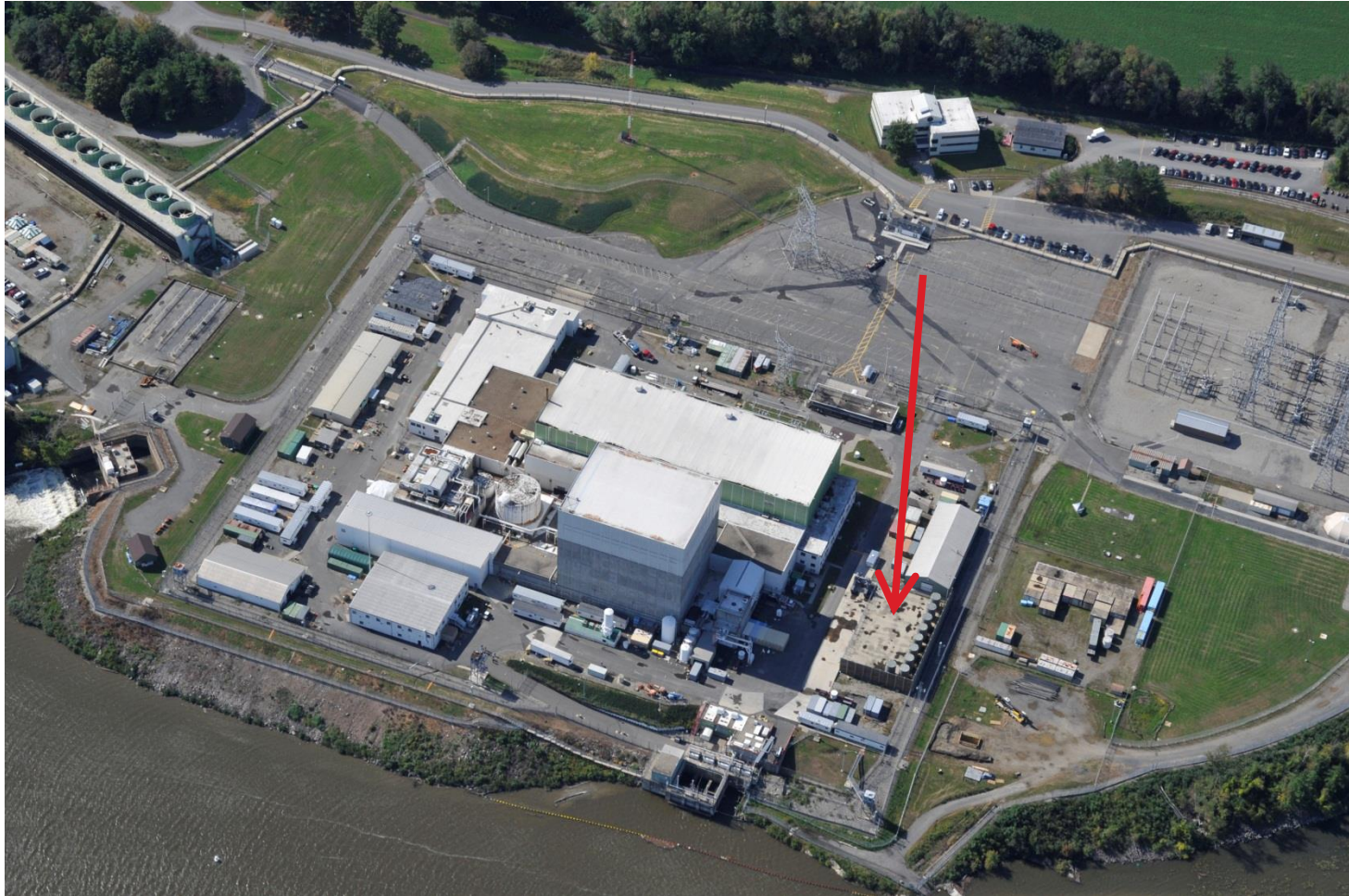


Spent Fuel Management

Current Dry Fuel Storage Status

- Thirteen (13) Dry Fuel Storage Casks are safely loaded and stored on the first of two (2) Independent Spent Fuel Storage Installation (ISFSI) pads.
- An additional forty-five (45) Dry Fuel Storage Casks for a total of fifty-eight (58) will be loaded and stored on the two pads.
- Fuel Transfer will commence in 2017 which was accelerated from the previous scheduled start date of 2019.
- Project goal is to transfer all spent fuel to Dry Cask Storage by 2020.

Independent Spent Fuel Storage Installation (ISFSI)



Decommissioning Cost Estimate

Decommissioning Cost Estimate and Nuclear Decommissioning Trust (NDT)

- ▶ Cost Estimate to Decommission VYNPS was \$1.242 Billion in 2014 dollars for SAFSTOR.
 - Termination of the NRC Operating License - \$817 Million
 - Site Restoration - \$57 Million
 - Spent Fuel Management - \$368 Million

- ▶ Spent Fuel Management - \$368 Million
 - Operational costs - \$225 Million
 - Transfer to Dry storage - \$143 Million
 - To fund “transfer to dry storage”, ENVY established two (2) credit lines totaling \$145 Million
 - Reduces Spent Fuel Management impact to NDT

Decommissioning Cost Estimate and Spent Fuel Management

- ▶ The ENVY Nuclear Decommissioning Trust (NDT) Fund was \$664.6 Million as of January 1, 2015
- ▶ The NDT is \$595.4 Million as of December 31, 2015
 - \$58 Million in qualified withdrawals from the NDT
 - \$16 Million in Trust expense withdrawals
 - \$ 5 Million in investment gains
 - Project was under budget for 2015

Communication and Outreach

- ▶ Nuclear Decommissioning Citizens Advisory Panel (NDCAP)
- ▶ Stakeholder Outreach: Speaking Engagements, Community Involvement, and Facility Tours
- ▶ SAFSTOR Matters – Monthly Cable TV Show
- ▶ Vermont Yankee Decommissioning website:
www.vydecommissioning.com



SAFSTOR MATTERS

BCTV 2015 *Series of the Year*



Decommissioning Overview



Emergency Planning



Spent Fuel Management



Economic Impact



Decommissioning Update



Decommissioning Maine Yankee



Impact of closing on host community - Vernon, VT



Decommissioning Review

Questions?



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