

Nuclear Decommissioning Citizens Advisory Panel (DCAP)

September 25, 2014



Introductions

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VP, Entergy Vermont Yankee

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VP, External Affairs
Entergy Wholesale Commodities

EVY Current Operational Status

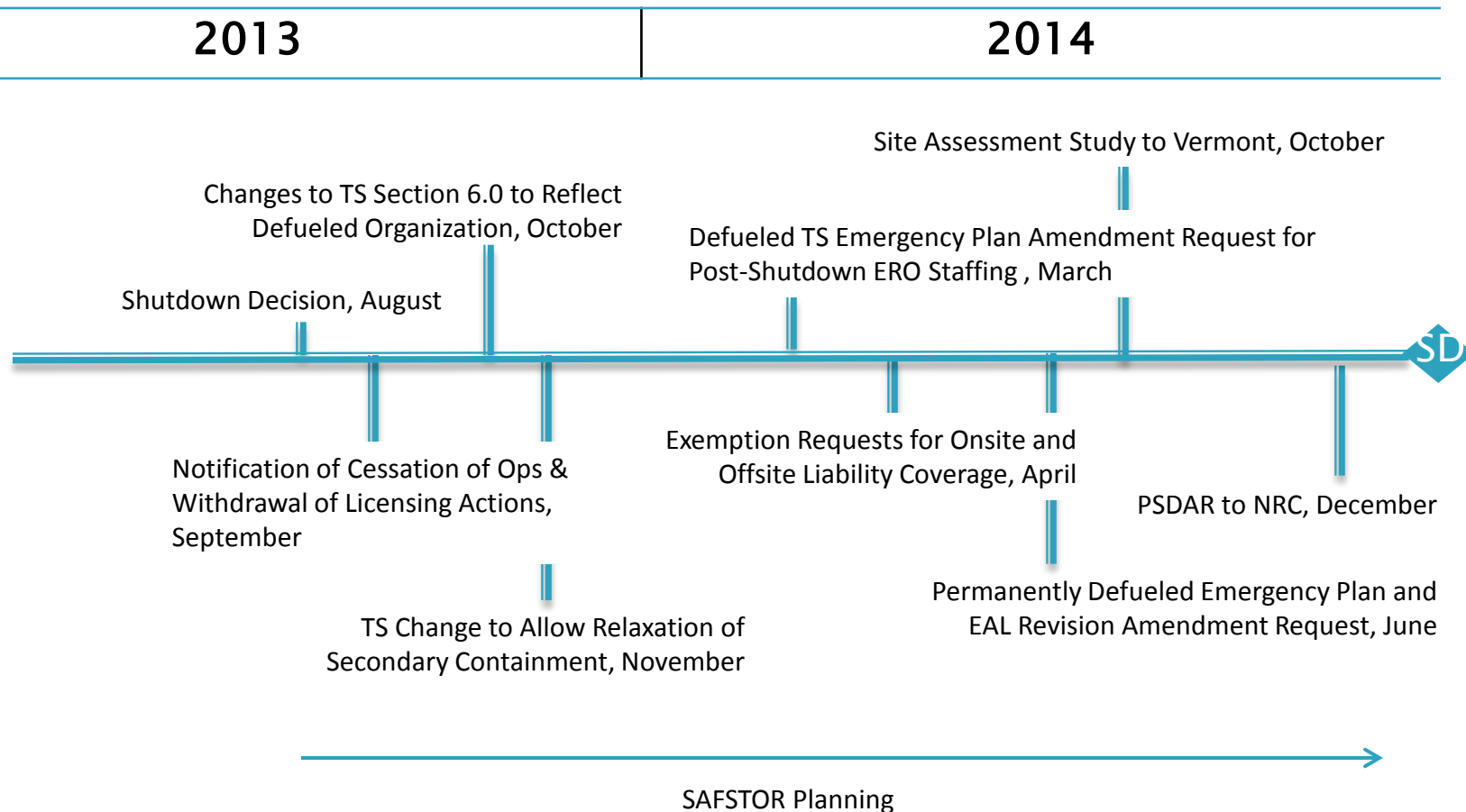
The focus of Entergy Vermont Yankee (EVY) and its Employees continues to be on the safe and error-free operation of the plant.

- ▶ Since the August 27th, 2013 announcement of the planned shutdown of VY, the plant has operated continuously. EVY has safely generated electricity for 538 days since the last refueling outage.
- ▶ The plant has begun coast down to an end of 2014 shutdown with power levels decreasing by design.
- ▶ Personnel safety record has been very good in 2014.
- ▶ All NRC Performance Indicators remain Green and in the category of a top performing plant.

Significant Milestones Since the August 2013 Announcement

- ▶ Negotiated a Settlement Agreement with the State benefitting both parties, including;
 - \$25M Site Restoration Fund
 - \$ 5M+ Clean Energy Development Fund
 - \$10M Economic Development Fund
- ▶ Certificate of Public Good (CPG) issued March 28th, 2014
- ▶ Open, transparent, continuous and engaged dialogue between EVY and Vermont.
 - Several meetings between Governor Shumlin and Entergy Wholesale Commodities (EWC) President Bill Mohl & Entergy EWC VP Mike Twomey.
- ▶ Meetings between Vermont Agency for Natural Resources (VANR), Department of Health (DOH) and Entergy technical staff to discuss current site conditions and future plans.

Historical Timeline



Settlement Agreement/MOU Status

Status	Provision Description	Action
☑	Site Restoration Fund	\$10M – Funded 5/6/2014
☑	Clean Energy Development Fund (CEDF)	\$5.2M – Funded 5/6/2014
☑	Economic Development Fund – Windham County	\$2M for 2014; First of five (5) annual payments due on or before 4/1 each year
☑	File CPG Application for Second ISFSI Storage Pad and Infrastructure	Filed 6/30/2014
☑	Work with Vermont ANR on Thermal Discharge Issues as part of the NPDES Permit Renewal	Ongoing

Commitment to Entergy Vermont Yankee Employees

- ▶ Consistent and unwavering commitment to Employees since shutdown announcement.
 - Meetings, Forums, Websites and E-Mail Messaging.
- ▶ Efforts to place employees across the Entergy fleet is a significant and ongoing effort.
- ▶ Level Staffing will remain through normal operations and into early-2015.
- ▶ Staffing reductions will occur at key milestones during transition to SAFSTOR based upon safe, secure and regulatory compliant post-shutdown operations.
- ▶ EVY is working with the states of VT, NH and MA Departments of Labor on employee support services including job fairs and unemployment seminars.

EVY Charitable Contributions

- ▶ Over \$175,000 Donated in 2014
 - Brattleboro Memorial Hospital \$53,400
 - Brattleboro Area Drop-In Center \$32,000
 - Brattleboro West River Park Project \$10,000
 - Youth Services – Summer Resource \$10,000
 - Brattleboro Museum & Art Center \$ 8,000

- ▶ EVY will continue with charitable contributions in 2015 at reduced levels with continued focus on local community support.

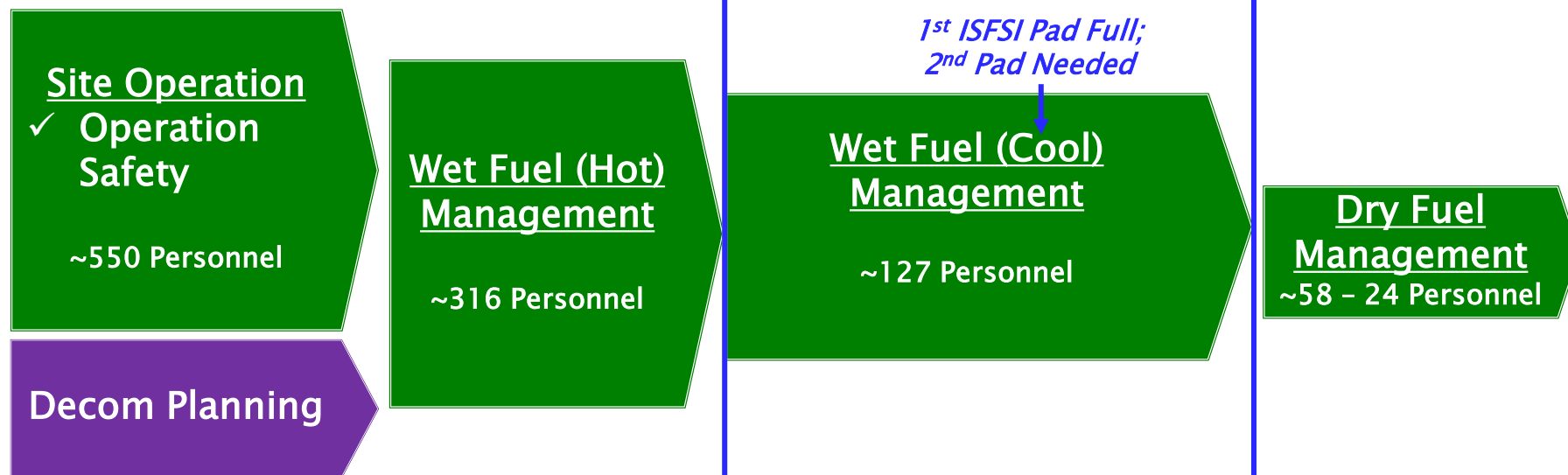
Staffing Transition to Decommissioning

Operation		Dormancy Preparation					SAFSTOR
2013	2014	2015	2016	2017	-	2020	2021+

Defuel

Fuel Cool

Fuel in Dry Storage



Site Assessment Study

- ▶ Site Assessment Study (SAS) is nearing completion and in the technical review process.
- ▶ Initial information being provided to the VANR and Department of Health (DOH) in advance of final SAS.
- ▶ Two (2) Technical Exchange Meetings held between State of VT Technical Team and Entergy Site Closure Team.
- ▶ SAS expected to be issued in the next 30 days with an extensive compilation of data and site information.

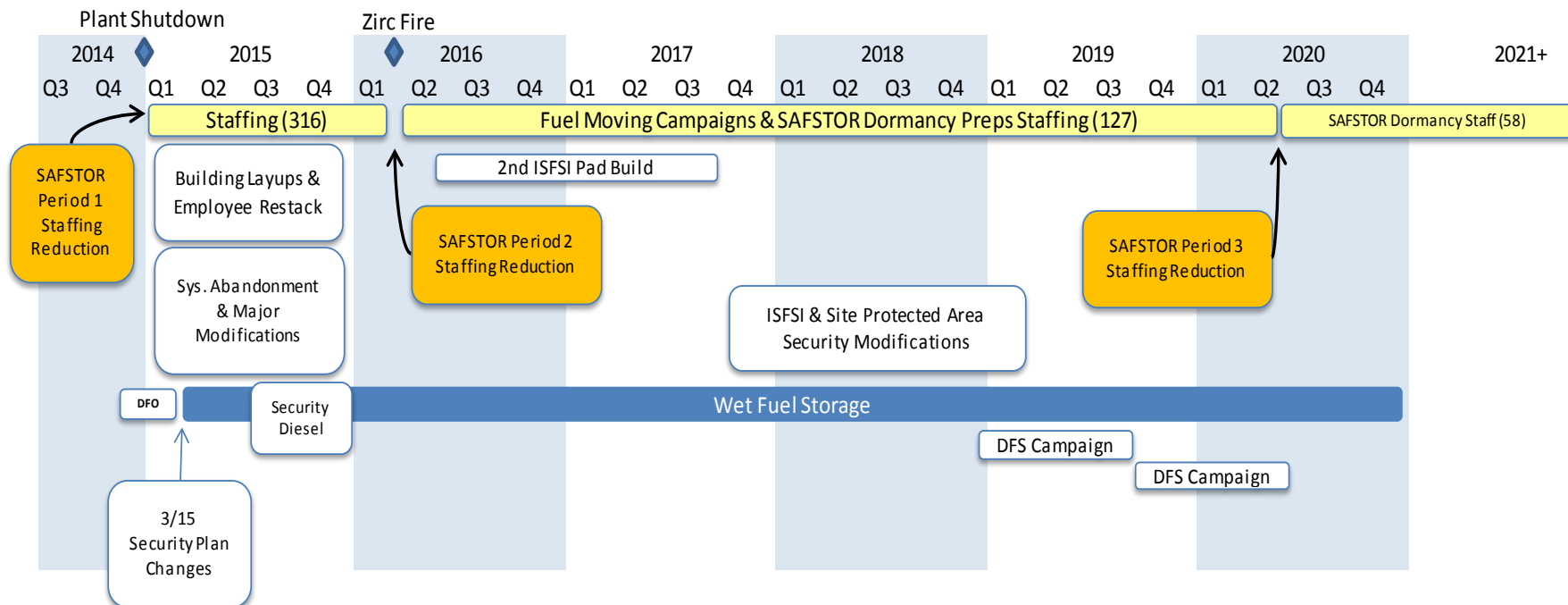
Regulatory Submittals Supporting Decommissioning

- ▶ Technical Specifications (3 Submittals)
 - Defueled Organization and Programs
 - Secondary Containment Requirements
 - Permanently Defueled Tech Specs
- ▶ Emergency Plan (3 Submittals)
 - Post-Shutdown E-Plan
 - Exemption Requests and associated Defueled E-Plan/Emergency Action Levels

Upcoming Plant Milestones

- ▶ EVY will cease plant operations by the end of 2014
- ▶ Defueling of the reactor will commence and be completed in January 2015
- ▶ System Abandonment and Decommissioning Modifications in 2015
- ▶ Installation of 2nd ISFSI Pad – 2016/2017
- ▶ ISFSI & Protected Area Security Modifications – 2016 through 2018

Next Steps



All forward looking statements are preliminary based on information currently available and are subject to change

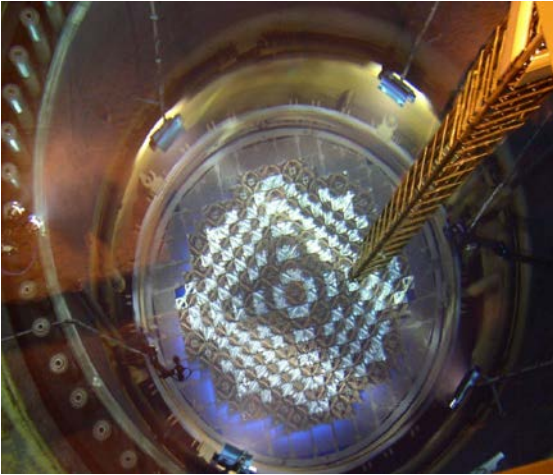
Independent Spent Fuel Storage Installation (ISFSI)



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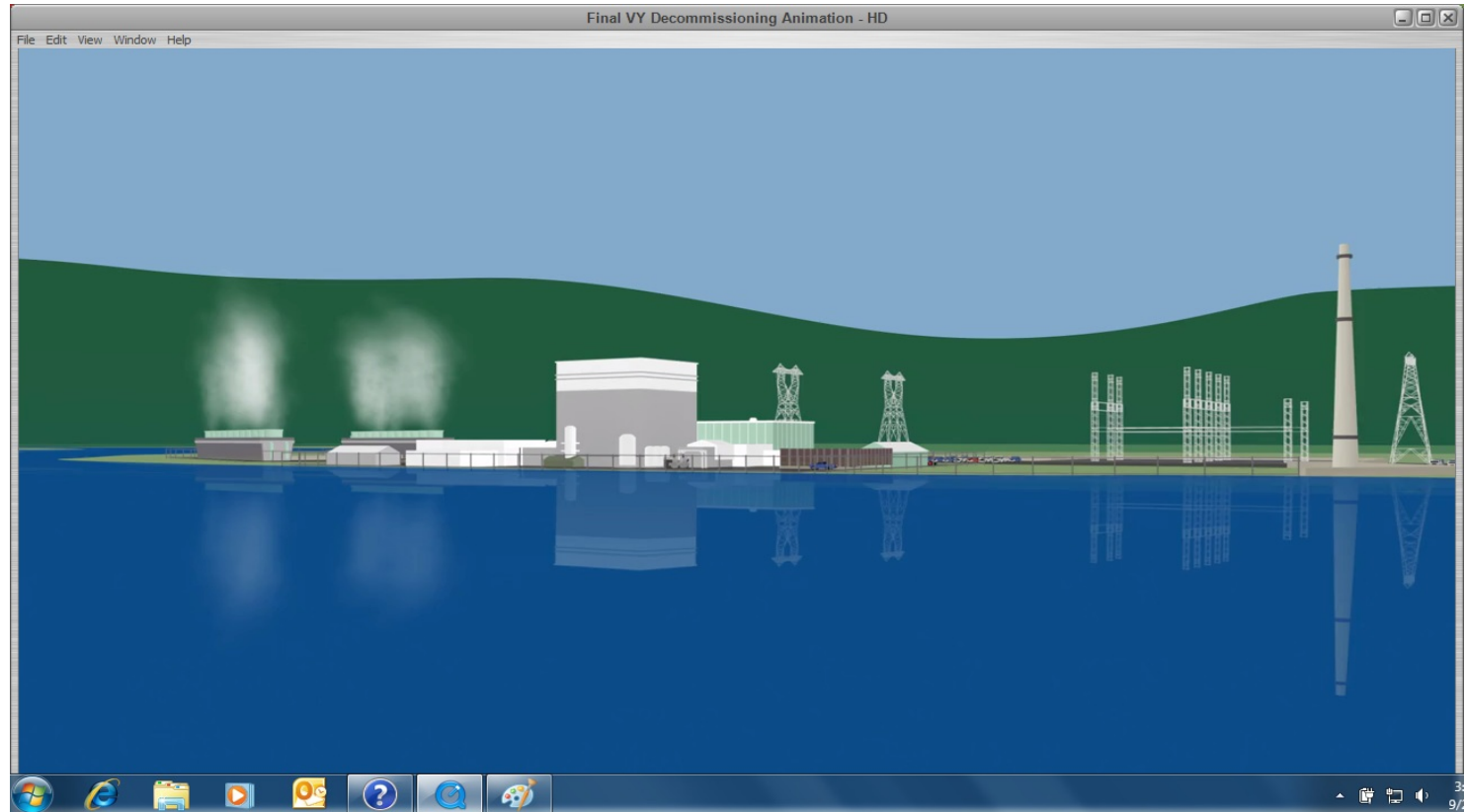


Current Spent Fuel Pool Storage



- The Spent Fuel Pool currently stores the majority of fuel used at EVY.
- Thirteen (13) Dry Cask Storage Casks are safely loaded and stored on the first of two planned storage pads.
- An application for a second pad has been submitted to the Public Service Board (PSB) seeking a Certificate of Public Good (CPG)
- A total of fifty-eight (58) Dry Cask Storage Casks will house 3,880 spent fuel assemblies on the two pads.
- All fuel is planned to be transferred to Dry Cask Storage by late 2020.

Decommissioning Animation



Focused on Safe Transition to Dry Fuel and Dormancy

- ▶ Continued Compliance with the Settlement Agreement/MOU
- ▶ Decommissioning Preparation Activities
 - System Draining/Lay-Up
 - Building Power Removal to “Cold and Dark”
- ▶ Completion of Transferring Spent Fuel from Pool to Pad
- ▶ Ongoing Environmental Monitoring
- ▶ Establishment of Site Restoration Standards with the State of Vermont
- ▶ Site Characterization and Select Structure/Building Removal