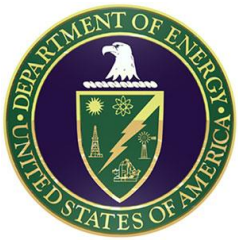


DOE/NYSERDA Path Forward to Phase 2 Decommissioning Decisions

**for the West Valley Demonstration Project and
the Western New York Nuclear Service Center**

February 26, 2014



Phased Decisionmaking



- Phased Decisionmaking ROD
- Phase 1 Decommissioning Plan

- Final Decommissioning ROD
- Phase 2 Decommissioning Plan

Phase 1 Decommissioning (Complete by 2020*)

Phase 1 Facility Disposition

- Relocate 275 HLW Canisters to new dry cask storage facility
- Demolish Vitrification Facility (Vit) and Main Plant Process Building (MPPB)
- Remove ancillary facilities
- Ship legacy Low-Level Waste

Phase 1 Soil Remediation

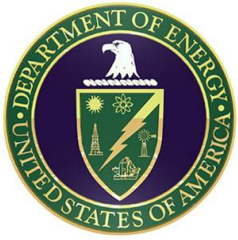
- Remove Below-Grade Portion of MPPB (including source area of plume), Vit, 01-14
- Remove Lagoons and Liquid Waste Treatment Facility
- Ship Legacy TRU Waste
- Remove Remote Handled Waste Facility and remaining ancillary facilities
- Remediate all WMA 1 & 2 Soil

* Based on funding at \$75 M/yr

Phase 2 Decommissioning (Decisions made by 2020)

Phase 2 Decisions

- HLW Canister Shipment (permanent disposal decision)
- Closure decision for Waste Tank Farm
- Closure decisions for NRC-Licensed Disposal Area and State-Licensed Disposal Area (SDA)

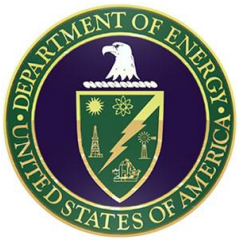


Path Forward to Phase 2 Decommissioning Decisions

DOE and NY SERDA have developed an integrated approach for making Phase 2 decisions for the West Valley Demonstration Project (WVDP) and the Western New York Nuclear Service Center (Center).

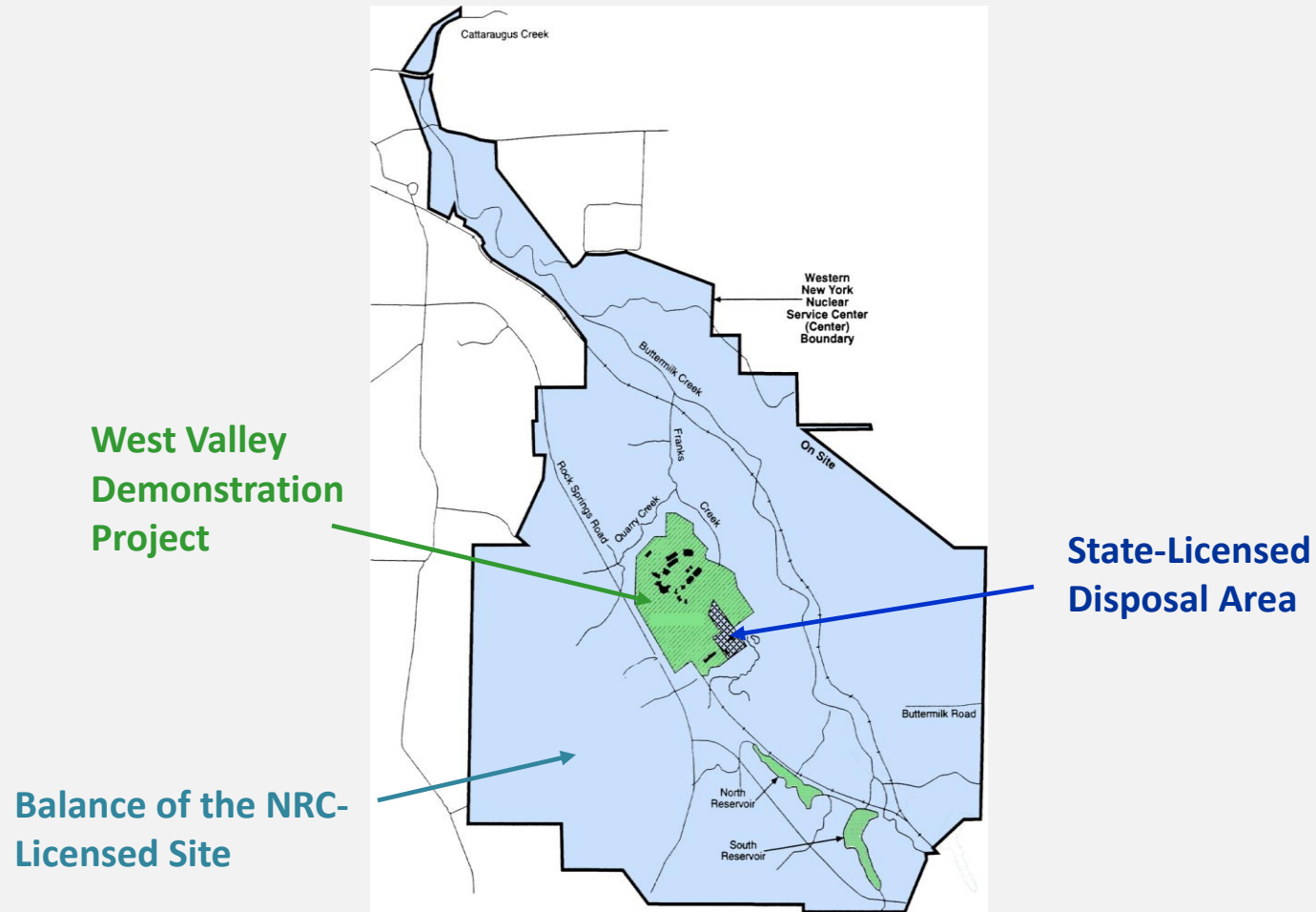
This approach includes:

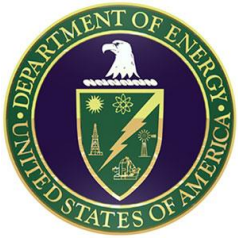
- Framework for analyzing the entire Center
- Addressing uncertainty in the Phase 2 analysis
- Decisions for all facilities
- Supplemental EIS



Path Forward to Phase 2 Decommissioning Decisions

Framework for Analyzing the Entire Center

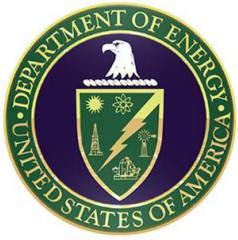




Path Forward to Phase 2 Decommissioning Decisions

Framework for Analyzing the Entire Center

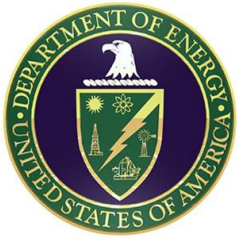
- U.S. Nuclear Regulatory Commission's (NRC) Final Policy Statement applies to the WVDP and the NRC-Licensed portion of the Western New York Nuclear Service Center (Center).
- NRC's Policy Statement does not apply to the State-Licensed Disposal Area (SDA), however the NRC supports a coordinated approach for the entire NRC-Licensed site and the SDA.
- DOE and NYSERDA have agreed to use the NRC's License Termination Rule criteria as prescribed in the NRC's West Valley Policy Statement as the framework to evaluate all facilities at the WVDP and Center, including the SDA.
- This integrated approach will provide a consistent and equal analysis for all facilities at the Center.



Path Forward to Phase 2 Decommissioning Decisions

Addressing uncertainty in the Phase 2 analysis

- Uncertainty in the long-term analysis was at the heart of many of the technical issues raised with respect to the 2010 FEIS.
- Phase 1 Studies are underway to address specific technical issues. Other data collection activities will also help to identify and reduce uncertainty.
- Approach will build upon the 2010 FEIS deterministic performance assessment and incorporate probabilistic analytical methods.
- Deterministic and probabilistic sensitivity studies will be used to identify key uncertainties and provide focus for data collection and model development efforts.
- A probabilistic performance assessment will be prepared to evaluate uncertainty and to provide an estimate of the uncertainty in the long-term site analysis.



Path Forward to Phase 2 Decommissioning Decisions

Decisions for all facilities

The integrated approach will support making Phase 2 decisions for all remaining WVDP and Center facilities, including:

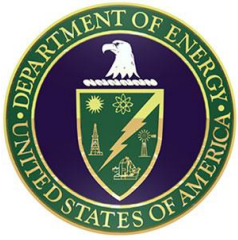
- High Level Waste Tanks
- NRC-Licensed Disposal Area
- State-Licensed Disposal Area
- Construction Demolition and Debris Landfill
- Non-Source Area of the Plume
- Surface water streams
- Cesium Prong
- Balance of the Center Property



Path Forward to Phase 2 Decommissioning Decisions

Decisions for all facilities



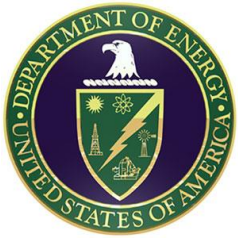


Path Forward to Phase 2 Decommissioning Decisions

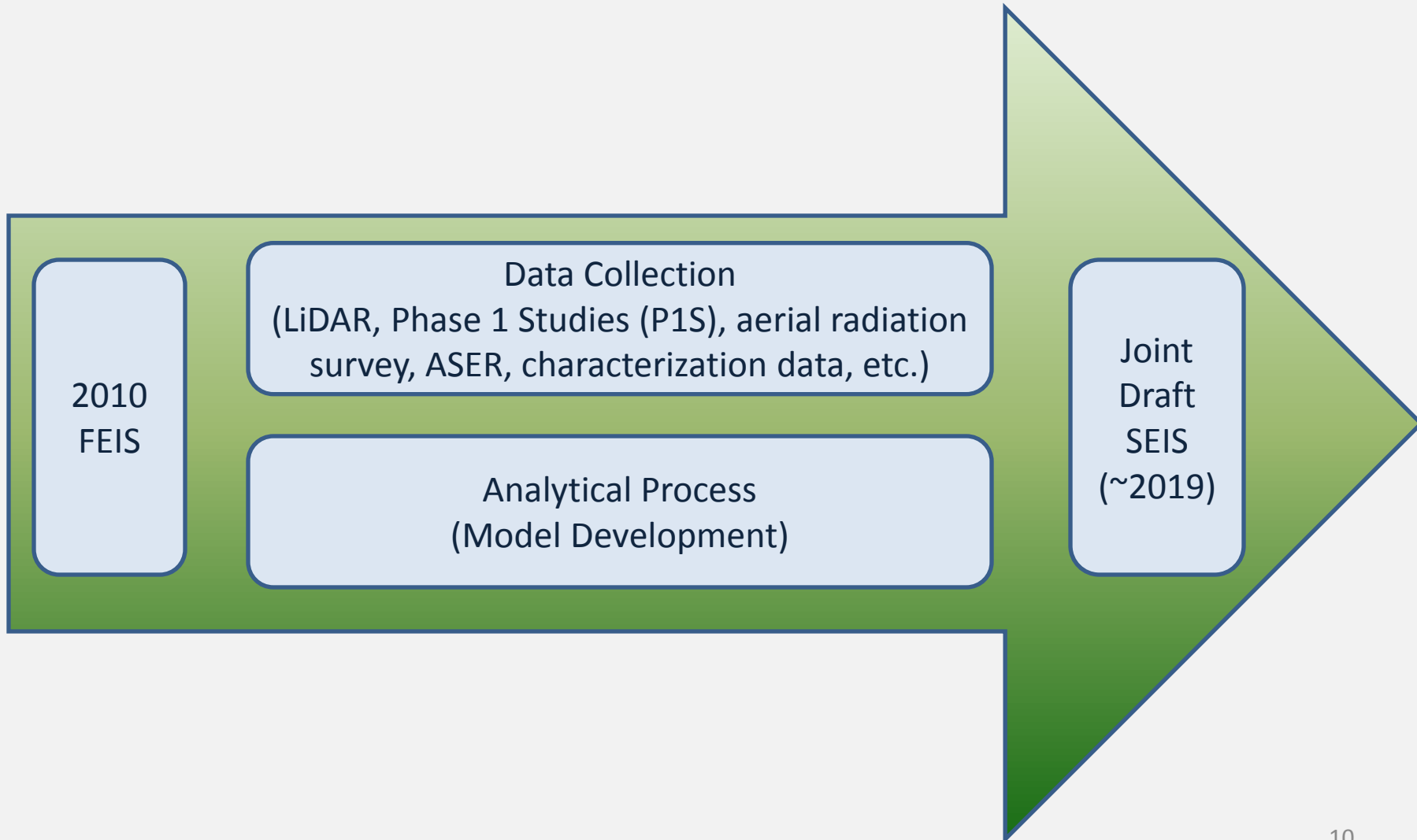
Supplemental EIS

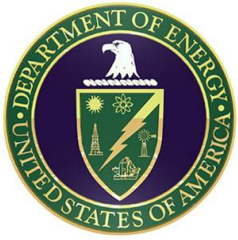
DOE and NYSEERDA have agreed to prepare a Supplemental Environmental Impact Statement (SEIS) to support the Phase 2 decisions:

- The SEIS will be prepared under a jointly managed contract.
- The agencies will share the cost of the SEIS equally.
- The probabilistic performance assessment and estimate of uncertainty will be useful inputs to the SEIS analysis.



Path Forward to Phase 2 Decommissioning Decisions

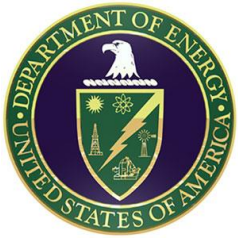




Path Forward to Phase 2 Decommissioning Decisions

Next Steps

- Execute Probabilistic Modeling Contract (2014)
- Model Development (2014-2017)
- Continue ongoing data collection activities such as: LiDAR, aerial radiation survey, characterization work and P1S (2014-2017)
- Execute NEPA/SEQRA contract (2017)
- Issue Joint DOE/NYSERDA Draft SEIS for stakeholder review and comment (2019)
- Publish Joint DOE/NYSERDA Phase 2 Final SEIS (2020)
- Publish Phase 2 DOE ROD and NY SERDA Findings Statement (2020)



Path Forward to Phase 2 Decommissioning Decisions

Summary

- NYSERDA and DOE have agreed on a path forward for making Phase 2 decisions for the WVDP and Center.
- We will use an integrated, consistent approach to evaluate all of the facilities and contamination at the Center, including the SDA.
- Sensitivity studies will be used to focus data collection and modeling efforts and a probabilistic performance assessment will be used to help address uncertainty.
- The agencies will prepare a joint Supplemental EIS for the Phase 2 decisions.
- This approach presents a path forward for making the Phase 2 decisions and allows the agencies to continue to move forward in a cooperative manner.