



# West Valley Demonstration Project



## Project Update





# WVDP Safety

TRC 1.0  
DART 0.5

- ◆ On February 23, WVDP achieved 4,717,200 safe work hours – 222 weeks – without a lost time work injury or illness
- ◆ Dent in Drum Cell Drum
  - Dented a Drum Cell drum while the drum was being prepared for packaging
  - Inspection and survey indicated no container breach
- ◆ Dropped Box Containing Pump
  - Dropped box containing a spare pump from forktruck



Box size: ~ 27 ft long, 3 ft wide, 3 ½ ft high  
Box weight: ~ 3,377 lbs



February 28, 2007, CTF Meeting

19000\_2



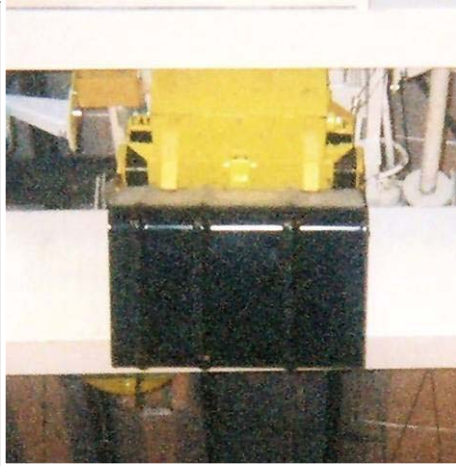
# Plan the Work, Work the Plan

- ◆ Jan – June 2007 Work
  - Continue Main Plant D&D
  - Ship Drum Cell drums for off-site disposal
  - Characterize, process, package and dispose of Legacy LLW
  - Process 22 boxes of remote-handled LLW, MLLW and TRU waste in the Remote Handled Waste Facility
  - Demolish Maintenance Shop, Maintenance Storage Area, Test & Storage Building, Old Schoolhouse and Old Warehouse
  - Investigate options for installing a cap on the NDA
  - Evaluate plans for managing North Plateau Groundwater Plume
  - Evaluate alternatives for dispositioning existing contaminated liquid wastes on site, including waste tank farm liquids
  - Continue with Core Team efforts
  - Prepare for contract transition





# 2006 Drum Cell Shipping Strategy



1.) Drums removed from storage



3.) Moved onto pallet



5.) Loaded and shipped via truck to NTS



2.) Surveyed and turned upright



4.) Secured, covered, and staged

## Method Summary

- 6 drums per pallet
- ~15 drums prepared per work shift
- Each drum considered a waste package
- 1524 drums shipped in 2006



# '07 Drum Cell Shipping Objectives

## 2007 Objectives

- Safely ship up to 18,000 drums by June 30
- Maximize production rates
- Minimize transportation costs

## 2007 Strategy

- Package drums in bags
- Simultaneous use of two drum packaging areas
- Transport off site via rail



*Package finalization area under construction*



*Gondola cars to be used for transport \**



*Bags of drums loaded into cars \**

\*Representation of the process to be used at WVDP





# '07 Drum Cell Packaging Efficiencies



1.) IP-2 bag readied for drums



3.) Drum lowered into bag



5.) Shipment-ready packages staged for loading



2.) Drum retrieved from storage



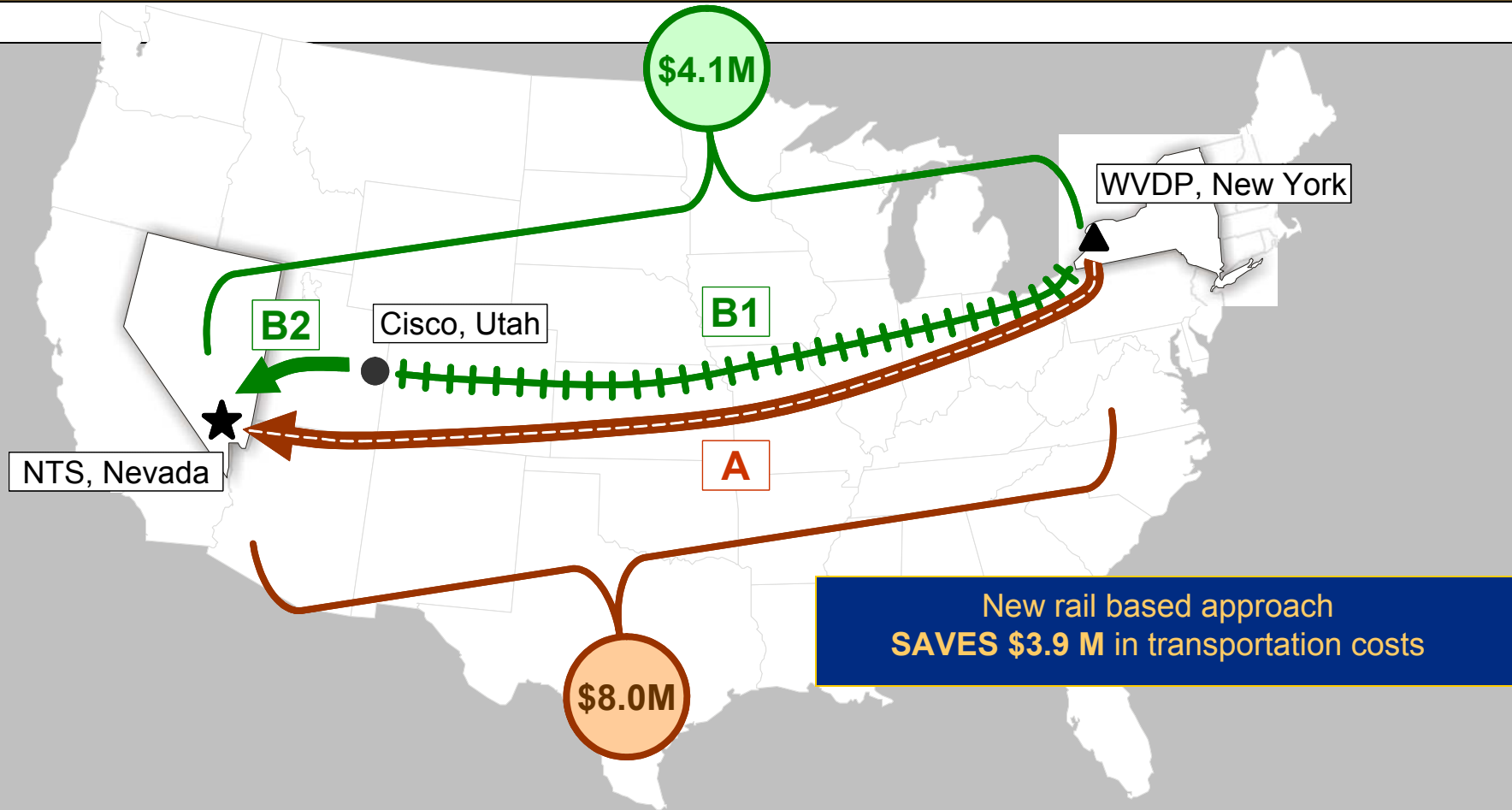
4.) Sealed bag surveyed, weather cover applied

## Method Summary

- ~40 drums prepared per work shift (167% increase in production)
- Each bag of 6 drums is a waste package
- First rail shipment mid- March
- Prepared to ship all 18,000 drums



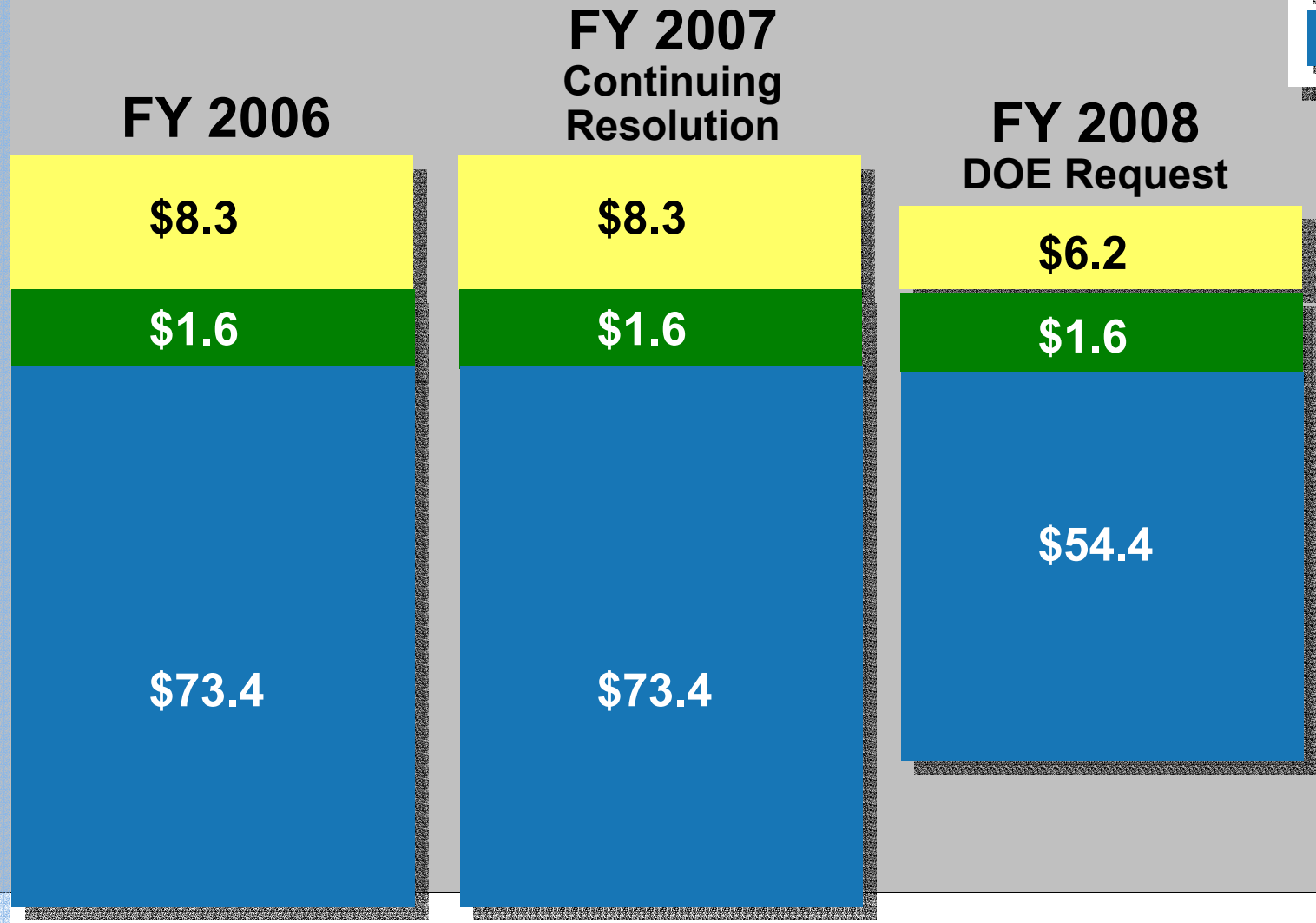
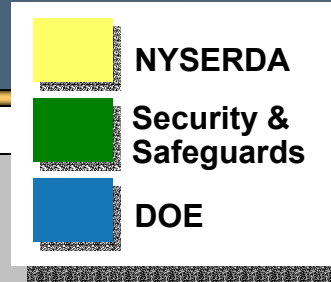
# Cost of Shipments: Rail vs Truck



Old Approach	New Approach
A: 2,500 miles one way, 515 Truck shipments, 36 drums each	B1: 2,000 miles one way, 20 trains, 5 cars each, 900 drums per train B2: 500 miles one way, 515 truck shipments, 36 drums each



# Funding







# '08 Work Accomplishments

- ◆ Continue safe site maintenance activities
- ◆ Continue Core Team process and complete Draft Decommissioning / Long Term Stewardship EIS and issue for public comment
- ◆ Continue cleanup work
  - Decontaminate cells/areas in Main Plan and Vitrification Facility
  - Ship LLW from Main Plant D&D
  - Continue processing high-activity waste through the Remote Handled Waste Facility
  - Ship remaining Legacy LLW (~ 600 cubic meters)



# Ongoing Activities

## ◆ Surplus Equipment

—Auction: First of three scheduled for March 10

- 7020 Henrietta, Springville NY
- [www.cashauction.com](http://www.cashauction.com)

—E-Bay

- [www.mattesoncorners.com](http://www.mattesoncorners.com)

## ◆ Core Team

—Core Team met Jan 17-18 and Feb 5-6

- Focused discussion on High-Level Waste Tanks
- Next meeting: March 6-8

## ◆ Contract Status