



ENERGY SOLUTIONS

EnergySolutions – Application of Past Experience
for Nuclear Power Plant D&D Success

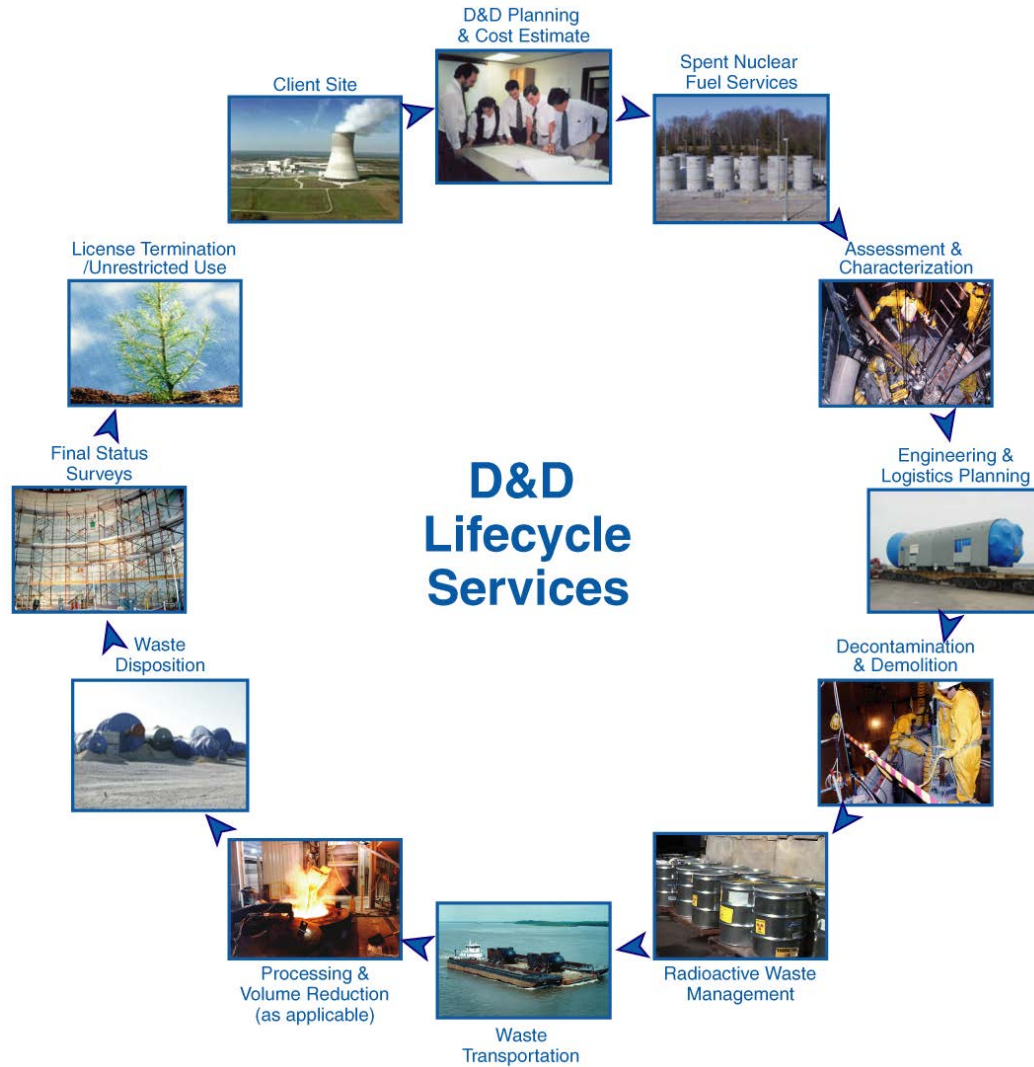
Presenter: Colin R. Austin

Senior VP, International Business, EnergySolutions

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Overview of *EnergySolutions*



Extensive D&D Experience



Fort St. Vrain



Maine Yankee



Connecticut Yankee



Yankee Rowe



Big Rock Point



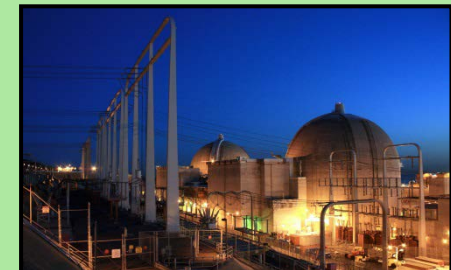
Rancho Seco



Zion (in progress)



La Crosse (in progress)



SONGS (in progress)

Current D&D Projects

Zion: License Transfer, including NDT



SONGS: Decommissioning General Contractor (Teamed with AECOM)



La Crosse: License Transfer, excluding Nuclear Decommissioning Trust (NDT)



- Energy *Solutions* acquired the Zion plant on September 1, 2010
 - 10 CFR 50 Licenses and NDT transferred from Exelon to *Zion Solutions*
- 10-Year Maximum Completion Schedule
 - 12-14 years earlier than Exelon's previous schedule
 - Physical work & Final Survey Completed in 7.5 years

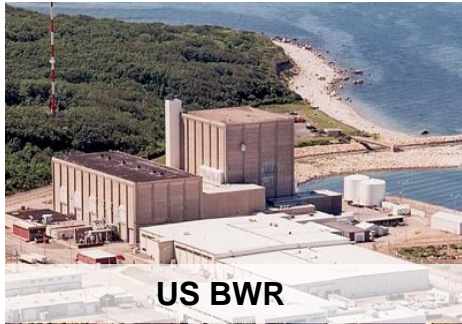
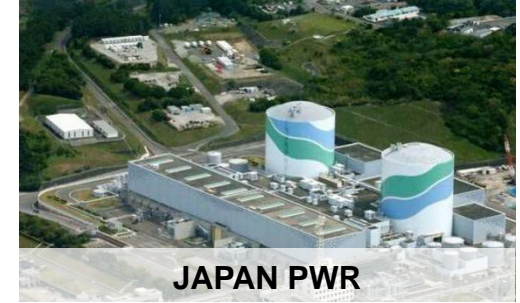
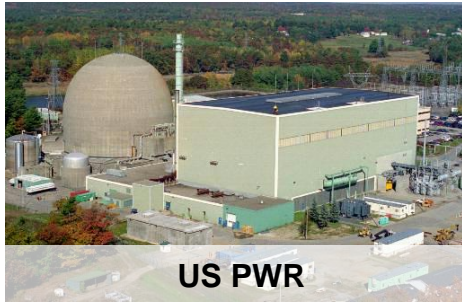
	Exelon's Schedule	Zion <i>Solutions</i> ' Schedule
D&D Planning Start	2013	2010
D&D Operations Start	~2015	2010
Site Restoration Complete	2032	2020 2018

- JNFL (IHI)
 - Vitrification Technology Support (Rokkasho)
- TEPCO (Toshiba / MKC)
 - Fuel Pool Processing Equipment (Fukushima Daini)
 - ALPS Water Processing (Fukushima Daiichi)
- JAPCO (Japan Atomic Power Company)
 - D&D Collaboration NPP D&D (Tsuruga-1)
- NDF (Nuclear Damage-Compensation D&D Facilitation Corp)
 - Waste Management Guidelines (Fukushima Daiichi)

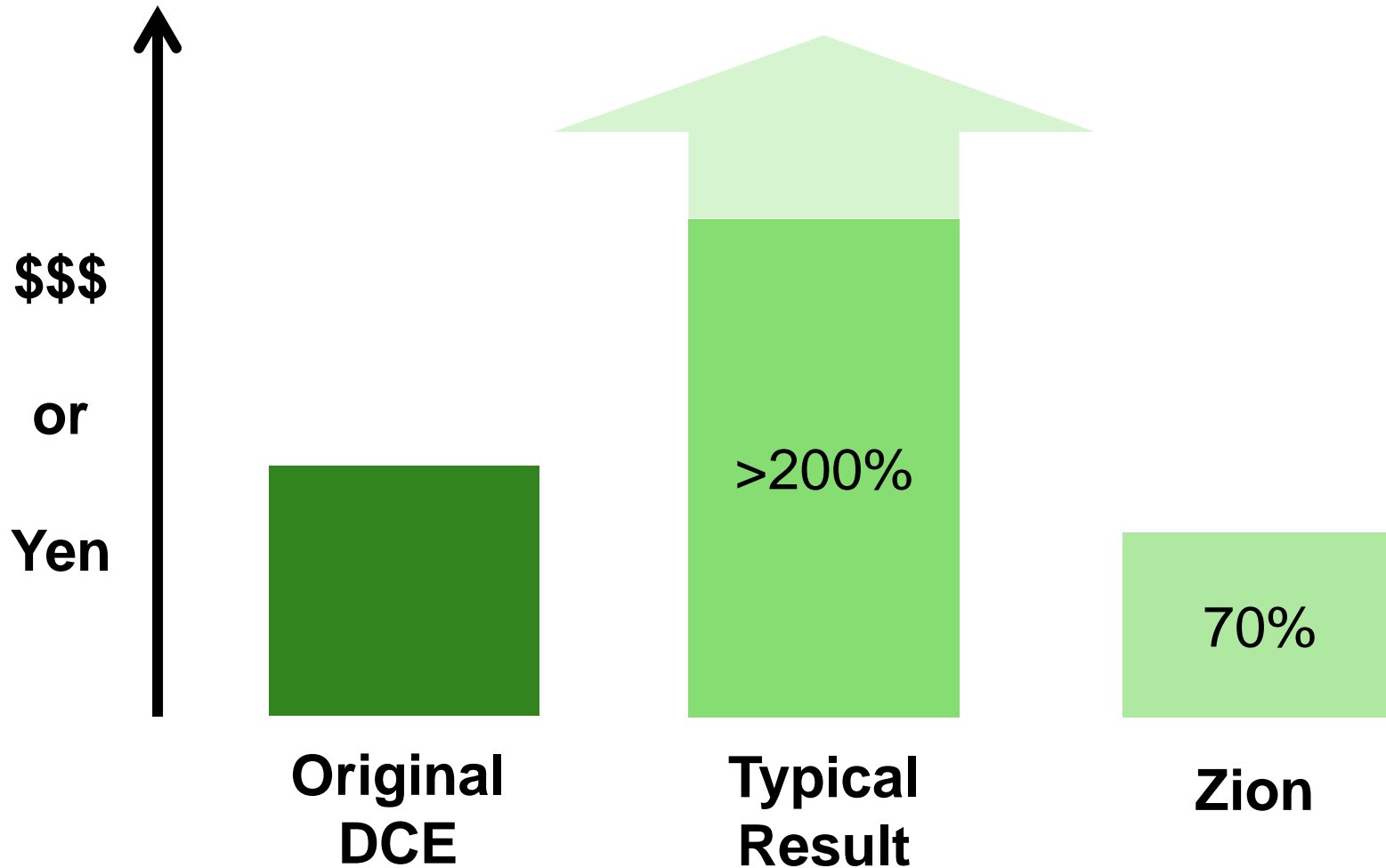


What do we see?

D&D is a Waste Management Strategy



D&D Cost Experience



Safety



Compliance



**Non-
Negotiable**

Cost

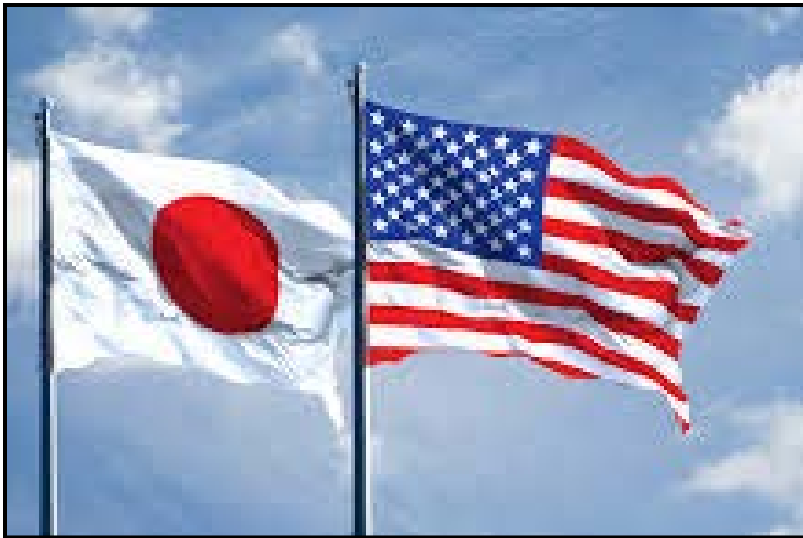


Strategic Priorities

Schedule / Waste Management

Working with Japan Atomic Power Company (JAPC)

- Collaborative Study
- D&D Baseline Development / Planning
- Worker Exchange / Mentoring – Zion and Tsuruga-1



Experiences is transferable to Japan

- Spent Fuel Disposition
- D&D Waste Disposal
- Funding
- Operations/Engineering versus D&D

Not a Technology Issue

- US experience is **transferable** to Japan
- Successful D&D drivers:
 - **Compliance**
 - **Effective** waste management strategy
 - **Accelerated** schedules
- Repeating lessons learned **increases** costs
- Past experience **reduces** risk and costs

D&D without experience – what cost?