

## Agenda

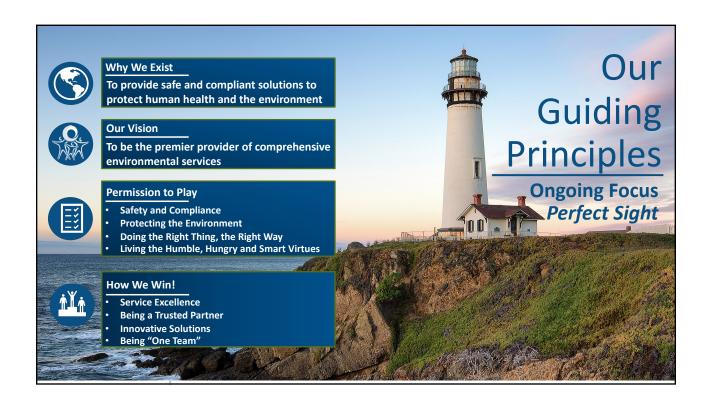
- US Ecology Overview
- US Ecology Washington Update

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- US Ecology Idaho Update
- Q&A

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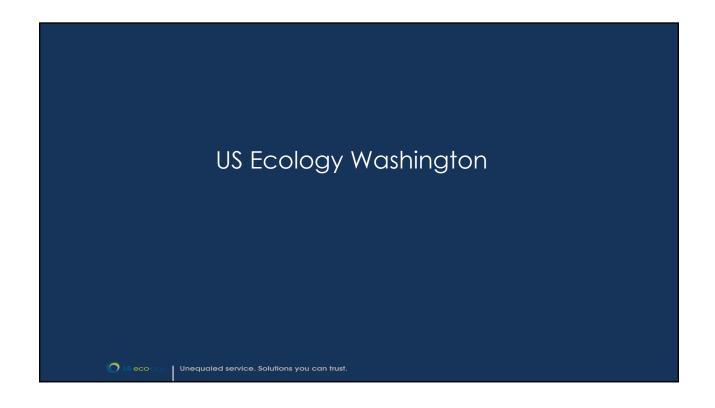




### COVID-19 Vaccination Incentive

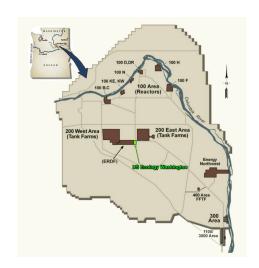
- US Ecology is implementing a COVID vaccination incentive program for our Team Members
- Up to 40 hours of additional 2022 PTO can be earned if proof of vaccination is provided prior to 10/31/21
- Partnering with 3<sup>rd</sup> party provider for tracking and to provide vaccination IDs





## US Ecology Washington: Richland Facility

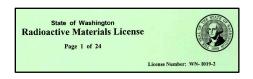
- NWIC Designated Facility. Also available to RMLLWC
- Located on 100 acres within the Hanford Reservation
- Originally licensed in 1965
- Operates through lease agreement with the State of Washington. Expires 2056
- Rate-regulated by WUTC
- Compact Class A/B/C LLRW + NARM/Exempt Nationwide



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## US Ecology Washington: Richland Facility

- WDOH license renewal submitted in Oct 2018
- License Currently in Timely Renewal
- Renewal term is 5 years



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## **USEW Annual Volumes**

2014: 20,466.8 ft<sup>3</sup> 2015: 27,400.1 ft<sup>3</sup> 2016: 21,218.1 ft<sup>3</sup> 2017: 13,809.7 ft<sup>3</sup> 2018: 15,285.5 ft<sup>3</sup> 2019: 18,695.2 ft<sup>3</sup> 2020: 12,601.5 ft<sup>3</sup>

Site has ample capacity to last through life of lease. (2056)



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# **USEW Revenue Requirement**

- USEW Operates Under a Base Revenue Requirement
  - Set by WUTC every 6 years
  - Facility Cost of Operation + 29% margin
- Adjustments to Rev Reg are allowed based on over/under collection
  - Overcollection in any category results in generator refunds
  - Uncollected amounts may be rolled over into next year's Rev Req

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# USEW Revenue Requirement

- Rates are set using generator supplied volume estimates
  - Total Rate = Rev Req / Generator Volume Estimates\*
  - Rate Total is then split into 5 categories
- **Rev Req Categories** 
  - Site Availability (22%)
  - Volume (31.6%)
  - Shipments (10.7%)
  - Containers (21.5%)
  - Dose Rate (14.2%)

\*may be adjusted using a safety margin

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# USEW Revenue Requirement Last 5 years

Year	Base RR	Total Adjustments	Final RR
2017	\$5,859,534	\$370,747	\$6,230,381
2018	\$5,976,482	\$1,895,058*	\$7,871,540
2019	\$6,151,681	\$1,727,783*	\$7,879,464
2020	\$6,255,450	\$166,477	\$6,421,927
2021	\$6,329,231	\$182,963	\$6,512,194

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# 2021 Revenue Requirement

		RR Rate Components							
		Site Availability Charge (SAC)	Volume	Shipments	Containers	Dose Rate	TOTAL		
Year	Revenue Requirement Component	22.0%	31.6%	10.7%	21.5%	14.2%	100%		
2021	Base Revenue Requirement	\$1,392,430	\$2,000,037	\$677,228	\$1,360,785	\$898,751	\$6,329,231		
2020	Carryover	\$100,757	\$0	\$82,207	\$0	<b>\$</b> O	\$182,963		
2021	SAC Under-recovery Allocated to Other Rate Components	(\$603,943)	\$244,674	\$82,848	\$166,472	\$109,949	_		
2021	Final Revenue Requirement	\$889,244	\$2,244,711	\$842,283	\$1,527,256	\$1,008,699	\$6,512,194		

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US Ecology Idaho

## US Ecology Idaho - Grand View, ID

- RCRA Sub-C TSDF
- Capacity: 10M+ yd³ permitted, 18M+ yd³ additionally sited
- NORM, TENORM, Exempt VLLW (Byproduct, Source, and SNM)
- High-capacity RTF with 15k feet of rail track
- New Treatment Building completed and opened in 2021







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# Project Case Study – Westinghouse CFFF

- Columbia Fuel Fabrication Facility, Columbia, SC
- Received first 20.2002 ADR Approval to USEI on 11/30/2020
- Remediation, Transportation and Disposal of East Lagoon (CaF + low concentrations of SNM) ~25pCi/g U-235









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## Project Case Study – Westinghouse CFFF

- 20.2002 ADR also includes dismantling of 526 retired UF<sub>6</sub> cannisters for disposal
- Decontaminated cannisters being segmented and packaged for T&D to Idaho

#### **Current Status**

- East Lagoon shipments are complete
- Over UF<sub>6</sub> 400 cylinders have been shipped
- Secondary ADR recently submitted to NRC
  - Similar wastes: CaF, Lagoon Sludges, UF<sub>6</sub> Cylinders, and other volumetric and surface contaminated materials
  - Specified annual volumes of material (over 4 yrs)









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## Very Low-Level Waste Considerations

- Proposed Interpretive Rule "Transfer of Very Low-Level Waste To Exempt Persons for Disposal" was withdrawn by NRC on 12/17/20
- VLLW Scoping Study On June 1, 2021, in SECY-21-0057 Results of the Very Low-Level Waste Scoping Study, NRC published that the Staff "plans to continue with the current regulatory framework for VLLW"



- 10CFR61 as LLRW
- ADRs via 10CFR 20.2002
- A/S Exemption/Authorization (BSFR, WCS)

Key Takeaway - Current commercial VLLW solutions (both capacity & access) are ample to meet forecasted NPP decommissioning needs

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## Contacts

Joe Weismann, CHP VP, Radiological Programs (208) 319-1634 Joe. Weismann@USEcology.com

Sherry Frenette Director, Rad Waste Operations

Sherry.Frenette@USEcology.com

Chad Hyslop Director of Sales – Western Region (208) 319-1604

Chad.Hyslop@USEcology.com

Tim Curtin Director of Sales - Eastern Region (973) 694-7525

<u>Tim.Curtin@USEcology.com</u>

(702) 912-7925

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