

OVERVIEW OF PORTLAND DISTRICT

COL Michael D. Helton, PMP
Portland District Commander
US Army Corps of Engineers



US Army Corps
of Engineers®





OUR MISSION & BUSINESS LINES



1. Providing Engineering Expertise



Nationally-Recognized Knowledge & Experience

- Hydroelectric Design Center
- Welding & Metallurgy
- Roller Compacted Concrete

2. Navigation



3. Water/Flood Risk Management



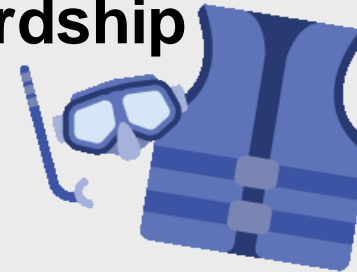
4. Hydropower



5. Aquatic Ecosystem Restoration



6. Recreation & Stewardship



7. Regulatory



8. Emergency Management



9. International & Interagency Support



10. Tribal Coordination



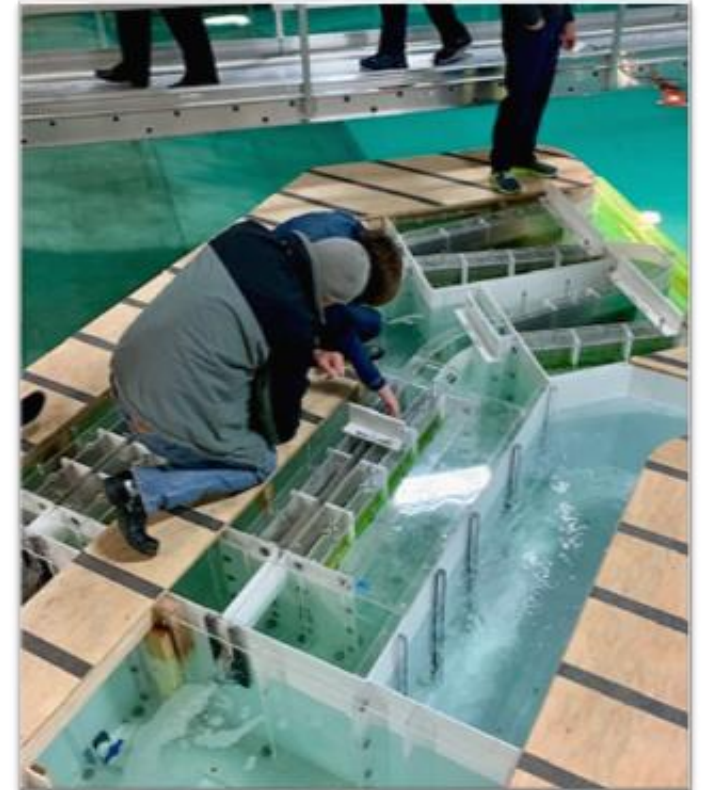


1. PROVIDING ENGINEERING EXPERTISE



The Nation's technical expert for civil works / Army's technical expert for military construction.

- **Nationally-Recognized Knowledge and Experience**
 - Hydroelectric Design Center (MCX)
 - Welding and Metallurgy (TCX)
 - Roller Compacted Concrete (TCX)
 - Coastal engineering and computational fluid dynamics (CFD) modeling
 - Pacific Climate Change studies - hydrographic survey work
 - Ecosystem restoration of aquatic habitat
 - Fish passage planning and design
- **Engineering Services**
 - Contract services to supplement our workforce
 - Contract services for specialty work
 - Work typically contracted via SATOC or MATOC
 - Occasionally stand alone A-E contracts



Cougar Fish Collection Model



2. NAVIGATION

Improving and maintaining navigation for economic development and safety.



- **Recent Accomplishments**

- Mouth of the Columbia River (MCR) North Jetty rehabilitation
- Columbia River King Pile replacement

- **Current / Future Projects**

- Jetty Repairs
 - MCR South Jetty (ongoing)
 - Tillamook North Jetty
 - Coos Bay North Jetty
- MCR Pile Dike Repairs
- The Dalles Dam Navigation Lock Miter Gate Repairs
- West Coast Channel Maintenance Dredging (ongoing)



MCR Jetty Repairs



3a. FLOOD RISK MANAGEMENT

Reducing the impacts of flooding on people, business, infrastructure, and the environment.

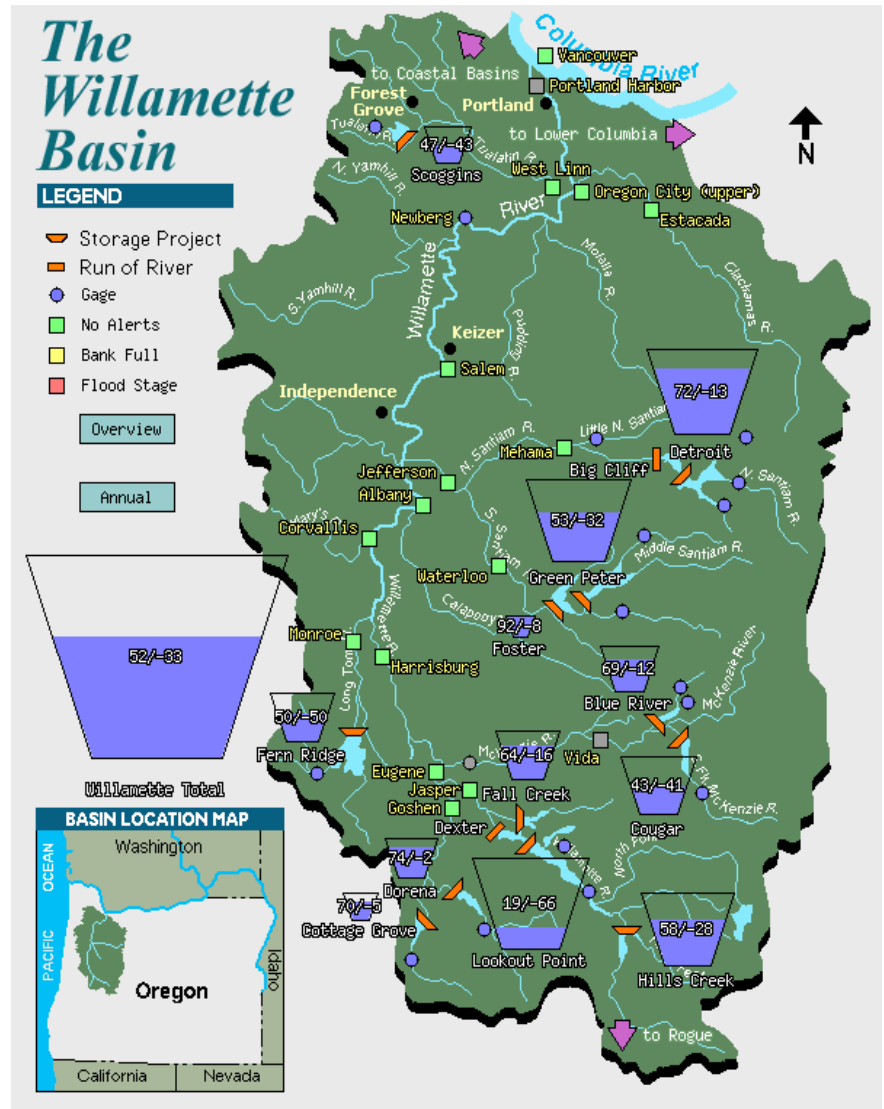


Recent Accomplishments

- Strengthening and repairs to spillway gates at Willamette Valley Projects

Current / Future Projects

- Detroit Spillway Gate Repairs (ongoing)
- Mt. St. Helens Sediment Retention Structure Spillway Crest Raise
- Support for Columbia River Treaty Negotiations (ongoing)
- Portland Metro Levee System General Investigation
- Willamette Valley Project Wildfire Repairs





3b. WATER MANAGEMENT

Providing water for hydropower generation, fish and wildlife, navigation, recreation and other purposes.

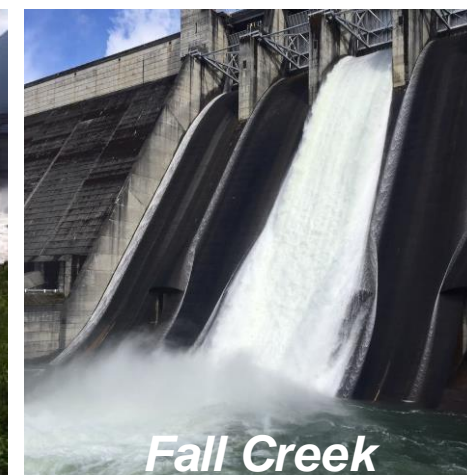


- **Recent Accomplishments**

- Flood damage reduction
- Water levels and releases balanced successfully to meet multipurpose mission

- **Current / Future Projects**

- Updating Water Control Manuals
- Hydraulic Modeling and Inundation Mapping
- Willamette Valley System Environmental Impact Statement (EIS)





4. AQUATIC ECOSYSTEM RESTORATION

Restoring significant ecosystem function, structure, and dynamic processes.



- **Recent Accomplishments**
 - Woodland Islands Ecosystem Restoration
- **Current / Future Projects**
 - Evaluation of High Head Piped Juvenile Fish Bypass
 - Lamprey Passage Improvements
 - Mt. St. Helens Fish Passage Improvements
 - Long Tom River Ecosystem Restoration



Woodland Islands beneficial use of dredged material
(Photo courtesy of Columbia River Estuary Study Taskforce)



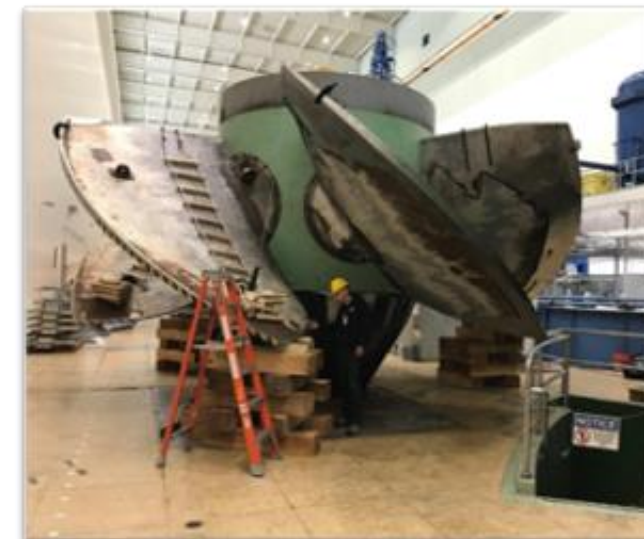
5. HYDROPOWER

Generating reliable, renewable, clean, and efficient hydropower for the Pacific Northwest.



- **Recent Accomplishments**
 - John Day Gantry Crane
 - John Day Powerhouse Roof
 - The Dalles Transformer Replacement
 - Hills Creek and Cougar Oil-Water Separators

- **Current / Future Projects**
 - John Day Unwatering System (ongoing)
 - Bonneville 1 Trash Racks
 - John Day Trash Racks
 - John Day Turbine Rehab and Generator Rewind
 - Green Peter Bridge Crane
 - Detroit Transformers (both Supply and Install)



The Dalles Main Unit



John Day Transformer Replacement

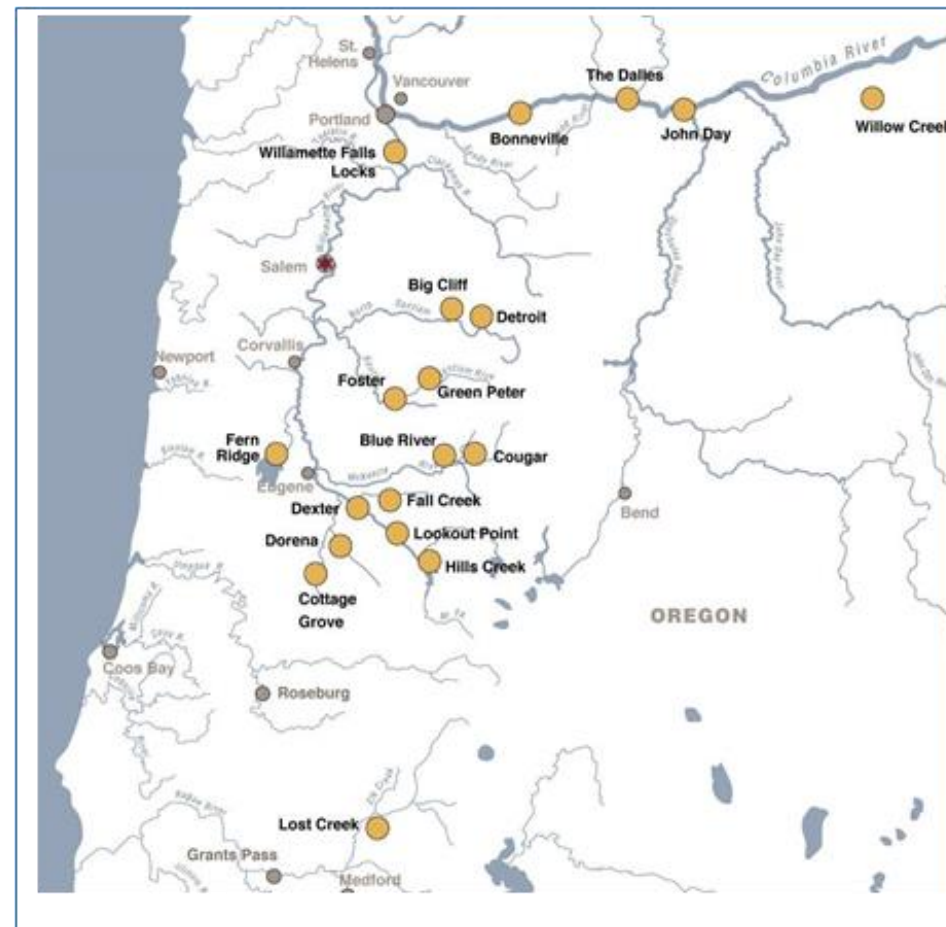


6. RECREATION AND ENVIRONMENTAL STEWARDSHIP



Enhancing quality of life in the region and preserving, managing and improving our nation's public lands and waters.

- **Recent Accomplishments**
 - Over 4M annual visitors, and >1,000 volunteers
 - 15 active partnerships with public and non-profit organizations supporting recreation
 - Paving of Pine Meadows Campground at Cottage Grove Lake
- **Current / Future Projects**
 - Post-wildfire hazard mitigation in the Willamette Valley
 - Electrical and Lighting Upgrades at John Day and The Dalles Projects
 - Gate Attendant Contract at John Day
 - Bradford Island Visitor Center exhibit panels
 - Master Plan update of Willamette Valley Project
 - Gabion Bridge repair at Lost Creek Lake



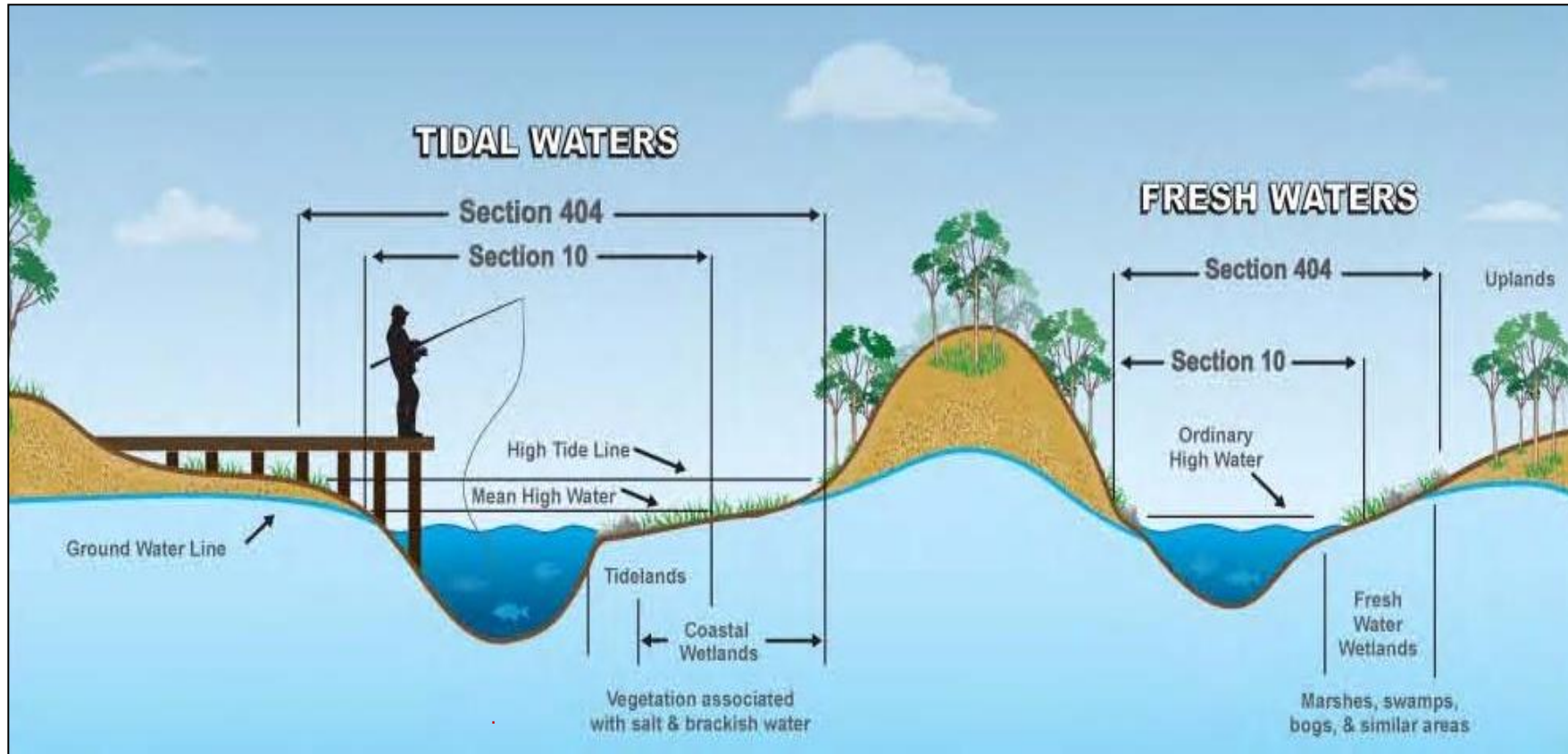
District Recreational Facilities



7. REGULATORY PROGRAM



Protecting the nation's aquatic resources and navigation capacity, while allowing reasonable development to occur.



Regulatory Branch has jurisdiction over the state of Oregon, southern Washington ports and restoration projects in the Columbia River estuary funded by the Bonneville Power Administration.



8. EMERGENCY MANAGEMENT



Supplementing state and local agencies when a disaster exceeds their capabilities.

- **Recent Accomplishments**

- Overseas Contingency Operations Support Deployments
- GIS, Dam and Levee Safety Support
- City of Pendleton Levee Repairs
- COVID-19 Alternate Care Facilities

- **Current Projects**

- Multiple Wildfire Responses - Debris removal and temporary housing
- Overseas Contingency Operations Support

- **Upcoming Missions**

- We are always training and preparing for response operations
- Needs and opportunities for Industry will be dependent on response requirements



View of Cougar Intake Tower



Fire Approaching Detroit Dam



9a. INTERNATIONAL & INTERAGENCY SERVICES



Providing technical assistance to federal agencies, state and local governments, tribal nations, and private U.S. Firms.

- **Recent Accomplishments**

- GDACS O&M support to Bureau of Reclamation
- Technical support to local Diking Districts

- **Current/ Future Projects**

- Department of Veterans Affairs –
 - Portland Medical Center Seismic Upgrade / Rehabilitation Project (see next slide)
 - White City Medical Center Retrofit and Renovation (see next slide)
- Mount St. Helens/Spirit Lake Outlet Tunnel – Intake Gate Replacement
- GDACS installation at Bureau of Reclamation dams, and O&M support
- BPA – Dexter and Foster Dams 115kV circuit breaker replacement design



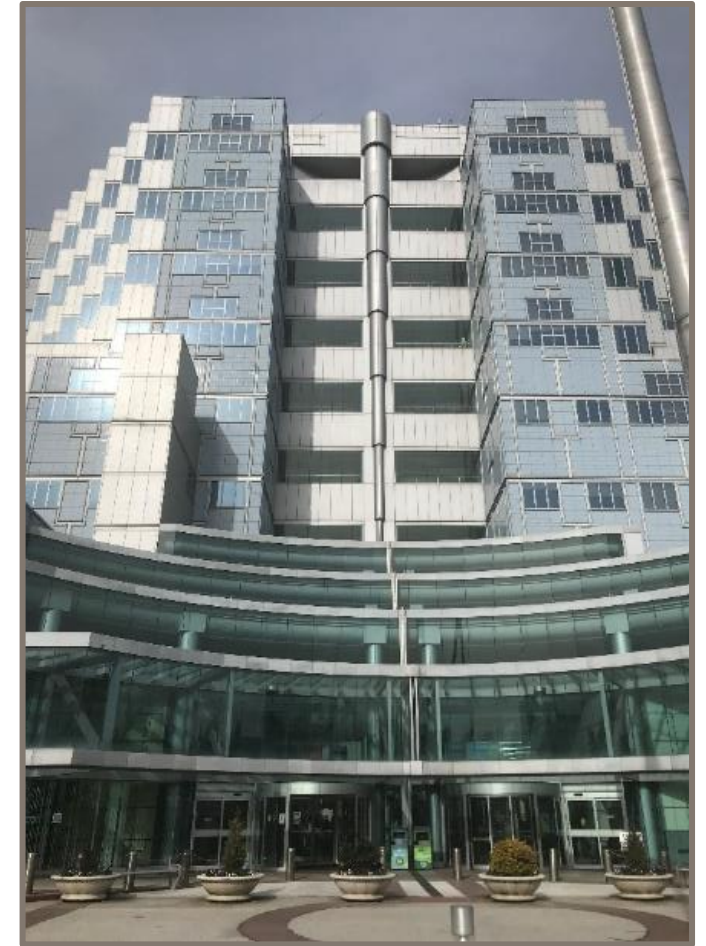
9b. DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTERS



- Portland VA estimated total project cost \$600M to \$700M
 - NWP is leading design and construction
 - Phase 1 (\$400M) currently in design (35% complete)
- VA in White City initiated (\$250M); design start in FY22



White City VA Rehabilitation Center



Portland VA Rehabilitation Center



10. TRIBAL TRUST

Fulfilling our unique responsibilities to Indian tribes through consultation, protection of trust resources, recognition of Treaty reserved rights, and partnering on water resources projects.



- **Recent Accomplishments**
 - Temani Pesh-Wa petroglyph relocation
- **Current/ Future Projects**
 - Columbia Basin Fish Accords – Lamprey passage
 - Tribal Partnership Program Outreach
 - Tribal Housing (The Dalles Pool)
 - John Day River Fencing



Temani Pesh-Wa petroglyph relocation



USACE, PORTLAND DISTRICT SMALL BUSINESS GOAL ATTAINMENT



Total US Business	Dollars
Small Business Eligible	\$172,425, 373

Socio-Economic Category	FY21 SB Obligated Thru 7 Jun 21	Statutory Goal	FY21 SB % Actuals	FY21 SB Assigned	% of Goal Achieved
Small Business	\$125,338,020	23 %	72.69%	40%	100%
Small Disadvantaged Business	\$25,432,734	5 %	14.75%	4%	100%
Service Disabled Veteran Owned SB	\$89,477,151	3 %	51.89%	29%	100%
Woman Owned SB	\$7,265,036	5 %	4.21%	3.3%	100%
HUBZone SB	\$89,959,670	3 %	52.17%	29%	100%



HOW TO REACH US



Contracting and Small Business Information

- Federal Business Opportunities: www.fbo.gov/ (Keyword/Solicitation # W9127N)
- Washington State Procurement Technical Assistance Centers: washingtonptac.org/
- Oregon State Procurement Technical Assistance Center (PTAC): www.gcap.org/

Contracting

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Small Business

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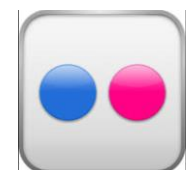
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<https://twitter.com/PortlandCorps>



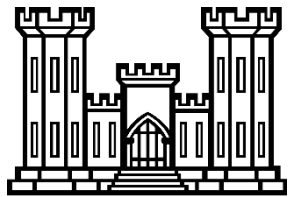
www.youtube.com/user/PortlandCorps



www.flickr.com/photos/PortlandCorps

Upcoming FY21-23 Known Opportunities Listing

- <https://www.nwp.usace.army.mil/Business-With-Us/Small-Business/>
- <https://www.nwp.usace.army.mil/Business-With-Us/Contracting/>



150th Birthday

