

Oregon Department of Environmental Quality

Information Technology Update

January 2018

Presenters: Scott Brewen, Angel Gillette

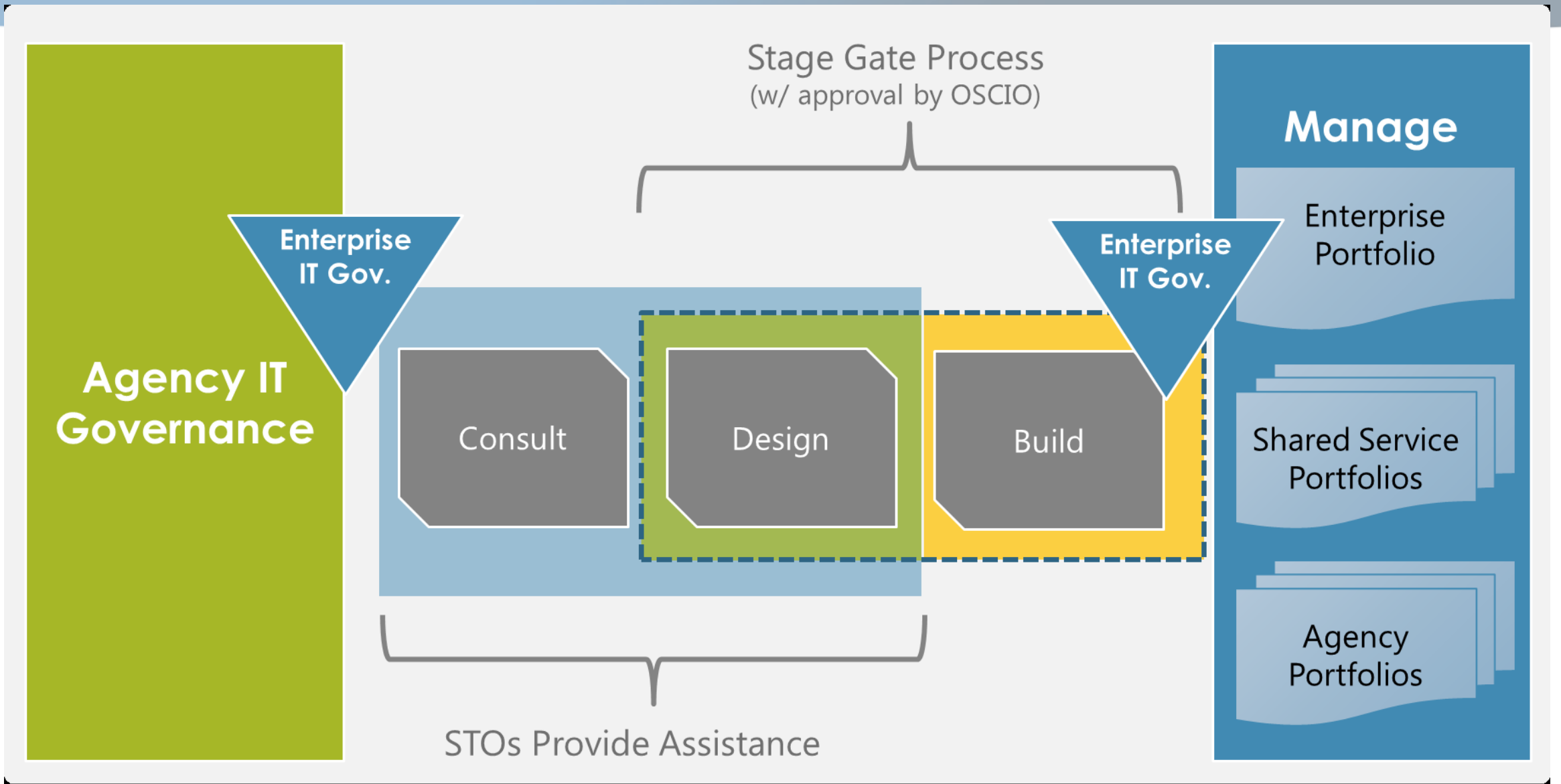


OSCIO Update

- Moving from project consulting to portfolio management
 - Focus shifts from primarily project consultation to portfolio management:
 - Policy Oversight
 - Shared Services
 - Enterprise Technology Services
 - Enterprise Security Office
 - Dedicated service teams:
 - Senior IT Portfolio Manager
 - IT Investment/Oversight Analyst
 - Strategic Sourcing Specialist
 - ETS Account Managers
 - ESO Policy and Security Experts

ENTERPRISE ALIGNMENT



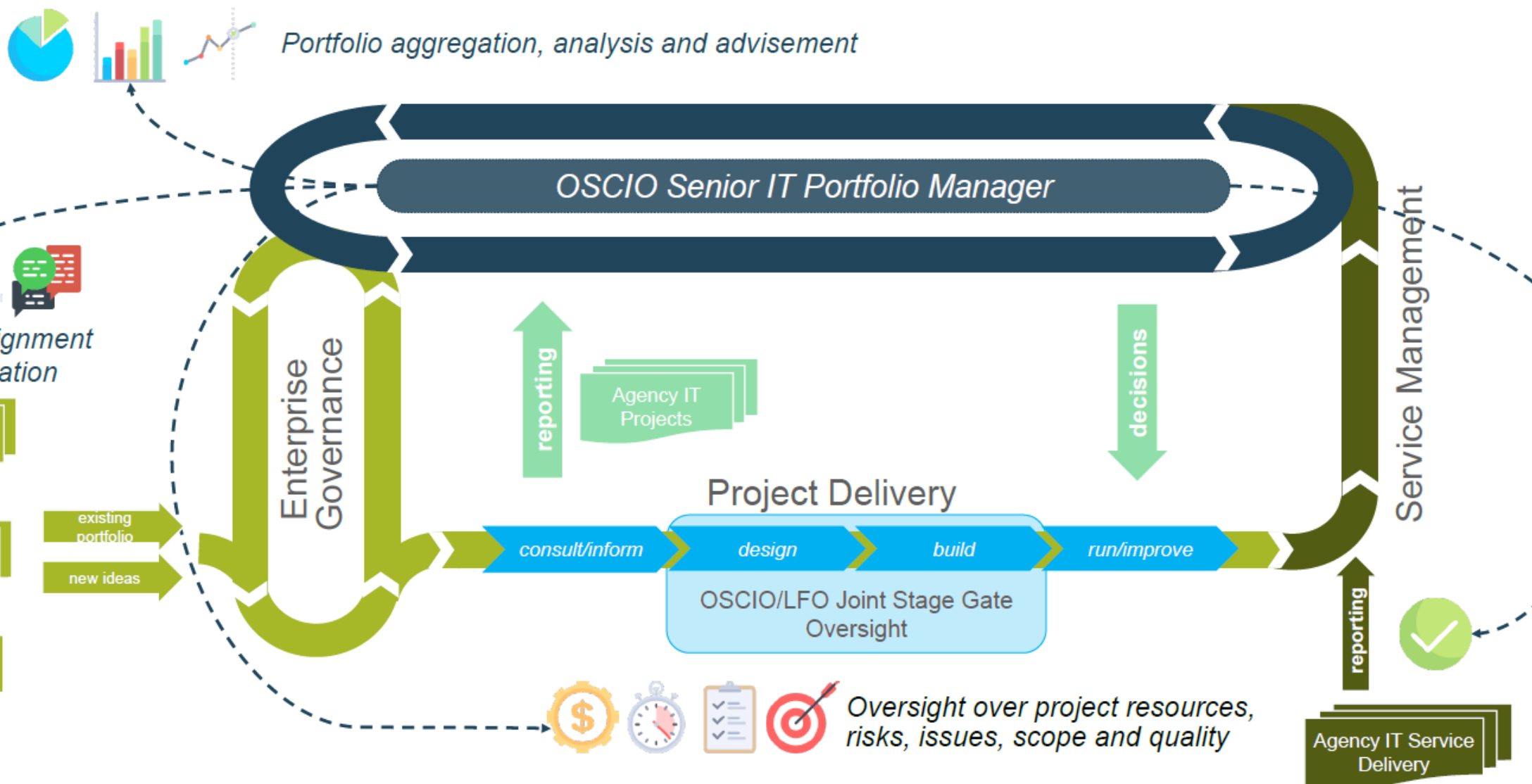


2. OSCIO Roles/Responsibilities

Changes, improvements and challenges
remaining within OSCIO tied to HB 3099 (2015)

IT Portfolio Management

transitioning from project consulting to **portfolio management**



DEQ – Information Resource Management

- The IRM Project was formally chartered on August 24, 2017.
- Intended outcomes of this project are twofold;
 - Provide a shared vision in decision-making and organizing the use of information resources across the agency
 - Provide a framework for planning, managing and delivering IT solutions to the agency.
- Purposeful – IT is a strategic partner in alignment with DEQ' Strategic Business Plan
- Unified – IT is integrated as an agency core function
- Deliberate – IT actions are intentional and planned, not reactive



Strategic Goals of IRM

- **Strategic Goal 1 - “Supporting our stakeholders”** Integrating high quality information and IT solutions for excellent service delivery.
- **Strategic Goal 2 - “Stewardship of the enterprise IT resources”**
Assigning resources through the cost-effective management of information and IT solutions.
- **Strategic Goal 3 - “Enhancing information security”** Protecting the integrity of agency information by strengthening our cybersecurity efforts with technology and human resources.
- **Strategic Goal 4 - “Invest in our workforce and partnerships”**
Building IT skills, resources and partnership to achieve environmental benefit.



IRM Deliverables

- Strategic Plan 2018 - 2021
 - Defines the agency's strategy regarding IT decisions and allocating resources
- Tactical Plan 2018 - 2021
 - Steps needed to achieve the strategic goals
- Operations Plan 2018 -2021
 - Products and services needed to achieve the strategic goals



Oregon Department of Environmental Quality

Environmental Data Management System (EDMS)

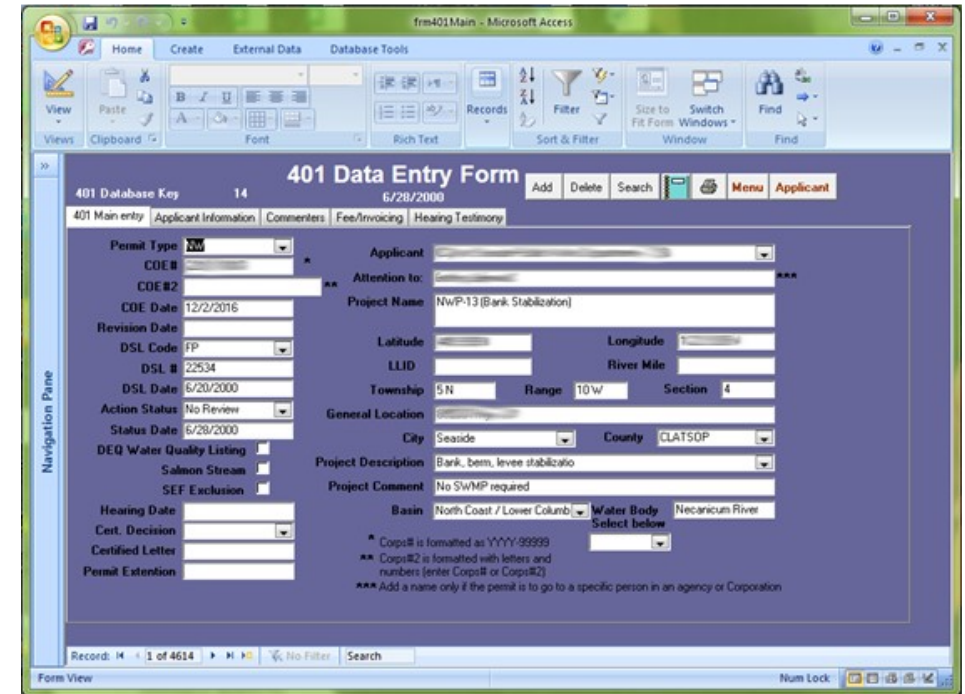
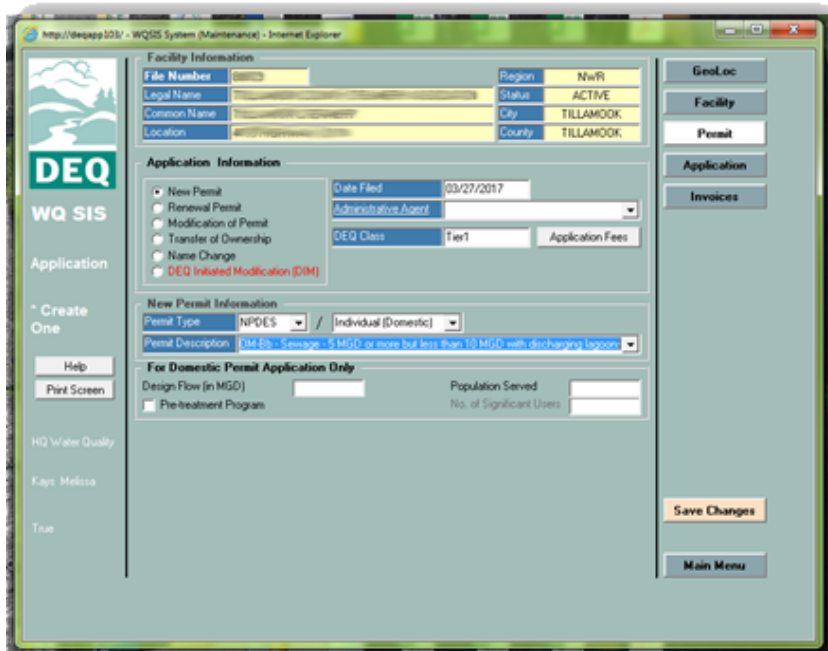
January 2018

Presenters: Richard Whitman, Scott Brewen, Angel Gillette



Current State of Business Systems

- Majority of DEQ Systems are 10-15 Years Old
- Unsupported Platforms



- Siloed/Disparate Systems
- Unfulfilled Business Needs



Over 130 Application Supported

AQ Air Quality Index	Leaking Underground Storage Tanks	Facility Tracking	Whiteboard
AQ Asbestos	License 2000	Solid Waste Information Facility Tracking	WQ Assessments (303d Database)
AQ Heat Smart	Location Improvement Tool	Invoicing	WQ Document Repository
AQ Tankers	Longitude Latitude Identification (LLID) Application	Solid Waste Information Management System	WQ Enforcement History
AQ Vapors		TMDL Boundary Locator Tool	WQ Invoice
Ballast Water	LUST Archiving	TRAACS	WQ Notice of Noncompliance Database
Bank Deposits	Online Petroleum Release Reporting C/S	Traceability Log	WQ Notice of Noncompliance History
Compliance Schedule Tracking System	PAPUBS Database	TUHWR Reporting System & Clearinghouse	WQ Permits
CRIS (Cost Recovery Information System)	SharePoint Complaints System	Underground Storage Tanks	WQ PermitTracker
Laboratory Analytical Storage and Retrieval (LASAR)	Solid Waste Information		



UST.net 1.2.2 - PMCGOVE [Domain Users] - Production

File Print Windows Help

UST Search

Reports Print Help

Log Number Facility Id ProjMgr Region Zip

Site Name County

Address City

Regulated UnRegulated HOT Site Type File Status

Contacts First Nm Last Nm Org Nm

Date Comparison 1 Date Comparison 2

Active Closed HOT Audit / Reject Use "% "as wildcard.

Close SEARCH

Menu - Microsoft Access

Home Create External Data Database Tools

401 Database Menu

Select Data Entry or Report or Permit Wizard

Data Entry Report Run Query Send Report Permit Wizard

Fee/S NonFee Report

Add Comments

Choose From the List Below

UST.net 2.2.10 - PMCGOVE [USTAdmin] - Production

File Reports Crystal Reports Functions Print Windows Help

Facility Search

Print New Facility

Search By Facility

Criteria Facility Nam

Filter By Facility Status Active LUST Incident All

Street City County Z1 Cer

No local UST Mobile DB is installed.

Download Upload Search Clear

Facilities Tanks - Current Contacts Compliance Payments

UST.NET - 2.0.3 - JMATHEW [ASBAdmin] - Production

File Reports Administration Windows Help

Project Search

New Project Print...

Search By Search Type: General

Criteria Site Type Operator Name Operator Type Classification Classified From To

Filter By Site Address Street City Zip County Office Project Started Between Ended Between Category Type Emergency

Clear Search

ECSLNET 2.1.0 - PMCGOVE [Domain Users] Production

File Windows Help

Site Search

New Site Reports Print...

Search By Search Type: Site ID

Criteria Site ID Site CERCLIS ID

Filter By Address Street City County Township, Range & Section Region

Search Results: 43 Records

Site ID	Site Name	Address	Status
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AQTankers - Search (MAINT)

Reports About Exit

Permit/Owner Information

Permit Number:

Owner Name:

Address:

City:

State:

Zip:

Tanker Information

Owner Unit Number:

Unit Identification:

Type:

Water Quality Source Information System

DEQ

Geographic Locations Permit Applications Invoices

Facility Details Regular Permits Periodic Reports

Facility Contacts Inspections Special Permits

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DEPARTMENT OF ENVIRONMENTAL QUALITY
Version 3.1.0.28 (PROD)

Discharge monitoring system View / Modify DMR Log

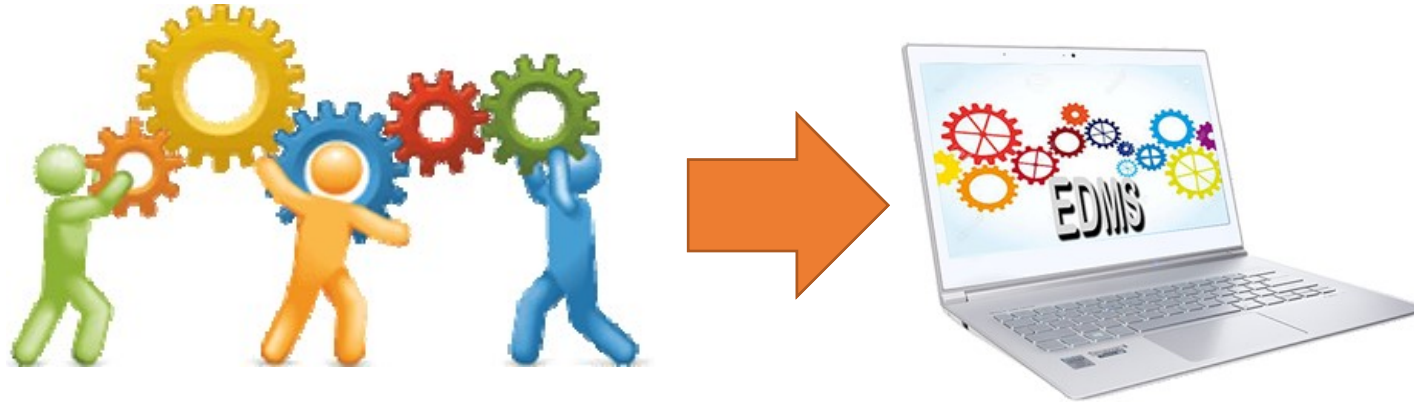
DMR Receipt Enter Permit Info Enter Monitoring Data Reports Admin Exit Help

Reporting Period: Begin January 2017 End January 2017

By: File # Permit # County

Reporting Period: Common Name Display DMR Log

What EDMS Will Do

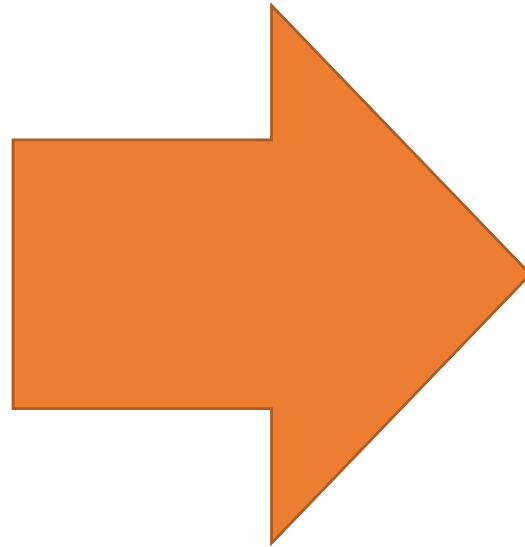


- Standardize Business Process Across Air, Land, and Water Programs
- Consolidate aging, disparate systems under one off-the-shelf solution
- Increase overall agency efficiency and timeliness
- Provide a stakeholder web portal for the public, regulated community, and DEQ staff

What are other states doing...

States known to have an off-the-shelf solution

- Minnesota
- New Jersey
- Ohio
- Texas
- Indiana
- Kentucky
- Mississippi
- ... and others



States that achieved CROMMER compliance for air, land, AND water

- Minnesota
- New Jersey
- Ohio
- Texas
- Indiana
- Kentucky
- Mississippi
- 25 states total have full compliance

**Oregon DEQ doesn't
have any CROMERR
Compliant
Applications**

Governor's Priorities

Responsible Environmental Stewardship

Oregon's natural environment is not only beautiful, it is essential to our economy and quality of life. When Oregon's environment is healthy and strong, so is our collective future.



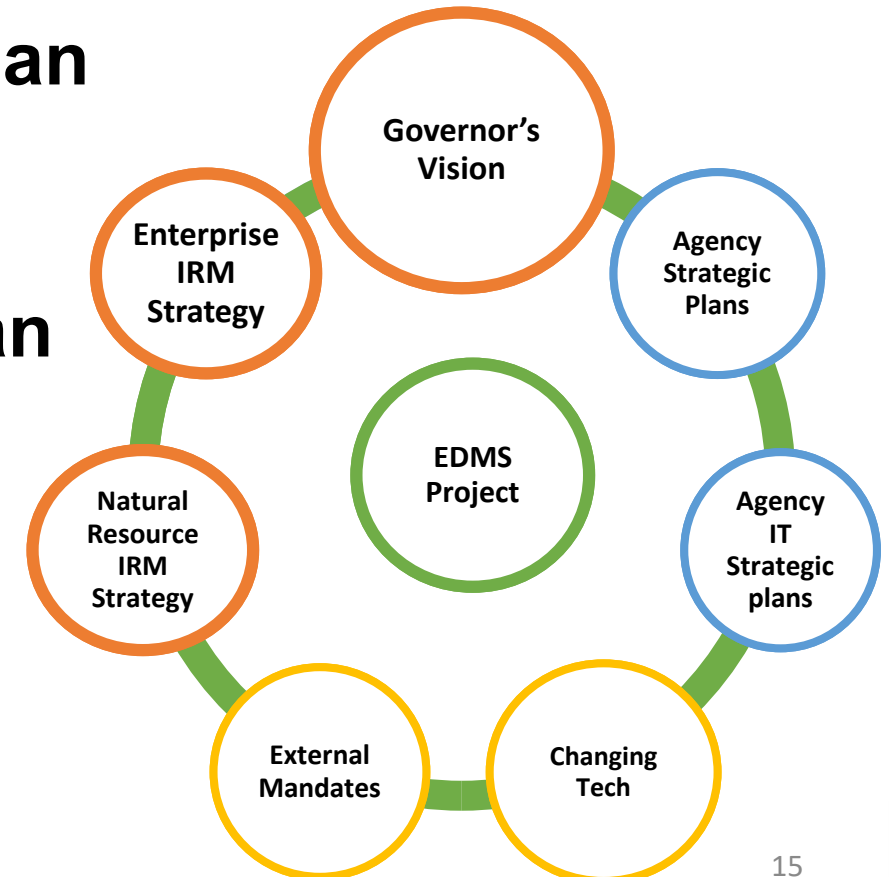
A Thriving Statewide Economy

Oregonians prosper when businesses in every region grow and expand, invigorating local economies and creating opportunities for communities to thrive.



Strategic Goals Alignment

- **Align to the Governor's Vision for Responsible Environmental Stewardship and A Thriving Statewide Economy**
- **Align to the Strategic Objectives of the Natural Resources Information Resource Management Plan**
 - Enhancing information security
 - Stewardship of the enterprise IT resources
- **Align to DEQ's Strategic Business Plan**
 - Efficiently meet environmental standards
 - Provide easy access to information
 - Sustain effective internal business practices



Stage Gate Process

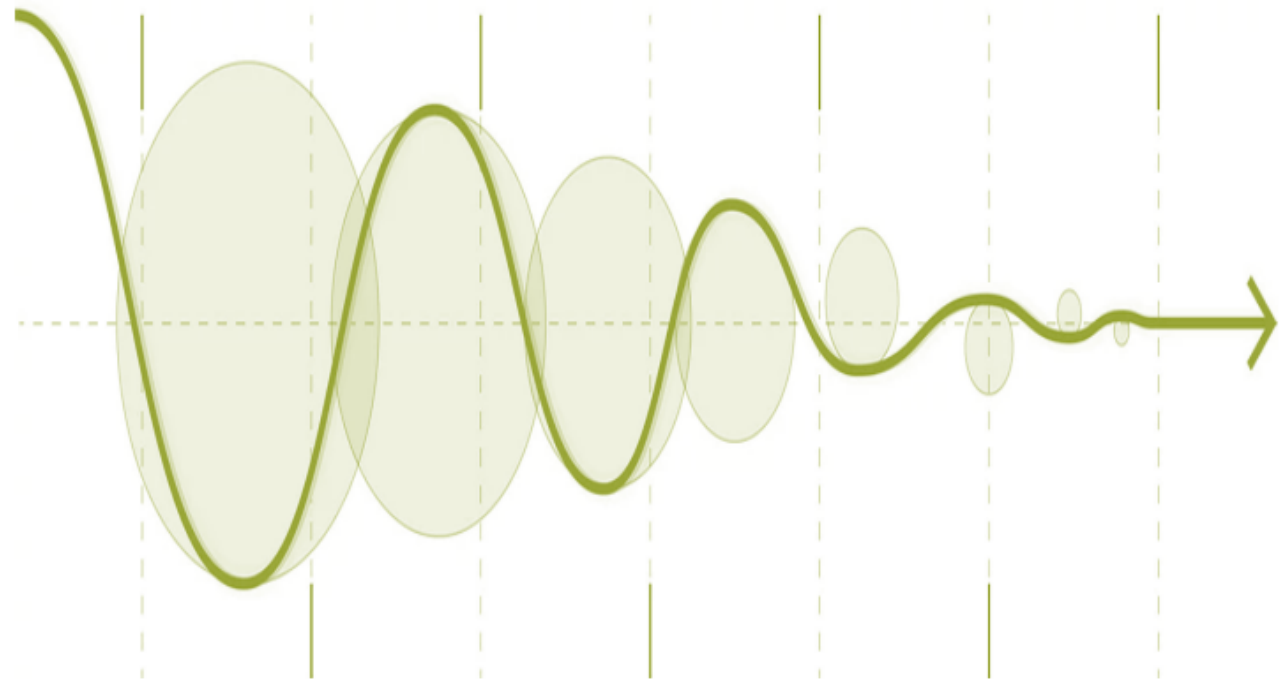
- OR State Project Management
- Assures Proper Planning
- Managed by OSCIO & LFO
- Stage Gate 1: High-level Business Case
- Stage Gate 2: More Defined Business Case (+/- 50%)
- Stage Gate 3: Detailed Implementation Plan (+/-10%)
- Stage Gate 4: Implementation



Why Stage Gate

“Progressive reduction of uncertainty” – G.M. Winch

- ‘External’ review of the project
- Review project history to date (performance)
- Evaluate the project's near-term plans
- Validate commitment of resources
- Assess readiness for project to go forward



Steps Taken To-Date

- Feb 2017: Stage Gate 1 Endorsement from OSCIO
- Recognized as a Top Priority for the Agency
- Executive Steering Committee Formed
- Business Analysis for Water, Land, Air
- Senior Project Manager Hired
- Aiming for Stage Gate 2 Endorsement Feb 18



Project Governance

Executive Steering Committee

- Director Whitman is the Executive Sponsor
- Members of DEQ's Leadership Team
- STO Darrell Landrum

Technical Steering Committee

- Program Managers
- Technical Managers
- Staff

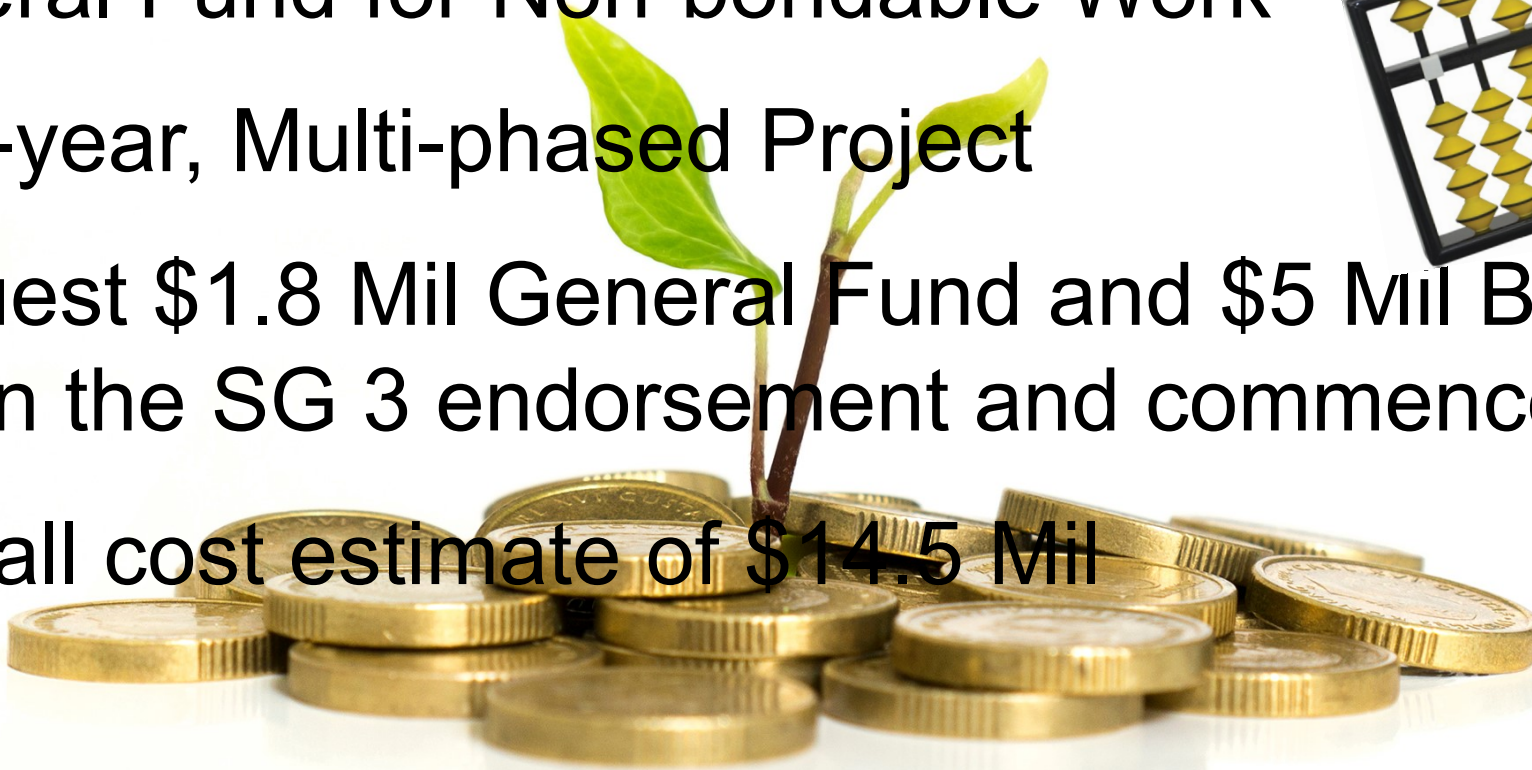
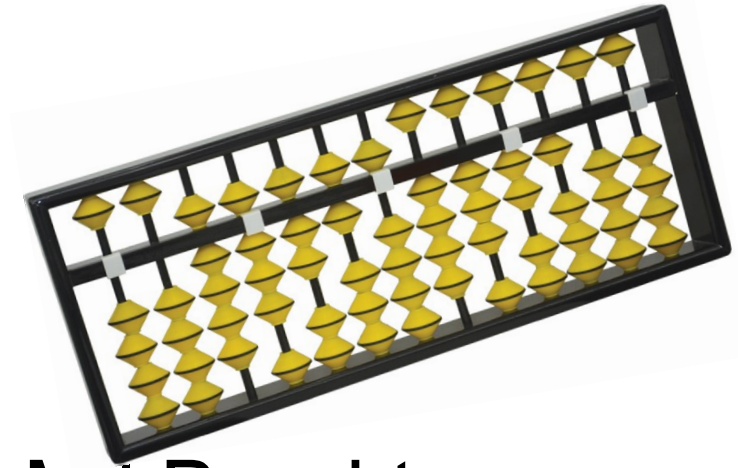
Champion Team

- Sponsors
- Project Managers
- SMEs



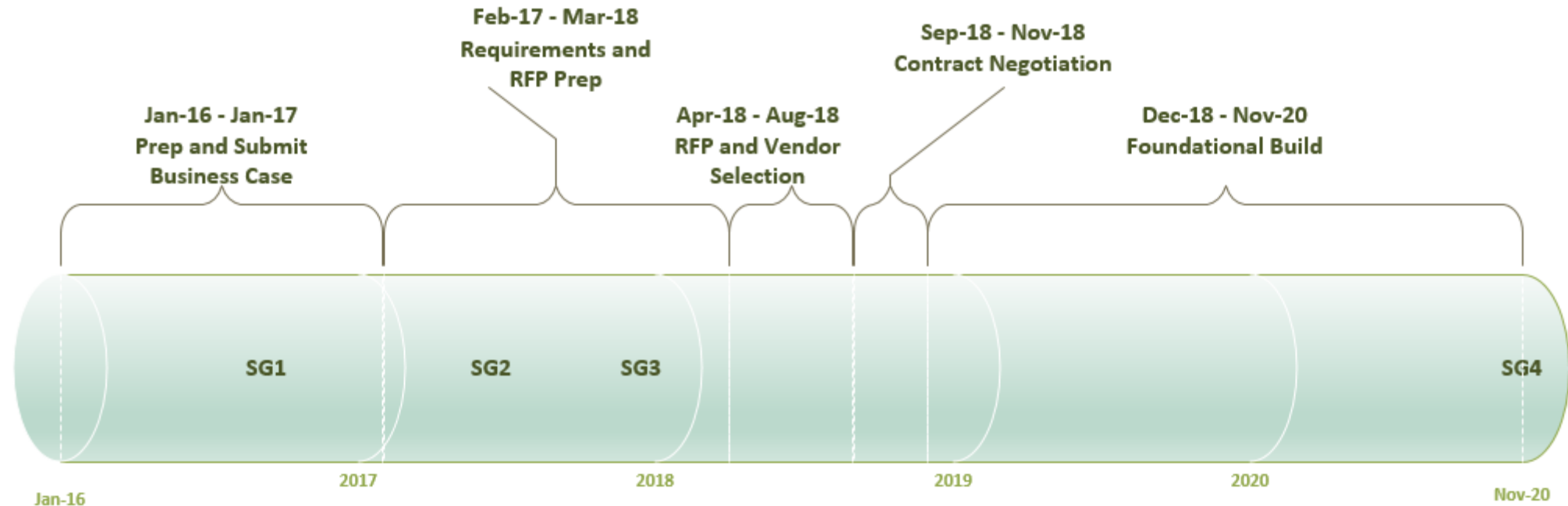
Funding Philosophy (+/- 50%)

- Majority Funded by Bond Sale Proceeds
- General Fund for Debt Service
- General Fund for Non-bondable Work
- Multi-year, Multi-phased Project
- Request \$1.8 Mil General Fund and \$5 Mil Bond to obtain the SG 3 endorsement and commence SG4
- Overall cost estimate of \$14.5 Mil



EDMS Timeline (+/- 50%)

Environmental Data Management System High Level Timeline



- Foundational build include core functionality required by DEQ
- Build a scalable foundation for future phases
- Bring on modules for additional functionality after SG4

QUESTIONS?

