E-ENTERPRISE FOR THE ENVIRONMENT & EXCHANGE NETWORK

Presentation to Tribal Lands and Environment Forum
August 2019
E-Enterprise for the Environment

A **model** for how states, territories, tribes, and EPA collaboratively modernize the business of environmental protection to better improve the environmental and public health and reduce compliance costs and burden on regulated entities.

E-Enterprise Leadership Council

The **governance body**, comprised of states, tribes, and EPA members, responsible for the strategic direction, day-to-day duties, oversight, and accountability of E-Enterprise for the Environment.

Exchange Network

The **funding vehicle** used by states, tribes, territories, and EPA to collaborate and build technological innovations, solutions, and services for sharing data.
Involvement of Tribes – E-Enterprise and Exchange Network

• Tribal perspectives contribute to informing E-Enterprise and Exchange Network
• Jointly identify and address issues that affect tribes, states and EPA as a co-regulator
• Assist in the development of tools and services to ensure efficiencies in environmental protection processes and the implementation of priorities
• Facilitate sharing and leveraging tools and resources
Overview of E-Enterprise Goals

Streamline Processes
- Lean
- Simplify, ensure consistency and predictability
- Find efficiencies and measure results

Optimize Technology
- Implement efficiency through automation
- Develop and build tools
- Leverage shared services

Shared Governance

States
Tribes
EPA
EPA Provides Resources for E-Enterprise

Environmental Council of States (ECOS)
- ECOS has programs that support and several of the ECOS leadership body serve on the EELC
- Support for EELC is documented by Resolution (2013)

NCAI / Cherokee Nation
- NCAI signed the 2016 Charter that added Tribes to EELC
- Provides support to 10 designates from EPA Regions to serve on the EELC
- Support for Tribes on EELC (2018)
<table>
<thead>
<tr>
<th>EPA Official</th>
<th>State Official</th>
<th>Tribal Official</th>
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<tbody>
<tr>
<td>Henry Darwin (co-chair), Office of the Administrator</td>
<td>Jim Macy (co-chair), Nebraska</td>
<td>Gerald Wagner, Blackfeet Tribe, Acting Chair, Region 8 RTOC</td>
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<td>David Bloom, Office of Chief Financial Officer</td>
<td>Victoria Phillips, Massachusetts</td>
<td>Marvin Cling, Passamaquoddy Tribe of Indians, Region 1 RTOC</td>
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<td>Deb Szaro, Region 1</td>
<td>Ben Grumbles, Maryland</td>
<td>TBD, Region 2 RTOC</td>
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<td>Vaughn Noga, Office of Environmental Information</td>
<td>Patrick McDonnell, Pennsylvania</td>
<td>Lauren Porter, Pamunkey Indian Tribe</td>
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<td>Ed Chu, Region 7</td>
<td>Myra Reece, South Carolina</td>
<td>Jerry Cain, Mississippi Band of Choctaw Indians, Region 4 RTOC</td>
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<td>David Hindin, Office of Enforcement and Compliance Assurance</td>
<td>Becky Keogh, Arkansas</td>
<td>Kari Jacobson Hedin, Fond du Lac Reservation, Region 5 RTOC</td>
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<td>Benita Best-Wong, Office of Water</td>
<td>Andrew Putnam, Colorado</td>
<td>Cynthia Naha, Santo Domingo Tribe, Region 6 RTOC</td>
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<td>Betsy Shaw, Office of Air and Radiation</td>
<td>Todd Parfitt, Wyoming</td>
<td>Alisha Bartling, Santee Sioux Nation of Nebraska, Region 7 RTOC</td>
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<td>Nigel Simon, Office of Land and Emergency Management</td>
<td>Scott Thompson, Oklahoma</td>
<td>Lisa Gover, Campo Band of Kumeyaay, Region 9 RTOC</td>
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<td>Lek Kadeli, Office of Chemical Safety and Pollution Prevention</td>
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<td>Chris Price, Qawalangin Tribe of Unalaska, Region 10 RTOC</td>
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**Governance Structure**

**E-Enterprise Leadership Council**

**Management Board**
- Oversees E-Enterprise and Exchange Network projects and implements direction from the EELC.
- Comprised of Managers and staff from EPA, States and Tribes with oversight of E-Enterprise and Exchange Network projects. *(Interested Tribal Officials are invited to participate)*

*Contact Gerald Wagner or Chelsea*

*2A. Meets monthly via webinar, in person 2 times a year*

**Interoperability and Operations Team (IOT)**
- Implementation of technical and operational functions of shared services and infrastructure.
- IT experts from U.S. EPA, states and tribes that provide technical expertise and operations maintenance for projects. Oversee data flows for the Exchange Network (2 Tribal Officials are Participants).
- Meet monthly via webinar, in person 2 times a year.

Four [Tribal Governance Group](https://www.epa.gov/e-enterprise/e-enterprise-and-exchange-network-management-board-mb-and-interoperability-and) (TGG) members have selected to also participate in E-Enterprise Governance Groups.

What is ELMS?

EPA's Lean Management System (ELMS) is a means to promote continuous improvement. It consists of Lean tools and behaviors that assist organizations with sustaining lean activities and ultimately leads to an efficient organization.

ELMS consists of six elements: (1) Problem Solving, (2) Leader Behaviors, (3) Standard Work, (4) Business Reviews, (5) Cascading Measures, (6) Visual Management. Our Lean Management System is a complement to Lean activities and is seen as a constant driver towards excellence.
Regions & HQ

Conducting Training

- Find out how this management tool is being implemented in your Regions
- Request to be included in these exercises
Debris Disaster Recovery Tool

The DDRT web application is migrating to the EPA GeoPlatform.

The DDRT Team is conducting an internal review of shared solutions to automate data updates and maintenance.
Disaster Debris Recovery Tool (DDRT)

- Interactive mapping dataset of 12 types of recyclers and landfills that manage disaster debris.
  - Intended users: disaster planning, response, and recovery experts
- The DDRT is included as a resource in EPA’s Planning for Natural Disaster Debris guidance.
- Expanding to national dataset by end of 2019
- Tribes and states are actively engaged
- Tribes within Region 5 have used the DDRT to include recycling facilities in disaster debris management plans
Debris Disaster Recovery Tool

Current 13 states in DDRT:
Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin, Iowa, Kentucky
Missouri, North Dakota, Pennsylvania, South Dakota, West Virginia

2019 Expansion:
E-Enterprise Projects and Tribes

**ATTAINS** – the Assessment TMDL Tracking and Implementation System

It supports state reporting under Clean Water Act Sections 303(d) and 305(b).

A limited number of Tribes are involved in a Pilot Project.

- EPA and select tribes from Regions 5, 6, and 9 are participating in a pilot to electronically report water quality assessments alongside states and territories.

- Provides participating tribes statistics on the most common pollutants.
Improving EPA’s review and approval processes for Tribal and State QAPPS

- **Efficiency**: Promote the establishment of timeframes for reviewing QAPP from Submittal to final approval

- **Consistency**: Guidance and process to ensure QAPPS are consistently approved across EPA

- **Improved Communications**: EPA, state and tribes better understand workflow and expectations
Other E-Enterprise Examples

✓ **Be Well Informed**
  - Helps private well owners understand water test results and provides information about health concerns and water treatment choices
  - Uses an easily adoptable template customizable with specific conditions, messages, and treatment options
  - url? NH is the only thing

✓ **Community**

✓ **Inventory Platform**
  - Shared platform for states, tribes, EPA to collaborate, share ideas and resources ask questions and get information on IT, process improvement, and Exchange Network projects
POTENTIAL PROJECTS

• Office of Regulatory Innovation and Assistance (ORIA) Permit Tracking Tool – Tribes in the State of Washington are proposing a web-based tool that would provide access to all state, county, local and federal permits authorized for actions in the waterways

• Climate Change Threat Prediction Tools
TRIBAL PERMIT TRACKING TOOL
There is a need for a Tribal Permit Tracking Tool

There is a need for two systems to be produced:

(1) Tribal Permit Tracking System (database, webmap, exchange)

(2) Federal, State, County and City Permit Information Sharing System

To facilitate the exchange of permit information (i.e., documents, maps) between the agencies and tribes.
POTENTIAL PROJECT

• Climate Change Threats
  • Predicting Fire Hazard
  • Predicting Flooding
  • Extreme Heat
Opportunities for Tribal Participation

- Provide advice and lend expertise to EELC members
- Participate in the Management Board or IOT (or TGG)
- Participate in project teams (technical input)
- Innovate E-enterprise shared tools and services
Online Resources

E-Enterprise for the Environment:
https://e-enterprisefortheenvironment.net/

The Exchange Network:
http://www.exchangenetwork.net/

Tribal Exchange Network:
http://www.tribalexchangenetwork.org

E-Enterprise Portal
www.e-enterprise.gov

For Questions:
EELC Members
EELC Coordinators
EELC Members – Regional Tribal Designates

- Marvin Cling, Passamaquoddy Tribe of Indians, Region 1 RTOC
- Region 2 RTOC TBD
- Lauren Fox, Pamunkey Indian Tribe, Region 3 RTOC
- Jerry Cain, Mississippi Band of Choctaw Indians, Region 4 RTOC
- Kari Jacobson Hedin, Fond du Lac Reservation, Region 5 RTOC
- Cynthia Naha, Santo Domingo Pueblo, Region 6 RTOC
- Alisha Bartling, Santee Sioux Nation of Nebraska, Region 7 RTOC
- Gerald Wagner, Blackfeet Tribe, Region 8 RTOC
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