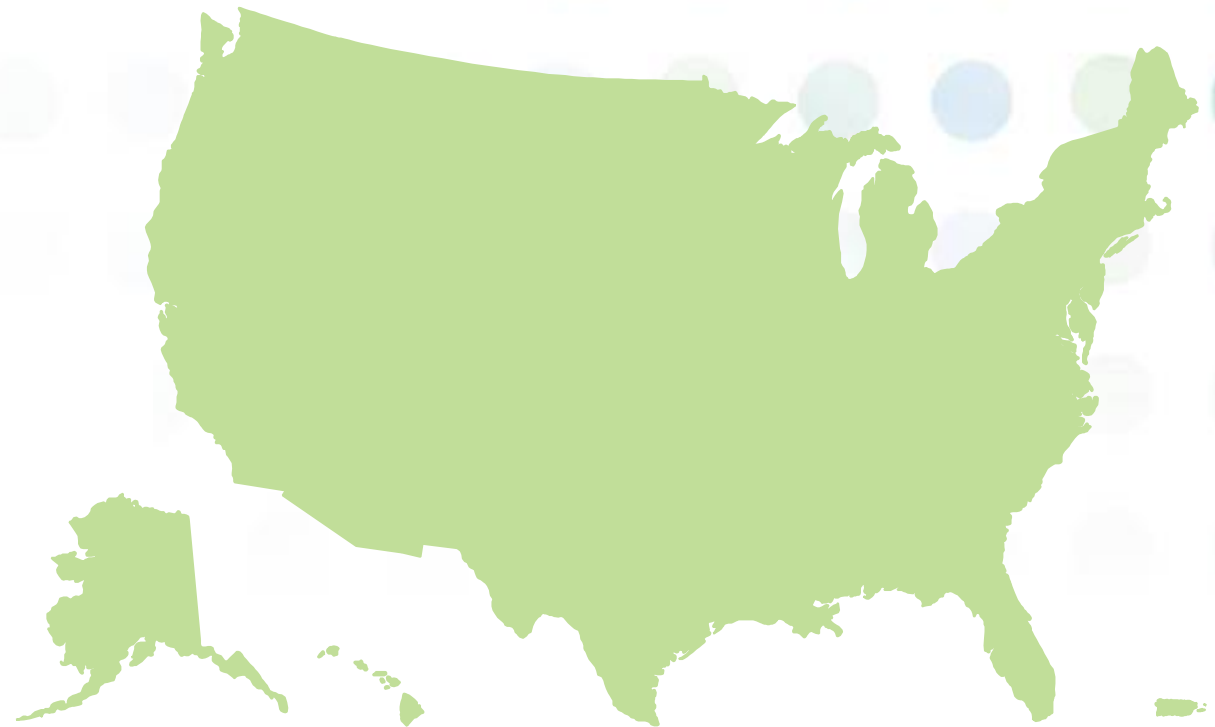# E-ENTERPRISE
for the environment

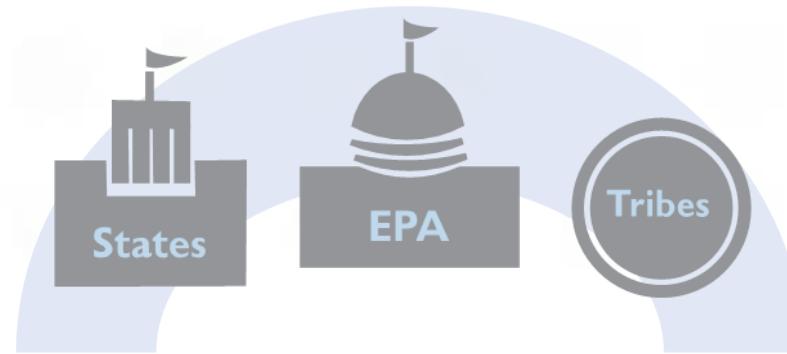*Modernizing the business of environmental protection*

2018 Annual Training, National Small Business Environmental Assistance Program

Kelly Poole, Environmental Council of the States

May 2, 2018

E-Enterprise for the Environment
Shared Governance & Cooperative Federalism

States **EPA** **Tribes**

Streamlining Processes

- Lean Culture

- Business Process Improvement

- Burden Reduction

Optimizing Technology

- Advanced Monitoring

- E-Reporting/E-Permitting

- Portal Development

- Shared Services

Environmental Information Exchange Network

- Standardizing Data Exchanges
- Collaboration on technological innovations, solutions and services for sharing data.
- 2018 E-Enterprise National Meeting

E-Enterprise for the Environment Leadership

- E-Enterprise Leadership Council
  - Co-Chairs
    - Henry Darwin, Chief of Operations, U.S. EPA
    - Becky Keogh, Arkansas Department of Environmental Quality
    - Micco Emarthal, Seneca-Cayuga Nation, Tribal Co-Chair, RTOC 6
- E-Enterprise & Exchange Network Management Board
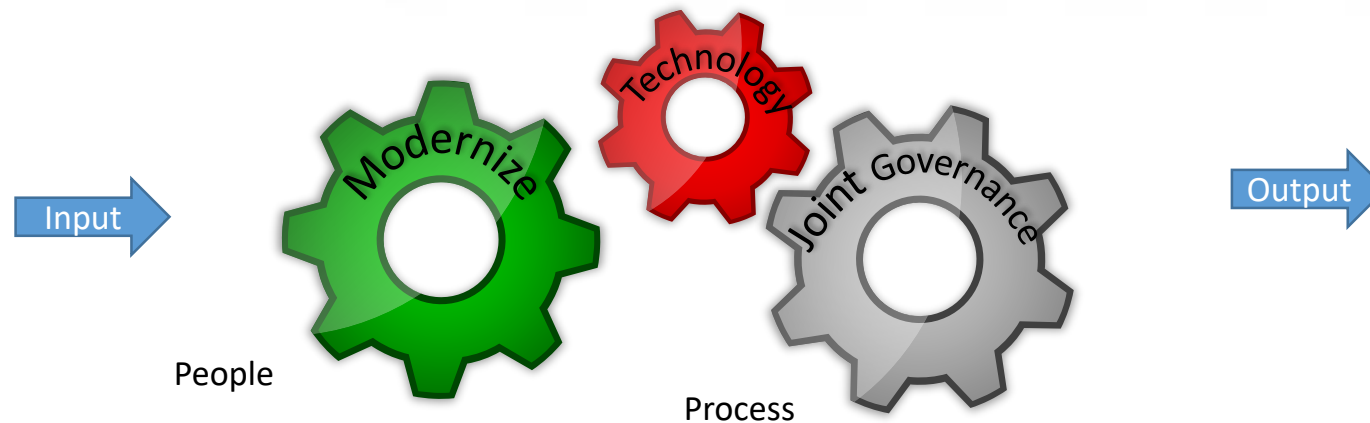- Interoperability and Operations Team

E-ENTERPRISE
for the environment

Modernizing the business of environmental protection

4

Characteristics of an E-Enterprise Project

- Streamline and modernize business processes including input from all stakeholders

- Introduce technology where appropriate to maximize efficiency

- Ensure buy-in and adoption of the streamlined process through joint governance

Combined Air Emissions Reporting Team (CAER)

- Team Co-chairs: Marc Houyoux (OAQPS) and Bryan Shaw (TX)
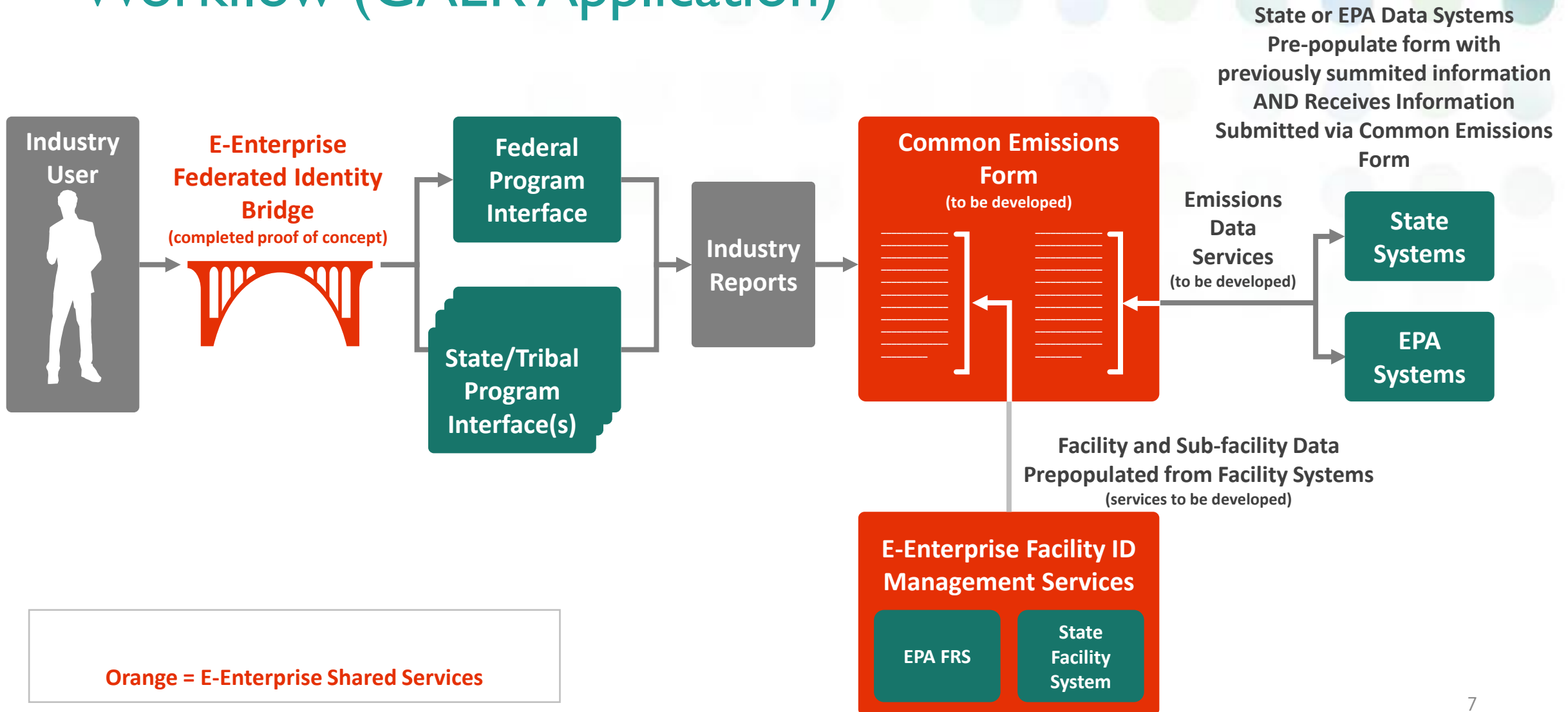
Project Goals:

1. Reduce industry burden for point source reporting.

2. Improve timeliness and data transparency.

3. Create consistent information across air emissions programs.

4. Improve data quality.

5. Improve accessibility and usability of data.

6. Support more timely decision-making

For more information, contact:
- Julia Gamas at gamas.julia@epa.gov
- Michael Burton at burton.michael@azdeq.gov
- Mark Wert at mark.wert@state.ma.us

E-Enterprise Conceptual Electronic Reporting Workflow (CAER Application)

Industry User

E-Enterprise Federated Identity Bridge
(completed proof of concept)

Federal Program Interface

State/Tribal Program Interface(s)

Industry Reports

Common Emissions Form
(to be developed)

State or EPA Data Systems Pre-populate form with previously summited information AND Receives Information Submitted via Common Emissions Form

Emissions Data Services
(to be developed)

State Systems

EPA Systems

Facility and Sub-facility Data Prepopulated from Facility Systems
(services to be developed)

E-Enterprise Facility ID Management Services

EPA FRS

State Facility System

Orange = E-Enterprise Shared Services

Facility Team (Phase II)

- Team Co-chairs: Susan Joan Smiley (OEI) Ron Evans (OAQPS) and Joshua Kalfas (OK) & Ben Way (WY)

Project Goals:

1. Help programs and agencies manage their responsibilities more efficiently.
2. Reduce industry reporting burden of redundant facility information.
3. Assemble more quickly the multi-media environmental data needed for consolidated reports, permits, and inspections.
4. Provide the public a more complete understanding of regulatory obligations and environmental impacts of each facility.
5. Increase facility data accuracy.

For more information, contact:
- Ron Evans at evans.ron@epa.gov
- Joshua Kalfas at joshua.kalfas@deq.ok.gov
- Ben Way at ben.way@wyo.gov
- Susan Joan Smiley at smiley.susan@epa.gov

State Plan Electronic Collection System (SPeCS)

- Team Co-chairs: Ron Evans (OAQPS) & Robert Bielawa (NY DEP)

An integrated electronic submission, review, and tracking system for State Implementation Plans (SIPs) and other air agency submissions that enables EPA and SLTs to:

- Manage plan submission and review process more efficiently and effectively;

- Increase transparency through greater "real-time" data availability; and,

- Enhance collaboration among different levels of government.

For more information, contact:
- Mia South at south.mia@epa.gov
- Robert D. Bielawa at robert.bielawa@dec.ny.gov

Advanced Monitoring Strategy and Implementation (AMSI)

- Team Co-chairs: Ben Grumbles (MD) & David Hindin (OECA)

- Environmental monitoring technology is rapidly changing - smaller, cheaper, and more portable devices.

- Uncertainty about the quality of the technologies and the data produced.

- The new technology has the potential to radically improve the effectiveness of environmental protection efforts by government agencies and to greatly enhance community participation.

- *Advanced Monitoring Technology: Opportunities and Challenges A Path Forward for EPA, States, and Tribes*
- *Preparing for Personal Air Sensors: State and Local Air Quality Agencies on the Frontlines of Citizen Science*

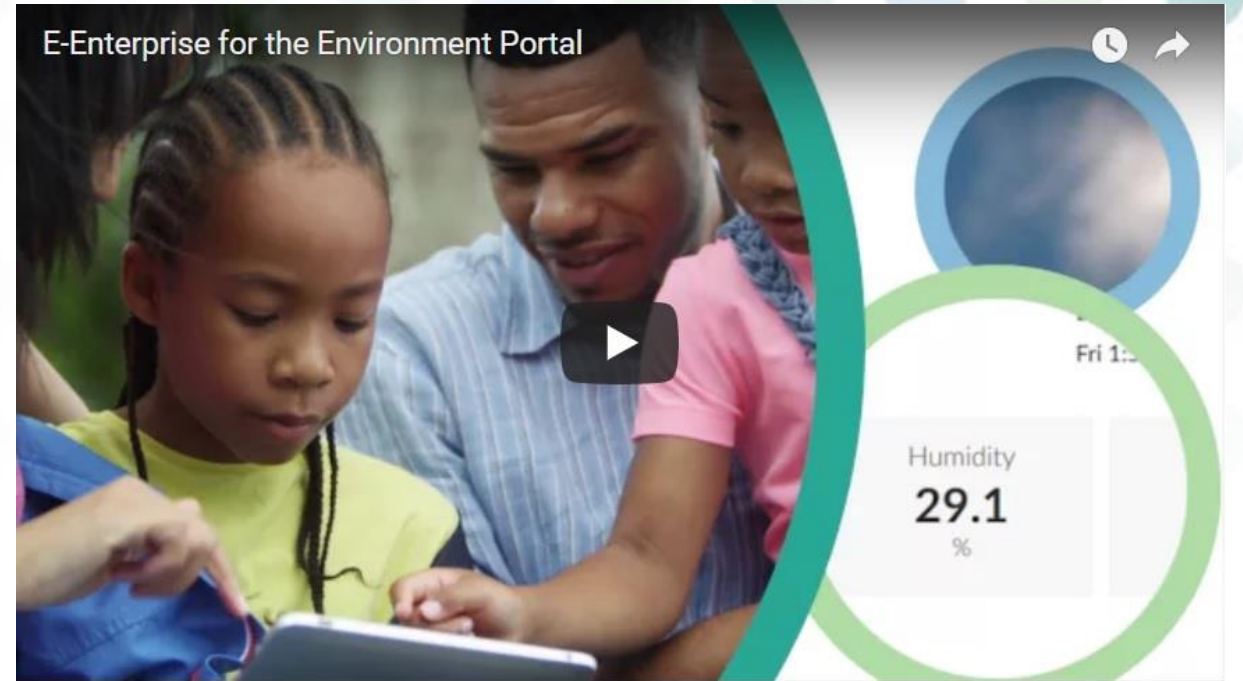For more information, contact:
- Leslie Cronkhite at cronkhite.leslie@epa.gov
- Kelly Poole at kpoole@ecos.org

THE AIRBEAM

E-Enterprise Portal

- Allow the regulated community and the public to more easily access information that is important to them, and provide a more consistent way for environmental agencies to interact with these constituencies.

- Reduce the time and effort needed to perform transactions with U.S. EPA, states, and tribes.

https://youtu.be/iFv0DYnW1-A

For more information, contact:
- Shana Harbour at harbor.shana@epa.gov
- Laura Letson at letson.laura@epa.gov

Contact Information:

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Thank You