

E-Enterprise for the Environment

Overview for OEI Collaboration
Meeting

June 10, 2013

Outline

- **Background: Where did this come from?**
- **Driver**
- **Vision for E-Enterprise**
- **Major Components**
 - **Phasing Plan**
 - **Unique Features of E-Enterprise**

Background

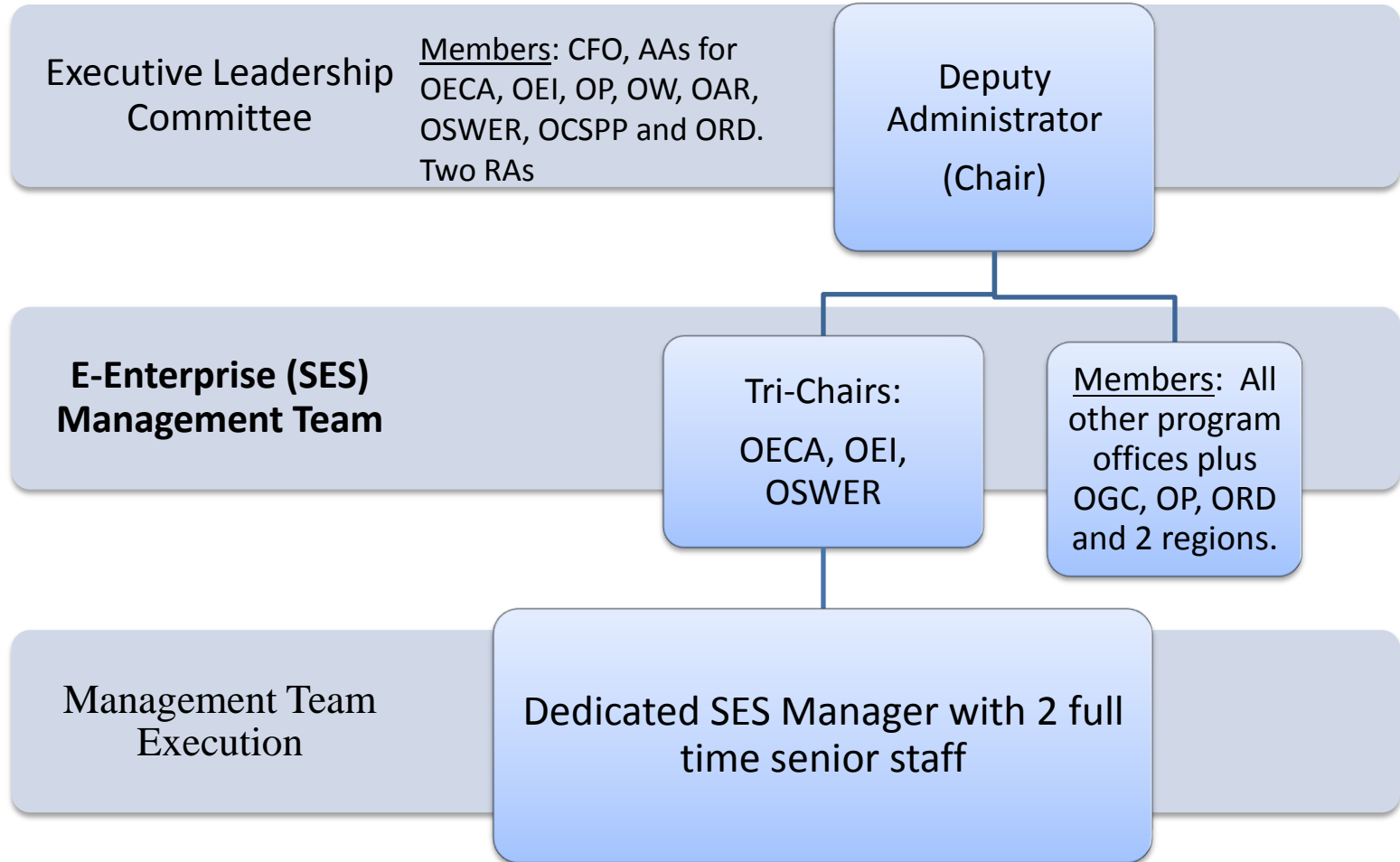
- In the government-wide review of federal regulations, EPA's *Final Plan for Periodic Retrospective Reviews of Existing Regulations*, August 2011, has 3 commitments to electronic reporting:
 1. Conduct a targeted review to convert key existing paper reporting requirements to electronic. This may include eliminating or streamlining outdated paper reports as part of electronic conversion.
 2. Develop a strategy/policy for ensuring that new rules incorporate the most efficient electronic reporting techniques.
 3. Encourage private sector development of reporting tools to drive innovation, reduce costs, and help regulated entities to comply using an open platform approach.

Background: continued

- In October 2011, Agency electronic reporting scoping workgroup provided recommendations for how to move forward to meet Retrospective Plan .
- In December 2011, Agency formed E-Reporting Task Force.
- Per Deputy Administrator and in collaboration with ECOS, expanded E-Reporting to broader initiative, now called E-Enterprise.
- Agency developed FY14 PB's investment for E-Enterprise.
- Sunset the E-Reporting Task Force and created new internal EPA governance for E-Enterprise.

— Next slide

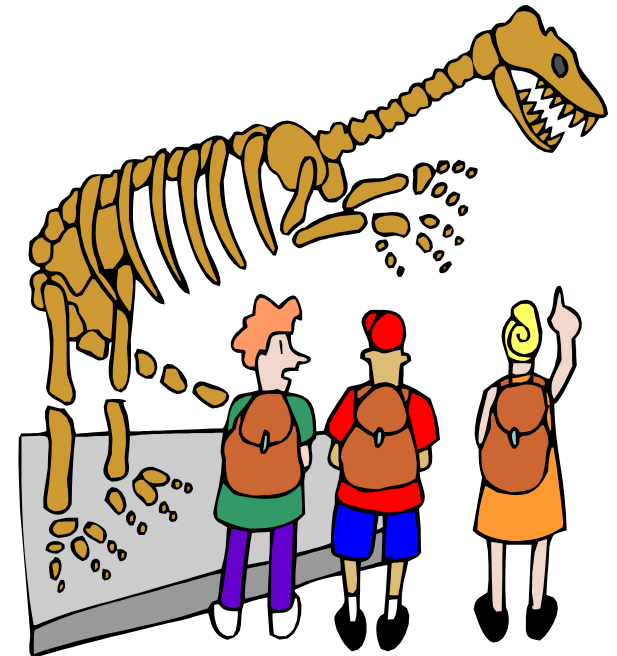
E-Enterprise internal EPA Governance Structure



Drivers

Our choice:

Build a 21st century digital government or be a dinosaur.

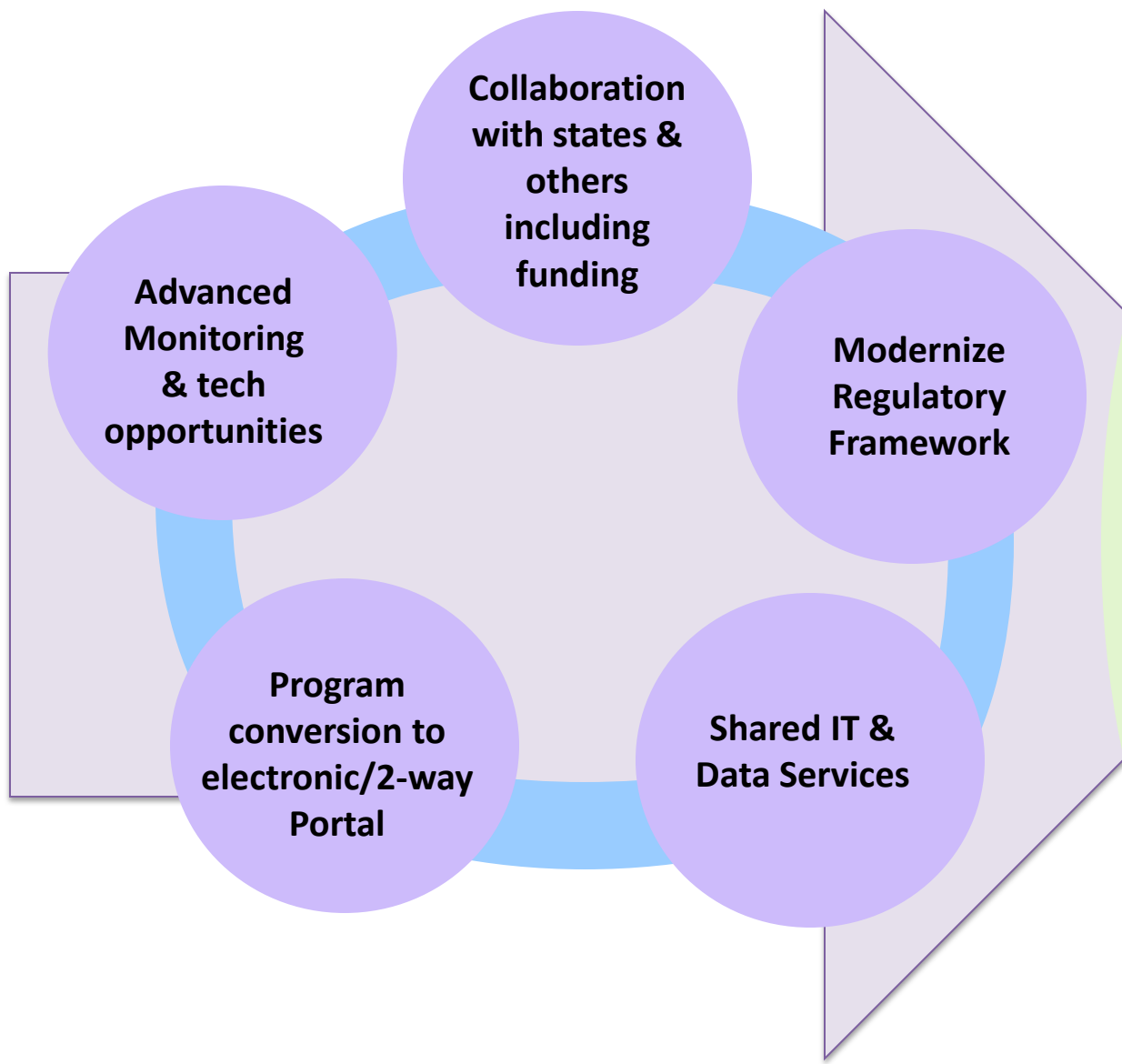


E-Enterprise for the Environment

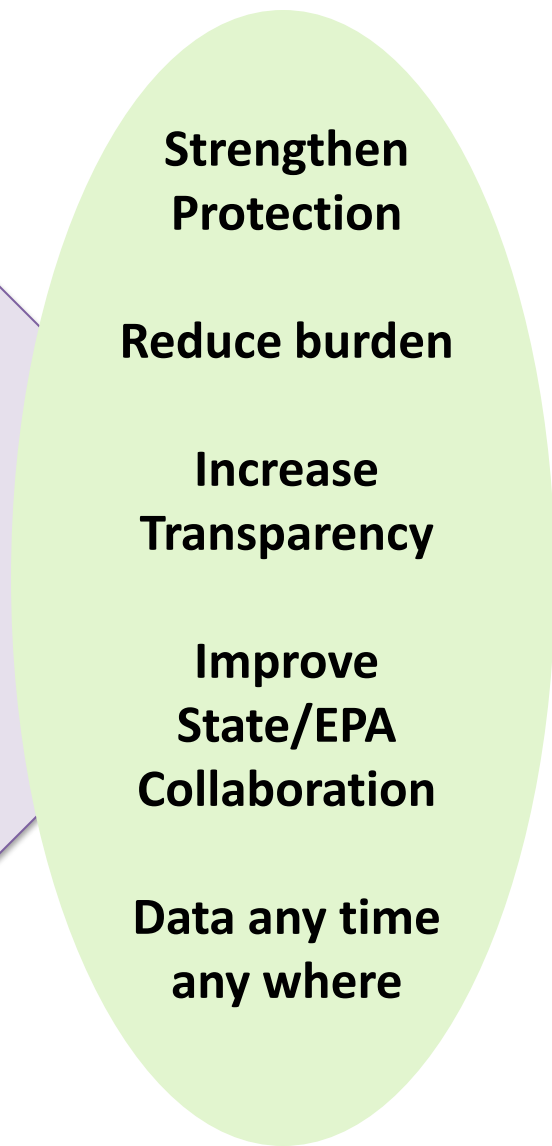
is a joint initiative of States and EPA to improve environmental outcomes and dramatically enhance service to the regulated community and the public by maximizing the use of advanced monitoring and information technologies, optimizing operations, and increasing transparency.



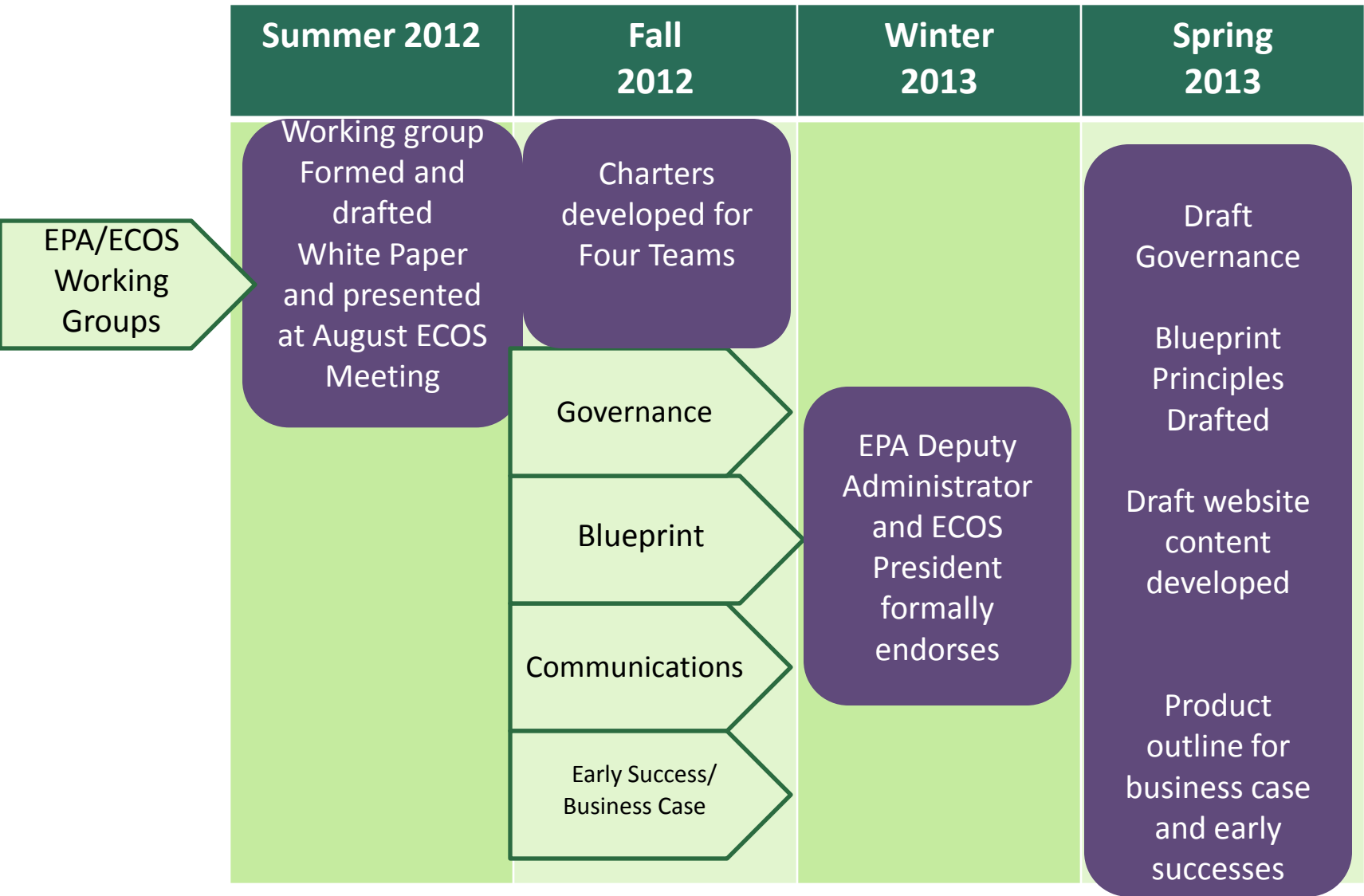
Major Components



Key Drivers



History of EPA/ECOS collaboration on E-Enterprise



ECOS/EPA Teams and Co-Chairs

Governance Team : Tom Burack (NH)/Andy Battin (EPA)

Communications Team: Victoria Phillips (MA)/Ira Leighton (EPA R1)

Blueprint Team: Karen Bassett (AR)/Steve Chester (EPA)

Early Success/Business Case Team: Scott Nally (OH)/David Hindin (EPA)

Blueprint Team

Karen Bassett (AR) and Steve Chester (EPA)

Team Charge: develop design principles and “Blueprint.” As part of the Blueprint development, the Team will consider and evaluate the tradeoffs between a functional approach to E-Enterprise and a more traditional program-based approach.

Key Deliverable: E-Enterprise Design and Operating Principles – The deliverable will document a set of founding assumptions used by the State and EPA partnership to guide e-Enterprise design and operating decisions.

Early Success/Business Case

David Hindin (EPA) and Scott Nally (OH)

Team Charge: Show success in short term – defined as calendar year 2013/14. Identify new tools, services, products, documents, or processes that could be publicly initiated and/or put into operation.

Key Deliverable: E-Enterprise Business Case - This deliverable will document the e-Enterprise benefits, business need, goals, and the Return on Investment (ROI).

Governance Team

Tom Burack (NH) and Andy Battin (EPA OEE)

Team Charge: Create a governance structure that is acceptable to all parties and that will best support the development, implementation and continuous improvement of E-Enterprise.

Key Deliverable: E-Enterprise Governance Requirements and Governance Options - describe the core governance functions and partner roles and responsibilities required to support e-Enterprise.

Communications Team

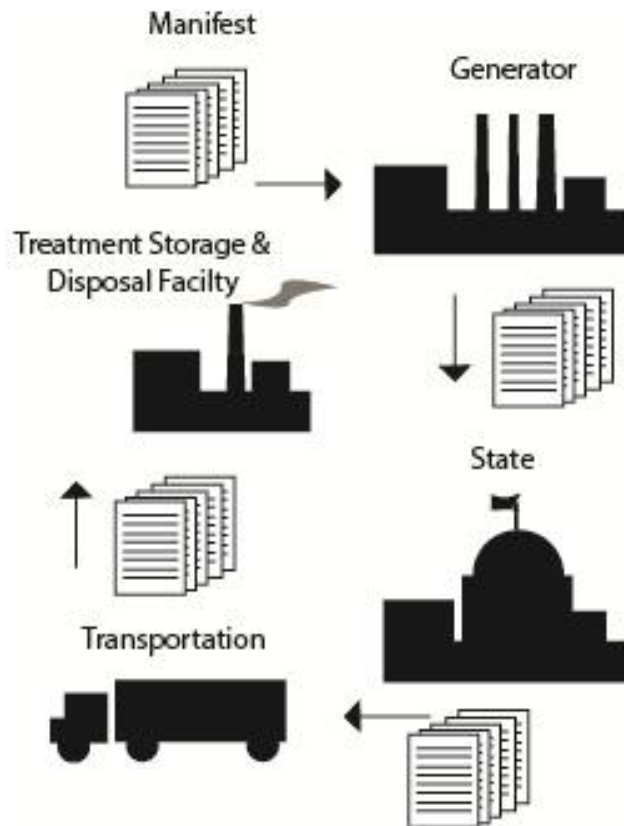
Ira Leighton (EPA R1) and Victoria Phillips (MA)

Team Charge: Develop clear, concise, user-friendly materials that present accurate and effective information to a broad range of stakeholders.

Key Deliverable: List of Target Audiences and Key Messages. Continuous updates to “vision presentation.”

Major opportunities to modernize business and regulatory processes

Example: E-manifest required regulatory reform to replace paper with digital platform.



Projected Savings: \$75 million and reduction in 400,000-700,000 FTE hours.



Modernize regulatory framework and convert to electronic

Current project: Consolidate Financial Assurance (FA) reporting under four statutes

- Industry spends est. 420,000 hrs establishing FA and \$33M on paper form filings.

**FA Universe
approx \$17B
in insurance
obligations**



**\$5B Known
CERCLA FA**



**\$5B Known
RCRA FA**



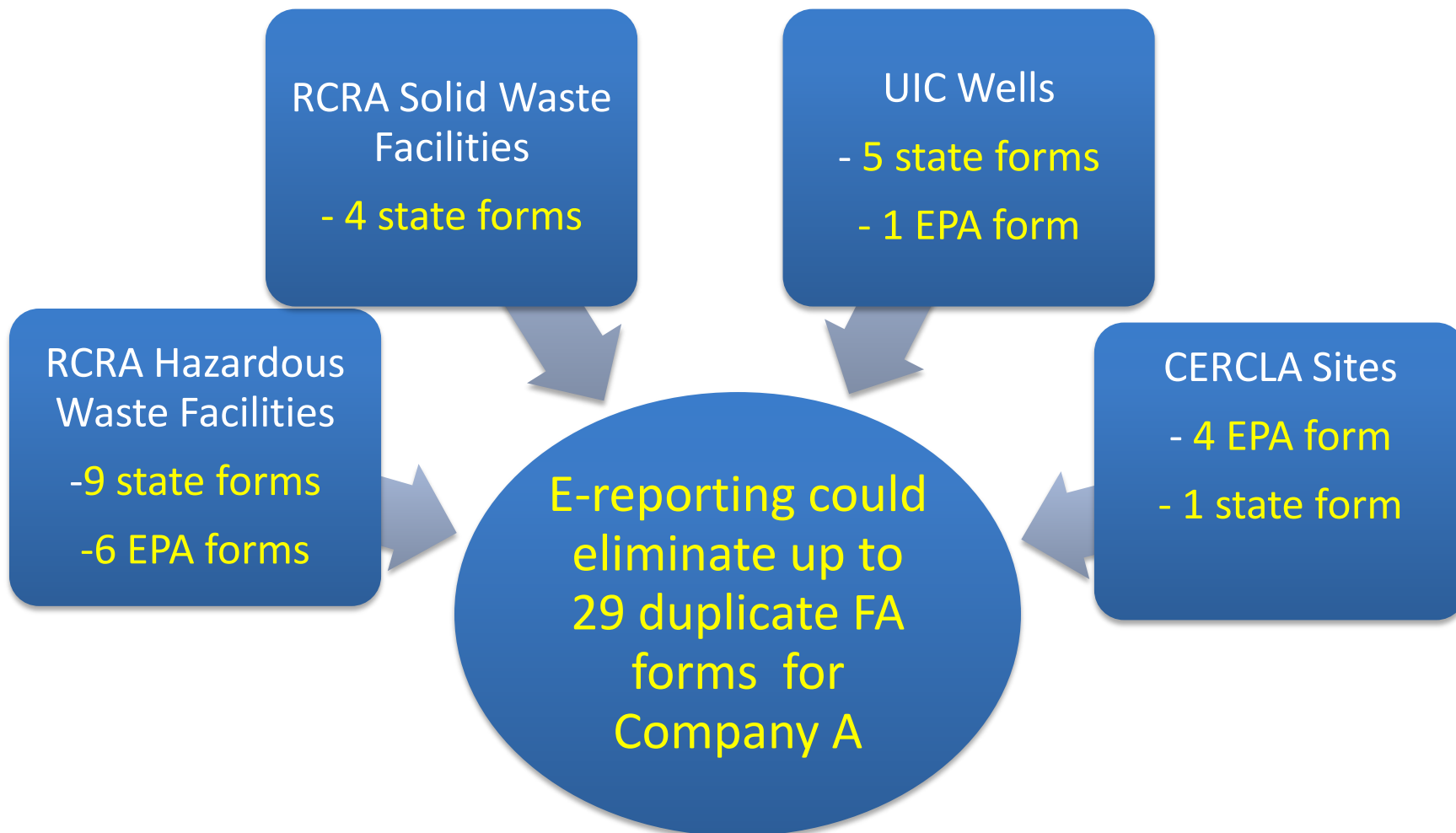
**\$6B
Estimated
SDWA FA**



Modernize regulatory framework and convert to electronic

Significant opportunities for burden reduction, data consolidation and improved performance.

(FA example from actual “Company A”)



Build on the Successful Partnership of the Environmental Information Exchange Network

- 30 common data standards and interoperable technology
- All 50 States and over 20 Tribes established and exchanging environmental information on the Exchange Network



Creating Shared Business Services through EPA's Cross-Media Electronic Reporting Regulation (CROMERR) to enable e-reporting.

Examples of shared business services

PayPal

Enter your information

Secure 

After you create your PayPal Account, we'll ask you to link your bank account, debit card, or credit card. Then, you can start using PayPal right away.

We don't share your financial information with third parties.

1. Set up your account

Email address

You will use this to log in to PayPal

Choose a password

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bing

Bing Rewards Accounts

Please sign in with your Bing Rewards Microsoft account or Facebook ID to access your account.

 Microsoft account

Sign in

 Facebook

Log in

- Enables states and EPA programs to identity proof electronic signatures to make sure associated with a real person.
- Similar to shared business services offered by many commonly used sites.

Program conversion to electronic/2-way Portal

Smart Portal (regulated entities view)

user-friendly
“smart” portal

two-way
transactions
between agencies
& regulated
entities

better service and
reduced burden


EPA United States Environmental Protection Agency

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What does this portal offer?

- ♦ electronic reporting
- ♦ regulatory reform
- ♦ optimum business
- ♦ transparency
- ♦ burden reduction

Notifications
System notifications will alert you of potential data errors or violations.

Sample:
• Annual compliance fee of \$175 for BWP 1W38 is due on January 31, 2013.

[Sign up for Notifications](#)

My Profile

Sign in
User
Password
[Forgot password?](#)

New User? [Create Profile](#)

SAMPLE

Program conversion to electronic

Smart Portal for 2-way Transactions (public view)

major enhancements
to EPA and state
platforms will provide a
more customized
experience through
secure user profiles

EPA United States Environmental Protection Agency

Mobile | Español | 中文：繁體版 | 中文：简体版 | Tiếng Việt | 한국어

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02421, MA

MyCommunity

Where can I advertise an environmental cleanup that is happening next week in my town? View this and more in MyCommunity.

Learn More

MyMaps

View maps of EPA and partner data specific to your area of interest. Information on Air, Water, Land, Community, Health and Energy can be visualized on map, downloaded and printed.

| Name | Type | Size | Status |
|---------------|-----------------|------------|--------------|
| Alewife Brook | Lake | 16.1 acres | Impaired |
| Alewife Brook | River | 2.3 miles | Impaired |
| Griswold Pond | Lake | 10.6 acres | Impaired |
| Blacks Nook | | | Impaired |
| Mill Pond | Artificial Path | 0.1 miles | Impaired |
| Mill Pond | River | 0.2 miles | Impaired |
| Bellevue Pond | | | Not Assessed |
| Nashoba Brook | Artificial Path | 0.0 miles | Impaired |
| Nashoba Brook | Lake | 8.6 acres | Impaired |
| Nashoba Brook | River | 7.9 miles | Impaired |

MyAir

The AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. Read More

Stow, MA

Current: N/A
Forecast: Good

MIDDLESEX County, Massachusetts
November Average Data (2006 - 2008)

| Pollutants | % |
|------------|------|
| Ozone | 87.8 |
| PM2.5 | 8.9 |
| PM10 | 0.0 |
| SO2 | 0.0 |
| NO2 | 0.0 |
| CO | 3.3 |

More info...

November Historical Data (2000-2002)

| Pollutants | % |
|------------|------|
| Ozone | 0.0 |
| PM2.5 | 25.6 |
| PM10 | 0.0 |
| SO2 | 0.0 |
| NO2 | 0.0 |
| CO | 74.4 |

MyWater

The Assessment Total Maximum Daily Load (TMDL) Tracking and Implementation System (ATTAINS) provides information reported by the states to EPA about the conditions in their surface waters. This information is required every two years under Clean Water Act Sections 305(b) and 303(d). Read More

MyEnergy

The State Energy Data System (SEDS) is the U.S. Energy Information Administration's (EIA) source for comprehensive State energy statistics. Included are estimates of energy

MyHealth

Toxic air pollutants, or air toxics, are those pollutants known or suspected of causing cancer or other serious health problems, such as birth defects. Not all air pollutants are considered "toxics"

MyLand

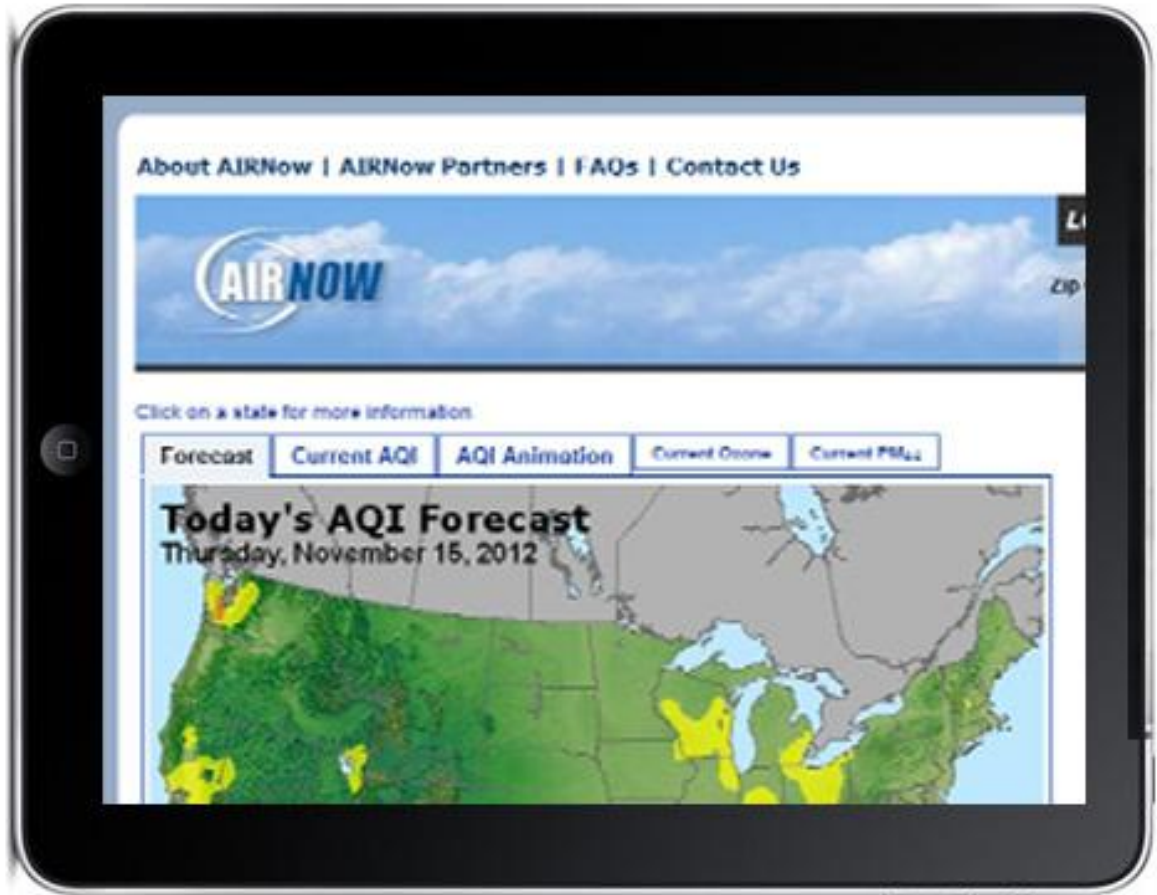
The National Priorities List (NPL) is the list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants.

Integrate advanced government monitoring and mobile technologies

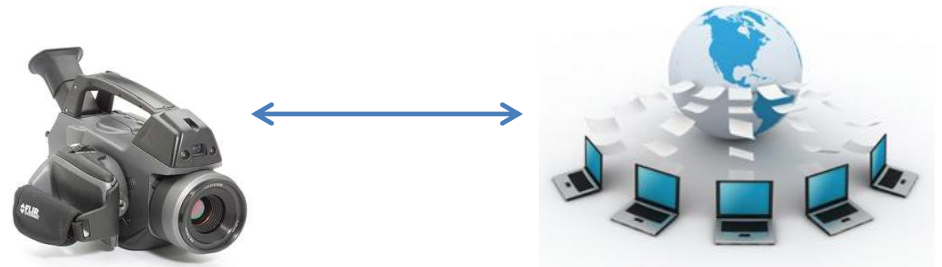
real-time info on releases and discharges of pollutants to air, water or land



Example



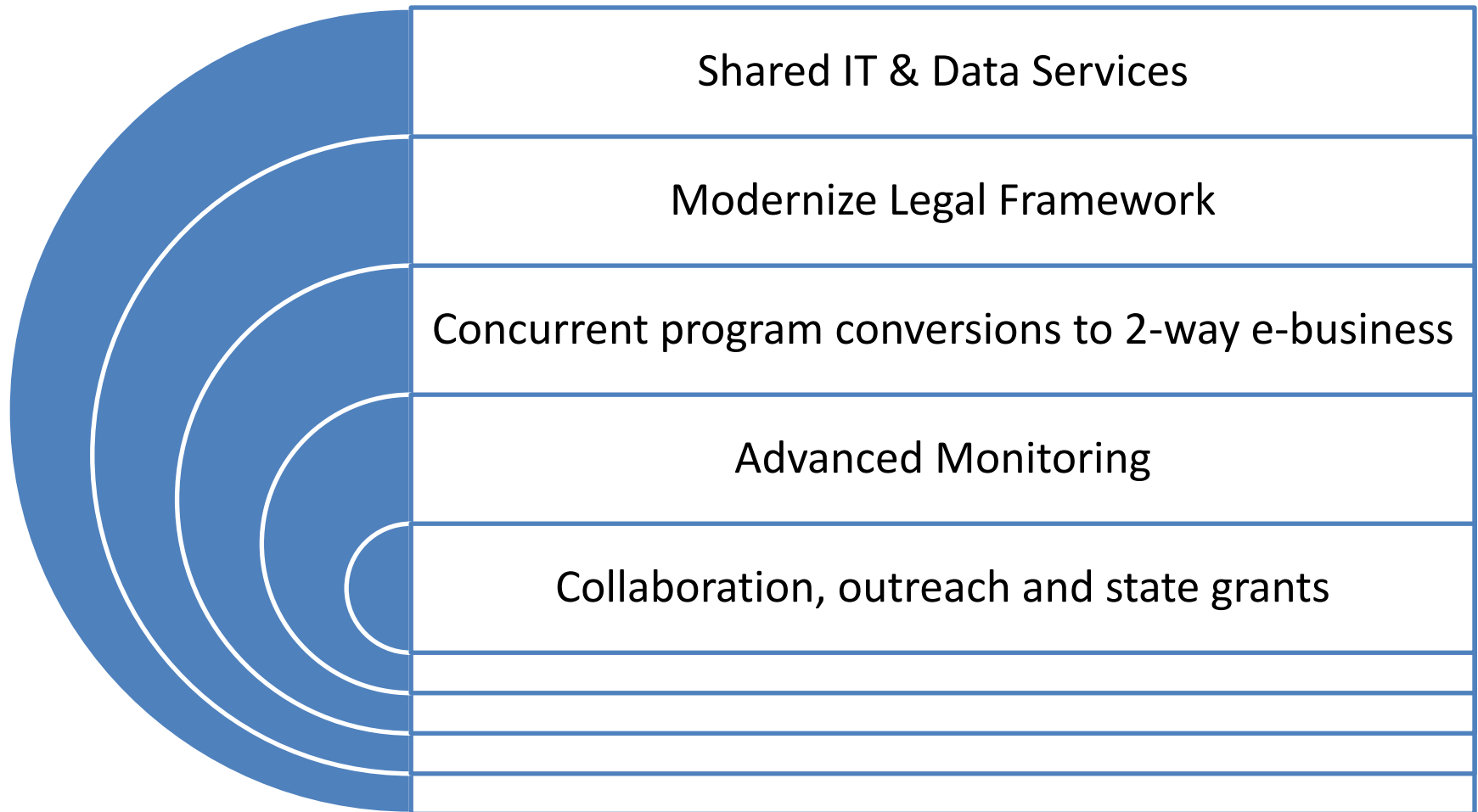
Expand environmental monitoring to give industry, government and the public enhanced ability to understand, avoid, treat or prevent pollutants



Optimize technology opportunities through integration



Preliminary Phasing Plan: 5 groups of projects with many interconnections.



Unique Features of E-Enterprise

- E-Enterprise is a one-EPA initiative to modernize our business
 - Not just a similar set of IT projects.
- Many E-Enterprise projects do not have natural single office home
- Large Change in how EPA does its business
- Collaboration with ECOS in developing, managing and implementing
 - Not simply EPA sending ECOS almost finished products for comment.