

PORTALS IN ACTION

Hope Kosier, *EPA OEI*

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2017 Exchange Network National Meeting

Innovation and Partnership

May 15-18, 2017

**Sheraton Philadelphia Society Hill Hotel
Philadelphia, Pennsylvania**

#EN2017

<http://www.exchangenetwork.net/en2017>

Abstract

First launched in 2015, the E-Enterprise Portal is being developed by EPA, State and Tribal Partners to provide users with a secure, central interface to conduct business with environmental agencies. With a wide range of target users, including regulated entities and the public, the Portal provides an easy-to-use, customized platform to allow electronic communications with co-regulators, while also providing useful environmental and public health information and resources. With continued investment and long term stewardship, the Portal aims to greatly expand its functionality, visibility and user-base to further enhance a customer-centric approach while ensuring data integrity and user confidentiality.

Topics

- State of *E-Enterprise Portal*
- *Assistance Gateway*
- *Be Well Informed* Implementation and Lessons Learned
- Portal of the Future and Partner Collaboration Opportunities

State of *E-Enterprise Portal*

Hope Kosier

Welcome to E-Enterprise.gov! ePortal.epa.gov has now moved to E-Enterprise.gov. Please update your bookmarks.



LOGIN

Browse as Guest

New User?

Customize your information

The E-Enterprise Portal provides an important new means by which users can customize the types of information presented to them, find and select tools and other resources, and conduct transactions with EPA, Tribes, and States.

See the video >>



1

2

3

[E-Enterprise Home](#)

[About](#)

[FAQs](#)

[Privacy and Security Notice](#)

[Accessibility](#)

[Conditions of Use](#)

[Release Notes](#)

[Developers' Area](#)

[GitHub](#)

Single Sign-On



03/20/2017 11:30 AM EDT: The web address for the E-Enterprise Portal Showcase environment has changed. The new web address is <https://eenterprise-portal-showcase.app.cloud.gov/eenterprise-new>. Please update your bookmarks.

Welcome to the E-Enterprise Showcase environment. This is a non-production demonstration environment and is not to be used for any regulatory activity.



E-ENTERPRISE
for the environment

Modernizing the business of environmental protection

Home

Questions?

Log in

Use your agency or EPA account...



Exchange Network



EPA LAN/WAM ID



PIV Smart Card



NMED Secure Extranet Portal



WY ENV-ITE

Or a social media account...



Facebook



Twitter

Other providers may be available in the future

Conduct Business

Progress Tracker

Last Updated:
4/17/2017 3:54 PM



Domain

- Any - ▼

#	Item	Domain	Status	Date	Actions
1	ERT Performance Report (State or Other Regulation, Other) Performance Test Report (Optional for Federal Reporting) BERNHARDT & TAYLOR CUSTOM CABINETS	CEDRI	In Progress	07/25/2017 PUBLISH DATE	View Submission
2	Firm Certification / Combination / (C361471)	Lead	Received	03/27/2017 STATUS CHANGED DATE	View Receipt
3	Firm Certification / Combination / (C361473)	Lead	Received	03/27/2017 STATUS CHANGED DATE	View Receipt

1 of 2



To Do

Last Updated:
4/17/2017 3:54 PM



All Items

This Week

Next Week

Beyond

Domain

CEDRI

Part Code

- Any - ▼

#	Item	Domain	Due
1	Review ERT Performance Report (State or Other Regulation, NSR/PSD) Performance Test Report (Optional for Federal Reporting) EVONIK GOLDSCHMIDT CORP DETAILS	CEDRI	05/18/2017 PUBLISH DATE
2	Review ERT Performance Report (State or Other Regulation, Other) Performance Test Report (Optional for Federal Reporting) BERNHARDT & TAYLOR CUSTOM CABINETS DETAILS	CEDRI	07/25/2017 PUBLISH DATE

Conduct Business

BETA

Chemical Laws & Regulations

Source: [US Environmental Protection Agency](#)

Find federal laws and regulations related to chemicals. As state and local partners join, more resources will be available. [Learn how it works.](#)

Enter chemical name or CAS #

Search chemicals

Powered by EPA Substance Registry Service and Laws & Regulations Service

[My Favorites](#) [Previous Searches](#)

You have 0 favorites saved. To add a favorite, use the [search](#) option.

Favorite Links

[Edit Profile](#)



My Facility Manager

Use of facility widget is subject to CDX [terms and conditions](#).

Organization
E-E Portal 2 Co.

Program

Select... ▼

Additional Resources

[Leesburg, VA](#) [My locations](#) [US EPA](#) [All](#)

Showing 1 to 2 of 2 entries

Filter:

Source	Resource	Topic
VA	VA DEQ State Resources https://testing.com	All
VA	Environmental Protection Electronic Permitting System https://apps.dep.wv.gov/eplogin.cfm	Energy

Provide Information

U.S. EPA 2017 Construction General Permit (CGP) Search

Source: [US Environmental Protection Agency](#)

Find Notices of Intent (NOIs), Notices of Termination (NOTs), or Low Erosivity Waivers (LEWs) submitted under the U.S. EPA 2017 Construction General Permit (CGP). At this time, search results will only include activity with the national NPDES eReporting Tool (NeT-CGP) for U.S. EPA lead and participating states and tribes.

Enter one or more search criteria

Site / Facility name

NPDES ID

City

State/Territory

All ▼

Zip

Status ⓘ

All ▼

Form Type

All ▼

► Advanced search criteria

Reset

Search

BETA

Be Well Informed

Source: [New Hampshire Department of Environmental Sciences](#)

Have a well and wonder what your water testing results mean?

The Be Well Informed Guide lets you enter your test results and get feedback about health concerns and water treatment choices.

Be Well Informed was created for New Hampshire residents, and has the [most common contaminants](#) that affect wells there. It may not have all the contaminants present in your area - for those it does have, it can provide useful information.

A quick disclaimer before we start.

Information provided on this website is for informational purposes only and should not be substituted for direct consultation with a qualified water treatment professional. Other conditions or factors related to your well or home not considered by this online guide may determine the most appropriate water treatment option.

Check your water

BETA

Resources for Local Communities



Manage My Profile Topics

Provide Information

Manager (148)

My Environment Mapper

For more information, like water quality and UV index, visit [MyEnvironment](#).



Trending Air

Updated every minute via [Village Green](#)

Interactive Maps

116 maps - [Browse US EPA gallery](#)

All Air Water Land



The March 3, 1966 Candlestick Park Tornado

On March 3, 1966, one of the most devastating tornadoes in...

National Oceanic and Atmospheric Administration (NOAA)
[gts.community@noaa.gov](#)



L.A. Area Current Weather Observations Web Map

Weather Observations Web Map for select California cities in San Luis Obispo, Santa Barbara, Ventura, and Los Angeles Counties.

National Oceanic and Atmospheric Administration (NOAA)
[gts.community@noaa.gov](#)



What El Niño Means for Southern California

A story map prepared by the Los Angeles/Oxnard, CA National...

National Oceanic and Atmospheric Administration (NOAA)
[gts.community@noaa.gov](#)

My Air

Air Quality Index AirNow Maps

Source: [AirNow.gov](#)

[View chart description](#) | [Learn more about AQI categories and ranges](#)

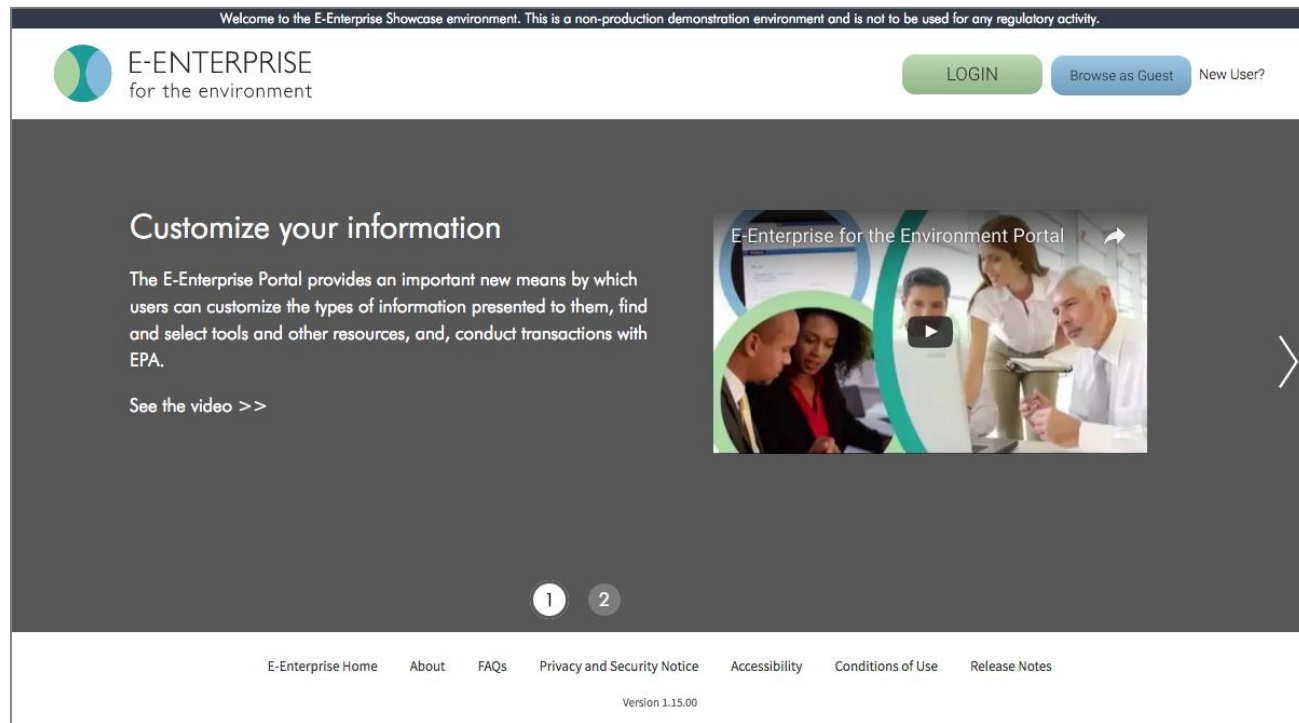
Leesburg, VA

Assistance Gateway (aka Local Government Portal)

Hannah Humphrey and Sheryl Rosner

The Assistance Gateway is a component of the E-Enterprise Portal

The Assistance Gateway addresses a need expressed by local governments and tribes to gain easy access to decision-making tools and resources to improve environmental infrastructure, compliance, critical assets, health, and sustainability.




<http://eportal.epa.gov>

Develop your user-profile during the initial login after registering with:

- Locations of interest
- Interests
- Favorites

At any time, you may modify these selections and new information would be saved to the workbench.

Welcome to the E-Enterprise Showcase environment. This is a non-production demonstration environment and is not to be used for any regulatory activity.

 E-ENTERPRISE
for the environment

My account | FAQs | Log out | Logged in as: Tester081_Via_Exchange_Network

Workbench | App Connect | Questions?

Profile

Save

Account | Locations | Interests | Favorites

Locations of Interest

Add a location of interest to see environmental information relevant to that area. **Select your primary location by clicking the ☆ icon.**

Enter city, state; tribe; or ZIP code

★

×

Lexington, MA

☆

×

Lafayette, LA

☆

×

New Location

Chicago, IL

All unsaved data will be lost upon navigating away from the Profile page.


Save | Delete Profile

E-Enterprise Home | About | FAQs | Privacy and Security Notice | Accessibility | Conditions of Use | Release Notes

Version 1.15.00

Specify your Organization and Role

Welcome to the E-Enterprise Showcase environment. This is a non-production demonstration environment and is not to be used for any regulatory activity.

 **E-ENTERPRISE**
for the environment

[My account](#) [FAQs](#) [Log out](#) Logged in as: Tester081_Via_Exchange_Network

GETTING STARTED

What matters to you?

We have many resources and will be adding more. To personalize your experience, you can include location details below. You can adjust this later in 'My account' too.

Location that interests you

Pick a location to see environmental information for that area. Until you choose a location, the default location will be Durham, NC.

Location **Lexington, MA (02421)** [Change location](#)

My organization


- ✓ Select organization
- Research
- Business
- Federal government
- State government
- General public
- Local government
- Education

My role

[Skip this](#) [Next > Interests](#)

Trending Air

Target Audience: regulated tribes and communities responsible for environmental compliance

E-ENTERPRISE
for the environment

My account | FAQs | Log out | Logged in as: Tester081_Via_Exchange_Network

Modernizing the business of environmental protection

Workbench

To Do
You have no ta

My Air
Air Quality
Source: AirNow
View chart des

Trendin
Updated every m
Air monitoring st
Durham, NC
Temp 95.2
Humidity 38.8
Wind 6.5 S
Ozone 58
PM_{2.5} 18

Questions?

GETTING STARTED

What matters to you?

We have many resources and will be adding more. To personalize your experience, you can include location details below. You can adjust this later in 'My account' too.

Location that interests you
Pick a location to see environmental information for that area. Until you choose a location, the default location will be Durham, NC.
Location **Lexington, MA (02421)** [Change location](#)

My organization
Local government

My role
Select role

Community size
25,000 - 100,000

My community is mostly...
☐ N/A
☐ Rural
☒ Urban

[Skip this](#) [Next > Interests](#)

Workbench

Questions?

GETTING STARTED

What matters to you?

We have many resources and will be adding more. To personalize your experience, you can include location details below. You can adjust this later in 'My account' too.

Location that interests you

Pick a location to see environmental information for that area. Until you choose a location, the default location will be Durham, NC.

Location **Lexington, MA (02421)** [Change location](#)

My organization

Local government

My role

- ✓ Select role
- Utilities manager
- Program manager
- Data steward
- Community outreach
- Budget and operations

Community size

25,000 - 100,000

☒ Urban

[Skip this](#)

[Next >
Interests](#)

Temp

95

° F

Humidity

39.1

%

Wind

2.9 SW

mph

Ozone

60

ppb

PM_{2.5}

18

µg/m³

Resources for Local Communities

Brownfields and Redevelopment and Industrial Cleanup

Climate Change

Conservation and Alternative Energy

Drinking Water and Wastewater

Emerging Technologies, Issues and Topics

Finance and Grants

Indoor and Outdoor Air Quality

Municipal/Industrial Solid Waste Management

Natural Disaster and Emergency Management

Stormwater

Water Quality and Restoration

**User selects
topics
of interest**

Information prompt provides a description of the resource

Resources for Local Communities

Manage My Profile Topics

All My Resources

Adjust selections

Source

Topic

Category

- ☐ Asset Management (15)
- ☐ Best Management Practices (12)
- ☐ Capacity Development (9)
- ☐ Emergency Preparedness (20)
- ☐ Energy Efficiency (15)
- ☐ Environmental Justice (1)
- ☐ Financial Assistance (26)
- ☒ Green Infrastructure (10)
- ☐ Monitoring (13)

Tool Type

Training Level

Data Requirements

Relevance

YOUR SELECTIONS

Green Infrastructure x

Clear Selections

Showing 1 to 5 of 10 entries (filtered from 193 total entries)

Filter:

Resource	Info	Source
EPANET		EPA
Green Infrastructure Wizard (GIWIZ)		EPA
HEC-RAS Hydrologic Engineer Centers River Analysis System		US Army Corps of Engineers
MyWATERS Mapper		EPA
National Stormwater Calculator		EPA

1 of 2

Resource Info

Uses natural landscapes to manage water and provide environmental and community benefits. Provides access to tools and resources that can support and promote water management and community planning decisions. Interactive Web application that connects communities to EPA green infrastructure tools & resources.

Version 1.16.00

Green Infrastructure Wizard

Green infrastructure uses natural landscapes to manage water and provide environmental and community benefits. EPA's [Green Infrastructure Wizard](#), or [GIWiz](#), provides access to tools and resources that can support and promote water management and community planning decisions.

What is GIWiz?



GIWiz is an interactive web application that connects communities to EPA Green Infrastructure tools & resources.

GIWiz offers quick, direct access to Green Infrastructure tools & resources. Users can produce customized reports.

[Visit GIWiz today](#)

Features include:

Quick Links - Customized access to thousands of green infrastructure tools & resources, according to one of four objectives.

Explore - Access to an interactive database of green infrastructure tools & resources, based on your individualized specifications.

Connect - For application related questions, send an email to GIWIZ@epa.gov.

[Contact Us](#) to ask a question, provide feedback, or report a problem.



Resources

- [Fact Sheet](#)

Key Links

- [Green Infrastructure Home](#)
- [National Exposure Research Laboratory](#)
- [Office of Policy](#)

Example of resources offered

YOUR SELECTIONS

Green Infrastructure x

Clear Selections

Showing 1 to 5 of 10 entries (filtered from 193 total entries)

Filter:

Resource	Info	Source
EPANET		EPA
Green Infrastructure Wizard(GIWIZ)		EPA
HEC-RAS Hydrologic Engineer Centers River Analysis System		US Army Corps of Engineers
MyWATERS Mapper		EPA
National Stormwater Calculator		EPA

1 of 2

- Preliminary resource inventory includes more than 400 tools
- Curated selections of popular and useful tools for topic areas appear in “my resources”

Favorite Links

[Edit Profile](#)



[Green Infrastructure Wizard\(GIWIZ\)](#)

Assistance Gateway takes advantage of Reusable Component Services (RCS)

Reusable Component Services (RCS) provides a central point of access to a broad range of IT resources, components and services used in various EPA and partner systems. It enables reuse of these resources, which helps reduce cost, speed development, and produce higher quality systems and applications.

RCS allows users to:

- Catalog reusable information assets for EPA and its partners
- Load metadata about assets
- Harvest metadata from other Agency registries and repositories
- Relate services, data assets, and the systems and applications they are used in
- Access a single interface through which users can search for all resources regardless of their type and location

Assistance Gateway houses its resources in RCS and can be edited by persons who have access to RCS and are stewards of the resources.

Assistance Gateway-Missouri



Profile

User Profile

Profile Details ⓘ

First Name

Hannah

Middle Name

Email

hannah.humphrey@dnr.mo.gov

Username

hannah.humphrey@dnr.mo.gov

Office Phone

Cell Phone

Fax

Email me when there is a new announcement ☒

Employed by or Represent ⓘ

- ☒ City, village or town
☐ Federal government
☐ Public Safety
☐ Water or sewer district

- ☐ County Government
☐ Non-profits
☒ State government
☐ Other

What is the population size of your community?

Less than 500

Role ⓘ

- ☒ Administrator
☐ Board or council member
☐ Drinking Water Operator
☐ Private citizen
☐ Wastewater Operator

- ☐ Alderman
☐ Chairman or Trustee
☐ Mayor
☐ Public Works Superintendent or Director
☐ Other

Resources of Interest

What topics or categories of resources are you interested in? Set your preferences here and we when you search for resources, we will automatically filter them based on your interests.

Preferences

Topic

- | | | |
|--|---|---|
| <input type="checkbox"/> Air Quality ⓘ | <input type="checkbox"/> Asbestos ⓘ | <input type="checkbox"/> Brownfields Redevelopment & Industrial Cleanup ⓘ |
| <input type="checkbox"/> Drinking Water ⓘ | <input type="checkbox"/> Hazardous Wastes, Substances and Chemicals ⓘ | <input type="checkbox"/> Historic Preservation ⓘ |
| <input type="checkbox"/> Natural Disaster and Emergency Management ⓘ | <input type="checkbox"/> Parks, Trails & Playgrounds ⓘ | <input type="checkbox"/> Solid Waste Management & Recycling ⓘ |
| <input type="checkbox"/> Stormwater ⓘ | <input type="checkbox"/> Tires ⓘ | <input checked="" type="checkbox"/> Wastewater ⓘ |
| <input type="checkbox"/> Roads, Buildings & Facilities ⓘ | <input type="checkbox"/> Water Quality Planning & Restoration ⓘ | |

Category

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Asset Management ⓘ | <input checked="" type="checkbox"/> Governance ⓘ | <input checked="" type="checkbox"/> Sampling & Monitoring ⓘ |
| <input type="checkbox"/> Cleanup ⓘ | <input checked="" type="checkbox"/> Compliance Assistance ⓘ | <input checked="" type="checkbox"/> Financial Assistance ⓘ |
| <input checked="" type="checkbox"/> Financial Planning ⓘ | <input checked="" type="checkbox"/> Infrastructure Planning ⓘ | <input checked="" type="checkbox"/> Infrastructure Repair and Upgrade ⓘ |
| <input type="checkbox"/> Nonpoint Source Water Pollution ⓘ | <input checked="" type="checkbox"/> Operation & Maintenance ⓘ | <input type="checkbox"/> Operator Certification ⓘ |
| <input type="checkbox"/> Recycling ⓘ | <input type="checkbox"/> Waste Management ⓘ | <input type="checkbox"/> Source Water Protection ⓘ |
| <input type="checkbox"/> Watershed Plan ⓘ | <input type="checkbox"/> Watershed Restoration ⓘ | <input type="checkbox"/> Soil Conservation ⓘ |
| <input checked="" type="checkbox"/> Emergency Preparedness ⓘ | <input type="checkbox"/> Emergency Response ⓘ | <input checked="" type="checkbox"/> Energy Efficiency ⓘ |
| <input type="checkbox"/> Permits and Regulatory Reporting ⓘ | <input type="checkbox"/> Landfills ⓘ | <input type="checkbox"/> Environmental Information ⓘ |
| <input type="checkbox"/> Advocacy ⓘ | | |

Save

Back

- ☐ Non-profit or community group representative
☐ School representative

View Resources

Resources of Interest

Filter by Topic

Mark your
favorites by
clicking the star

View/Manage

Advanced Search

My Favorites

Topic

Air Quality

Asbestos

Brownfields Redevelopment & Industrial Cleanup

Drinking Water

Hazardous Wastes, Substances and Chemicals

Historic Preservation

Natural Disaster and Emergency Management

Parks, Trails & Playgrounds

Roads, Buildings & Facilities

Solid Waste Management & Recycling

Stormwater

Tires

Wastewater

Water Quality Planning & Restoration

Clear

	Description IT	Topic
<div>★</div> <div>View Details</div> <div>Asset Management for Local Officials</div>	This U.S. Environmental Protection Agency fact sheet is designed to help local officials understand the basics of asset management and their role in its implementation.	Drinking Water, Wastewater
<div>★</div> <div>View Details</div> <div>Planning a Wastewater System Project</div>	This fact sheet provides wastewater system owners an overview of the steps generally involved in a wastewater infrastructure project. The first step is to hire a Missouri registered professional engineer.	Wastewater
<div>★</div> <div>View Details</div> <div>Communicating the Value of Drinking Water Services</div>	This guide summarizes public relations campaigns undertaken by water utilities to raise public awareness that drinking water systems provide to their customers. Contains examples of communication materials and successful approaches.	Drinking Water, Wastewater
<div>★</div> <div>View Details</div> <div>Check Up Program for Small Systems (CUPSS) Asset Management Tool</div>	CUPSS is a free, easy-to-use, asset management tool for small drinking water and wastewater utilities. CUPSS leads users through a series of modules to collect information on a utility's assets, operation and maintenance activities, and financial status to produce a prioritized asset inventory, a set of financial reports and an asset management plan.	Drinking Water, Wastewater
<div>★</div> <div>View Details</div> <div>No-Discharge Wastewater Treatment</div>	The department's No-Discharge Wastewater Treatment webpage provides an overview of no-discharge wastewater systems and serves a resource for those considering installing or currently operating a no discharge system.	Wastewater
<div>★</div> <div>View Details</div> <div>One-on-One Help from a DNR Community Assistance Coordinator</div>	DNR Community Assistance staff offer support and coaching to local governments responsible for drinking water, wastewater treatment, stormwater management, solid waste management and other environmental issues. Coordinators may help by	Air Quality, Asbestos, Brownfields Redevelopment & Industrial Cleanup, Drinking Water, Hazardous Wastes, Substances and Chemicals, Parks, Trails &

Assistance Wizard

	Wizard Type	Wizard Name ↑↓	Wizard Description ↑↓
Take Wizard	Public drinking water system	Drinking Water Compliance and Infrastructure Planning	This recommendations report was created using a drinking water assistance report created by the Department of Natural Resources to assist local governments planning and accessing resources.
Take Wizard	Domestic wastewater treatment system	Wastewater Compliance & Infrastructure Planning for POTWs	This recommendations report was created using a wastewater assistance report created by the Department of Natural Resources to assist local governments planning for current and future wastewater treatment and accessing resources.
Take Wizard	Air and Land	Small Community Guidance for Protecting Air, Land and Stormwater	Receive recommendations to ensure your community is protecting air, land and stormwater.

Responses to wizard questions will indicate areas that a change in operation, planning, training or assistance may improve the overall operation of the systems. Communities are encouraged to establish short-term and long-term goals based on local priorities. Many of the recommended activities will enhance the operation of drinking water and wastewater systems, serve the overall sustainability of the community, and are activities the system operator can undertake at no additional cost to the community. Some recommended activities are needed to ensure regulatory compliance and to protect public health and the environment. Please contact your local Community Services Coordinator for one-on-one assistance. Find the coordinator serving your area by visiting www.dnr.mo.gov/assistance.

Please note: This document does not address every federal, state, and local environmental requirement.

Assessment Name: Wastewater Compliance & Infrastructure Planning for POTWs
Date: 04/25/2017
Service Owner: DNR staff service
Service:
Description: This is a test

1. If your wastewater system is a discharging system, are any upgrades to the facility needed to meet new federal or state discharge limits that the existing system is not designed to meet?
- ☒ Yes
☐ No
☐ My facility is a no discharge system

Response

When a new permit contains effluent limits that the existing system is not designed to meet, the first step is usually to secure funding to hire an engineer to evaluate the existing facility, treatment options and estimate costs.

Expanded Response

When a new permit contains effluent limits that the existing system is not designed to meet, the facility owner will need to determine what type of facility changes are necessary to meet the new limits. For mechanical plants, oxidation ditches and sand filters, operations changes are sometimes sufficient, but a facility upgrade may be necessary. For lagoon systems, a facility upgrade or replacement is likely to be necessary. A facility upgrade or replacement is a major project that will require engineering as well as thorough managerial, operational, and financial planning. Your permit will contain a Schedule of Compliance, often a period of several years, to allow time to plan the project and secure funding. The first step is usually to secure funding to hire an engineer to evaluate the existing facility, treatment options and estimate costs. The fact sheet "Planning a Wastewater System Project," linked in Recommended Resources below, provides an overview of the steps generally involved in a wastewater infrastructure project.

If you are interested in help reviewing your options, and finding resources, please feel free to contact the department's Community Assistance Coordinator.

Resources

Wastewater Compliance & Infrastructure Planning for POTWs

1. If your wastewater system is a discharging system, are any upgrades to the facility needed to meet new federal or state discharge limits that the existing system is not designed to meet?

- ☒ Yes
☐ No
☐ My facility is a no discharge system

Response

When a new permit contains effluent limits that the existing system is not designed to meet, the first step is usually to secure funding to hire an engineer to evaluate the existing facility, treatment options and estimate costs.

Resources

One-on-One Help from a DNR Community Assistance Coordinator
Planning a Wastewater System Project
Small Community Engineering Assistance Grants

1 of 4

Previous Next Clear

04/25/2017

Page 1 of 3



Administrative Functions

Administrative interface used by state agency staff allows portal to be highly configurable

Custom Text

Search / Add

Custom Text Value

ID

Control

Search

Clear

Bulk Import

Bulk Export

	ID ¶	Code ¶	Value ¶	Updated By ¶
Edit	93	LGP_Home_Index_Assessments_PanelHeader	Assessments	niki.veit@oa.m
Edit	95	LGP_Home_Index_Assessments_ColumnName_Assessment	Quiz	lucas.knipp@oa
Edit	17	LGP_Assessments_Index_PanelHeader	Available Assessments	
Edit	68	LGP_Claim_Redeem_PageHeader	Code1	
Edit	175	LGP_ServiceOwner_IndexClaims_ColumnName_ClaimCode	Code	
Edit	173	LGP_ServiceOwner_IndexClaims_PanelHeader	Open Codes	
Edit	171	LGP_ServiceOwner_SendClaim_Button_SendClaim	Send Code	
Edit	168	LGP_ServiceOwner_SendClaim_PanelHeader	Send Service Owner Staff Code	
Edit	153	LGP_ServiceOwner_ManageServices_ServiceOwner_Button_RedeemClaim	Redeem Code	
Edit	76	LGP_Claim_SendClaim_Controller_ClaimSentFailure	Code failed to send.	

1 2 3 4 5 6 7 8 9 10 ... 39 39/39

Resource Topics

Search / Add

Topic Name

Search

Clear

Create

	Topic Name ¶	Topic Description ¶	Updated By ¶	Updated Date ¶
View Edit Delete	Water Quality Planning & Restoration	Water Quality Planning & Restoration is planning for restoration and maintenance of the chemical, physical, and biological integrity of the region's waters	hannah.humphrey@dnr.mo.gov	1/23/2017 10:38:48 PM
View Edit Delete	Natural Disaster and Emergency Management	Planning for and responding to hazardous substance releases, natural or man-made disasters, or security threats that impact public safety and the environment. Floods, tornadoes, cleanup, repair, waste management, recovery	hannah.humphrey@dnr.mo.gov	1/23/2017 10:34:44 PM
View Edit Delete	Brownfields Redevelopment & Industrial Cleanup	Industrial or brownfield property assessment, redevelopment of blighted properties, risk assessment management and cleanup	hannah.humphrey@dnr.mo.gov	1/23/2017 9:08:09 PM
View Edit Delete	Hazardous Wastes, Substances and Chemicals	Hazardous waste, hazardous substance, tanks, environmental emergency, contamination, cleanup, Superfund	hannah.humphrey@dnr.mo.gov	1/23/2017 7:33:58 PM
View Edit Delete	Roads, Buildings & Facilities	Demolition and renovation of derelict buildings, building waste management, gravel road dust suppression, community facilities	hannah.humphrey@dnr.mo.gov	1/20/2017 10:26:07 PM
View Edit Delete	Wastewater	Wastewater treatment facility, sewage and sewers, lagoon, treatment plant, oxidation ditch, sand filter, sewer pipes, sewer overflow, basement backup	hannah.humphrey@dnr.mo.gov	1/20/2017 5:27:09 PM
View Edit Delete	Tires	Scrap tire cleanup and recycling	hannah.humphrey@dnr.mo.gov	1/20/2017 5:25:21 PM
View Edit Delete	Stormwater	Stormwater, surface runoff, drainage, Municipal Separate Storm Sewer program	hannah.humphrey@dnr.mo.gov	1/20/2017 4:51:19 PM

Agency Staff

Edit

First Name

Last Name

Email

Roles

☒ Agency Admin
☐ Assessment Testing Admin
☒ Model Assessment Admin
☒ Resource Admin
☒ Resource Program Area Admin
☒ Resource Topic Admin
☐ Tooltip Admin

☒ Announcement Admin
☒ Custom Text Admin
☒ Occupation Admin
☒ Resource Availability Admin
☒ Resource Relevance Admin
☒ Service Owner Admin

☒ App Setting Admin
☒ Employer Type Admin
☒ Report Admin
☒ Resource Category Admin
☒ Resource Tool Type Admin

Claim

Send Agency Staff Claim

Email

Send Claim

Save

Back

National and **State** Resources Appear Together

MODEL STATE PORTAL



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

GATEWAY FOR COMMUNITY ASSISTANCE

- User profile
- Compliance and infrastructure wizards
- **Missouri Resources**



ARIZONA PORTAL

- User profile
- Compliance wizards
- **Arizona Resources**



...and any other states or tribes that
wish to use the portal code.

BETA

Resources for Local Communities

Manage My Profile Topics

All My Resources

Adjust selections

Source

(1)

☒ Missouri (3)

☒ NOAA (2)

☐ NRDC (2)

Topic

☐ Brownfields and Redevelopment and Industrial Cleanup (18)

☐ Climate Change (21)

☐ Conservation and

Category

Tool Type

Training Level

Data Requirements

Relevance

YOUR SELECTIONS

Missouri x NOAA x

Clear Selections

Showing 1 to 5 of 5 entries (filtered from 241 total entries)

Filter:

Resource	Info	Source
Missouri Municipal League	i	Missouri
Rural Sewer Grants	i	Missouri
The Climate Explorer	i	NOAA
U.S. Climate Resilience Toolkit	i	NOAA
Wastewater Treatment Operator Training Voucher Program	i	Missouri

Estimated investment for states and tribes to implement their own Assistance Gateway

Access source code and documentation from U.S. EPA Central Data Exchange

**8-16 Hours &
≤ 1 GB Server
Storage**

IT Professional installs code either on premise or in the cloud

40 - 80 Hours
Agency staff configure customizable labels and add content

Portal is available to your users on the web

Next Steps

- State and tribal engagement to add resources
 - Add state and tribal integration
- Improve overall “look and feel” of platform
 - Icons and visuals
- Add additional resources
- Keep platform up-to-date and continually improve services
- Longer term – develop crowdsourcing capability and greater interoperability

Be *Well* Informed
Implementation and Lessons
Learned

Chris Simmers

Selected for Portal

- Discussed at E-Enterprise Leadership Council (EELC) Meeting
- Noted that application:
 - offered both environmental and public health benefits
 - improved NHDES business process
- Determined the portal could be a vehicle for sharing the application with other E-Enterprise partners
- IOT kicked off and oversaw the project

Portal Considerations

- Could Be *Well* Informed be reverse engineered and reconstructed as a service that could be consumed by the E-Enterprise Portal?
- How could that engineering be done in a way that the functionality could be extended in the future to other E-Enterprise partners?

Approach

- Decouple the application's business logic from UI components and provide as services
- Define necessary services to support functionality including service request parameters and response formats
- De-couple UI logic from results analysis and re-implement as web services
- Collaboratively design the E-Enterprise Portal UI
- Build UI in the E-Enterprise Portal and consume new web services to perform validation, analysis, and display results

Extension to Partner States and Tribes

- The heart of New Hampshire Be *Well* Informed is a configurable XML document (flowcharts.xml) that:
 - Contains evaluation conditions
 - Maps conditions to messages to display to the well owner
 - Maps conditions to treatment options
 - Maps conditions to health impact information to the well owner
- Underlying services can made to be location aware so that a partner could modify the NH flowcharts.xml template with specific conditions, messages, and treatment options providing codeless customization for partner adoption.

```
<?xml version="1.0" encoding="utf-8"?>
<FlowCharts>
  <Contaminants>
    <Contaminant Value="As" Text="Arsenic" MCL="0.01 mg/L" NotEntered="Test your
water. Studies show that 1 in 5 private wells in New Hampshire have high arsenic."
      <Condition CheckOperator=">=" CheckValue="0.01">
        <False>
          <Condition CheckOperator=">=" CheckValue="0.005">
            <True>
              <Outcome IH="As1" HM="As1" TM="As1" GuidelineIcon="W"
GuidelineText="The value entered is close to exceeding the drinking water standard"/>
            </True>
            <False>
              <Outcome IH="As2" HM="As2" TM="As2" GuidelineIcon="M"
GuidelineText="The value entered meets the drinking water standard"/>
            </False>
          </Condition>
        </False>
        <True>
          <Condition CheckElement="Fe" CheckOperator=">=" CheckValue="0.1">
            <True>
              <Condition CheckElement="Mn" CheckOperator=">=" CheckValue
="0.1">
                <True>
                  <Outcome IH="As3" HM="As3" TM="As3a"
TreatmentOrder="1a,1b,5a,5b" GuidelineIcon="E" GuidelineText="The value entered
exceeds the drinking water standard"/>
                </True>
                <False>
                  <Outcome IH="As3" HM="As3" TM="As3b"
TreatmentOrder="1a,1b,5a,5b" GuidelineIcon="E" GuidelineText="The value entered
exceeds the drinking water standard"/>
                </False>
                <Missing>
                  <Outcome IH="As3" HM="As3" TM="As3c"
TreatmentOrder="1a,1b,5a,5b" GuidelineIcon="E" GuidelineText="The value entered
exceeds the drinking water standard"/>
                </Missing>
              </Condition>
            </True>
            <False>
              <Condition CheckOperator=">=" CheckValue="0.250">
                <True>
                  <Condition CheckElement="Mn" CheckOperator=">="&lt;"
CheckValue="0.1">
                    <True>
                      <Outcome IH="As3" HM="As3" TM="As3e"
... ..
```

Collaboration/Co-Development

- Possible inclusion in the E-Enterprise Platform should be factored into partner development activities up-front where possible
- If all partners build with flexibility and configurability (such as NH's flowchart.xml application component) as a principle, it is possible to share and benefit from each other's efforts
- Standards and processes for co-development, both for self-contained widgets and shared services should continue to be pursued by E-Enterprise governance

DEMONSTRATION



E-ENTERPRISE
for the environment

Modernizing the business of environmental protection

Be Well Informed

State/Tribe

Select a State/Tribe



Select a State/Tribe

Massachusetts

New Hampshire

Have a well and wonder what your

The Be Well Informed Guide lets you enter your test results and get feedback about health concerns and water treatment choices for your state or tribe.

Be Well Informed was created for residents, and has the most common contaminant that affect wells there. It may not have all the contaminants present in your area - for those it does have, it can provide useful information.

A quick disclaimer before we start.

Turns Out It's A Very Useful Pilot

- Application has environmental/public health benefits for the public
- Example of applying technology to improve a business process (DES gets 300+ calls/year about test results, treatment options)
- Using the E-Enterprise Portal as the vehicle for sharing the application with other States/Tribes (shared service)
- Joint development (OEI, CGI, DES/DoIT)
- Testing Joint Governance at the operational level, identifying important policy issues
- Fun

And Now a Word From Our Sponsors

- Application developed for NH Department of Environmental Services Drinking Water Program by a contractor, Voyager Systems
- NH Department of Information Technology provided technical oversight
- Funding for project is from the Centers for Disease Control and Prevention, Environmental Health Program
- Working with EPA's Portal development team in the Office of Environmental Information, in collaboration with the E-Enterprise Program
- Contractual support from CGI

E-Enterprise Portal
**Future State and Collaboration
Opportunities**

Laura Letson

Future Portal

A single interface for conducting electronic business
with U.S. environmental agencies

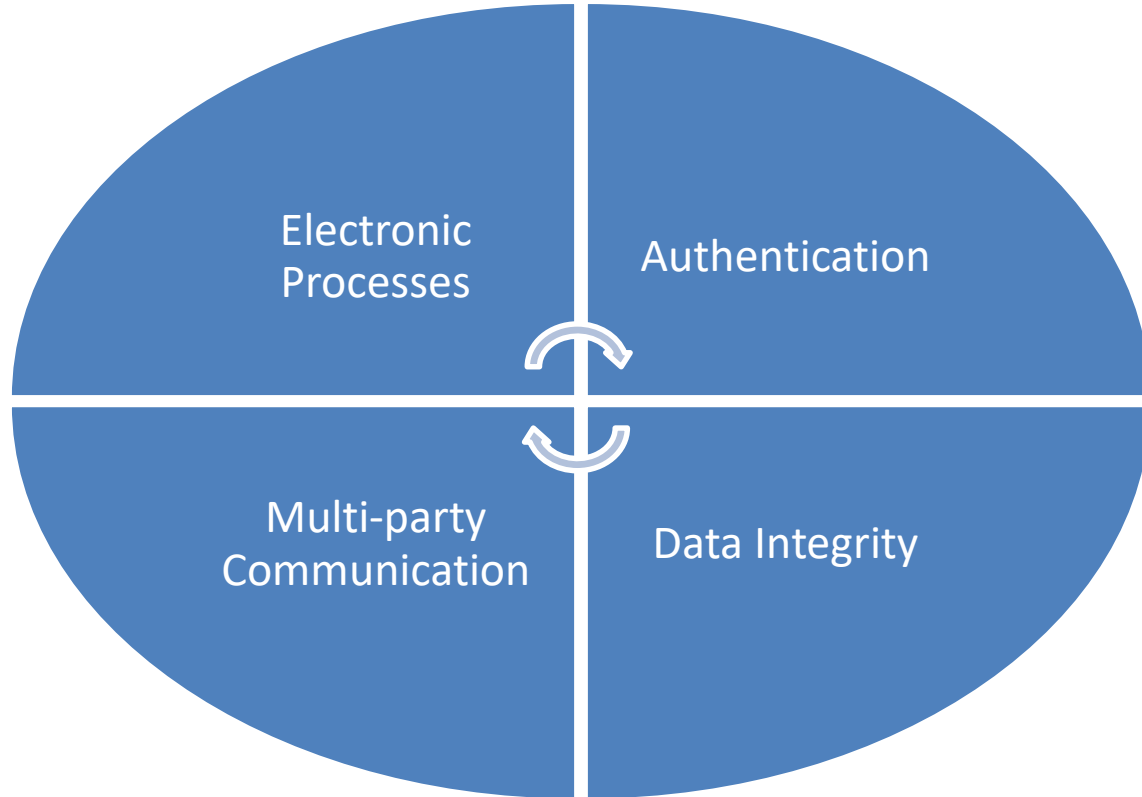
Disclose, Request, Engage, Analyze, Monitor,
Access, Participate, Report, ...

User-centric, Multi-agency, Efficient, Current, Relevant

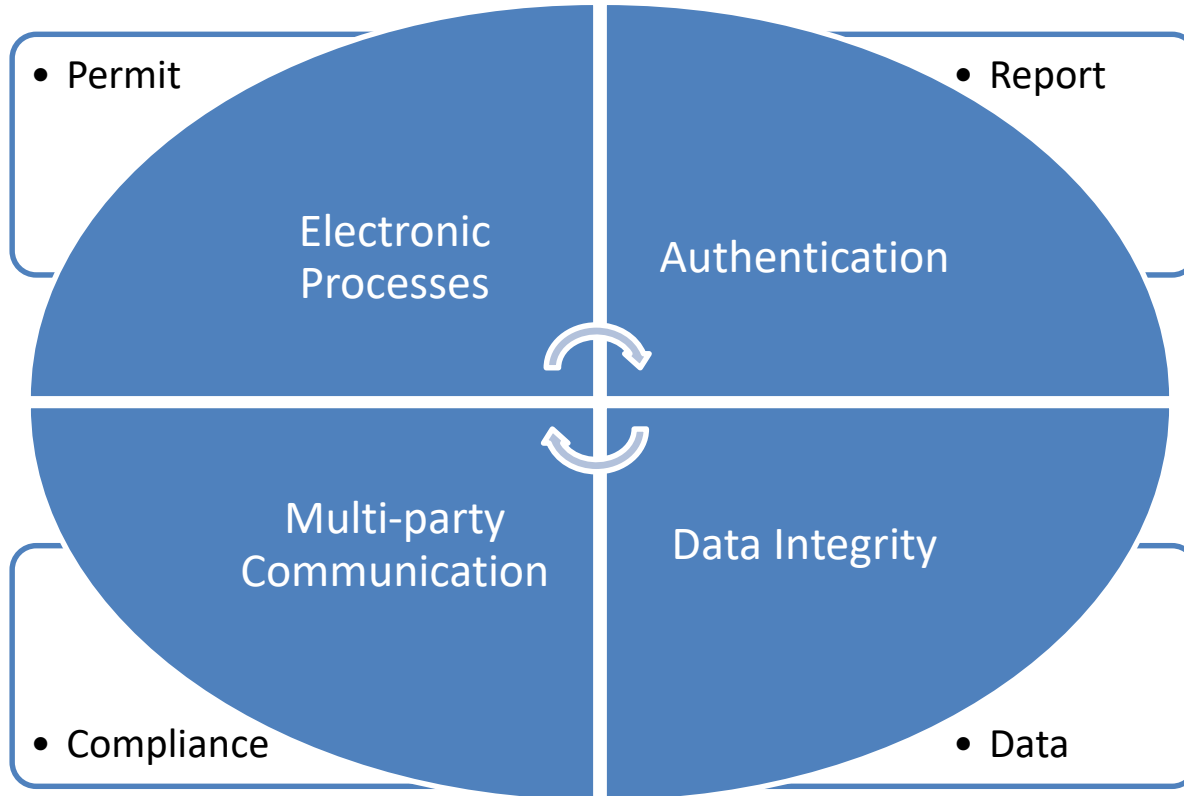
Anticipated Benefits

- Improve quality, integration and timeliness of information
- Reduce time and costs
- Access “smart” online tools to understand & comply with regulatory requirements
- Streamline permitting processes with progress tracking
- Integrate streamlined compliance with federal and state reporting requirements
- Customize access to environmental information & assistance tools
- Improve transparency for environmental decisions and conditions

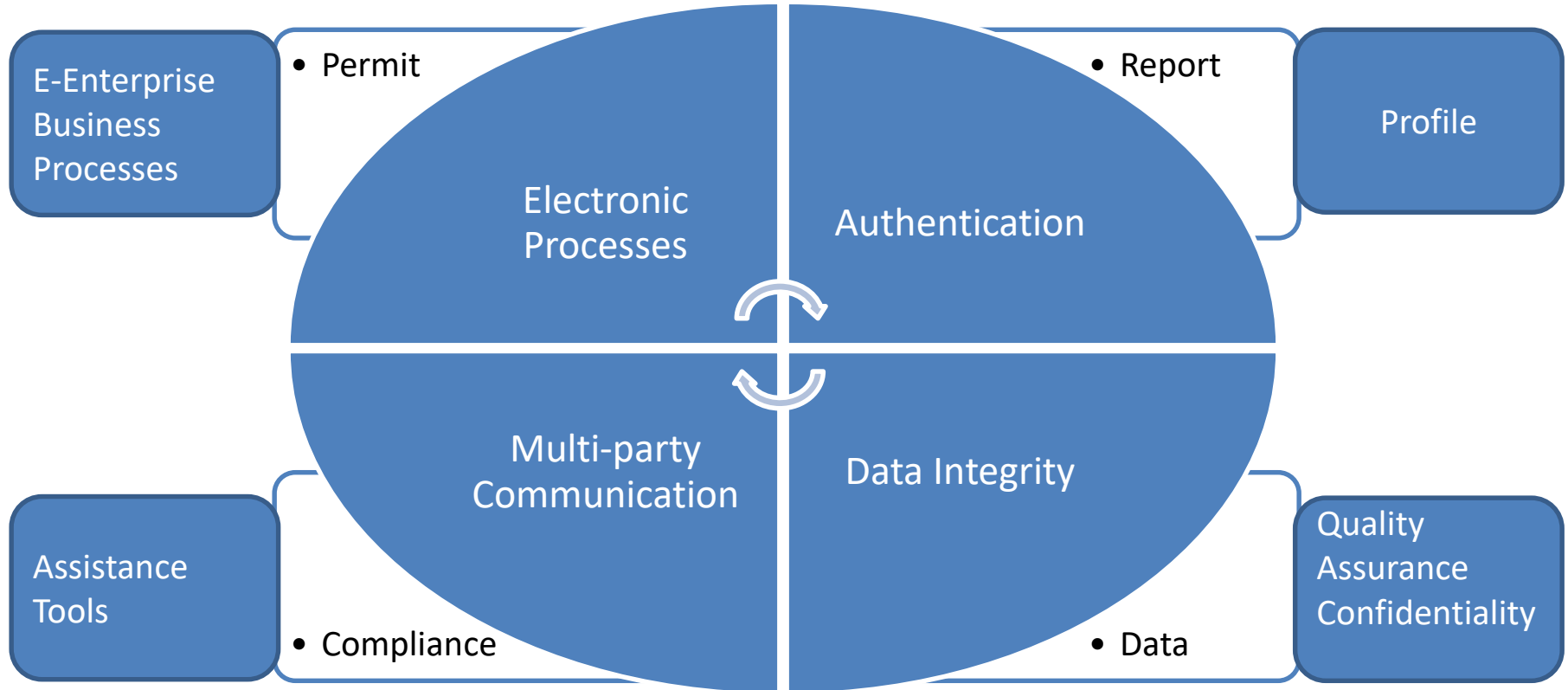
Services & Functions



Services & Functions



Services & Functions



Critical Dependencies

- Shared IT and data services
- Robust metadata program
- Strong and collaborative governance



Portal Collaboration Opportunities for E-Enterprise Partners

- Add State/Tribal authentication rights in Enterprise Identity Management
- Build and adopt Portal applications to support Portal Interoperability
- Participate in Laws and Regulations Registry Pilot
- Expand Resources in Assistance Gateway

➤ **2018 Exchange Network Grants Solicitation Notice**

Apply at www.epa.gov/exchangenetwork

Bigger Considerations

- Portal scope & content
- Operations & maintenance
- Design consistency



Feedback

What would help you
to do your business
better?

