

# Updates to the EPA Facility Widget for Sub-Facility Details

Marc Houyoux,  
Sally Dombrowski, Josh Drukenbrod, Eric Goehl  
US, EPA Office of Air Quality Planning and Standards  
CEDRI Contacts: Ketan Patel and Brandon Little

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Inventory Conference  
July 29 – August 2, 2019

# Overview

- Purpose of the Compliance and Emissions Data Reporting Interface (CEDRI)
- Overview of the Facility Registry Service – Risk and Technology Review (FRS-RTR) project
- A demonstration of the “beta” version of the facility widget designed for submitting data to EPA

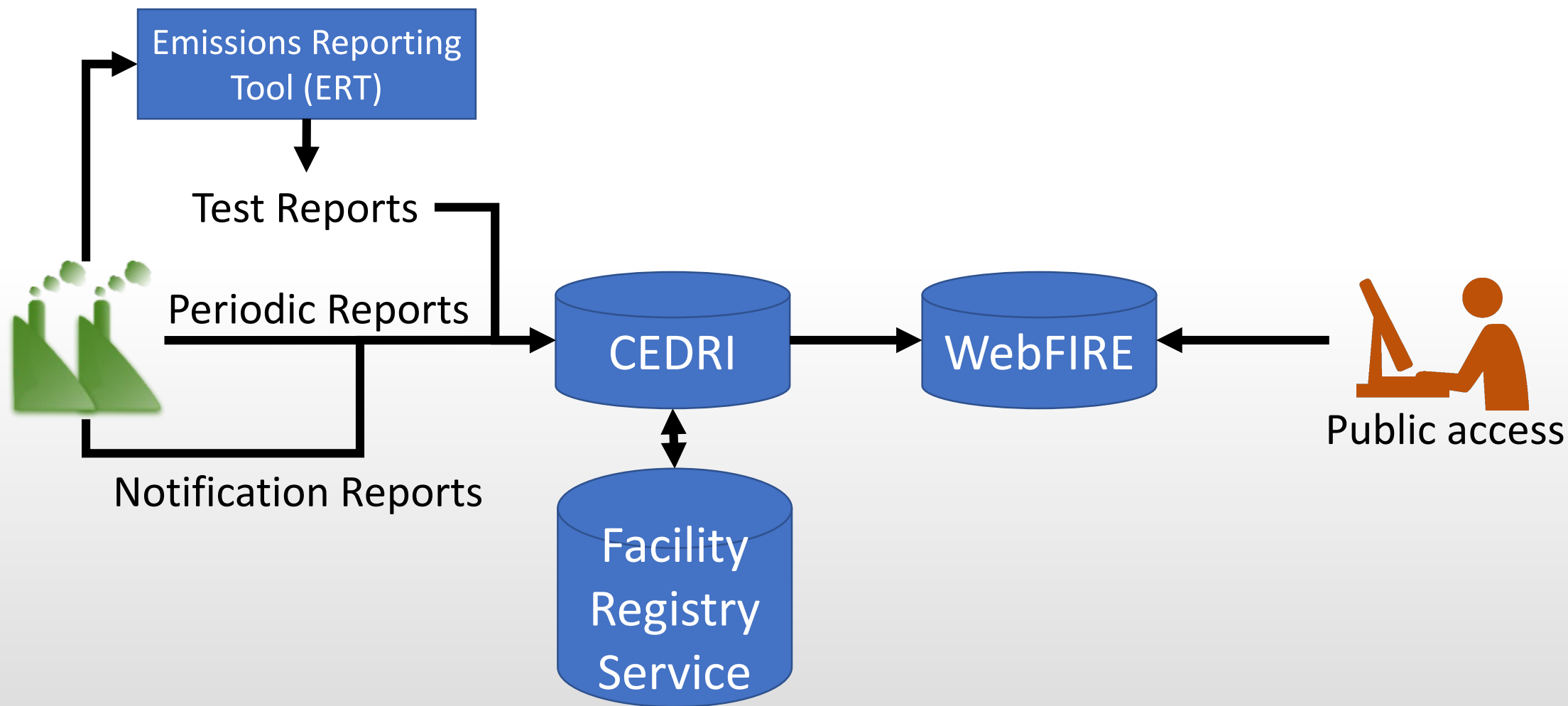


# CEDRI Purpose

- Data system for regulated facilities to submit electronic reports to EPA based on EPA regulations (40 CFR Parts 60, 62, and 63)
- Send stack test data to WebFIRE for reviewing and creating emission factors
- Secondary goal to be able to collect data for Information Collection Requests (ICRs)



# Basic CEDRI Data Flow





## Log in to CDX

**User ID**

**Password**

**Show Password**

[Log In](#)

[Register with CDX](#)

[Forgot your Password?](#)

[Forgot your User ID?](#)

[Warning Notice and Privacy Policy](#)

## Welcome

Welcome to the Environmental Protection Agency (EPA) Central Data Exchange (CDX) - the Agency's electronic reporting site. The Central Data Exchange concept has been defined as a central point which supplements EPA reporting systems by performing new and existing functions for receiving legally acceptable data in various formats, including consolidated and integrated data.



# CDX Central Data Exchange

[Contact Us](#)  
Logged in as MHOYOUX ([Log out](#))

MyCDX [Inbox](#) [My Profile](#) [Submission History](#) [Payment History](#)

Services		Manage
Status	Program Service Name	Role
	CEDRI: Compliance and Emissions Data Reporting Interface	<a href="#">EPA Reviewer</a>
	EEP: General E-Enterprise Use	<a href="#">E-Enterprise Portal</a>

### CDX Service Availability

[See the status for all program services](#)

### News and Updates

No news/updates.

[Add Program Service](#) [Manage Your Program Services](#)

You are here: [MyCDX](#)» Manage Program Services

## Manage Program Services

[Add Program Service](#)
[Back to MyCDX](#)
[\[Expand All\]](#) [\[Collapse All\]](#)

**INDIVIDUAL, Personal Address Provided, NA, DC, US 00000, (919) 541-3649**

### CEDRI: Compliance and Emissions Data Reporting Interface

Role	Program ID	Status	Details
EPA Reviewer	: OAQPS	Active ( <a href="#">Deactivate</a> )	<a href="#">Manage Facilities</a>

### EEP: General E-Enterprise Use



You are here: MyCDX» Manage Program Services» Manage Facilities

Registration Information

Organization	INDIVIDUAL
Program Service	CEDRI
Role	EPA Reviewer

My Facilities

Add Facilities

Manage Facilities (2 facilities managed)

List View | Map View

The facilities selected for this data flow and role are listed below. You may add facilities by clicking the 'Add Facilities' button or tab. The ability to edit a facility is available from the 'Facility Details' screen which is accessible by clicking the 'View/Edit Details' link for a facility in the table view or by clicking the 'Details' button on the map view. Please note that facilities with insufficient location information may not appear on the map view.

Filter:

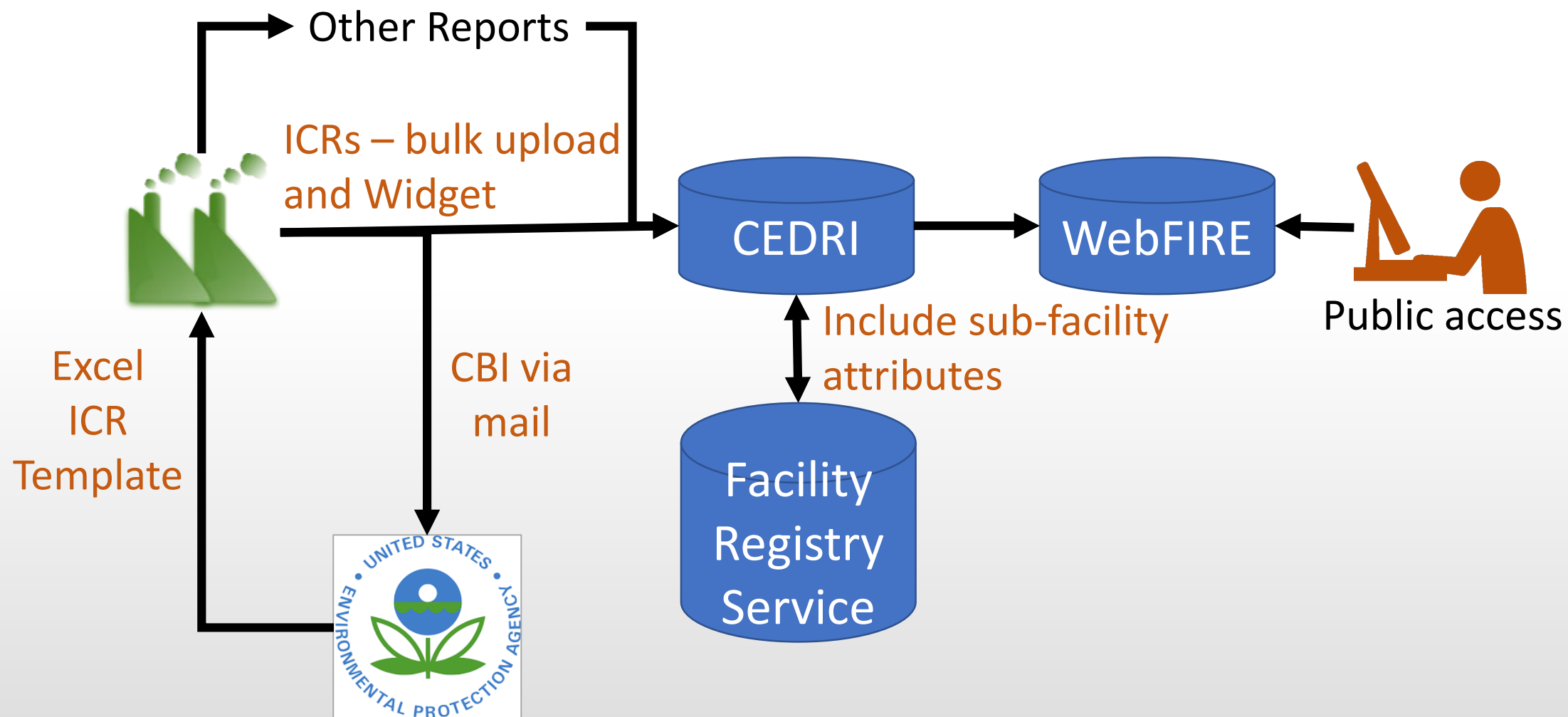
Export Options

EPA Registry ID	Program ID	Facility Name	Facility Address
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# FRS-RTR Project

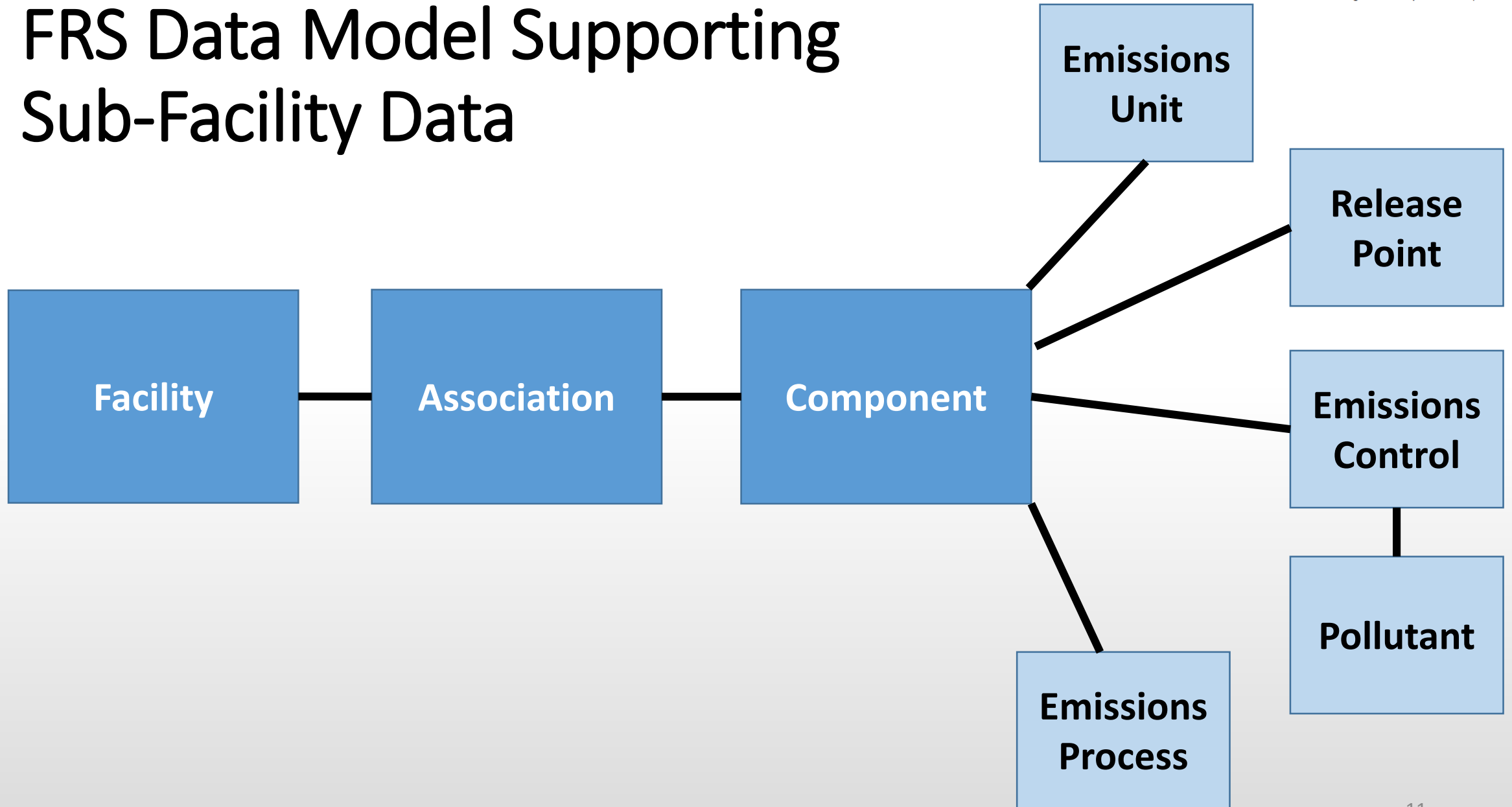
- Purpose: Update the FRS Widget and CEDRI to support sub-facility data and include bulk upload to support Risk and Technology Review (RTR)
- Focus is *facility attributes* (not test data or emissions)
- Supports RTR Program
  - Evaluate sector risks through modeling of emissions
  - Use Plywood sector as a case study
- Leverages CEDRI and the FRS Widget to:
  - Streamline and standardize RTR collection of sub-facility attributes (a.k.a. components) via CEDRI
  - Share RTR-collected facility attribute data with other programs via FRS, such as the National Emissions Inventory
  - Provide a mechanism for industry to provide sub-facility data directly

# FRS-RTR Goal for CEDRI Data Flow





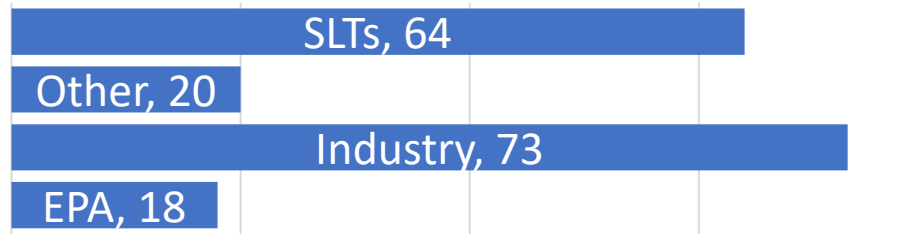
# FRS Data Model Supporting Sub-Facility Data



# FRS-RTR is a Step Towards Simplified Reporting

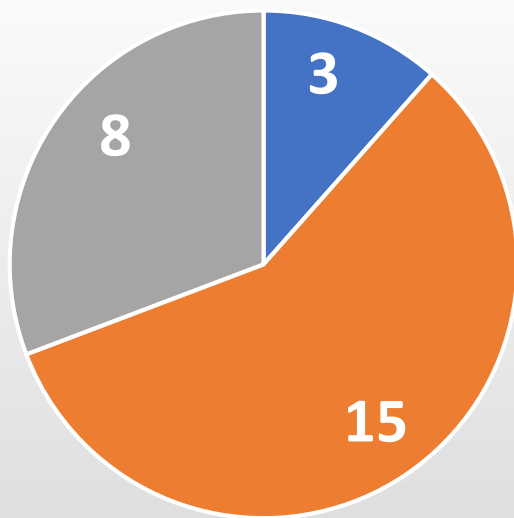
- For E-Enterprise, a FRS goal is to support sub-facility reporting and analysis needs to address State, Local, Tribal (SLT) and EPA program needs
- OAQPS currently collects detailed facility attributes many times
  - National Emissions Inventory (NEI), CEDRI, ICRs, regulatory process via comments
  - Matching across data sources hard and time consuming, limiting data sharing
- Attributes also collected by Greenhouse Gas Reporting Program, Toxics Release Inventory
- Broader facility data sharing across EPA and with SLTs will reduce burden by reducing the same information being collected more than once

# Feedback from March 2017 Widget Webinar



Total:  
175

Survey responses from 10 Industry,  
11 SLT, and 1 other



- Not useful / needs lots of improvements to meet my needs
- Somewhat useful / needs some improvements to meet my needs
- Very Useful / only minor improvements to meet my needs

## Industry feedback

- 5/10 prefer bulk upload
- 2/10 prefer widget
- 4/10 would use widget to provide data to CEDRI
- 3/10 would use widget voluntarily to provide accurate data to EPA

# Bulk Upload Status

- Workflow for Excel-based bulk upload has been designed and implemented in CEDRI
- Not yet generally available for all facilities
  - Only exists for Plywood-specific template used for ICR
- Can only access via reporting workflow in CEDRI
  - Cannot access bulk upload through CDX access
- Additional progress to remove these limitations ongoing
  - In coordination with the larger E-Enterprise and Combined Air Emissions Reporting Common Form efforts, which are taking priority

# Facility Widget Demo

You are here: MyCDX» Manage Program Services» Manage Facilities

Registration Information

Organization	INDIVIDUAL
Program Service	CEDRI
Role	EPA Reviewer

My Facilities

Add Facilities

Manage Facilities (2 facilities managed)

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Filter:

Export Options

EPA Registry ID	Program ID	Facility Name	Facility Address
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Facility Details

< [Back to My Facilities](#)

EPA Registry ID

110000360298

Program ID

CEDRI122236

Facility Name

DEMONSTRATION FACILITY

Facility Address

100 OVERTHE ST  
RAINBOW, TX 19999  
WEST COUNTY

Coordinates

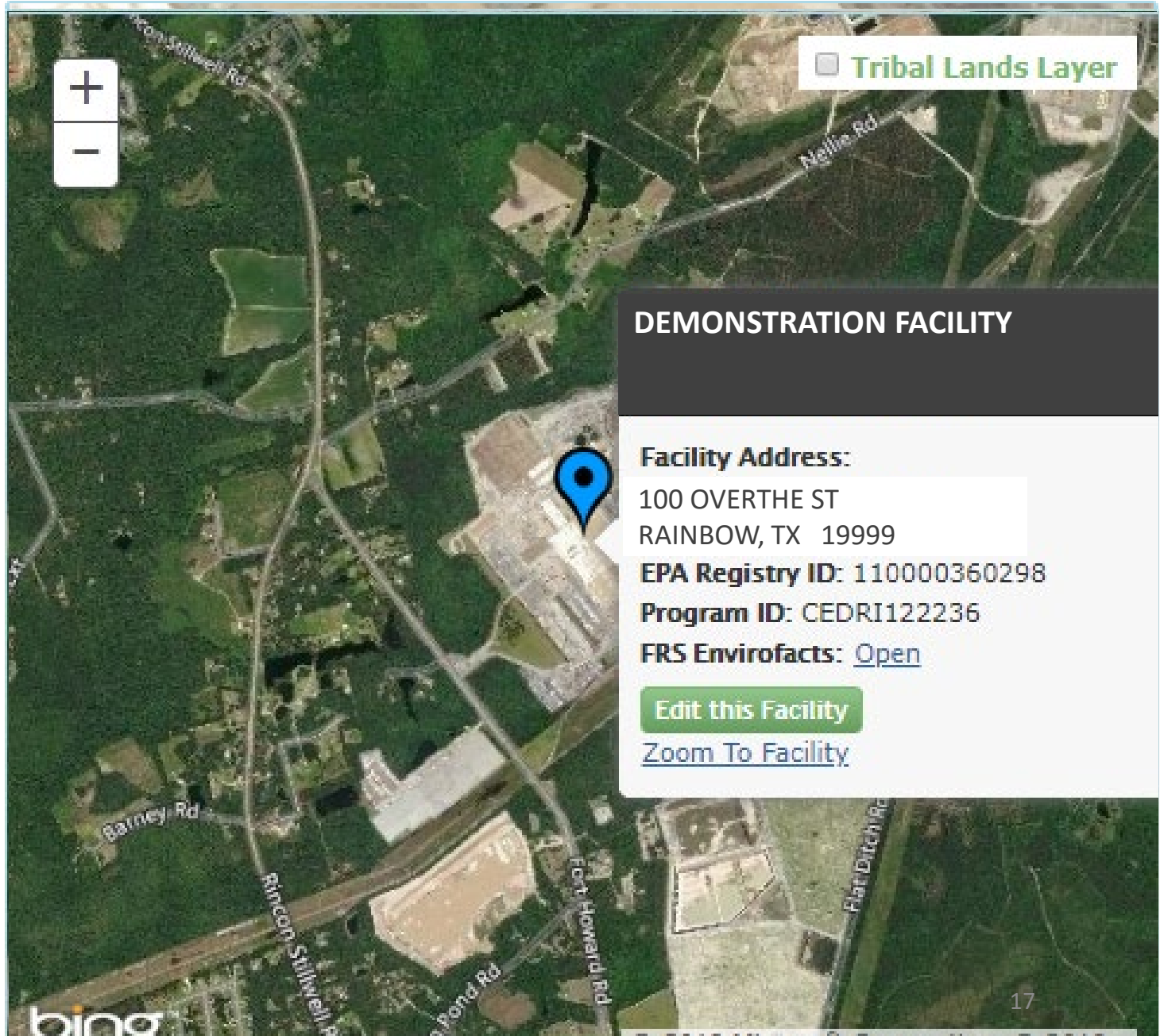
32.33113  
-81.20178

Operating Status

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Operating Status Change Year

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**DEMONSTRATION FACILITY**

**Facility Address:**  
100 OVERTHE ST  
RAINBOW, TX 19999

**EPA Registry ID:** 110000360298

**Program ID:** CEDRI122236

**FRS Envirofacts:** [Open](#)

[Edit this Facility](#)

[Zoom To Facility](#)

[← Back to Facility Details](#)

## Sub-facility Component Details

**Facility**

GEORGIA-PACIFIC CONSUMER PRODUCTS LP SAVANNAH RIVER MILL; 393 FORT HOWARD RD; RINCON, GA 31326; EFFINGHAM COUNTY

Viewing By  [Add Another Unit](#) Filter: 

Unit ID	Alternate Unit ID	Alternate Unit Name	Unit Type	# of Release Points	# of Processes	# of Control Measures	
> PGM-498163	AB			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
> PGM-498164	BLT2			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
> PGM-498165	BLT3			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
> PGM-498166	BLWSH1			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
> PGM-498167	BLWSH2			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
> PGM-498168	BLWSH3			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
> PGM-498169	BO01			0 <a href="#">Update</a>	2 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a>







>	PGM-498396	PM04FB			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">Remove</a>
>	PGM-498397	PM05			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
>	PGM-498398	PM05FB			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
>	PGM-498399	PRICL			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
>	PGM-498400	PXBLT4			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
>	PGM-498401	THKNR			0 <a href="#">Update</a>	1 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
>	<i>Pending</i>	700101	Boiler 101	Boiler	0 <a href="#">Update</a>	0 <a href="#">Update</a>	0 <a href="#">Update</a>	<a href="#">View/Edit Details</a> <a href="#">Remove</a>

Showing 21 to 28 of 28 entries

Previous 1 2 **3** Next

[Save Sub-facility Information](#)

CDX Help Desk: 888-890-1995 | (970) 494-5500 for International callers

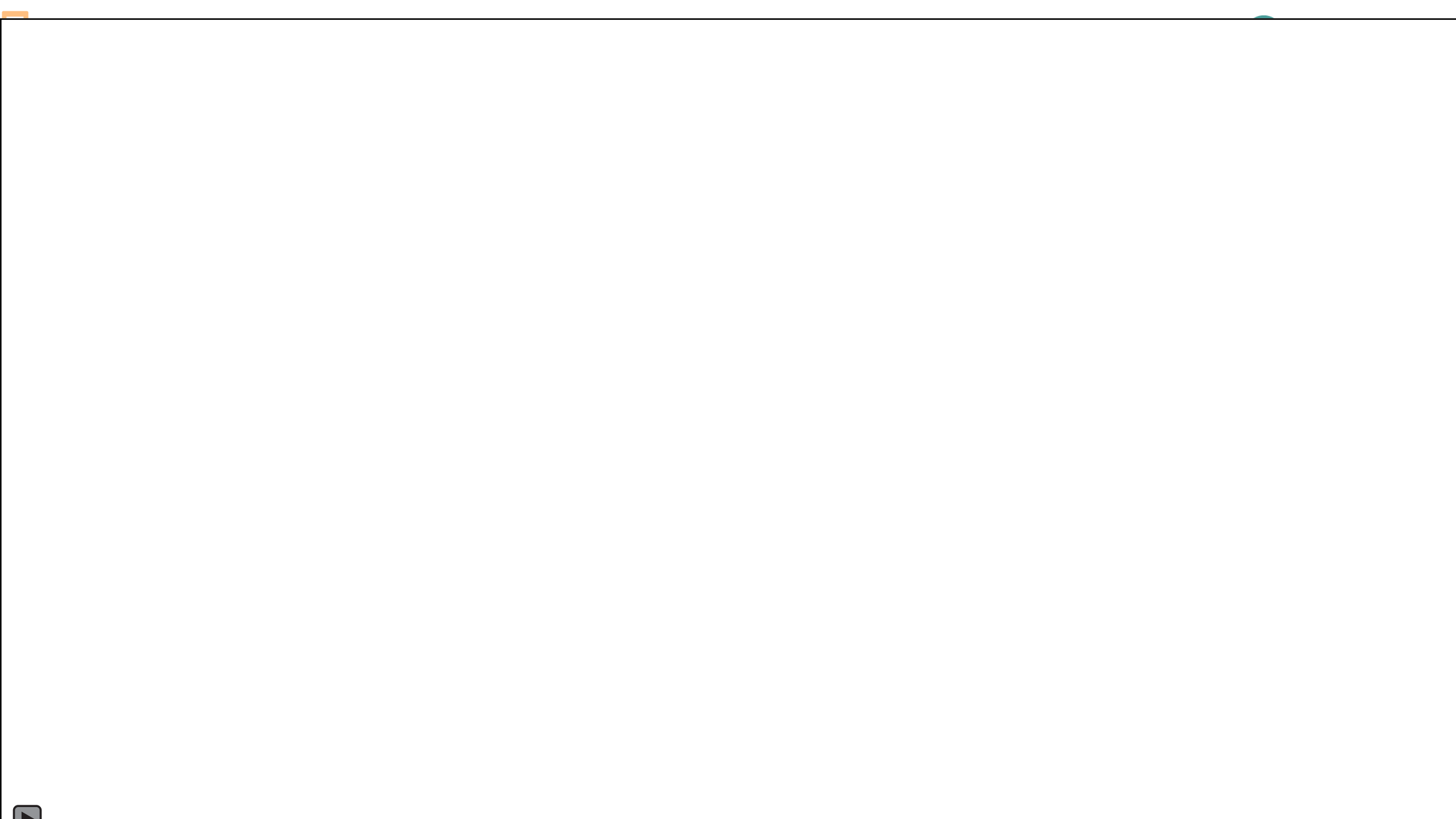


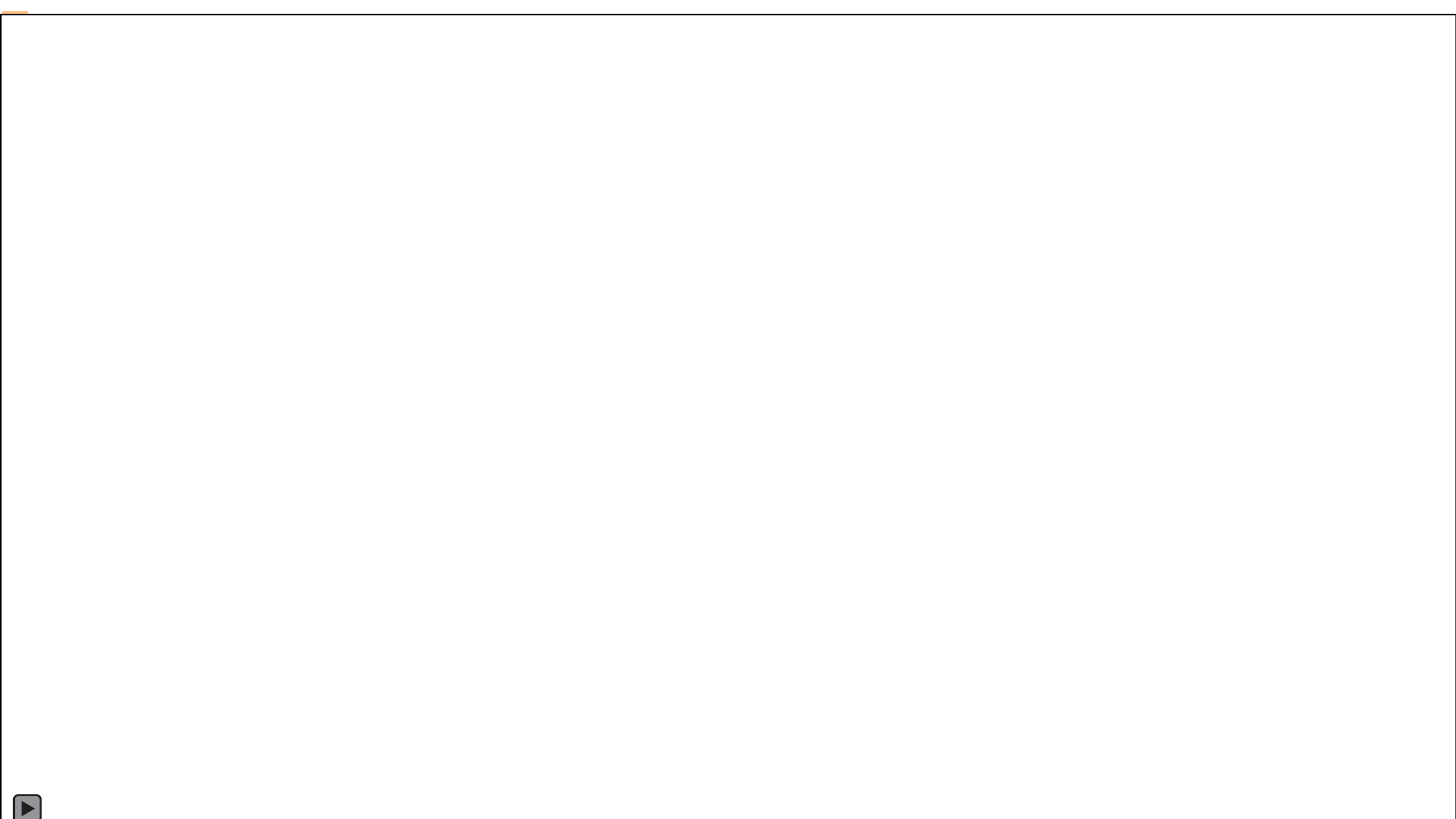


# Associate an Existing Release Point to a Unit

- “Associating” is when you indicate that two components are related in the facility configuration, such as...
  - A release point to a unit
  - A release point to a process
  - A process to a unit
- Known issues with current Widget release
  - If you associate a release point to a unit that already has processes, the user is not prompted to select the processes associated with the release point
  - If you associate a release point to a process, the release point is not automatically associated to the unit associated with that process
- We are working to automatically make associations that are implied so that the users have less manual work



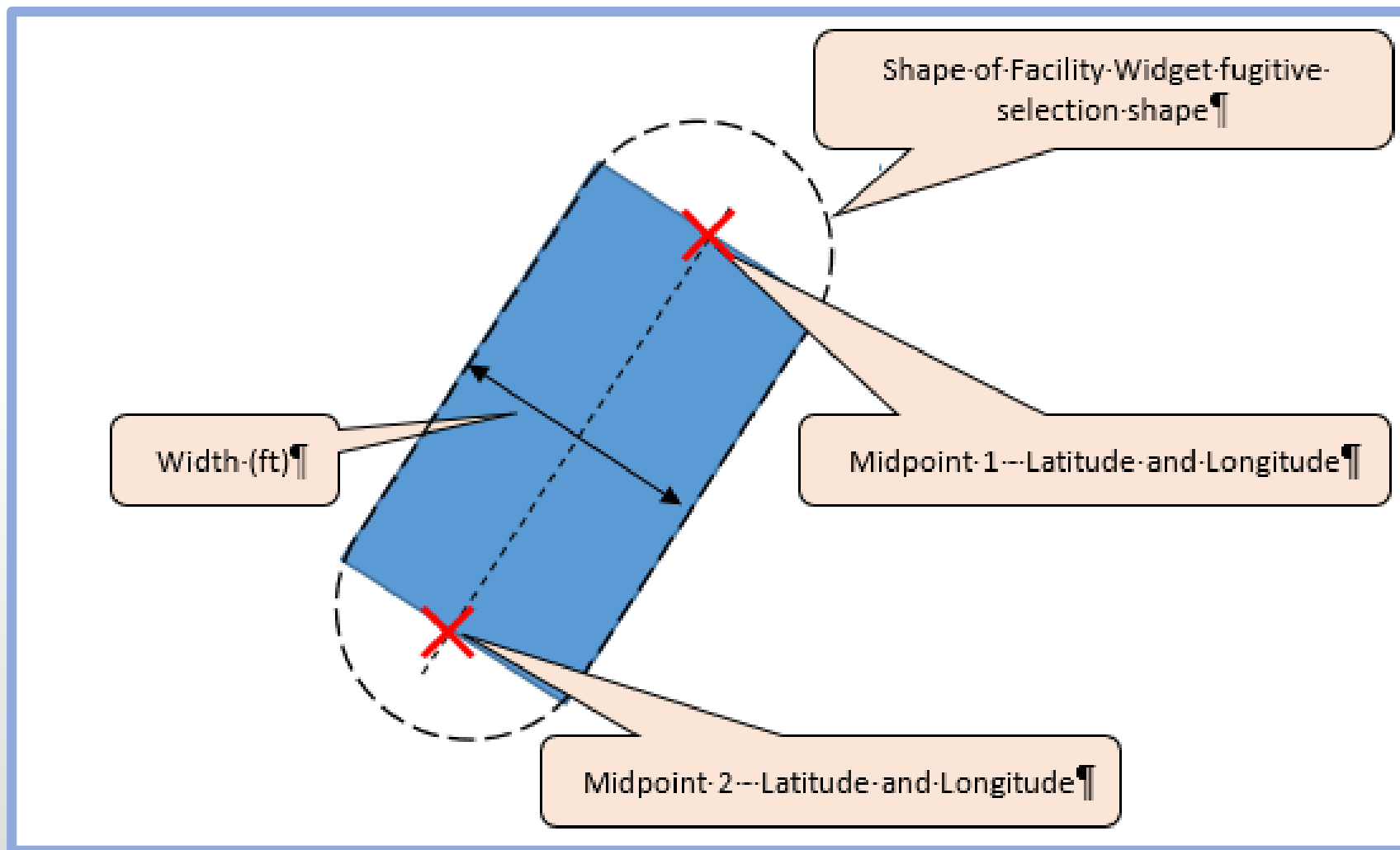


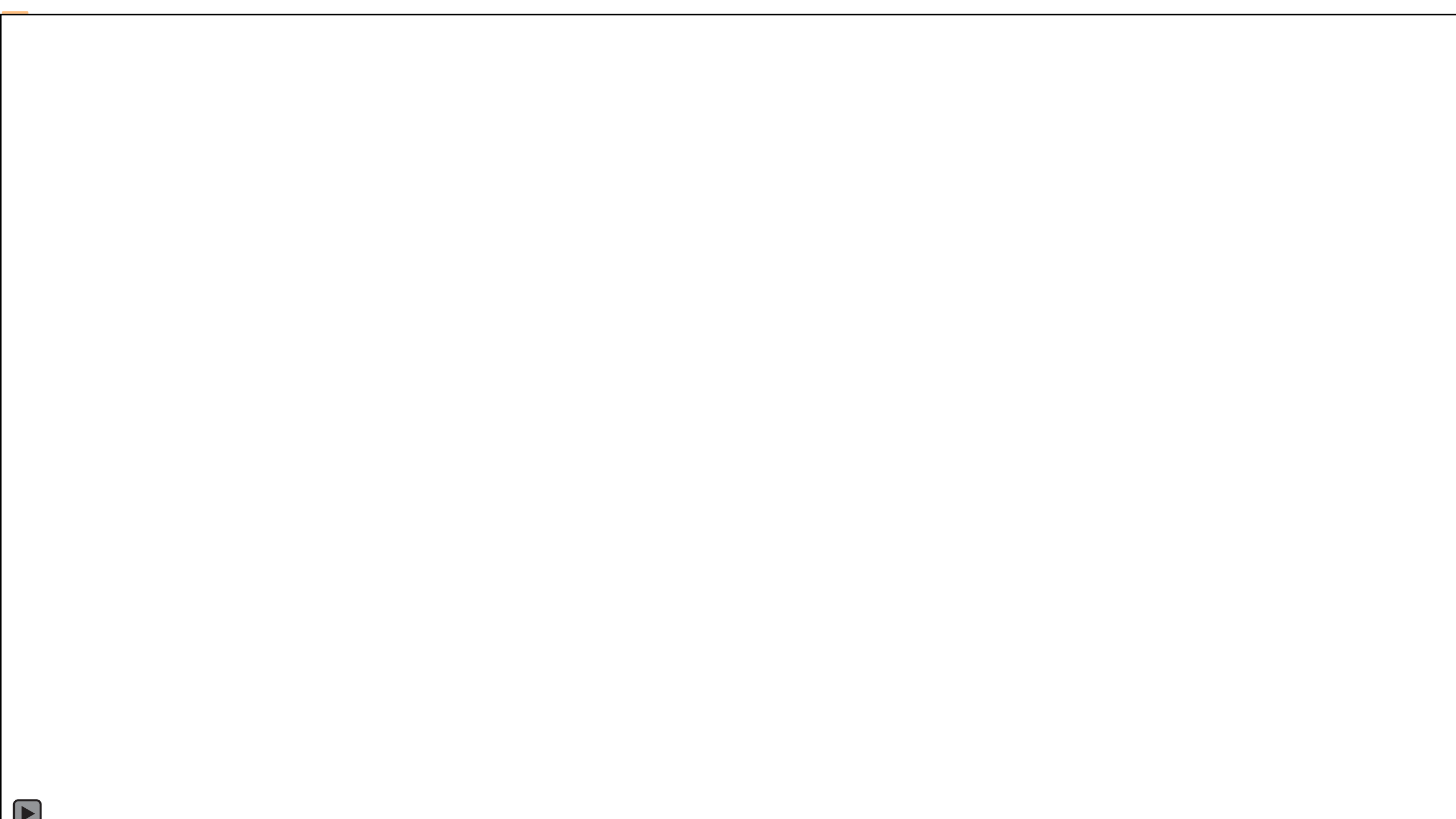






# Create a New Release Point – Fugitive 2-d







# Reorder a Control Measure on a Unit

Related Components

Release Points Processes **Control Measures** [Add another control measure to unit](#)

Filter:

Control Measure ID	Alternate Control Measure ID	Control Measure Type	Control Measure Description	Actions	Parallel with Previous?	Control Order	
PGM-527051	CM_NCS_123456_RTO	Regenerative Thermal Oxidizer - Device	Start Year: 1977	↑ ↓	<input type="checkbox"/>	1	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
PGM-527052	CM_NCS_123456_RCO	Recuperative Thermal Oxidizer - Device	Start Year: 1978	↑ ↓	<input type="checkbox"/>	2	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
PGM-527053	CM_NCS_123456_TCO	Thermal Catalytic Oxidizer - Device	Start Year: 1979	↑ ↓	<input type="checkbox"/>	3	<a href="#">View/Edit Details</a> <a href="#">Remove</a>
PGM-527054	CM_NCS_123456_TCO2	Thermal Catalytic Oxidizer - Device	Start Year: 1980	↑ ↓	<input checked="" type="checkbox"/>	3	<a href="#">View/Edit Details</a> <a href="#">Remove</a>

# Expected Uses for the Facility Widget

- The Facility Widget is a shared service that provided through CDX
- CEDRI uses the Facility Widget now, and the sub-facility features are available
  - We are working through some bugs associated with facilities that have previously been loaded into FRS that do not already have sub-facility data
- The CEDRI dashboard is being built, to allow facilities to access the Facility Widget voluntarily, outside of the typical CEDRI submission process
- The CAER Common Emissions Form Minimal Viable Product (MVP) plans to use the Facility Widget in “view” mode as part of its standard workflow
  - Future use may include “edit” mode as well

# Next Steps

- Complete bug fixes for Facility Widget for existing facilities (Fall 2019)
- Release CEDRI Dashboard to provide easier access to Facility Widget (Fall 2019)
- Reschedule and hold Webinar for industry users to further illustrate and encourage use of the Facility Widget
- Further integration of use of facility data (including sub-facility) across CEDRI, NEI, and the Toxics Release Inventory
- Release CAER Common Form for Georgia for use by facilities for the 2019 emissions reporting year, including access to the Facility Widget

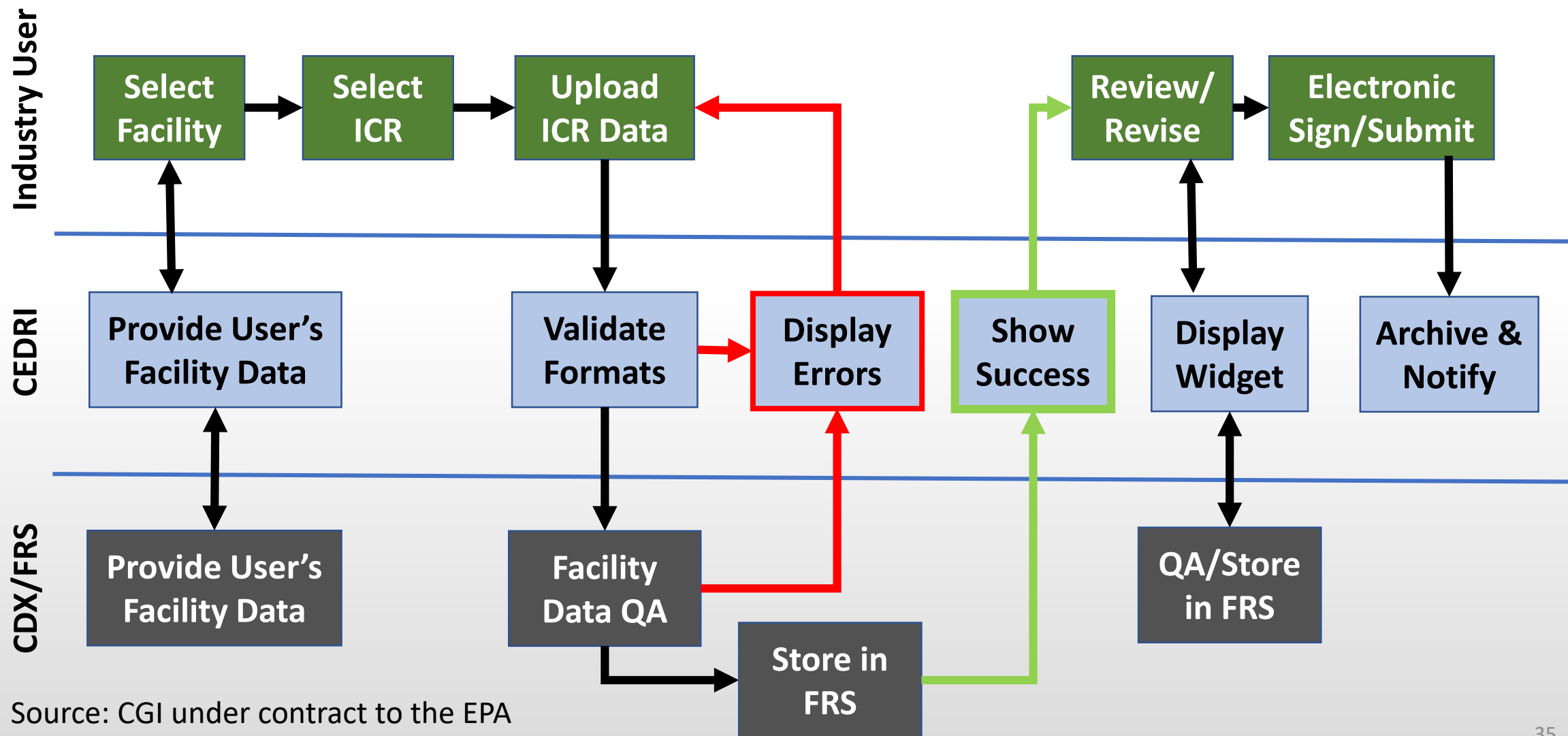
# Appendix

# Accessing CEDRI

- The CEDRI system is hosted by the Central Data Exchange (CDX)
- The CDX Web is the application used by EPA programs and various stakeholders to manage data sent to EPA
- CDX log in page: <https://cdx.epa.gov/>



# ICR Process Flow: Bulk Upload



# Bulk Upload Template

Hidden & locked rows for CEDRI and FRS tell CEDRI Excel reader how to map data to FRS

Pull-down lists coordinated with EIS and FRS

Facility users told which FRS ID to use to match facility in CEDRI.

Field:	ICR ID	FRS Site ID	Process Unit ID	Process Unit Type	Process Unit Des
XML Tag:	Icrlid	FrsSiteId	ProcessUnitId	ProcessUnitType	ProcessUnitD
Data Base Reference	ICR_ID	FRS_SiteID	ProcessUnitID	ProcessUnitType	ProcessUnitD
1	123	999999999999	Process 1	Softwood veneer dryer	▼ veneer dryer 1
2	123	999999999999	Resin Tank 1	Resin storage tank	Resin Tank 1
3	123	999999999999	Process 7	Rotary strand dryer	Rotary dryer 7
4	123	999999999999	Process 8	Conveyor strand dryer	Preheat Oven 8
5	123	999999999999	Process 15	Lumber dry kiln	Lumber Kiln 15
6	123	999999999999	Press Process 7	Reconstituted wood product pre	Press 7

Navigation tabs: Mill | Prod | **EquipDetail** | ReleasePt | Permit | Resin | Tank | VeneerDry | RotaryDry | TubeDry

Multiple tabs keep data organized during entry. CEDRI reader given a “map” in advance to know where to find fields to send to FRS.