

Colorado Department of Public Health and Environment

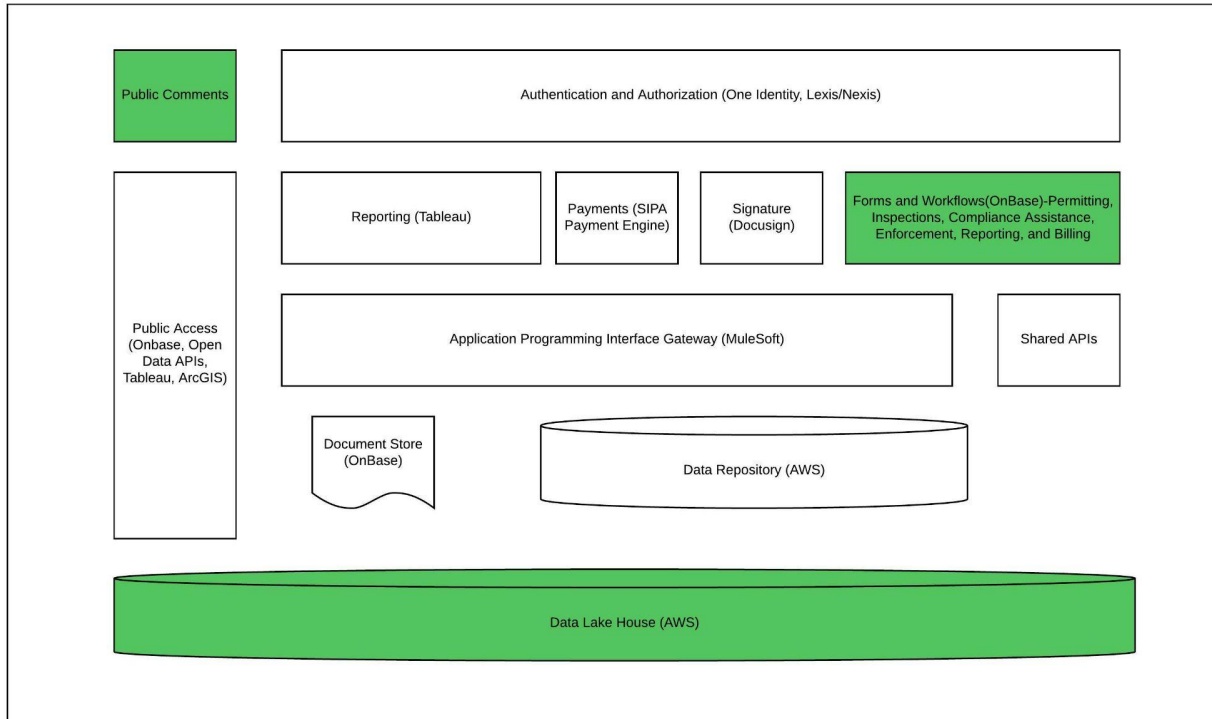
IT Modernization to Support our Air Quality Goals

Joint Technology Committee
August 17th, 2022

Stationary Sources System Project Summary

- A capital IT project to modernize the outdated stationary sources data system used by CDPHE, Air Pollution Control Division (APCD).
 - FY23: Year 1 of 3, \$4.1M
- The Stationary Sources database is the primary technology tool used by APCD to manage permitting, inspections, enforcement, compliance, billing, emissions, and data reporting associated with stationary sources
- The system scope is broad with 2,500 companies and 14,000 facilities
- Stationary source regulated entities include oil and gas, power utilities, manufacturing, construction, landfills, agriculture, mining, and retail (e.g., gas stations, dry cleaners)
- The Stationary Sources Database is an outdated technology – (developed in the mid-1990's)
- The system is paper-based, inefficient, and lacks critical functionality and agility

Proposed Architecture of the Air Stationary Sources Solution



Green represents areas APCD is actively working on

Project accomplishments since the last update

Hiring

Three positions posted: Data Manager, Product Owner, and Data Visualization Specialist job announcements

CDPHE-OIT Partnership

Worked with OIT, HCPF, and Governor's Office of eHealth to share Enterprise and Data Architecture support

Working with OIT to identify Salesforce licensing costs and scope out a proof of concept effort. Salesforce is OIT approved, and is a low code/no code solution.

Public Comment Software

Identified an off the shelf tool used in other states for receiving public comments on permits and regulations

Example: Public comment interface

The screenshot shows the Wyoming Department of Environmental Quality (DEQ) public comment interface. At the top, the DEQ logo and name are displayed. A search bar is located in the top right corner. Below the header, there are several filter options: Type (All), County (All), Status (Open), Division (All), and Sort (Closing Soon). An 'Apply Filter' button is positioned to the right of these filters. A blue bar indicates '72 results'. Three comment items are listed, each with a 'Comment Now' button. The first two items are 'PROPOSED TEMPORARY TURBIDITY INCREASE IN THE BIGHORN RIVER' and 'PROPOSED TEMPORARY TURBIDITY INCREASE IN LITTLE GOOSE CREEK', both with a due date of August 11, 2022. The third item is 'Mine Permit Application - Black Hills Bentonite LLC TFN 7 1/018' with a due date of August 12, 2022. Each item also displays its Type, Division, Status, and County.

Public Comment Form

1 Comment 2 Review 3 Your Copy

Commenting open: June 27, 2022 02:44PM MT - August 12, 2022 05:00PM MT.

Mine Permit Application - Black Hills Bentonite LLC TFN 7 1/018

Please note that this comment form is for the purpose of submitting comments to the Wyoming Department of Environmental Quality regarding permit applications, special projects, guidance, and rule development.

Contact Information

All fields are optional unless otherwise indicated.

Submitted by:

Individual

First Name (Required)

Last Name (Required)

Address (Required)

City (Required)

Country

United States

State

Wyoming

ZIP (Required)

Email (Required)

Your Comment

Upcoming stakeholder engagement

- August 2022 - Develop technology project materials to provide an overview on the project, scope/goals, what is included, and why stakeholders might be interested in learning about the project
- September 2022 - Post and distribute materials to stakeholders (NGOs, communities and community groups, advocacy organizations, regulated entities)
- October - November 2022 - Outreach sessions held with stakeholder groups to share additional project information and seek feedback

Any issues/concerns the team has related to the project

We have lots of questions

Will Salesforce be the right platform? If not, what's next?

Is there enough person power between OIT and vendors to timely develop the new system?

Will the workflows support future business needs, while meeting current ones?

Will the system serve all of our stakeholders (e.g., communities, disproportionately impacted communities, local governments, non-governmental organizations and community based partners, and applicants) well?

How will the system drive data-driven decision-making and overall division performance?

What will the go-live date be? How can we learn from prior rollouts so we are nimble and able to adjust with the learning that comes with implementation?

Project plans for the next period (through September 14th, 2022)

Anticipated updates for the September JTC meeting

Hiring update

Integration of Enterprise and Data Architecture into the project

Proof of concept scope around Salesforce

Pilot Dataset Identified for Data Lake House effort

Purchase of Public Comment Software

Begin fall stakeholder engagement

Any help that's needed from the JTC/legislature

Please connect your constituents to the upcoming stakeholder engagement and help us identify other opportunities to solicit feedback

Thank you!

Erick Scheminske, Chief Operating Officer, CDPHE

Kris Kiburz, Senior IT Director, OIT

Jim Reasor, Deputy Director, Air Pollution Control Division, CDPHE

Andrew Putnam, Environmental Information Manager, CDPHE