

# Colorado Department of Public Health and Environment

## IT Modernization to Support our Air Quality Goals

Joint Technology Committee  
July 7, 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- A capital IT project to modernize the outdated stationary sources data system used by CDPHE, Air Pollution Control Division (APCD).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 CDPHE/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- The Stationary Sources Database is an outdated technology – (developed in the mid-1990's)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, lacks critical functionality and agility

# Hiring and Team Assignments

## Hiring

Three positions drafted and HR Review in progress– preparing the Data Manager, Product Owner, and Data Visualization Specialist job announcements

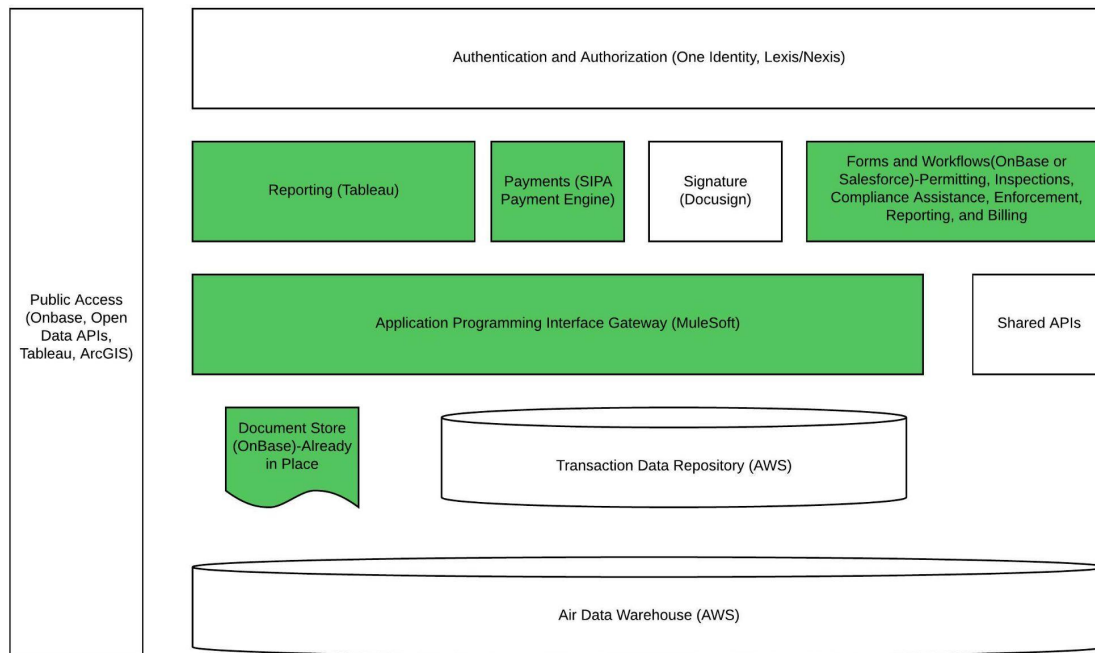
## CDPHE-OIT Partnership

OIT Project Manager assigned to project

Project governance steering committee formed and meeting

# Proposed Architecture of the Air Stationary Sources Solution

## Proposed Architecture of the Air Stationary Sources Solution



# System Selection

Identifying a front-runner

*Preferred Criteria...*

OIT supported

Successful use by other state agencies

Elegant interface and sufficient system capacity for current and anticipated future needs

Development capacity out in the world

Integrate with other OIT approved and off-the-shelf systems- onbase, public comment software, etc.

*What next...*

Test our assumptions... proof of concept

*Understand O&M costs*

*Look at adaptability and linking to other systems*

# Thank you!

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