Air Pollution Control Division
Stationary Sources Data Modernization Project

Joint Technology Committee
June 7, 2023

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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- A capital IT project to modernize the outdated stationary sources data system used by CDPHE, Air Pollution Control Division (APCD)
  - FY 2022-23: Year 1, $4.1M
  - FY 2023-24: Year 2, $4.5M

- 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- The Stationary Sources Database is an outdated technology developed in the mid-1990's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

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Stationary Sources System Project Summary

- Salesforce Licensing secured

- Land Development Permit Application process built within the Salesforce Enterprise System
  - Data & Application Receipt - Workflow & Automation - Document Generation

- Title V Foundational Build Engagement with Vendor
  - Process Mapping, Digitized Forms, and Web Portal Planning for Title V needs

- Contract with OIT Salesforce Team approved
  - Eight Additional Processes

- Data Lake Foundation Established
  - Architecture Design and Setup in Amazon Web Services (AWS)
  - Initial Data Migration from Largest Legacy Database System
  - Visualizations being Constructed (i.e., Tableau, ArcGIS)

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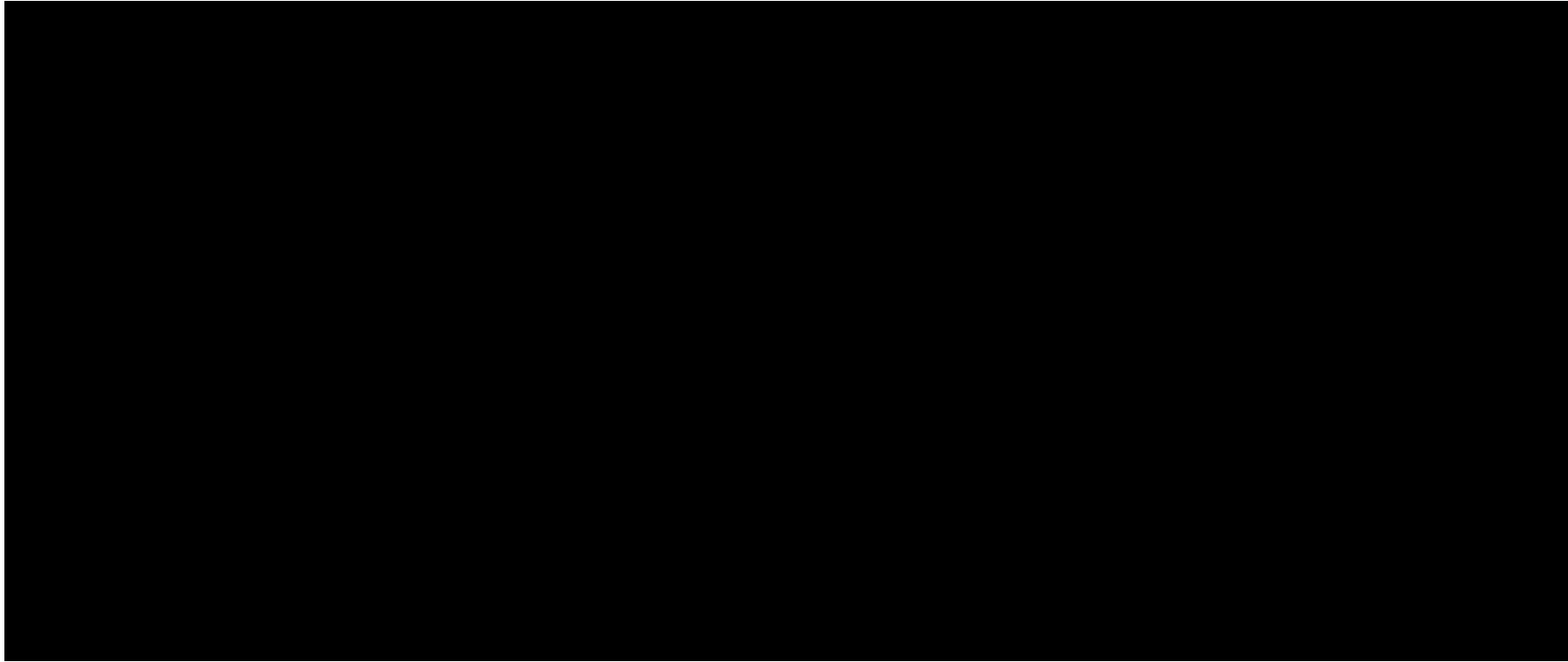
Thank you!

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