

CDPHE FY26 IT Capital Requests

Joint Technology Committee

December 17, 2024



COLORADO
Department of Public
Health & Environment

Agenda

- Introductions
- FY26 Budget Requests
 - Women, Infants and Children (WIC) Modernization
 - Air Stationary Sources Data Modernization



Presenters

- Erick Scheminske, Chief Operating Officer
- Brett Reeder, Nutrition Services Branch Director, Prevention Services Division
- Adam Wozniak, Stationary Sources Product Owner, Air Pollution Control Division



Prevention Services Division Colorado WIC MIS Modernization

Brett Reeder, Nutrition Services Branch Director



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Project Overview

- WIC Management Information Systems (MIS) are the primary technology tools used by states and local agencies to manage WIC cases and benefits.
- The current Colorado WIC (COWIC) MIS, is outdated, falls short in meeting program requirements, and is not on a development path to adequately address these shortcomings.
- Other states already utilize more advanced MIS options that better align with COWIC's needs - we are adopting one of those more advanced existing MIS.
- This is the second of two \$500K General Fund requests (\$1 Million total, \$500K was last year) which compliments ~\$2.5 Million Federal Funds for the \$3.5 Million four year (FY2024 - FY2027) project.



An Improved MIS

- **Improved User Experience:** A sample of improved user experience includes ability to collaborate on a participant record, automation (risk codes, questionnaires, etc.), and ability to prescreen uploaded documents.
- **More Rapid Policy Alignment:** Ability to quickly align to changing USDA regulations and state policy, the platform emphasizes low-code and no-code processes that allow program staff to make quick changes.
- **Client Centered Workflows:** Flexibility to perform activities in parallel or whichever sequence works best for each family.
- **Vendor Portal:** A vendor portal for applications, document management, and electronic signatures.
- **Improved Data Reporting:** Improved data reporting, transparency, and better public access to information through pre-made dashboards with a capability for analysts and power users to personalize their experience and analyze the available data according to their needs.
- **Cloud Based:** Existing systems are fully cloud based.
- **Reduced Staff Time:** Automation, reduced data entry burden, and low or no code solutions will reduce time required to maintain the system.



Maximizing Federal Funding

- **Time Bound Federal Funds**

Multiple federal funding streams are used for the project, which have time constraints ranging from September 2025 to September 2027. These funding streams are expended on a first-in-first-out basis.

- **One-time Federal Investments**

Many of the funds are related to one-time federal investments not available in future years.

- **Likely Reduction in Near Future Federal Investments**

We anticipate there will be less opportunity in the near future for the type of federal investment we secured and are leveraging.



Current State of the Project

- Product and Implementation Vendor has been Selected [COMPLETE].
- Project Team Assembled [COMPLETE].
- Statement of Work Developed [COMPLETE].
- Contract Negotiations Nearing Completion [IN PROCESS].
- CISO Security Review Underway [IN PROCESS].
- Final Federal Approval via the Implementation Advance Planning Document (IAPD) Underway [IN PROCESS].



Air Pollution Control Division Stationary Sources Data Modernization Update

Adam Wozniak, Stationary Sources Product Owner



Project Overview

- Requesting up to \$3.7M IT capital project funding for the 3rd and final phase of this project to modernize and digitally transform the outdated APCD Stationary Sources Program (SSP) system used for permitting operations and management.
- The current paper based and manually operated system used by SSP is being replaced with a low code, scalable, and cloud-based solution.
- The department is currently implementing a multi-year project to replace and enhance core data systems, primarily for management and processing of stationary source facility emissions and associated functions, including permitting, inventory, reporting, inspections, compliance, enforcement, billing, and to improve public access to information.



Project Update

- **10 Permitting Processes - Complete**

Work has been completed for 10 Permitting Processes which allows applications to be submitted, stored, and processed digitally. Integration between the application platform and the document management product is complete.

Permitting Processes completed and in use		
1 Crematories/Incinerators 2 Crusher & Screens 3 Environmental Justice 4 Fuel Station	5 Land Development 6 Modeling Determination 7 Notice of Startup	8 Relocation Notice 9 Surface Coating 10 Well Production Facilities

- **Title V (Major Source) Permit Application Foundational Build**

The initial process is built, including 25 forms, associated application documents, and an authenticated web portal for Title V permits are complete. The remaining forms and flow construction will recommence in early 2025 with an estimated completion date in the 1st half of 2026.



Project Update

- **Additional Processes Build**

The build for 22 additional processes is commencing. Integration between the new permitting platform and payment portal and time tracking feature will be part of this and anticipated to be completed later in 2025.

- **Data Lake Foundational Build**

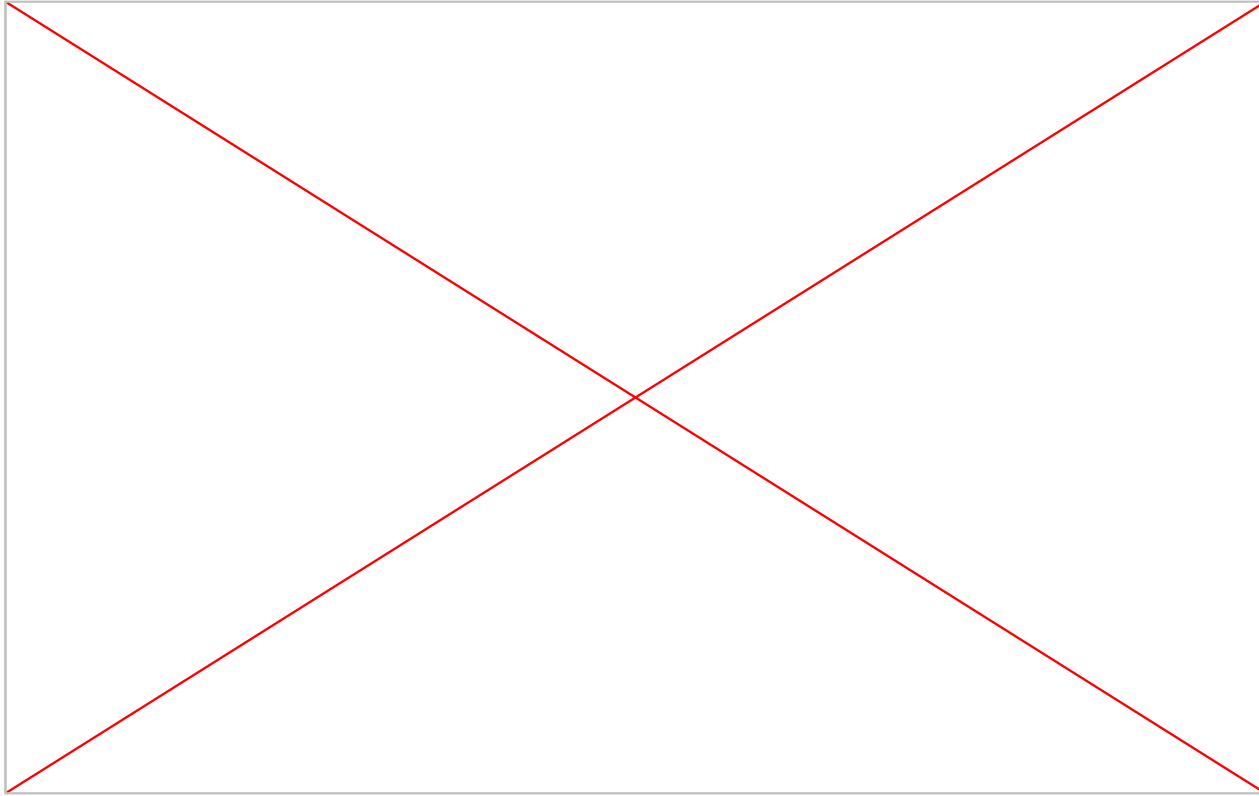
The data pipeline connection between legacy db and the new storage container is complete.

- **Data Visualization and Citizen Engagement**

The visualization tool was modified based on feedback received from the public and launched on the Air Pollution Control Division website.



Demonstration



Project Accomplishments

- Data Modernization Team Created
- Application platform Proof of Concept Completed and Successful
- Title V Foundation Constructed
- Initial Title V Forms and Workflow Developed, Tested
- 10 Processes Developed, Tested and Placed into Production Including Forms, Portal, Workflows
- Integration of the application platform with the document management solution
- Development of Guidance Documents and Standard Operating Procedures to Assist with Online Submission Tool
- Contracts Developed and Approved for Continued Application Platform Development
- Cloud Environment Data Warehouse Developed and Deployed
- Data Pipeline Completed
- Community Engagement for Data Access
- Data Visualization Tool Released for Public Use
- Development of Guidance Documents to Assist with Data Visualization Tool
- Build of 22 Additional Permitting Processes Underway



Thank you!



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