BOARD MEETING DATE: March 3, 2023   AGENDA NO. 13

REPORT: Status Report on Major Ongoing and Upcoming Projects for
                 Information Management

SYNOPSIS: Information Management is responsible for data systems
                 management services in support of all South Coast AQMD
                 operations. This action is to provide the monthly status report on
                 major automation contracts and planned projects.

COMMITTEE: Administrative, February 10, 2023, Reviewed

RECOMMENDED ACTION:
Receive and file.

                                          Wayne Nastri
                                          Executive Officer

RMM:MAH:XC:dc

Background
Information Management (IM) provides a wide range of information systems and
services in support of all South Coast AQMD operations. IM's primary goal is to
provide automated tools and systems to implement rules and regulations, and to
improve internal efficiencies. The annual Budget and Board-approved amendments to
the Budget specify projects planned during the fiscal year to develop, acquire, enhance,
or maintain mission-critical information systems.

Summary of Report
The attached report identifies the major projects/contracts or purchases that are ongoing
or expected to be initiated within the next six months. Information provided for each
project includes a brief project description and the schedule associated with known
major milestones (issue RFP/RFQ, execute contract, etc.).

Attachment
Information Management Status Report on Major Ongoing and Upcoming Projects
During the Next Six Months

ATTACHMENT
March 3, 2023 Board Meeting
Status Report on Major Ongoing and Upcoming Projects for
Information Management

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Phone System Upgrade	Upgrade components of the agency Cisco Unified Communications System that are past end of support	$175,000	• RFQ released September 3, 2021 • Awarded January 7, 2022	• Complete upgrade February 28, 2023
AQ-SPEC Cloud Platform Phase 2	Integrate separate data systems into the AQ-SPEC cloud-based platform to manage data and build interactive data visualizations and data dashboards for web-based viewing	$313,350	• Project Charter released • Task Order issued, evaluated, and awarded • Project kickoff completed • Requirements gathering completed • Fit Gap and data storage analysis completed • Architecture and functional design completed • Work Plan development for Phase 2 completed • Dashboard designs approved • Discovery Phase completed • Proposal for implementation phase received	• Begin implementation phase
PeopleSoft Electronic Requisition	This will allow submittal of requisitions online, tracking multiple levels of approval, electronic archival, pre-encumbrance of budget, and streamlined workflow	$75,800	• Project Charter released • Task Order issued, evaluated, and awarded • Requirements gathering and system design completed • System setup and code development, and User Acceptance Testing for Information Management completed • System setup and code development, and User Acceptance Testing completed for Administrative and Human Resources, and Technology Advancement Office completed	• Deploy to IM and AHR divisions • Training and Integrated User Testing for other divisions

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Permitting System Automation Phase 2	Enhanced Web application to automate filing of permit applications, Rule 222 equipment and registration for IC engines; implement electronic permit folder and workflow for staff	$525,000	• Board approved initial Phase 2 funding December 2017 • Board approved remaining Phase 2 funding October 5, 2018 • Completed report outlining recommendations for automation of Permitting Workflow • Developed application submittals and form filing for first nine of 32 400-E forms • Completed application submittals and form filing for 23 types of equipment under Rule 222 for User Testing • Deployed production of the top three most frequently used Rule 222 forms: Negative Air Machines, Small Boilers and Charbroilers • Deployment to stage of Phase 2 additional 12 400-E-XX forms completed • Deployed to production 3 additional Rule 222 forms (Tar Pots, Cooling Towers, and Power Washers) • Deployment to production 8 additional Rule 222 forms (Food Ovens, Storage of Odorants, Equipment Used to Store Aqueous Urea Solutions, Asphalt Day Tanker, Asphalt Pavement Heater, Diesel Fueled Boiler, Micro Turbines, and Portable Diesel Fueled Heater) completed. • Deployment to production of the Emergency Internal Combustion Engine (EICE) application completed.	• Requirements gathering for Phase 3 of the project (final twelve 400-E-XX forms) • Complete User Acceptance Testing and deployment to production of Phase 1 of the project (first ten 400-E-XX forms) • Complete User Acceptance Testing and deployment to production of next set of Rule 222 forms

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Warehouse Indirect Source Rule Online Reporting Portal	Development of online reporting portal for Rule 2305 – Warehouse Indirect Source	$250,000	• Task Order issued • Deployed Phase 1.1 – Warehouse Operations Notification Submittal • Deployed Phase 1.2 – Warehouse Operations Notification Evaluation • Deployed Phase 2 – Early Annual WAIRE Report (EAWR) , Initial Site Information Report (ISIR), full Annual WAIRE Report (AWR) • Deployed Phase 3– Final Annual WAIRE Report	• Phase 4 Enhancements
Carl Moyer Program GMS	Development of simplified and streamlined Online Grant Management System (GMS) Portal for Carl Moyer Program	$116,275	• Task Order issued • Phase 1 completed and approved by stakeholder • Solicitation for On-Road opened to public • Phase 2 – tasks module enhancement User Acceptance Testing completed Phase 2 – 30-day Letter User Acceptance Testing for completed • Phase 2 CARL Import for Infrastructure and Marine Development completed • Phase 2 – CARL Import for Off-Road and On-Road User Acceptance Testing completed • Application Status Tracking User Acceptance Testing completed • Evaluation – Messages Module User Acceptance Testing completed • Carl Moyer Program – PA2023-04 opened 01/10/23@1pm	• Phase 2 – Sprint 3 Development • Phase 2 – sprint 4 requirements gathering • Phase 2 – management reports

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Agenda Tracking System	Develop new Agenda Tracking System for submittal, review and approval of Governing Board meeting agenda items	$250,000	- Project initiation completed - Task order issued - Project planning completed - Vision and Scope completed - Task order issued - Project Kick-off completed	System design
PeopleSoft HCM (Human Capital Management) upgrade	Upgrade PeopleSoft HCM product to latest tools and image level to maintain regulatory and functional support	$180,000	- Project initiation completed - Task order issued - System assessment completed - Customization assessment completed - Installation certification completed - Data migration completed	User Acceptance Testing
Source Test Tracking System (STTS)	Online STSS will keep track of timelines and quantify the number of test protocols and reports received. System will provide an external online portal to submit source testing protocols and reports, track the review process, and provide integration to all other business units. It will also provide an external dashboard to review the status of a submittal.	$250,000	- Project initiation completed - Task Order issued - Project kickoff completed - User requirements gathering for internal users completed - Developed full business process model - Developed screens mock-ups - Reviewed proposed automation with EQUATE Working Group completed - Completed development of all Sprints 1 through 8 - Completed overview of development progress to EQUATE Working Group. - Deploy updated STTS Data Model and move application to stage completed - Internal and external orientation/training for testers completed - Development of all modifications identified by users completed.	- Complete User Acceptance Testing of STTS Portal in stage environment - Complete testing of STTS Portal with regulated community volunteers - Deploy STTS Portal to production
Compliance System	Develop new Compliance System to help streamline the compliance business process	$450,000	Project initiation	High level requirement gathering

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Renewal of HP Server Maintenance & Support	Purchase of maintenance and support services for servers and storage device	$150,000		• Request Board approval for HP server maintenance and support April 7, 2023 • Execute contract April 30, 2023
Purchase of Server and Storage Upgrades	Purchase servers and storage upgrades to support enterprise-level software applications including the Clean Air Support System for all South Coast AQMD core business activities and modeling applications that support Planning and AQMP development	$430,000		• Request Board approval for server and storage upgrades April 7, 2023 • Execute purchases April 30, 2023

Projects that have been completed within the last 12 months are shown below.	
Completed Projects	
Project	Date Completed
Carl Moyer GMS – PA2023-04	January 10, 2023
AB 2766 for reporting year 2022	January 3, 2023
WAIRE Program Online Portal – Phase 3	December 31, 2022
Annual Emission Reporting for reporting year 2022	December 31, 2022
Online Application Filing – Eight Additional Rule 222 Forms	December 2, 2022
CLASS Database Software Licensing	November 30, 2022
Upgrade of Ingres Database Software	August 5, 2022
Upgrade of OnBase Software	August 2, 2022
Renewal of OnBase Software Support	July 15, 2022
Replace Your Ride (RYR)/One Stop Shop Integration	July 7, 2022
Warehouse Operations Notification Online Submittal Portal Phase 2.2 Initial Site Information Report (ISIR) and full Annual WAIRE Report (AWR)	June 1, 2022
Alternative Colors for Air Quality Map	May 20, 2022
Permit Application Enhancements for Rule 1109.1 Tracking	May 04, 2022
Mobile Application Enhancements	May 03, 2022
HP Server Maintenance & Support	April 30, 2022
National Weather Service Alert Integration	April 21, 2022
Prop 1B GMS – Locomotive and Cargo	April 19, 2022