

BOARD MEETING DATE: October 2, 2020

AGENDA NO. 16

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 item is to provide the monthly status report on major automation contracts and planned projects.

COMMITTEE: Administrative, September 11, 2020, Reviewed

RECOMMENDED ACTION:  
Receive and file.

Wayne Natri  
Executive Officer

RMM:MAH:XC:agg

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### **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 Board-approved 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.

In light of COVID-19 and the related budget impact, we are evaluating all of our projects and delaying non-critical projects as long as possible.

### **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**  
**October 2, 2020 Board Meeting**  
**Status Report on Major Ongoing and Upcoming Projects for**  
**Information Management**

<b>Project</b>	<b>Brief Description</b>	<b>Estimated Project Cost</b>	<b>Completed Actions</b>	<b>Upcoming Milestones</b>
Office 365 Implementation	Acquire and implement Office 365 for South Coast AQMD staff	\$350,000	<ul style="list-style-type: none"> <li>• Pre-assessment evaluation and planning completed</li> <li>• Board approved funding on October 5, 2018</li> <li>• Developed implementation and migration plan</li> <li>• Acquired Office 365 licenses</li> <li>• Implemented Office 365 email (Exchange) and migrated all users</li> <li>• Trained staff in Office 365 Pro Plus desktop software</li> <li>• Implemented Office 365 Pro Plus, Office Web, and OneDrive for Business</li> </ul>	<ul style="list-style-type: none"> <li>• Implement Office 365 internal website (SharePoint) and migrate existing content</li> </ul>
Permitting System Automation Phase 1	New Web application to automate the filing of permit applications with immediate processing and issuance of permits for specific application types: Dry Cleaners, Gas Stations, and Automotive Spray Booths	\$694,705	<ul style="list-style-type: none"> <li>• Automated 400A form filing, application processing, and online permit generation for Dry Cleaner, Automotive Spray Booth, and Gas Station Modules deployed to production</li> <li>• Enhanced processing of school locations with associated parcels</li> <li>• Deployed upgraded GIS Map integration and enhanced sensitive receptor identification and distance measurement work</li> <li>• Deployed new version of On Line Application Filing (OLAF) that includes Rule 212(c)(1) Implementation Guidance</li> </ul>	<ul style="list-style-type: none"> <li>• Continue Phase 1.1 project outreach support</li> </ul>

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 internal South Coast AQMD users	\$525,000	<ul style="list-style-type: none"> <li>• Board approved initial Phase 2 funding December 2017</li> <li>• Board approved remaining Phase 2 funding October 5, 2018</li> <li>• Completed report outlining recommendations for automation of Permitting Workflow</li> <li>• Developed application submittals and form filing for first nine of 32 400-E forms</li> <li>• Completed application submittals and form filing for 23 types of equipment under Rule 222 ready for User Testing</li> <li>• Deployed to production top three most frequently used Rule 222 forms: Negative Air Machines, Small Boilers, and Charbroilers</li> </ul>	<ul style="list-style-type: none"> <li>• Complete User Testing for first nine 400-E forms</li> <li>• Complete User Acceptance Testing and Deployment to production of Emergency IC Engines Form (EICE-RE)</li> <li>• Complete User Acceptance Testing and Deployment of remaining 22 Rule 222 forms to production</li> <li>• Complete requirements gathering for Phase II of the project (an additional 10 400-E-XX forms)</li> </ul>

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Replace Your Ride (RZR)	New Web application to allow residents to apply for incentives to purchase newer, less polluting vehicles	\$301,820	<ul style="list-style-type: none"> <li>• Phase 2 and 3 Fund Allocation, Administration, Management Reporting modules, VIN Number, Case Manager, Auto e-mail and document library updates deployed and in production</li> <li>• Implemented following modifications: Electric Vehicle Service Equipment, email templates, call center hours, additional incentive amounts, VIN Number scramble modifications and replacement option choices to allow staff to process application more efficient</li> </ul>	<ul style="list-style-type: none"> <li>• Implementation of RZR and PeopleSoft Financial integration module</li> </ul>
South Coast AQMD Mobile Application Enhancements	Enhancement of Mobile application from SRA based map to grid map. This grid map will allow users to see AQI at a finer resolution.	\$100,000	<ul style="list-style-type: none"> <li>• Vision and scope completed</li> <li>• Project charter released</li> <li>• Task order issued, evaluated and awarded</li> <li>• Project kick off completed</li> <li>• User Interface design completed</li> </ul>	<ul style="list-style-type: none"> <li>• Code Development</li> <li>• Migrate Gridded Air Quality Calculation to enterprise architecture</li> </ul>
Legal Division New System Development	Develop new web-based case management system for Legal Division to replace existing system	\$500,000	<ul style="list-style-type: none"> <li>• Task order issued, evaluated and awarded</li> <li>• Project charter finalized</li> <li>• Business Process Model completed</li> <li>• User Acceptance Testing completed</li> <li>• User Training completed</li> <li>• Parallel testing completed</li> <li>• Deployed to production</li> </ul>	<ul style="list-style-type: none"> <li>• Phase II requirements</li> </ul>

<b>Project</b>	<b>Brief Description</b>	<b>Estimated Project Cost</b>	<b>Completed Actions</b>	<b>Upcoming Milestones</b>
Flare Event Notification – Rule 1118	Develop new web-based application to comply with Rule 1118 to improve current flare notifications to the public and staff	\$100,000	<ul style="list-style-type: none"> <li>• Project charter released</li> <li>• Task order issued, evaluated and awarded</li> <li>• Requirement gathering and design for Sprint 1, 2 and 3 completed</li> <li>• Sprint 4 and Public Portal implementation completed</li> <li>• Major incident notification deployed</li> <li>• Refinery user training completed</li> <li>• Application demo completed</li> <li>• Deployed to production on December 12, 2019 including major incident reporting on public portal</li> <li>• Phase I Bug fixes deployed to production after initial deployment</li> <li>• Phase II development on administrative and reporting pages completed</li> </ul>	<ul style="list-style-type: none"> <li>• Phase II User Acceptance Testing</li> </ul>
PeopleSoft Electronic Requisition	South Coast AQMD is implementing an electronic requisition for PeopleSoft Financials. This will allow submittal of requisitions online, tracking multiple levels of approval, electronic archival, pre-encumbrance of budget, and streamlined workflow	\$75,800	<ul style="list-style-type: none"> <li>• Project charter released</li> <li>• Task order issued, evaluated and awarded</li> <li>• Requirement gathering and system design completed</li> <li>• System setup and code development and user testing for Information Management completed</li> <li>• System setup and code development and User Acceptance Testing completed for Administrative and Human Resources completed</li> <li>• System setup for Technology Advancement Office completed</li> </ul>	<ul style="list-style-type: none"> <li>• Deployment to IM and AHR divisions</li> <li>• TAO training Integrated User Testing for other divisions</li> </ul>

<b>Project</b>	<b>Brief Description</b>	<b>Estimated Project Cost</b>	<b>Completed Actions</b>	<b>Upcoming Milestones</b>
AQ-SPEC Cloud Platform	Develop a cloud-based platform to manage and visualize data collected by low-cost sensors	\$385,500	<ul style="list-style-type: none"> <li>• Project charter released</li> <li>• Task order issued, evaluated and awarded</li> <li>• Business requirements gathering completed</li> <li>• System architecture, data storage, and design data ingestion completed</li> <li>• Data transformations, calculations and averaging completed</li> <li>• Dashboards, microsites and data migration completed</li> <li>• Release 2 User Acceptance Testing completed</li> <li>• Deployment to production completed</li> </ul>	
Cybersecurity Assessment	Perform a cybersecurity risk assessment, maturity assessment, and penetration testing	\$100,000 (not included in FY 2020-21 Budget)		<ul style="list-style-type: none"> <li>• Release RFP December 4, 2020</li> <li>• Award Contract February 5, 2021</li> <li>• Complete Cybersecurity assessment May 31, 2021</li> </ul>

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
VW Environmental Mitigation Action Plan Project	CARB has assigned South Coast AQMD to develop web applications for two projects: Zero-Emission Class 8 Freight and Port Drayage Truck Project and Combustion Freight and Marine Project. The agency is also responsible for maintaining a database that will be queried for reporting perspectives for CARB	\$355,000	<ul style="list-style-type: none"> <li>• Draft Charter Document issued</li> <li>• Project Initiation completed</li> <li>• Task order issued</li> <li>• Deployed Phase I to production on Dec. 6, 2019</li> <li>• Initial deployment of Phase II to production – Messaging, Evaluation, and Administration functionalities completed March 3, 2020</li> <li>• Development of evaluation module and calculation module completed</li> <li>• Deployment of Phase III – ZE Class 8 application submittal completed</li> </ul>	<ul style="list-style-type: none"> <li>• Development of Phase III - Contracting, and Inspection</li> </ul>
Rule 1403 Enhancements	The Rule 1403 web application automates the Rule 1403 notification process. Enhancements to the system are now required to streamline the process and meet the new rule requirements	\$68,575	<ul style="list-style-type: none"> <li>• Project charter released</li> <li>• Task order issued, evaluated and awarded</li> <li>• Business requirements gathering completed</li> <li>• Phase 1 Development completed</li> <li>• Phase 2 Development completed</li> <li>• System Integration Testing and User Acceptance Testing in Stage Environment completed</li> <li>• Deployed System to Production Environment</li> </ul>	

Project	Brief Description	Estimated Project Cost	Completed Actions	Upcoming Milestones
Source Test Tracking System	South Coast AQMD will implement an Online Source Test Tracking System to keep track of timelines, as well as quantify the number of test protocols and reports received. The Source Test Tracking System will provide an external online portal to submit source testing protocols and reports, ability to track the review process, and provide integration to all other business units for all source test protocols and report submitted. It will also provide an external dashboard to review the status of a submittal	\$250,000	<ul style="list-style-type: none"> <li>• Project Charter approved</li> <li>• Project Initiation completed</li> <li>• Task Order issued</li> <li>• Project Kick-off completed</li> <li>• User requirements gathering for Source Testing and Engineering &amp; Permitting Divisions completed</li> <li>• User requirements gathering for Compliance &amp; Enforcement and Planning Divisions completed</li> <li>• Development of Full Business Process Model of the To-Be system completed</li> </ul>	<ul style="list-style-type: none"> <li>• Develop screens mock-ups for the system that will be developed</li> </ul>
CLASS Database Software Licensing	Purchase Actian Ingres database software licensing, support and maintenance for the CLASS system for one-year period (November 30, 2020 through November 30, 2021)	\$277,200		<ul style="list-style-type: none"> <li>• Board approval October 2, 2020</li> <li>• Execute contract November 30, 2020</li> </ul>



Projects that have been completed within the last 12 months are shown below.

**Completed Projects**

Project	Date Completed
Volkswagen Environmental Mitigation Administration Zero Emission Class 8	August 18, 2020
Rule 1403 Enhancement	July 1, 2020
Legal Office System	June 17, 2020
Document Conversion Services	June 30, 2020
Oracle PeopleSoft Software Support	June 5, 2020
Renewal of OnBase Software Support	May 1, 2020
Public Facing Permit Application Status Dashboard	May 1, 2020
Mobile Application Enhancement – Hourly Forecast	April 29, 2020
Renewal of HP Server Maintenance & Support	April 30, 2020
Rule 1180 Fence Line Monitoring Web Site Enhancements	April 3, 2020
Volkswagen Environmental Mitigation Administration and Communication Module	March 3, 2020
Data Cable Infrastructure Installation	February 31, 2020
Prequalify Vendor List for PCs, Network Hardware, etc.	February 7, 2020
Mobile Application Enhancements Including Spanish Language	January 23, 2020
Annual Emissions Reporting System	December 31, 2019
Rule 1180 Fence Line Monitoring Website	December 31, 2019
Online filing of Rule 222 – Negative Air Machines, Small Boilers, and Charbroilers Modules	December 13, 2019
Flare Notification System	December 12, 2019
Volkswagen Environmental Mitigation Application Filing Portal	December 7, 2019
CLASS Database Software Licensing and Support	November 30, 2019
Office 365 Suite Implementation of File Storage (OneDrive for Business)	November 22, 2019
Ingres Database Migration to Version 11	August 23, 2019