BOARD MEETING DATE: February 2, 2018   AGENDA NO. 19

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 SCAQMD operations. This
                 action is to provide the monthly status report on major automation
                 contracts and planned projects.

COMMITTEE: Administrative, January 12, 2018; Reviewed

RECOMMENDED ACTION:
Receive and file.

                                 Wayne Nastri
                                 Executive Officer

RMM:MAH:OSM:agg

Background
Information Management (IM) provides a wide range of information systems and
services in support of all SCAQMD 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 specifies projects planned during the
fiscal year to develop, acquire, enhance, or maintain mission-critical information
systems.

Summary of Report
The attached report identifies each of 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

Project	Brief Description	Budget	Completed Actions	Upcoming Milestones
Website Evaluation & Improvements	Conduct a detailed review of the SCAQMD website to identify improvements/ enhancements that can further site usability and implement items approved by Administrative Committee; improvements include new custom Calendar and changes to navigation and content organization	$117,475	• Developed new Calendar • Developed new Home Page • Developed master pages and widgets • Set up beta site on SCAQMD server • Applied Calendar fixes to improve load time • Completed content migration and QA checking • Applied design updates • Completed final user acceptance checking • Deployment of new website	• Three months of site maintenance
Implementation of Enterprise Geographic Information System (EGIS)	Support accomplishment of the agency's mission through the effective and cost-efficient implementation of EGIS and related technologies	$173,255	• Board approved purchase of recommended hardware and software • Formed SCAQMD EGIS Governance/Working Group • Created EGIS Governance/Working Group Charter • Created agency-wide catalog of GIS software and staff resources • Developed prioritized project list and schedule • Attended EGIS project planning meeting September 13, 2017	• Continue implementation of the nine prioritized EGIS projects

Project	Brief Description	Budget	Completed Actions	Upcoming Milestones

Implementation of Enterprise Geographic Information System (EGIS)
 	
(continued)
			• Completed four of the nine prioritized EGIS projects:
			  o EGIS Program Management
			  o System Installation, Configuration and Phasing Plan
			  o ESRI Software Installation, Configuration, Testing and Training
			  o Enterprise Geodatabase Implementation	

Permitting System Automation Phase 1	New Web application to automate the filing of all permit applications with immediate processing and issuance of permits for specific application types: Dry Cleaners (DC), Gas Stations (GS) and Automotive Spray Booths (ASB)	Phase 1 $450,000	• Phase 1 400A Form Filing and DC permit processing application complete and deployed to production	• End of Limited Live assisted filing and full deployment of initial module
		Phase 1.1 $200,000	• Phase 1.1 GS and ASB permit processing modules enhanced to support R1401 Rule changes adopted in September 2017	• Full deployment of GS and ASB modules scheduled for February 2018

Project	Brief Description	Budget	Completed Actions	Upcoming Milestones
Permitting System Automation Phase 2	Enhanced Web application to automate permit application process for Registration Equipment, IC Engines, and Vapor Recovery systems; and implement electronic permit folder and workflow for internal SCAQMD users	$610,000	• Phase 2 task order issued and awarded • Board letter for contract amendment and project approved at December 2017 Board Meeting	• Start of Phase 2 development work scheduled for February 2018
Information Technology Review	Secure independent firm to perform technology review to help determine opportunities for hardware, system, and software modernization	$75,000	• Work initiated September 2017 • Business Process Reviews, IT interviews and systems review work completed • Analysis work in progress for final Findings report completed • Draft Findings report delivered	• Updated Findings report • Presentation of Findings and Recommendations
Permit Application Status and Dashboard Statistics	New Web application to allow engineers to update intermediate status of applications; create dashboard display of status summary with link to FIND for external user review	$100,000	• Task order issued and awarded • Board letter for contract amendment and project approved at December Board Meeting	• Start of detailed project planning
Agenda Tracking System Replacement	Replace aging custom agenda tracking system with state-of-the-art, cost-effective Enterprise Content Management (ECM) system, which is fully integrated with OnBase, SCAQMD's agency-wide ECM system	$86,600	• Released RFP December 4, 2015 • Awarded contract April 1, 2016	• Continue parallel testing • Final acceptance to follow successful testing and training

Project	Brief Description	Budget	Completed Actions	Upcoming Milestones
Emission Reporting System	Upgrade outdated modem-based emission reporting system to allow internet-based reporting with up-to-date tools and methodology	$242,000	• Detailed planning and architecture sessions completed • Approved by Board March 3, 2017	• Modify scope of work pending RECLAIM program discussions
Air Quality Index Rewrite and Migration	Develop new Web Service and/or Web API to migrate Air Quality Index function from FORTRAN computer to STA's data management system	$65,000	• AQI Calculation Web Service and Hourly Update development work completed, staged and ready for deployment	• Deployment pending final user buyoff
Replace Your Ride	New Web application to allow residents to apply for incentives to purchase newer, less polluting vehicles	$211,820	• Phase 1 Applicant Filing and Case Manager processing module complete and deployed to production • User Acceptance Testing completed	• Phase 2 Finance and System Administration module deployment
Fiber Cable Network Infrastructure Upgrade	Replace the existing fiber network cable infrastructure to support core computer networking (interconnect) in the agency; the Fiber Network Cable System will support higher bandwidth (min. 10 Gbps) from current (1 Gbps) to support increasing computing demands	$311,202	• Released RFP November 3, 2017	• Award contract February 2, 2018 • Install fiber cable April, 2018
Prequalify Vendor List for PCs, Network Hardware, etc.	Establish list of prequalified vendors to provide customer, network, and printer hardware and software, and to purchase desktop computer hardware upgrades	$195,000	• Released RFQQ November 3, 2017	• Approve Vendors List February 2, 2018

Project	Brief Description	Budget	Completed Actions	Upcoming Milestones
Renewal of HP Server Maintenance & Support	Purchase of maintenance and support services for servers and storage devices	$120,000		• Request Board approval February 2, 2018 • Execute contract April 6, 2018