BOARD MEETING DATE: June 2, 2017   AGENDA NO. 18

PROPOSAL: 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, May 12, 2017; Recommended for Approval

RECOMMENDED ACTION:
Receive and file.

                                          Wayne Nastri
                                          Executive Officer

JCM: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 the items approved by the Administrative Committee; improvements include a new custom calendar and changes to the navigation and content organization	$117,475	• Calendar development done • Home page development done • Development of master pages and widgets done • Beta site set up on SCAQMD server	• Content migration and page updates with new widgets on the beta site • Final testing and performance tuning of new site in July 2017 • Expect to deploy July/August 2017
Consolidation of Mapping Functions on SCAQMD's Website	Conduct an assessment of Geographic Information System (GIS) needs across the agency and develop an implementation plan for consolidating GIS functionality across the agency with a road map of projects to reach that goal	$49,936	• Needs assessment completed • Final system design document done based on recommended system design • Implementation plan outline done after final design documents • Software quote received from ESRI	• Post-contract, IM will begin implementing recommendations and incorporating into improved website • June Board letter to purchase recommended hardware and software
Permitting Systems Automation	• New Web Application Development project to automate the 400A Form Filing process	$200,000	• Business process model, requirements, and design work complete • 400 A release 1 delivered end of April	• Code development work in progress • Testing in progress

Permitting Systems Automation (continued)	• New Web Application Development project to automate the processing of Dry Cleaner, Gas Station, and Spray Booth applications	$250,000	• Business process model, requirements, and design work complete • Release 1 of Dry Cleaner, Gas Station, and Spray Booth modules delivered mid-May	• Code development work in progress for all modules • Testing in progress for all modules
	• Bay Area Software Evaluation - Assist Permitting Systems staff in assessment of the Bay Area software solution for use by SCAQMD and the public	To Be Determined	Received test account from Bay Area to access the demo site and experiment with the BAAQMD online permit processing tools	Complete initial review of Internal Dashboard and Customer Service Portals; need test facility to move forward
Information Technology Review	RFP for Information Technology review to help determine opportunities for hardware, system, and software modernization	$75,000	• Released RFP December 2, 2016 • Contract awarded March 3, 2017 and executed in May	Task 1: Develop review scope, deliver work plan, and start implementation
Permit Dashboard Statistics	• High level: New dashboard displaying monthly count of pending applications by type	Costs unbudgeted, developed internally; cost of software $1,320	• Dashboard developed internally and submitted for review and approval October 2016 • Initial version completed and went live online on January 20, 2017	Not applicable

Permit Dashboard Statistics (continued)	• Detailed: New Web Application to allow engineers to update the intermediate status of applications, and a modification of the FIND or other GIS application to display the updated status to the applicant	Costs unbudgeted, to be determined after requirements are known	Initial requirements meeting Aug. 2016; staff identifying and finalizing intermediate statuses, method of data capture, and other user requirements	Continued biweekly follow-up to obtain user requirements needed for design and development work
Network Core Switch and Router Replacement	Replace the existing voice and data network core switch and router, which is no longer fully supported by the manufacturer; the new core switch and router will deliver enhanced functionality with additional bandwidth and speed	$225,000	• Released RFP October 7, 2016 • Awarded contract January 6, 2017 and equipment ordered • Router installed, configured and tested	Not applicable
Agenda Tracking System Replacement	Replace the aging custom agenda tracking system with a 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	Complete implementation August 2017
Replace Your Ride	New Web Application to allow residents to apply for incentives to purchase newer, less-polluting vehicles	$175,000	• Task order issued and awarded October 2016 • Development work initiated December 2016 • Release 1- application filing module delivered for testing	• System development work in progress • Expected implementation June 2017
Emission Reporting System	Upgrade the 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 the Board March 3, 2017	Task order set to start

Web Application and CLASS Systems Maintenance and Support	On-demand support for minor enhancements, upgrades, and maintenance of the SCAQMD suite of CLASS systems and Web Applications, Web Services, and Web Application Program Interfaces (APIs)	$103,000	• Planning sessions in progress to finalize and prioritize work items for the upcoming period • Approved by the Board March 3, 2017	Task order set to start
Air Quality Index Rewrite and Migration	Develop a new Web Service and/or Web API to migrate the Air Quality Index function from the FORTRAN computer to STA's data management system	$60,000	• Work statement completed • Approved by the Board March 3, 2017 • Task order awarded and work started in April • Requirements and design work completed in May	Development work in progress
Renewal of HP Server Maintenance & Support	Purchase of maintenance and support services for servers and storage devices	$110,000	• Approved by the Board April 7, 2017 • Contract executed	Not applicable