

STAFF REPORT

TO: SASM Commissioners
FROM: Mark Grushayev, WWT Manager
VIA: Jill Barnes, P.E., Director of Public Works/City Engineer
SUBJECT: WWTP Master Plan
DATE: October 17, 2013

1 **ISSUE:**
2 Selection of a consultant for the WWTP Master Plan.

3
4 **RECOMMENDATION:**
5 Authorize the City Manager to enter into a contract with Carollo Engineers for the preparation of
6 the WWTP Master plant in the amount not to exceed \$120,000.

7
8 **DISCUSSION:**
9

10 During the strategic planning workshop in June 2013, the SASM Board of
11 Commissioners considered a long-term planning strategy for the replacement of aging
12 infrastructure and to addresses more stringent wastewater regulations. Following
13 discussion of these issues, the Board directed staff to develop and issue a Request for
14 Proposal for the preparation of a Master Plan to evaluate SASM's facilities.

15
16 In August 2013 two proposals were submitted by RMC Water and Environment and Carollo
17 Engineers (Carollo). City staff reviewed the proposals in accordance with qualifications-based
18 selection guidelines, relative to the requirements that were established in staff's Request for
19 Proposal.

20
21 Each of the consultant teams presented an understanding of the scope of work and level of
22 experience that met the technical and administrative requirements of the project. Therefore, this
23 review focused on the approach and scope of work that were provided by each team, and how
24 closely each proposed approach met the requirements of the RFP.

25 The RFP asked that the proposals address the following key components in a master plan report:

SASM Board: Staff Report
Wastewater Treatment Plant Manager's Report
October 17, 2013

- 26 Provide a comprehensive, long-term plan,
- 27 Consider future effluent and influent flows and pollutant loads,
- 28 Review process performance in the context of permit compliance, growth, and regulatory
- 29 requirements,
- 30 Consider alternative treatment technologies and options to modernize the plant.
- 31 Discuss biosolids and biogas management alternatives,
- 32 Incorporate findings from the concurrent, recycled water feasibility study,
- 33 Conduct electrical and instrumentation/controls, and condition assessments incorporate
- 34 findings of recent electrical assessment and integrate recently-completed mechanical condition
- 35 assessment findings.
- 36 Review flood vulnerability and recommend design and protection measure to address
- 37 weaknesses,
- 38 Review carbon footprint and discuss sustainable design elements, and;
- 39 Provide cost estimates for identified CIPs.

40
41 After careful review of the proposals and further discussions with both consultants, staff concluded
42 that the Carollo proposal more clearly defined future regulatory needs, and how these changes could
43 impact SASM facilities. Carollo demonstrated that they would accommodate these future needs into
44 the evaluation and consider space limitations in the Master Plan. The Carollo proposal also
45 confirmed the importance of the Master Plan as a comprehensive planning document.

- 46
- 47 Attachments:
- 48 Request for Proposal
- 49 Carollo Engineers Proposal
- 50