

SAN JOSÉ/SANTA CLARA TREATMENT PLANT ADVISORY COMMITTEE

CHUCK REED, CHAIR
PETE McHUGH, MEMBER
KEVIN MOORE, MEMBER
JAMIE MATTHEWS, MEMBER
MADISON NGUYEN, MEMBER

KEN YEAGER, MEMBER
JOHN GATTO, MEMBER
ED SHIKADA, MEMBER
KANSEN CHU, MEMBER

AGENDA/TPAC

4:30p.m.

November 8, 2012

Room 1734

1. **ROLL CALL**

2. **APPROVAL OF MINUTES**

A. October 11, 2012

3. **UNFINISHED BUSINESS/REQUEST FOR DRFERRALS**

4. **DIRECTOR'S REPORT** (verbal)

5. **AGREEMENTS/ACTION ITEMS**

A. Plant Master Plan Update – November 2012

Staff Recommendation: TPAC recommend to Council acceptance of:

The Plant Master Plan progress report highlighting activities since December 2010 on the Plant Master Plan for the San Jose/Santa Clara Water Pollution Control Plant.

The Plant Master Plan Update was heard at the Transportation and Environment Committee on November 5, 2012, and will be considered by the San Jose City Council on November 27, 2012:

6. **OTHER BUSINESS/CORRESPONDENCE**

7. **STATUS OF ITEMS PREVIOUSLY RECOMMENDED FOR APPROVAL BY TPAC**

A. Agreement with the Santa Clara Valley Water District for the operation and maintenance of the Silicon Valley Advanced Water Purification Center

Recommendation: TPAC Approval of:

Adopt a resolution authorizing the City Manager to execute an agreement between the City of San José and the Santa Clara Valley Water District for the operation and maintenance of the Silicon Valley Advance Water Purification Center.

The San Jose City Council approved this matter on October 16, 2012.

B. First Amendment to ESA + J&S Joint Venture Agreement to Expedite Plant Master Plan Implementation

Recommendation: TPAC Approval of:

Approve a First Amendment to the Agreement between the City of San José and Environmental Science Associates, Inc. and Jones & Stokes Associates, Inc. (ESA + J&S) to expand their services on the Plant Master Plan environmental documentation to include a) a separate CEQA process for a co-generation facility, b) coordination with regulatory agencies, and c) minor additional work within the original scope. The amendment would increase the maximum compensation by \$453,971 not to exceed \$2,453,971, and to extend the term through June 30, 2014.

The San Jose City Council approved this matter on October 16, 2012.

8. REPORTS

A. Open Purchase Orders Greater Than \$100,000

The attached monthly Procurement and Contract Activity Report summarizes the purchase and contracting of goods with an estimated value between \$100,000 and \$1 million and of services between \$100,000 and \$250,000.

9. MISCELLANEOUS

A. The next TPAC meeting is December 13, 2012, at 4:30 p.m. City Hall, City Manager's Office, 17th Floor, Room 1734.

10. OPEN FORUM

11. ADJOURNMENT

NOTE: If you have any changes or questions, please contact Monica Perras, Environmental Services, 408-975-2515.

To request an accommodation or alternative format for City-sponsored meetings, events or printed materials, please call Monica Perras at (408) 975-2515 or (408) 294-9337 (TTY) as soon as possible, but at least three business days before the meeting/event.

Availability of Public Records. All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection

at San Jose City Hall, 200 East Santa Clara Street, 10th Floor, Environmental Services at the same time that the public records are distributed or made available to the legislative body.

**MINUTES OF THE
SAN JOSE/SANTA CLARA
TREATMENT PLANT ADVISORY COMMITTEE**
City Hall, City Manager's Office, 17th Floor, Room 1734
Thursday, October 11, 2012 at 4:30 p.m.

1. **ROLL CALL**

Minutes of the Treatment Plant Advisory Committee convened this date at 4:30 p.m. Roll call was then taken, with the following members in attendance:

Committee members: Pete McHugh, John Gatto, Jamie Matthews, Kevin Moore, Madison Nguyen, Ed Shikada, Ken Yeager, Chuck Reed

Staff present: Monica Perras, Rosa Tsongtaatarii, Sharon Erickson, Avi Chai, John Dam, Joanna De Sa, Kerrie Romanow, Linda Charfauros, Dave Tucker, Reye Eyerly

Others present: Jon Newby (West Valley Sanitation), Kathleen Phalen, (City of Milpitas), Chris de Groot, (City of Santa Clara), John Ryan (CH2MHill), Mike O'Connor (City of San Jose)

2. **APPROVAL OF MINUTES**

A. **September 13, 2012**

Item 2.A was approved. Committee members Matthews and Gatto abstained.

3. **UNFINISHED BUSINESS/REQUEST FOR DEFERRALS**

4. **AGREEMENTS/ACTION ITEMS**

A. **Environmental Services Department Audit**

Recommendation: TPAC Approval of:

Environmental Services Department Audit referred by the Public Safety, Finance and Strategic Committee on August 16, 2012, and accepted by the City Council on August 28, 2012

The San Jose City Council accepted the Audit on August 28, 2012.
(Audit Report to be handed out to TPAC members only)

Item 4.A was approved unanimously. Committee Member Gatto requested an additional item on the agenda named Directors Report. This item will be added to the November agenda as a standing item.

B. **Approval of Citywide Insurance Renewals**

Recommendation: TPAC Approval of:

Adopt a resolution authorizing the City Manager to select and purchase certain City property and liability insurance policies for the period October 1, 2012 to October 1,

2013, at a total cost not to exceed \$1.6 million for all policies, with the following insurance carriers:

1. Lexington Insurance Company, (Boston, MA) - or other insurers that the City is currently in negotiations with - for Property Insurance, including Boiler & Machinery.
2. National Union Fire Insurance Company (New York, NY) to provide the following coverage:
 - Airport Owners and Operators Liability including War Risks & Extended Perils Coverage (Primary and Excess).
 - Police Aircraft Hull & Liability including War Risks & Extended Perils.
3. St Paul/Travelers Insurance Company, (Hartford, CT) - or other insurers that the City is currently in negotiations with - for Automobile Liability (Airport fleet vehicles including Shuttle Buses, and Water Pollution Control Plant (WPCP) fleet vehicles) and Airport Shuttle Bus physical damage.
4. Indian Harbor Insurance Company, (Stamford, CT) for Secondary Employment Law Enforcement Professional Liability.

The San Jose City Council approved this matter on September 25, 2012.

Item 4.B was approved unanimously.

- C. Agreement with the Santa Clara Valley Water District for the operation and maintenance of the Silicon Valley Advanced Water Purification Center

Recommendation: TPAC Approval of:

Adopt a resolution authorizing the City Manager to execute an agreement between the City of San José and the Santa Clara Valley Water District for the operation and maintenance of the Silicon Valley Advance Water Purification Center.

The San Jose City Council is scheduled to consider this matter on October 16, 2012.

Item 4.C was approved unanimously.

- D. First Amendment to ESA + J&S Joint Venture Agreement to Expedite Plant Master Plan Implementation

Recommendation: TPAC Approval of:

Approve a First Amendment to the Agreement between the City of San José and Environmental Science Associates, Inc. and Jones & Stokes Associates, Inc. (ESA + J&S) to expand their services on the Plant Master Plan environmental documentation to include a) a separate CEQA process for a co-generation facility, b) coordination

with regulatory agencies, and c) minor additional work within the original scope. The amendment would increase the maximum compensation by \$453,971 not to exceed \$2,453,971, and to extend the term through June 30, 2014.

The San Jose City Council is scheduled to consider this matter on October 16, 2012.

Item 4.D was approved unanimously

5. **REPORTS**

- A. Open Purchase Orders Greater Than \$100,000
The attached monthly Procurement and Contract Activity Report summarizes the purchase and contracting of goods with an estimated value between \$100,000 and \$1 million and of services between \$100,000 and \$250,000.

Item 5.A was approved to note and file with corrections to the Tank Overhaul limit. Staff to report back with correction at the November 8th TPAC meeting.

6. **OTHER BUSINESS/CORRESPONDENCE**

7. **STATUS OF ITEMS PREVIOUSLY RECOMMENDED FOR APPROVED BY TPAC**

- A. Master Consultant Agreement With RMC Water And Environment to develop a master plan for the South Bay Water Recycling Program

Recommendation: TPAC Approval of:

Approval of a master agreement with RMC Water and Environment to develop a Master Plan (Plan) for the South Bay Water Recycling (SBWR) Program for a total compensation not-to exceed amount of \$2,400,000, and for a term upon execution of the agreement through June 30, 2014.

The San Jose City Council is scheduled to consider this matter on September 18, 2012.

Item 7 A, 1-2 was approved to note and file.

8. **MISCELLANEOUS**

- A. The next TPAC meeting will be November 8, 2012, at 4:30p.m., City Hall, City Manager's Office, 17th Floor, Room 1734.

Committee Member Reed commented that he will be traveling and will not be in attendance for the November TPAC meeting.

9. **PUBLIC COMMENT**

10. **ADJOURNMENT**

- A. The Treatment Plant Advisory Committee adjourned at 4:50 p.m.

Chuck Reed, Chair
Treatment Plant Advisory Committee



T&E AGENDA: 11-05-12
ITEM: d(2)

Memorandum

TO: TRANSPORTATION &
ENVIRONMENT COMMITTEE

FROM: Kerrie Romanow

SUBJECT: PLANT MASTER PLAN
UPDATE – November 2012

DATE: 10-18-12

Approved

Date

10/26/12

RECOMMENDATION

Accept this progress report highlighting activities since December 2010 on the Plant Master Plan for the San Jose/Santa Clara Water Pollution Control Plant.

OUTCOME

Provide update to the Transportation and Environment Committee on the progress towards the formal approval for the Plant Master Plan and completion of the California Environmental Quality Act (CEQA) review.

BACKGROUND

In November 2007, the Environmental Services Department (ESD) embarked on a three-year process to develop a 30-year Plant Master Plan for the San Jose/Santa Clara Water Pollution Control Plant (Plant). The Plant serves the homes of 1.4 million residents and roughly 17,000 commercial/industrial sewer connections across San José, Santa Clara, Milpitas, Cupertino, Campbell, Los Gatos, Monte Sereno, and Saratoga. The Plant Master Plan charts a course to continue the Plant's success in protecting public health and the environment and supporting the region's economy. The Plant Master Plan addresses the infrastructure needs of the 53-year old facility as well as flood protection for the Plant, new regulations, and possible new land uses for portions of the Plant's 2,600-acre site.

Three alternatives of the Plant Master Plan were prepared through an extensive community input process and the Preferred Alternative was recommended to the T&E Committee and Council in April 2011. This Preferred Alternative includes two components:

- **Technical Alternative:** The technical component consists of process changes and long-range capital projects that will enable the San Jose/Santa Clara Water Pollution Control Plant to meet future regulatory requirements and population demands using sustainable, energy-efficient, and cost-effective solutions.
- **Land Use Alternative:** The land use component proposes a mix of new land uses on the Plant buffer lands and current biosolids processing area that include: economic development with a focus on Clean Tech and job creation; recreational uses including trails and parks; and enhancement of upland habitats and restoration of marshland habitats.

ANALYSIS

Since staff last reported to the T&E Committee on the Plant Master Plan in December 2010, the following activities have taken place regarding the CEQA review and the South Bay Shoreline Project.

Environmental Impact Report for the Plant Master Plan Preferred Alternative

In April 2011, the T&E Committee and Council approved preparation of the Environmental Impact Report (EIR) that will examine the potential impacts from the Plant Master Plan Preferred Alternative. Once completed, the EIR will allow Council to consider implementation of the recommended actions in the Plant Master Plan. The Planning Department acts as the Lead Agency for the CEQA analysis, and are supported with consultant services from ESA and Jones and Stokes Inc..

- ***Job Movement Analysis***
Under CEQA, one essential component of an EIR is the consideration of reasonable alternatives to the proposed project that will avoid or significantly reduce the environmental impact of the project. Based on the stakeholder input during the Plant Master Plan process, and Council discussion during the April 2011 hearing, one of these alternatives is proposed to include more habitat and open space than the Preferred Alternative. Job and Traffic analysis has demonstrated that it is possible to reallocate some of the jobs proposed on the Plant lands in other areas of the City and still meet economic development goals of Envision 2040 General Plan.
- ***Separate CEQA Process for New Co-generation Facility***
The Plant's electrical generation equipment has become increasingly outdated and unreliable—and at a more rapid pace than anticipated. The Plant Master Plan proposes to replace this equipment with a system that generates electricity by capturing and using waste heat. The project would include construction of a new building to house three gas turbines (each capable of generating 4.6 MW of electricity), a standby power system, and a gas treatment system. Because of the Plant's critical need for reliable energy, this construction project will need to begin in 2013. Therefore, this project was removed from the Plant Master Plan project list and a separate, accelerated CEQA process has been

initiated. Without the new facility, the Plant is vulnerable to the loss of electrical operating power in the event that power supplied by PG&E is interrupted. \

Interim Burrowing Owl Management Plan

In June 2012, habitat improvements were initiated for Western Burrowing Owls that currently inhabit Plant lands. All alternatives to the Plant Master Plan include an area designated as owl habitat. In coordination with the California Department of Fish & Game, interim activities are proceeding, with the understanding that any measures implemented are of a temporary nature until the Plant Master Plan EIR is certified. Council Policy 6-31 supports the use of Plant buffer land to provide direct benefit to habitats supporting species of special concern. In California, the Western Burrowing Owl is listed as a species of special concern, with significant population decreases over the past several decades.

South San Francisco Bay Shoreline Levee Alignment

Planning and Environmental Services staff have been actively coordinating on the Shoreline Study project with its sponsors - the US Army Corps of Engineers, the State Coastal Conservancy, and the Santa Clara Valley Water District. The study is currently in the planning phases of a flood protection levee along the northerly boundary of the Plant's operational area. The levee will also protect the Plant and other southerly lands from the rise of sea level. The project is still in the planning phase, and the final location of the levee is not yet determined. The levee is currently proposed to stretch from the Union Pacific railroad line north of the Alviso community in the west, cut across Artesian Slough and follow the southern boundary of salt pond A-18 before cutting across Plant lands currently in operation and terminating in the east near Coyote Creek. Some land use components of the Plant Master Plan may need slight modification based on the final location of the levee. Future construction of the levee across Plant lands will be dependent on the progress of Plant Master Plan projects that affect the phasing out of biosolids lagoons currently on or near the proposed levee alignment.

Next Steps

Building on the above activities, the next steps in the Plant Master Plan process include:

- ***Draft Environmental Impact Report (DEIR) Circulation:*** The DEIR is targeted for circulation in early December 2012. Comments received from the members of public and other agencies during this statutory 45-day public review will be compiled, along with written responses as part of the first Amendment to the EIR. It is anticipated that the amended EIR will be available for public review by May 2013.
- ***Adoption of the EIR.*** The Planning Commission public hearing to certify the EIR is targeted by June 2013. Following certification, an EIR resolution will be brought to Council to consider for adoption in June 2013. No action can be taken on the adoption of the Plant Master Plan and the General Plan Amendment until Council adopts the EIR resolution.
- ***Formal Approval of the Plant Master Plan:*** The Plant Master Plan is intended to guide both Plant infrastructure improvements and land use decisions for the next 30 years. Subsequent to, or concurrent with the EIR adoption, the Planning Commission and Council will consider adoption of the Plant Master Plan. As co-owner, the Santa Clara City Council will also consider approval of the Plant Master Plan, prior to San José City Council's final action.

- **General Plan Amendment.** The land use principles incorporated in the Plant Master Plan propose new uses in the lands surrounding the Plant, as well as new roads and trails. To implement these land use functions, the Envision 2040 General Plan and the Alviso Master Plan need to be amended. The amendment will be brought forward to Council for approval during the 2013 General Plan Amendment hearing cycle, anticipated in summer 2013.

EVALUATION AND FOLLOW UP

Staff will return to the T&E Committee in the spring of 2013 to present the final documents of the Plant Master Plan.

PUBLIC OUTREACH/INTEREST

- Criteria 1:** Requires Council action on the use of public funds equal to \$1,000,000 or greater.
- Criteria 2:** Adoption of a new or revised policy that may have implications for public health, safety, quality of life, or financial/economic vitality of the City.
- Criteria 3:** Consideration of proposed changes to service delivery, programs, staffing that may have impacts to community services and have been identified by staff, Council or a Community group that requires special outreach.

This recommendation does not meet any of the criteria listed above. If the Committee recommends consideration of this report by the full Council, it will be posted on the City's Internet website for the December 18, 2012 Council Agenda.

COORDINATION

This report has been coordinated with the City Attorney's Office and the Department of Planning, Building and Code Enforcement. This is scheduled to be reported at the November 8, 2012 Treatment Plant Advisory Committee meeting.

FISCAL/POLICY ALIGNMENT

This item is consistent with Council approved Budget Strategy Memo General Principle #2, "We must focus on protecting our vital core City services."

TRANSPORTATION & ENVIRONMENT COMMITTEE

10-18-12

Subject: Plant Master Plan Update # 5

Page 5

CEQA

Not a Project, File No. PP10-069 (a), Informational Memos that involve no approvals of any City actions.

/s/

KERRIE ROMANOW

Director, Environmental Services

For questions, please contact René Eyerly, Acting Environmental Sustainability Manager, at 975-2594.

Attachment: Final Draft of the Plant Master Plan

SAN JOSE/SANTA CLARA WATER
POLLUTION CONTROL PLANT

Plant Master Plan Update

Transportation and
Environment
Committee

November 5, 2012



Plant Master Plan

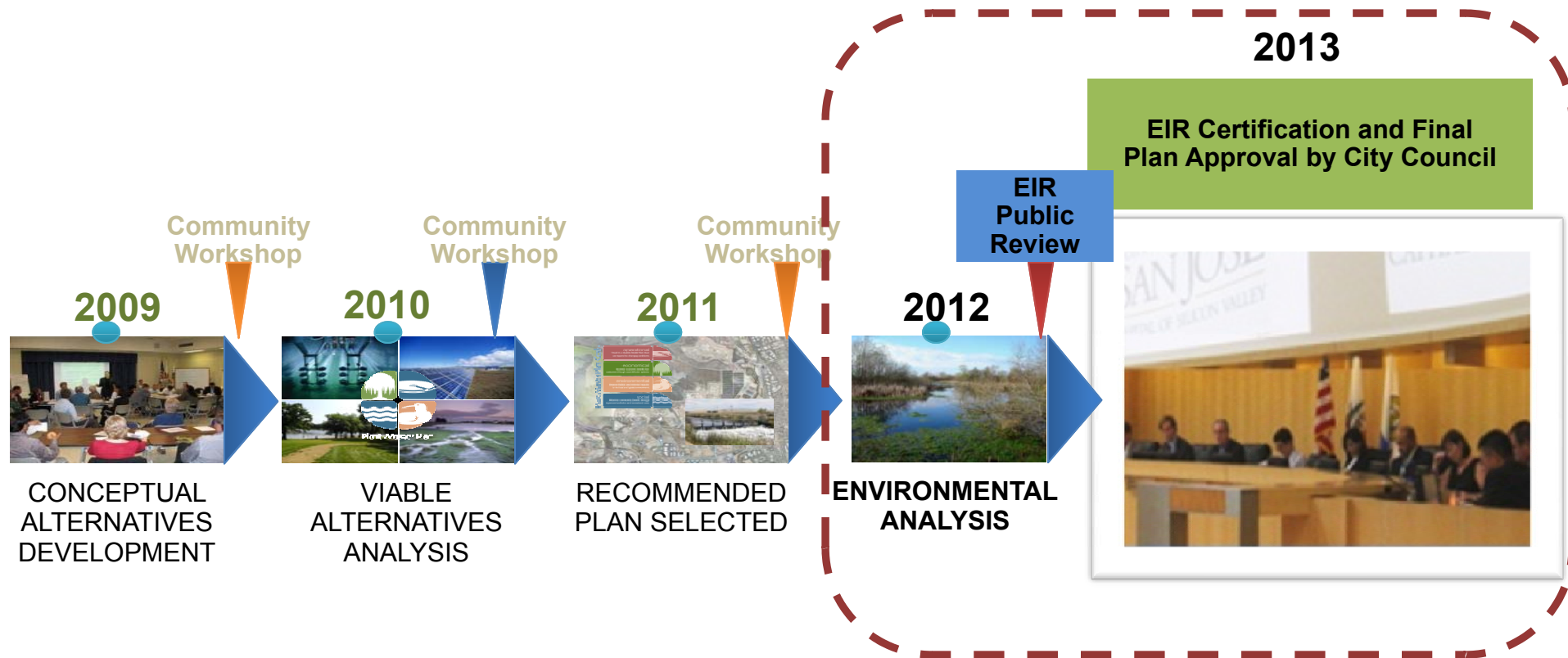


Plant Master Plan Status Report Topics

- Background
- Project Schedule
- Environmental Impact Report
- Interim Owl Management Plan
- Next Steps



OVERALL SCHEDULE



Plant Master Plan

RECOMMENDED PREFERRED ALTERNATIVE



CEQA Process Highlights

- Development Alternative Plans
 - Jobs movement would allow less development and increased open space
- Separate CEQA Process for Co-generation Facility
 - New facility critical due to unreliability of aging power generation equipment
 - Separate process will facilitate expedited construction irrespective of the EIR approval



Plant Master Plan

BURROWING OWL MANAGEMENT



- Interim Plan for area with existing owls started in June 2012
- Land already designated as Owl Habitat in Master Plan
- Coordinated with Fish and Game
- Habitat improvements already providing benefit



NEXT STEPS TOWARDS FINAL APPROVAL

Process and Anticipated Dates

- Draft EIR circulation - December 2012
- EIR Adoption - June 2013
- General Plan Amendment anticipated following the adoption of EIR in 2013
- Plant Master Plan will be adopted simultaneously



QUESTIONS?



City Manager's Contract Approval Summary
For Procurement and Contract Activity between \$100,000 and \$1 Million for Goods and \$100,000 and \$250,000 for Services

October 1 - October 31, 2012

Description of Contract Activity ¹	Fiscal Year	Req#/ RFP#	PO#	Vendor/Consultant	Original \$ Amount	Start Date	End Date	Additional \$ Amount	Total \$ Amount	Comments
NEW:										
TEMPORARY ASSISTANT ENVIRONMENTAL INSPECTORS (EXTENTION FROM 9/30/12 TO 3/31/13)	FY12-13	16322	47565	TRENDTEC INC	\$81,000	7/1/12	3/31/13	\$210,055	\$291,055	TO TPAC & COUNCIL DEC 2012
SERVICEGRID MAINTENANCE & SUPPORT SERVICES	FY12-13	16717	48071	ABB INC	\$248,674					
OVERHAUL OF TPS & FLOWAY PUMPS	FY12-13	16732		MARTECH INC (MECAHNICAL ANALYSIS REPAIR INC)	\$200,000					
ONGOING:										
INSPECTIONS, TECHNICAL ASSISTANCE, RECONDITION & REPAIR ENGINE/ENGINE PARTS	FY12-13	15616		NRG ENERGY SERVICES LLC	\$150,000					
REPLACE DEHUMIDIFICATION UNITS	FY12-13	16332			\$100,000					
FERRIC CHLORIDE (FECL3) SOLUTION	FY12-13	16435		KEMIRA WATER SOLUTIONS, INC	\$515,270					
TEST, TROUBLESHOOT, REPAIR SERVICE	FY12-13	16583		VINCENT ELECTRIC	\$120,000					
PRIMARY TANK OVERHAUL	FY12-13	16654			\$520,000					
DAFT TANK OVERHAUL	FY12-13	16655			\$1,100,000					

¹ This report captures in process contract activity (Requisition Number or RFP Number) and completed contract activity (Purchase Order Number, Contract Term, and Contract Amount)