

SAN JOSE/SANTA CLARA TREATMENT PLANT ADVISORY COMMITTEE

CHUCK REED, CHAIR
BOB LIVENGOOD, VICE-CHAIR
KEVIN MOORE, MEMBER
PATRICIA MAHAN, MEMBER
MADISON NGUYEN, MEMBER

KEN YEAGER, MEMBER
JOHN GATTO, MEMBER
ED SHIKADA, MEMBER
NORA CAMPOS, MEMBER

AGENDA

4:30 p.m.

December 10, 2009

Room T-1047

1. ROLL CALL

2. MINUTES

A. Minutes of November 12, 2009

3. UNFINISHED BUSINESS

A. McCarthy Property: Discussion of Committee questions concerning history of purchase of McCarthy Property interest, potential liability related discontinuance of solar drying operation, prioritization of discontinuance of solar drying operation, and potential for shifting costs associated with that project to the developer or either to the developer or the homeowners over time, for a portion of the costs, including use of an assessment district formed on the McCarthy property to provide a funding source for the costs.

4. CORRESPONDENCE

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.

B. Tributary Agencies Available Plant Capacity – 2009

6. AGREEMENTS

A. Technical Committee Recommendation (Handout)

B. Action Item – TPAC Recommendation for Concurrence Requested

The following item is proposed to be heard by the San Jose City Council on January 12, 2010:

1. Progress report highlighting activities since March 2009 on the Master Plan for the San Jose/Santa Clara Water Pollution Control Plant (Plant).

C. Action Item – TPAC Recommendation for Approval Requested

The following items are scheduled to be approved by the San Jose City Council on December 15, 2009:

1. Installation of Potable and Non-Potable Water Services and Mains: 2009-2010 project:
 - (a). Reject all bids for the Installation of Potable and Non-Potable Water Services and Mains: 2009-2010 project.
 - (b). Adopt a resolution authorizing the Director of Public Works to:
 - (i) Award the contract for the Installation of Potable and Non-Potable Water Services and Mains: 2009-2010 project to the lowest responsive and responsible bidder in an amount not to exceed \$726,000; and
 - (ii) Decide any timely bid protest(s), make the City's final determination as to the lowest responsive and responsible bidder, or to reject all bids and re-bid the project.
2. Approval of a Continuation Agreement with AEPC Group, LLC for consultant services for the preliminary design of the project entitled, "San José/Santa Clara Water Pollution Control Plant (Plant), Fiscal Year 2006-2007 Capital Improvement Program, Switchgear M5, Ring Bus, and Cable Replacement," to continue and extending the term of the agreement which expired on March 31, 2009 to June 30, 2010 at no additional cost to the City.
3. Report on bids and award of contract for the MCC H1, MCC H2, MCC J1, and MCC J2 Replacement Project to the lowest responsive bidder, Dynalectric Company, in the amount of \$1,637,295; and approval of a budget contingency of 15% contract amount, in the amount of \$245,595.

D. Informational Item – TPAC Item Previously Recommended for Approval

The following items were approved by the San Jose City Council on November 17, 2009.

1. Adopt a resolution authorizing the City Manager to negotiate and execute the Sixth Amendment to the construction service agreement with City of Santa Clara for the South Bay Water Recycling Program, revising the approved project list, increasing the maximum amount payable by \$3,000,000 to a total maximum amount not to exceed \$30,600,000 and extending the term of the agreement by eighteen months to December 31, 2011.
2. Adopt the following Appropriation Ordinance and Funding Sources Resolution amendments in the San José-Santa Clara Treatment Plant Capital Fund:
 - a. Increase the appropriation to the Environmental Services Department for the Revised South Bay Action Plan – SBWR Extension by \$3,410,000; and
 - b. Decrease the Ending Fund Balance by \$3,410,000.
3. Award the purchase of office furniture to Western Contract Interiors (San Jose, CA) for a total amount not to exceed \$298,477, including delivery, assembly, installation and all applicable sales taxes, based upon a previously awarded bid that contained additional quantity pricing, and authorize the Director of Finance to:
 - a. Execute purchase orders as required to meet the Environmental Services Department Water Pollution Control Plant's (Plant) timeline for staff relocation to the Environmental Services Building located at 4245 Zanker Road; and
 - b. Approve a contingency in the amount of \$29,848 for any unforeseen changes or requirements

E. Informational Item – TPAC Item Previously Recommended for Approval

The following item was approved by the San Jose City Council on December 1, 2009.

1. Adoption of a resolution authorizing the Director of Finance to execute a continuation of and first amendment to the agreement between the City of San Jose and First Alarm Security & Patrol to extend the initial twelve (12) month agreement term for security guard services an additional four (4) months through January 31, 2010, and to increase compensation by \$60,000 for a not-to-exceed amount of \$248,130.

7. **MISCELLANEOUS**

- A. The next TPAC meeting will be Thursday, January 14, 2010, at 4:30 p.m. City Hall, Environmental Services, 10th Floor, Room 1047.

8. **OPEN FORUM**

9. **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.

DRAFT
MINUTES OF THE
SAN JOSÉ/SANTA CLARA
TREATMENT PLANT ADVISORY COMMITTEE
City Hall, Environmental Services, 10th Floor, Room 1047
Thursday, November 12, 2009 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: Bob Livengood (Vice Chair), Kevin Moore, Patricia Mahan, Madison Nguyen, John Gatto, Nora Campos, Ken Yeager.

Staff present: Monica Perras, Dale Ihrke, Mansour Nasser, John Stufflebean, Mollie Dent, Kirsten Struve, Beth Gonzales, Mark Giovanetti, Eric Rosenblum.

Others present: Jeff Janssen, (City of San Jose) Alan Kurotori, (City of Santa Clara), Steve Machida, (Cupertino Sanitary District), Kathleen Phalen (City of Milpitas), Robert Reid, (West Valley Sanitation District), Bob Wilson, (City of Santa Clara), John Ryan, (CH2MHill), David Wall (San José City Resident).

2. APPROVAL OF MINUTES

Minutes of October 8, 2009.

Motion by Committee member Moore and second by Committee member Gatto to accept the minutes of October 8, 2009. Committee Member Reed was not present.

3. UNFINISHED BUSINESS

4. CORRESPONDENCE

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.

Motion by Committee Member Moore, seconded by Committee Member Gatto to accept the report.

6. AGREEMENTS

- A. Technical Committee Recommendation (Handout)

Motion by Committee Member Mahan, seconded by Committee Member Moore to accept the Technical Committee Recommendation.

B. Agreements – TPAC Recommendation for Approval Requested

The following item is scheduled to be approved by the San Jose City Council on November 17, 2009:

1. Adopt a resolution authorizing the City Manager to negotiate and execute the Sixth Amendment to the construction service agreement with City of Santa Clara for the South Bay Water Recycling Program, revising the approved project list, increasing the maximum amount payable by \$3,000,000 to a total maximum amount not to exceed \$30,600,000 and extending the term of the agreement by eighteen months to December 31, 2011.

Motion by Committee Member Nguyen, seconded by Committee Member Campos to accept Item 6.B.1. Committee Member Gatto voted no.

2. Adopt the following Appropriation Ordinance and Funding Sources Resolution amendments in the San José-Santa Clara Treatment Plant Capital Fund:
 - a. Increase the appropriation to the Environmental Services Department for the Revised South Bay Action Plan – SBWR Extension by \$3,410,000; and
 - b. Decrease the Ending Fund Balance by \$3,410,000.
3. Award the purchase of office furniture to Western Contract Interiors (San Jose, CA) for a total amount not to exceed \$298,477, including delivery, assembly, installation and all applicable sales taxes, based upon a previously awarded bid that contained additional quantity pricing, and authorize the Director of Finance to:
 - a. Execute purchase orders as required to meet the Environmental Services Department Water Pollution Control Plant's (Plant) timeline for staff relocation to the Environmental Services Building located at 4245 Zanker Road; and
 - b. Approve a contingency in the amount of \$29,848 for any unforeseen changes or requirements

Motion by Committee Member Nguyen, seconded by Committee Member Campos to accept Items 6.B.2 (a & b), and 6.B.3 (a & b).

C. Agreements – TPAC Recommendation for Approval Requested

The following items are scheduled to be approved by the San Jose City Council on December 1, 2009:

1. Adoption of a resolution authorizing the Director of Finance to execute a continuation of and first amendment to the agreement between the City of

San Jose and First Alarm Security & Patrol to extend the initial twelve (12) month agreement term for security guard services an additional four (4) months through January 31, 2010, and to increase compensation by \$60,000 for a not-to-exceed amount of \$248,130.

Motion by Committee Member Mahan, seconded by Committee Member Moore to accept Item 6.C.1.

D. Informational Items – TPAC Item Previously Recommended for Approval

The following items were approved by the San Jose City Council on October 6, 2009:

1. Adoption of a resolution authorizing the Director of Environmental Services to:
 - a. Award the Contract for the Arzino Ranch Demolition Project to the lowest responsive bidder in an amount not to exceed \$506,000, and approve a ten percent construction contingency, subject to the concurrence of the Treatment Plant Advisory Committee; and
 - b. Hear and decide any timely bid protest(s), to make the City's final determination as to lowest responsive and responsible bidder, or to reject all bids and re-bid the project.
2. Adoption of a resolution approving the Arzino Ranch Demolition Project and incorporating environmental mitigation measures as set forth in the Mitigation Monitoring and Reporting Program (MMRP) for the project.

E. Informational Item – TPAC Item Previously Recommended for Approval

The following items were approved by the San Jose City Council on October 20, 2009.

1. Adopt a resolution authorizing the City Manager to negotiate and execute an agreement with the Santa Clara Valley Water District (District) for cost sharing associated with water conservation programs in FY 2009-2010, under which the City will receive an amount not to exceed \$205,000 and the City will pay the District an amount not to exceed \$500,000 for a net cost to the City of \$295,000.
2. Approval of an amendment to the agreement with Mobile Modular Management Corporation to:
 - a. Extend the term of the agreement by six months to July 12, 2010, and Increase the total maximum amount of compensation from \$98,856.93 to \$122,322.69
3. Adopt a resolution:

- a. Authorizing the Director of Environmental Services to execute a first amendment to the New Construction of Various Equipment 2008-2009 Contract with Anderson Pacific Engineering and Construction Inc. to:
 1. Change the contract term from a one year term with the option of two additional one year terms to a two year contract term.
 2. Modify the compensation to enable the payment of the total contract amount up to \$1,450,930.00 over a two year term instead of paying the total contract amount over a one year term with two optional one year terms

Motion by Committee Member Campos, seconded by Committee Member Gatto to accept Informational Items 6.D.1&2, 6.E.1-3.

7. MISCELLANEOUS

- A. The next TPAC meeting will be Thursday, December 10, 2009, at 4:30 p.m. City Hall, Environmental Services, 10th Floor, Room 1047.

8. PUBLIC COMMENT

David Wall commented on Zanker Road status.

10. ADJOURNMENT

- A. The Treatment Plant Advisory Committee adjourned at 4:45 p.m.

Chuck Reed, Chair
Treatment Plant Advisory Committee



Memorandum

TO: TREATMENT PLANT
ADVISORY COMMITTEE

FROM: John Stufflebean

SUBJECT: McCARTHY PROPERTY

DATE: 12-03-09

Approved

Date

This memorandum responds to the request made by the Treatment Plant Advisory Committee at its October 2009 meeting for information regarding the Plant's interests in the McCarthy Property in Milpitas. Specifically, the Committee asked staff and the City Attorney's Office to respond to the following questions:

1. What rights did the Plant purchase and what was the purchase price? What would the rights be worth now if the Plant were to agree to release the rights?
2. What is the potential for monetary liability to homeowners for damages if development is allowed to occur before the solar drying operation is discontinued?
3. What is the impact on the water recycling project that we are trying to get done, if we try to move forward now with discontinuing the solar drying operation at the same time? Does there need to be prioritization, or can we do both? What are the potential rate increases associated with doing these projects separately at the same time?
4. Could an assessment district be formed on the McCarthy property to provide a funding source for all or a portion of the costs associated with discontinuing the solar drying operation? Is there some way to shift costs associated with that project to the developer or either the developer or the homeowners over time, for a portion of the cost, or must all of the costs be paid for through rates?

Written answers to questions 1 and 3 are provided below. The City Attorney's Office will provide verbal response at the TPAC meeting on questions 2 and 4.

Question 1. What rights did the Plant purchase and what was the purchase price? What would the rights be worth now if the Plant were to agree to release the rights?

As a result of a settlement agreement in 1998 between the City of San Jose and the McCarthy property owners, the City purchased a 50-year deed restriction (through 2048) on 140 acres of McCarthy Ranch property, to exclude "odor sensitive uses" (residential, lodging, or other such overnight uses.) The City's purchase also included a 6 acre strip of land located along Coyote Creek, and within 500 feet of the Plant's biosolids drying beds, including a house located on that property. The purchase price for the entire transaction was \$6 million and required the house to be leased back to McCarthy for a term of five years at \$800 per year for use by farm laborers working on McCarthy lands. The \$6 million purchase price was budgeted and paid for out of

Treatment Plant funds. The house is currently planned for demolition at a cost of \$200K due to its unsafe and poor condition. The current property zoning with the deed restrictions, allows the development of uses such as commercial, retail or industrial uses.

The City has not obtained an appraisal of the fair market value of the deed restriction or the 6 acre strip of land. However, the value of the deed restriction to the Plant is more than just the original \$6 million paid, because any valuation must consider the cost impact to the Plant of allowing residential so close to the biosolids drying area, while it is still in operation. The deed restriction was purchased to prevent residential development in such close proximity to the current open air dewatering and drying operation and staff continues to believe that residential use of such property is incompatible with the Plant's interest, as long as the open air operation is in use.

Plant Master Plan work to date indicates that the earliest timeframe for permanently changing the biosolids drying process is 10 to 12 years. Until that time, the Plant would continue to use open air drying for its biosolids and reuse the material as Alternate Daily Cover at the nearby Newby Island Landfill, where the Plant has a contract for reuse for the next 10 years, and it is anticipated that, subject to renegotiation with Newby Island, the Plant could continue with landfill disposal until the landfill closes or regulatory changes prevent use for biosolids as Alternate Daily Cover. It should be noted that if the deed restriction remains in place, the Plant would not need to begin planning to change the biosolids process due to concern with conflicting residential uses for many years.

Current dewatering, drying and disposal of biosolids cost the Plant \$3.5 million/year. The Plant Master Plan project has assumed that open air drying will be phased out over the next 30 years. In response to the request from TPAC members on what it would cost to accommodate the request to release property restrictions sooner than the Master Plan time frame, staff has worked with the Plant Master Plan consultants to develop an alternative approach to discontinue open air dewatering and drying operations in a shorter, three to four year, time frame. This approach, which consists of contracting out the solids dewatering operation, is estimated to cost the Plant \$13 million per year for a period of 10 to 12 years. This approach represents a \$9.5 million per year increase in biosolids processing and reuse. The cost to the Tributary agencies would be in proportion to their O&M cost share agreement. It should also be noted that this would be an interim solution that has a life expectancy of 12 years. The Plant Master Plan consultants have given initial estimates of over \$500 million in capital costs alone to convert to a permanent alternative biosolids processing and disposal technology, with the earliest time frame for completing such conversion being 10 to 12 years.

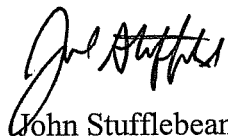
Question 3: What is the impact on the water recycling project that we are trying to get done, if we try to move forward now with discontinuing the solar drying operation at the same time? Does there need to be prioritization, or can we do both? What are the potential rate increases associated with doing these projects separately at the same time?

As indicated above, the Plant Master Plan project has assumed that open air drying will be phased out over the next 30 years. Given that biosolids technologies are still evolving and many

treatment plants in the Bay area and nation are facing significant and costly decisions regarding biosolids treatment and reuse options, a final cost analysis is not yet available for what future technologies may be needed. The current estimate for discontinuing open air solar drying is over \$500 million in capital costs alone with significant increases in operating costs. Pilot testing will be needed in order to determine the most efficient and cost-effective treatment technologies. Based on the current operations (4 year cycle in the drying beds), need for environmental review of alternatives, need for pilot testing and the significant cost, it will take a minimum of 10 to 12 years to discontinue solar drying. Acceleration of the project would incur the costs described above to accomplish discontinuation of the open air drying operation sooner and therefore result in higher operations and maintenance costs sooner.

The funding for the Plant's share of the Advanced Water Treatment Project of \$11 million has been allocated in the Plant's existing 5-year CIP. A new project to discontinue open air drying sooner than completion of the Plant Master Plan would need to be prioritized within the ongoing needs. Although San Jose does not set the sewer rates for the tributary agencies, the potential rate impact of the new project on San Jose rate payers would be significant and it is assumed the same would be true for the tributary agencies.

Staff will be prepared to respond to questions and concerns at the TPAC meeting on December 10, 2009. The City's Attorney Office will be verbally answering the legal questions on which the Committee requested information. For further information, please contact Dale Ihrke, Deputy Director, at 945-5198.



John Stufflebean

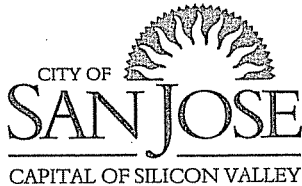
Director, Environmental Services

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

Oct 23, 2009 - November 23, 2009

Description of Contract Activity ¹	Fiscal Year	Req#/ RFP#	PO#	Vendor/Consultant	Original \$ Amount	Start Date	End Date	Additional \$ Amount	Total \$ Amount
Office Furniture	FY09-10	10767	74833	Western Contract Interiors	\$462,000				
Office Furniture	FY09-10	10768	74833	Western Contract Interiors	\$132,880				
PSC Industrial Outsourcing	FY09-10	11360		PSC Industrial Outsourcing	\$140,000				

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)



Environmental Services Department

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT

November 25, 2009

TO: Treatment Plant Advisory Committee

SJ: Tributary Agencies Available Plant Capacity - 2009

The Master Agreements require that the Treatment Plant Advisory Committee file annually with the legislative bodies of San Jose, Santa Clara and member agencies a report on plant capacity. The attached report, Tributary Agencies Available Plant Capacity - 2009, has been prepared to satisfy this requirement and to identify each agency's 2009 plant capacity as well as available (unused) capacity.

It is recommended that the Treatment Plant Advisory Committee approve the attached report.

Sincerely,

John Stufflebean
Director
Environmental Services Department

Attachment

**CITY OF SAN JOSE
ENVIRONMENTAL SERVICES DEPARTMENT
SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
TRIBUTARY AGENCIES' AVAILABLE PLANT CAPACITY - 2009**

November 2009

**CITY OF SAN JOSE
ENVIRONMENTAL SERVICES DEPARTMENT
SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT**

TRIBUTARY AGENCIES' AVAILABLE PLANT CAPACITY - 2009

This analysis was prepared to comply with the terms of the Master Agreements which require that the operational capacity and productive use of the treatment plant be determined annually. Tables I through IV contain the Plant Capacity, the 2009 Peak Week (5-day average) Flow, and the Remaining Available Capacity for the entire plant and for each individual member for 2009.

2009 PLANT CAPACITY

The nominal capacity of the treatment plant during the 2009 peak week is 167 MGD. The agencies' capacity rights in the 167 MGD plant are shown on Tables I through IV and were determined in accordance with the provisions of the Master Agreements.

2009 PEAK WEEK FLOW

The 2009 peak dry weather flow of 120.96 MGD occurred during the week of October 12 - 16. Tables I through IV contain the agencies' flow and loadings for the 2009 peak week which were obtained from the following sources:

- WEST VALLEY SANITATION DISTRICT - Wastewater Flow Report dated 8/5/09, submitted by the District.
- CUPERTINO SANITARY DISTRICT - Metered Flow Reports.
- CITY OF MILPITAS - Metered Flow Reports.
- COUNTY SANITATION DISTRICT 2-3 - 2009-2010 Revenue Program.
- BURBANK SANITARY DISTRICT - 2009-2010 Revenue Program.
- SUNOL SANITARY DISTRICT - Wastewater Flow Report dated 8/30/09, submitted by the District.
- CITY of SAN JOSE and CITY of SANTA CLARA - The 2009 Peak Week flow and loadings remaining after subtracting the other agencies' reported flows and loadings are attributed to San Jose and Santa Clara as joint owners of the facilities. These were allocated, in accordance with the 1959 Agreement, to the two cities based on current assessed valuation ratios of 83.183% for San Jose and 16.817% for Santa Clara.

2009 AVAILABLE CAPACITY

The Agencies' peak week flows and loadings were subtracted from their capacities in the 167 MGD plant to obtain their 2009 available capacities.

TABLE I

**CITY OF SAN JOSE
ENVIRONMENTAL SERVICES DEPARTMENT
SAN JOSE/SANTA CLARA WATER POLLUTION PLANT
TRIBUTARY AGENCIES' AVAILABLE PLANT CAPACITY - 2009**

FLOW

Agency		2009 Plant Capacity MGD	2009 Peak Week Flow MGD	Available Capacity MGD
San Jose	83.183%	108.620	77.881	30.739
Santa Clara	16.817%	21.959	15.745	6.214
Subtotal	100.000%	130.579	93.626	36.953
West Valley Sanitation District	(1) (3)	12.052	10.285	1.767
Cupertino Sanitary District	(4)	7.850	5.092	2.758
City of Milpitas	(3) (4)	14.250	10.042	4.208
County Sanitation District 2-3	(2)	1.519	1.519	0.000
Burbank Sanitary District		0.400	0.303	0.097
Sunol Sanitary District		0.350	0.093	0.257
Subtotal		36.421	27.334	9.087
Total		167.000	120.960	46.040

(1) Reflects transfer of capacity from West Valley Sanitation District to San Jose/Santa Clara resulting from annexations as of June 2009.

(2) In January 1985, County Sanitation District 2-3 entered into an agreement with the Cities of San Jose and Santa Clara, as joint owners of the plant, electing not to participate in a fixed capacity. Capacity is determined annually in accordance with the methods and restrictions prescribed in the agreement.

(3) Reflects transfer of capacity from West Valley Sanitation District to Milpitas in July 2006.

(4) Reflects transfer of capacity from Cupertino to Milpitas in January 2009.

TABLE II

CITY OF SAN JOSE ENVIRONMENTAL SERVICES DEPARTMENT SAN JOSE/SANTA CLARA WATER POLLUTION PLANT TRIBUTARY AGENCIES' AVAILABLE PLANT CAPACITY - 2009				
BOD				
Agency		2009 Plant Capacity KLBS/D	2009 Peak Week Flow KLBS/D	Available Capacity KLBS/D
San Jose	83.183%	384.548	245.272	139.276
Santa Clara	16.817%	77.744	49.586	28.158
Subtotal	100.000%	462.292	294.858	167.434
West Valley Sanitation District (1) (3)		29.283	22.849	6.434
Cupertino Sanitary District (4)		16.419	12.573	3.846
City of Milpitas (3) (4)		27.249	24.955	2.294
County Sanitation District 2-3 (2)		3.143	3.143	.000
Burbank Sanitary District		.815	.624	.191
Sunol Sanitary District		1.799	.218	1.581
Subtotal		78.708	64.362	14.346
Total		541.000	359.220	181.780
<p>(1) Reflects transfer of capacity from West Valley Sanitation District to San Jose/Santa Clara resulting from annexations as of June 2009.</p> <p>(2) In January 1985, County Sanitation District 2-3 entered into an agreement with the Cities of San Jose and Santa Clara, as joint owners of the plant, electing not to participate in a fixed capacity. Capacity is determined annually in accordance with the methods and restrictions prescribed in the agreement.</p> <p>(3) Reflects transfer of capacity from West Valley Sanitation District to Milpitas in July 2006.</p> <p>(4) Reflects transfer of capacity from Cupertino to Milpitas in January 2009.</p>				

TABLE III

**CITY OF SAN JOSE
ENVIRONMENTAL SERVICES DEPARTMENT
SAN JOSE/SANTA CLARA WATER POLLUTION PLANT
TRIBUTARY AGENCIES' AVAILABLE PLANT CAPACITY - 2009**

SUSPENDED SOLIDS

Agency	2009 Plant Capacity KLBS/D	2009 Peak Week Flow KLBS/D	Available Capacity KLBS/D	
San Jose	83.183%	340.879	215.055	125.824
Santa Clara	16.817%	68.915	43.477	25.438
Subtotal	100.000%	409.794	258.532	151.262
West Valley Sanitation District (1) (3)		27.812	19.648	8.164
Cupertino Sanitary District (4)		16.299	10.145	6.154
City of Milpitas (3) (4)		25.990	15.314	10.676
County Sanitation District 2-3 (2)		3.123	3.123	.000
Burbank Sanitary District		.853	.611	.242
Sunol Sanitary District		2.129	.177	1.952
Subtotal		76.206	49.018	27.188
Total		486.000	307.550	178.450

(1) Reflects transfer of capacity from West Valley Sanitation District to San Jose/Santa Clara resulting from annexations as of June 2009.

(2) In January 1985, County Sanitation District 2-3 entered into an agreement with the Cities of San Jose and Santa Clara, as joint owners of the plant, electing not to participate in a fixed capacity. Capacity is determined annually in accordance with the methods and restrictions prescribed in the agreement.

(3) Reflects transfer of capacity from West Valley Sanitation District to Milpitas in July 2006.

(4) Reflects transfer of capacity from Cupertino to Milpitas in January 2009.

TABLE IV

**CITY OF SAN JOSE
ENVIRONMENTAL SERVICES DEPARTMENT
SAN JOSE/SANTA CLARA WATER POLLUTION PLANT
TRIBUTARY AGENCIES' AVAILABLE PLANT CAPACITY - 2009**

AMMONIA

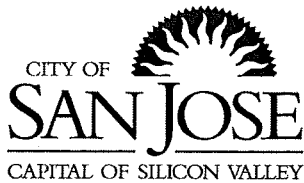
Agency		2009 Plant Capacity KLBS/D	2009 Peak Week Flow KLBS/D	Available Capacity KLBS/D
San Jose	83.183%	33.696	19.559	14.137
Santa Clara	16.817%	6.812	3.954	2.858
Subtotal	100.000%	40.508	23.513	16.995
West Valley Sanitation District	(1) (3)	2.914	2.510	.404
Cupertino Sanitary District	(4)	2.287	1.234	1.053
City of Milpitas	(3) (4)	2.847	1.923	.924
County Sanitation District 2-3	(2)	.423	.423	.000
Burbank Sanitary District		.297	.085	.212
Sunol Sanitary District		.324	.022	.302
Subtotal		9.092	6.197	2.895
Total		49.600	29.710	19.890

(1) Reflects transfer of capacity from West Valley Sanitation District to San Jose/Santa Clara resulting from annexations as of June 2009.

(2) In January 1985, County Sanitation District 2-3 entered into an agreement with the Cities of San Jose and Santa Clara, as joint owners of the plant, electing not to participate in a fixed capacity. Capacity is determined annually in accordance with the methods and restrictions prescribed in the agreement.

(3) Reflects transfer of capacity from West Valley Sanitation District to Milpitas in July 2006.

(4) Reflects transfer of capacity from Cupertino to Milpitas in January 2009.



Memorandum

TO: TRANSPORTATION &
ENVIRONMENT COMMITTEE

FROM: John Stufflebean

SUBJECT: PLANT MASTER PLAN
UPDATE – December 2009

DATE: 11-18-09

Approved

Date

11/20/09

RECOMMENDATION

Accept this progress report highlighting activities since March 2009 on the Master Plan for the San Jose/Santa Clara Water Pollution Control Plant (Plant) and recommend that this progress report be placed on the January 12, 2010 Council Agenda for discussion.

OUTCOME

Acceptance of this report will allow staff to continue on course with the planned Plant Master Plan activities.

BACKGROUND

In November 2007, the Environmental Services Department (ESD) embarked on a three-year process to develop a 30-year Master Plan for the Plant, which serves the homes of 1.4 million residents and roughly 17,000 commercial/industrial sewer connections across eight cities and unincorporated County pockets. The cities include San José, Santa Clara, Milpitas, Cupertino, Los Gatos, Saratoga, Campbell, and Monte Sereno. The Master Plan will chart a course to continue the Plant's success in protecting the public health and environment and supporting the region's economy. It will address the infrastructure needs of the 53-year old facility as well as odor control issues, flood protection, new regulations, and possible new land uses for portions of the Plant's 2,600-acre property.

The Plant Master Plan process integrates the following three aspects:

- 1) Technical options evaluation – to develop liquids and solids treatment options that meet future population and regulatory demands, and that incorporate green technology and renewable energy options.
- 2) Land use scenario evaluation – to conduct a site analysis to consider future economic development, environmental, and public uses of the Plant lands.

- 3) Community and stakeholder engagement – to obtain community and stakeholder input into the Master Plan process.

ANALYSIS

Since staff last reported to the T&E Committee on the Plant Master Plan in March 2009, the following activities have taken place:

Technical Evaluation

Based on projections and information from the scenarios included in the Envision San Jose 2040 General Plan update and other sources, the consultant team completed a detailed evaluation of the Plant's ability to handle future flows and loads as well as potential future regulatory requirements. The consultant team has narrowed the technical options for liquids and solids treatment, as well as optimization of energy production and use based on these findings. Each treatment option must pass a "fatal-flaw" analysis based on meeting future regulatory requirements and proven feasibility at large wastewater treatment plants.

Liquids: The current liquids treatment process consists of screening out large debris; grit removal; solids and grease removal in the primary settling tanks; pollutant removal through biological secondary treatment; advanced/tertiary treatment for recycled water and bay discharge by filtration through coal and sand filters; and disinfection using chlorine. Due to the capacity and condition of the infrastructure already in place, the consultant team has confirmed that the first four of these steps are still the most cost effective and efficient treatment technologies for the future flows as well as regulatory requirements that are anticipated. As a result, future liquids treatment projects in these areas will focus on repair and rehabilitation of the existing infrastructure, some of which has been in operation since 1956. For the last two steps of the liquids treatment process, filtration and disinfection, the current condition of the existing infrastructure and changes in technology will likely drive the Plant towards investing into alternate technologies. The type and extent of these additional investments will depend on the quantity and quality requirements of recycled water for the future as well as future discharge requirements for emerging pollutants of concern.

Solids: Solids separated as part of the above treatment processes (biosolids) are currently treated using the following steps: Concentrating and thickening through dissolved air floatation; stabilization and reduction by anaerobic digestion, (a process that produces biogas as one of the by-products which is used at the Plant for energy production); further stabilization and thickening in lagoons; drying in open air drying beds; and reuse/disposal as alternative daily cover at the neighboring Newby Island Landfill.

The Plant faces a number of challenges in the area of solids treatment and disposition:

- **Cost and Land Use:** Although it is one of the least costly alternatives, lagoon thickening and open air drying can be a source of significant off-site odors. In addition, this process uses

about 800 acres of Plant lands, which is not believed not to be the land's highest and best use. Any new option, however, will require significant capital investments and higher operating costs.

- **Infrastructure Condition:** Currently, five of the sixteen digesters are out of service due to aging infrastructure. Advances and current developments in digestion technologies over the last decade present unique opportunities to further maximize the energy output from the digesters.
- **Landfill Closure and Regulatory Changes:** Nationwide, landfills are closing and wastewater facilities are faced with dwindling options for biosolids treatment and disposal or reuse. Further regulatory requirements could ban disposal or reuse at landfills in the next few decades. Newby Island Landfill which currently accepts the biosolids for reuse to cover garbage is slated to close within the next 20 years.

Public perception and concerns will play a key role in the choice of our future reuse methods, whether we opt for thermal destruction (which may have energy-production benefits), land application, or other yet to be developed options. Given these complexities, the consultant team is focusing on developing those options that provide the most energy, flexibility, and environmental sustainability for beneficial reuse.

Energy: Aeration of wastewater in secondary treatment and pumping of the wastewater through the processes make the Plant an energy-intensive facility, with an average energy usage of approximately 12 megawatt, or the equivalent of powering 10,000 homes. Two-thirds of this energy is from renewable sources, i.e. from the digester gas produced at the Plant and landfill gas supplied by the Newby Island Landfill.

For both liquids and solids, the consultant team analyzed treatment options with the dual goals of maximizing renewable energy production while minimizing energy use. Increases in energy production with solar and other renewable technologies, and improved efficiency in digester gas collection and combustion will help the Plant achieve the goal of becoming energy self sufficient. Planning for several energy related projects is already underway including digester upgrades, a grease receiving station, optimization of the aeration process to reduce energy usage, advanced automation of the treatment processes, and installation of fuel cells and solar energy generators as renewable energy sources. Future investments in the areas of energy production and energy conservation are expected to be significant but with an attractive returns on investment, and could possibly offset other Plant operating expenses.

Technical Advisory Group Convenes for Second Time

On October 1, 2009, the project's independent Technical Advisory Group (TAG), composed of wastewater and energy experts, met to review the major planning assumptions, validate the approach, and provide additional insights based on their broad national and international experience. TAG confirmed:

- Project projections, planning parameters, strategy for managing peak flows, and depiction of future regulatory requirements are on course;

- Existing filters that are part of tertiary treatment must be replaced;
- Addressing biosolids treatment will necessitate a major investment (similar to treatment plants nationwide); and
- Pilot testing is essential to incorporating and adapting new technologies to the specificities of our facility as well as being the best insurance against operational failure and wasted financial investment.

The TAG's recommendations will be reflected in the development of final treatment alternatives and related capital improvement program.

Land Use Alternatives Development

Through the technical evaluations, a future footprint of the Plant is being defined. Based on this future footprint, the consultant team has been further refining the land use concepts from the first land use workshop in January 2009 to begin development of land use alternatives.

Land Use Analysis: The consultant team is using input from the first land use workshop attended by City and Tributary agency staff, the outcome of the community workshop on May 16, 2009, survey data from the public tours and Web site, as well as the information gathered from our agency partners over the summer and fall to develop preliminary land use alternatives for discussion at a second staff-level workshop scheduled for December 2009. Economic analysis, including job generation and revenue to the City, the Tributary Agencies, and the region, will be major components of the potential alternatives along with environmental and social sustainability. The purpose of the workshop is to review and comment on the preliminary land use alternatives and to develop a recommended vision and principles guiding future use of the site. The land use alternatives will then be refined and presented to the public in spring 2010.

Sea-Level Rise Analysis: The consultant team performed an analysis of the likely impact of sea-level rise on the Plant site. Nearly all of the Plant's land, including the operations area and biosolids treatment area, would be flooded by the South San Francisco Bay (Bay) under all sea-level rise projections. Protecting the facility's ability to continue to treat the region's wastewater will be a central component of the Master Plan.

Regulatory and Resource Agency Input: Due to the proximity of the Plant lands to the Bay and its location between the Coyote Creek and Guadalupe River, several regulatory agencies have jurisdiction over the Plant lands and its surroundings. City staff and the consultant team have met with these regulatory and resource agency stakeholders, including, the U.S. Army Corps of Engineers, the Santa Clara Valley Water District, the California Coastal Conservancy, the Regional Water Quality Control Board, the California Department of Fish and Game, the Bay Conservation and Development Commission, and the U.S. Fish and Wildlife Service to provide updates on the project status and discuss assumptions with respect to land uses, particularly for Pond A18 (the 860-acre former salt production pond).

Complementary Interim Land Uses: Staff working on the Plant Master Plan project has been providing input into the development of a proposed biogas facility and advanced water treatment

plant on Plant lands to ensure consistency between this interim development and the larger Master Plan.

Public Outreach Activities

Public Outreach activities since March 2009 included the following:

To support formation and evaluation of alternatives:

May 16 Community Workshop: The May 16, 2009, workshop, held at the Plant, was the first of the annual public engagement workshops to be conducted over the three year master planning process. At this first workshop, more than 100 participants took a Plant tour, followed by an open house, project presentation, and public input session. Thirteen members of the Community Advisory Group (CAG) and 84 members of the public submitted their input through an interactive public values survey. The workshop was publicized in the Plant service area through newspaper advertisements, fliers at local events and point-of-service counters, email notifications, Web sites, newsletter articles, group presentations, television bulletin screens, and direct mail letters. Workshop content and simultaneous translation was made available in Spanish, Vietnamese, and Chinese. The attached Community Workshop #1 Summary Report provides details on the input collected at this workshop. Subsequent annual public meetings are envisioned as a series of workshops in the service area, not just one meeting at the Plant.

Values survey: Nearly 1,100 surveys from participants at the Community Workshop in May and tours throughout the summer have been collected as of October 24, 2009. Additional surveys will be collected during the extended tour season, and a final report will be developed after tours conclude at the end of November. The survey provided input into what the public values when considering land uses for the Plant site. Preliminary results indicate that the public would value making the Plant site a place people want to visit with a variety of land uses.

To raise public awareness:

Plant Tours: More than 65 Wonders of Our Water Works bus tours were conducted between May and October, 2009. More than 1,800 people, including residents, businesses, non-profit members, Council members and staff, and students have toured the Plant this tour season. Due to the high volume of public requests, the tour season was extended by four additional weekends allowing an additional 600 community members to attend a tour. Final tour statistics will be available after the season ends on November 21, 2009. Attendance so far this year brings the total number of people who have toured the Plant since 2008 to over 5,000. Plant tours raise public awareness of the wastewater treatment plant and gather input for the development of the Plant Master Plan.

Web Site: The project Web site, www.sanjoseca.gov/esd/plantmasterplan, was launched in April 2009. The site describes the Plant and its functions along with explaining the goals of the Plant Master Plan. It depicts the public involvement opportunities, including CAG information, Plant tour reservation forms, event calendar, option to join the mailing list, public input values survey,

and project resources, such as fact sheets, media coverage, and project reports and presentations. Since inception, the Web site has received 49,180 page hits, 70 new database contacts, and multiple inquiries. The majority of tour reservations have been submitted through the Web site form.

Media Coverage: Staff pitched stories to local media to secure coverage of the Plant Master Plan project and to help drive attendance at the community workshop. Coverage included:

- *Print* – Newspaper stories since last March included a full-feature cover story on the Plant and its functions in the May 20, 2009 *Metro*; three articles on the Plant Master Plan and community workshop in the *Mercury News*, *Milpitas Post*, and *Silicon Valley Community Newspapers* in mid-May; an article on the Plant tours in *Silicon Valley Community Newspapers* in late May; and a *Mercury News* story on land use at the Plant in July. In July, the *Business Journal* included a special insert on water infrastructure, which included the Plant.
- *TV* – In mid-August, ESD Director John Stufflebean appeared in a six-minute segment on Bay Area People with Rosy Chu (KTVU Channel 2) as she interviewed him about the Plant tours. The Plant was also included in a production by KQED/KTEH Public Television with filmmaker Ron Blatman in the documentary, *Saving the Bay*, four one-hour episodes about the history of San Francisco Bay, narrated by Robert Redford.
- *Radio* – ESD staff provided a brief interview to KCBS in July
- *Blogs* – A number of blogs picked up the story of the federal Environmental Protection Agency's announcement of the Plant being the nation's fourth-place leader in onsite alternative energy production and use.

Liquid Assets: Liquid Assets: The Story of Our Water Infrastructure, is a documentary on the infrastructure needs for water/wastewater across America. Staff secured air times on the San José Cable Channel and Cupertino Cable Channel to promote awareness of infrastructure issues, particularly in light of rebuilding the Plant. The 90-minute film is produced by Penn State Public Broadcasting.

To engage ratepayers and stakeholders:

Community Advisory Group (CAG): The Community Advisory Group participated in the first community workshop and launched a work plan for 2009-10. At the May 16 Community Workshop #1, CAG responses were tracked separately from the broader group, as their input is considered a benchmark throughout the entire Plant Master Plan process. CAG finalized a work plan to outline their upcoming meetings and discussion topics through May 2010. The work plan was designed to educate CAG of important project constraints and opportunities so that they can submit informed input about the Plant Master Plan alternatives in spring 2010. For more information, see the attached 09-10 CAG Work Plan.

Pollution Prevention Week: Plant Master Plan staff participated in Pollution Prevention Week activities and hosted a booth highlighting the Plant and Plant Master Plan.

Stakeholder Tours:

Business Tours: Staff sent invitations and scheduled special stakeholder tours for business stakeholders in late October and November. In addition, staff presented to businesses with discharge permits at the Plant and conducted a tour as part of a training held at the Plant by the Building Owners and Managers Association (BOMA).

Council and Council Staff: In July, Council staff from Districts one, four, five, seven, eight, nine, and ten toured the Plant and received the Plant Master Plan presentation and public input questionnaire. In August, Council Member Nora Campos toured the Plant. Most Council districts promoted tours on their Web sites and through e-newsletters.

Speakers Bureau: Since the last T&E update, staff presented project updates to the Alviso Collaborative, the Milpitas City Council, the Industrial User Academy, the California Water Environment Association, the San Francisco Public Utility Commission Citizens Advisory Committee, the Alviso Rotary Club, and the Santa Clara Men's League. In addition, staff met with Calpine staff at the neighboring Critical Energy Facility to discuss the project, as well as regulatory and resource agencies as described above.

Next Steps

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

- **Technical Alternatives Development:** Based on the input from the Technical Advisory Group, staff and consultants will refine the technical alternatives through the spring of 2010.
- **Land Use Workshop #2:** City and tributary agency staff will review proposed land use alternatives, including an economic analysis, in early December, 2009. As a result of the workshop, land use alternatives will be developed for presentation to the public in the spring of 2010.
- **Implement CAG workplan.** CAG will meet monthly on a variety of topics per the attached workplan. An independent facilitator has been engaged to conduct the CAG meetings through spring 2010.
- **Awareness Campaign.** Staff is currently working to launch a public campaign throughout the Plant service area in late February. The goal is to create broader awareness of the Plant and its functions in protecting public health and the environment; stimulate public support for rebuilding the Plant; and create interest in attending the spring 2010 community workshops.
- **Community Workshops in Spring 2010.** A series of public workshops are planned for spring 2010 to present the technical and land use alternatives and collect feedback.
- **Survey.** A telephone survey to measure changes in public awareness of the Plant and wastewater system as well as to measure values as a result of the public outreach associated with the Plant Master Plan process is scheduled to be conducted in 2010, shortly after the community workshops.

EVALUATION AND FOLLOW UP

Staff will return to the T&E Committee prior to the April, 2010 community workshops to present a status update on the project and give an overview of the upcoming public workshops.

Evaluation of the alternatives based on multiple criteria will be discussed as part of the community workshops.

PUBLIC OUTREACH/INTEREST

- Criteria 1:** Requires Council action on the use of public funds equal to \$1 million or greater. **(Required: Website Posting)**

- 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. **(Required: E-mail and Website Posting)**

- 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. **(Required: E-mail, Website Posting, Community Meetings, Notice in appropriate newspapers)**

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 January 12, 2010 Council Agenda.

Engaging the general public and the many stakeholder groups is an essential component to developing the Plant Master Plan. The communications strategy for the Plant Master Plan was developed by City staff with input from the Master Plan Steering Committee and the Plant's Technical Advisory Committee. The tributary-wide Public Outreach Working Group, composed of staff from the cities and sanitation districts, has been giving input on the public outreach strategy since December 2007. The Community Advisory Group, scheduled to meet monthly over the next six months to cover specific planning challenges, will likewise share insights on public outreach.

COORDINATION

This report has been coordinated with the City Attorney's Office and is scheduled to be reported at the December 2009 Treatment Plant Advisory Committee meeting.

11-18-09

Subject: Plant Master Plan Update # 3

Page 9

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."



JOHN STUFFLEBEAN
Director, Environmental Services

For questions, please contact Bhavani Yerrapotu, Division Manager, Technical Support Services, ESD, at 945-5321.

cc: Agenda distribution for Treatment Plant Advisory Committee

Attachments:

- A. Community Workshop Summary Report
- B. CAG Workplan



Community Workshop #1

May 16, 2009

Summary Report

Amended October 2009

Plant Master Plan Outreach Team
Environmental Services Department
City of San José



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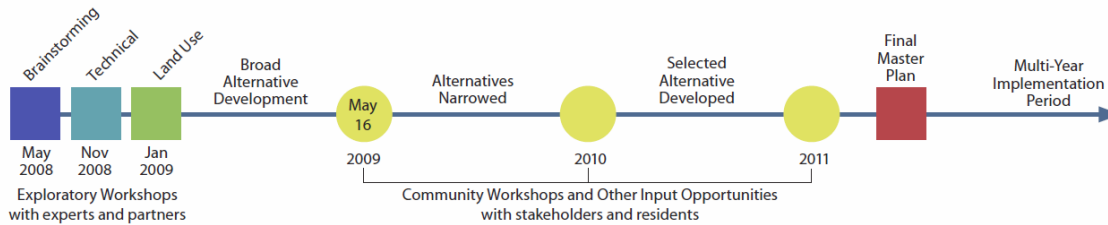
Plant Master Plan Community Workshop #1 Summary Report May 16, 2009

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Section 1

Workshop Overview

The May 16, 2009 workshop was the first of three planned community workshops to engage the public in the process of developing a final master plan for the San Jose/Santa Clara Water Pollution Control Plant (Plant). As shown in the timeline below, the Plant Master Plan involves a three-year process that began with a series of exploratory workshops to develop a set of alternatives for the Plant and site. In addition to the service area-wide community workshops, a robust public engagement process is offered that includes Plant tours, speaker presentations, stakeholder outreach, and an interactive project Web site.



The City of San José Environmental Services Department (ESD) hosted the first workshop at the San Jose/Santa Clara Water Pollution Control Plant. Over 100 participants took a Plant tour at 1:30 p.m., followed by an open house, project presentation, and public input session. [Thirteen Community Advisory Group \(CAG\)¹ members and 84 members of the public participated in the public input session.](#)

Project staff and CAG members answered questions and informally presented project information during the open house. Project display boards, brochures, and handouts were available for participants to view at their leisure.

Jennifer Garnett, ESD Communications Manager, hosted the presentation. Bruce Wolfe, San Francisco Bay Regional Water Quality Control Board Executive Officer, made opening remarks, and John Stufflebean, ESD Director, delivered a 30-minute overview, using a PowerPoint slideshow, which was followed by an open question and answer session with the audience.

After a short break, Julie Ortiz, facilitator, led an interactive public input session. Audience response keypads, or clickers, were individually distributed to each participant. A second PowerPoint slideshow presented attendees with a set of values-based questions, and clickers were used to select the option that resonated most with them. The responses were instantaneously compiled for participant viewing. CAG responses were tracked separately from the broader group, as their input is considered a benchmark throughout the entire Plant Master Plan process.

¹ The Community Advisory Group (CAG) was formed in fall 2008 to provide ongoing feedback and a community perspective throughout the three-year Plant Master Plan process. CAG members were appointed by the Plant's Technical Advisory Committee and are representative of all Plant service area cities – San José, Santa Clara, Milpitas, Cupertino, Campbell, Los Gatos, Monte Sereno and Saratoga. Members were selected to reflect a range of backgrounds in education, environment, business, recreation and community activism.



Comment cards were provided for participants to submit additional ideas and address issues not mentioned in the presentation.

For more information, visit www.sanjoseca.gov/plantmasterplan or email plantmasterplan@sanjoseca.gov.



Section 2

Public Input Summary

Participants answered a series of values questions using interactive clickers. Questions were organized by the Plant Master Plan goals. The facilitator verbalized the questions as they displayed on screens. Data was collected and tabulated instantaneously and the results are summarized below. Graphs captured CAG input separately, compared to the total collective group input. It should be noted that the participant feedback provides insight into the opinions and perceptions of over 100 workshop participants, but is not representative of the broader population.

Operational

- Almost three-fourths of participants and CAG members feel that making the Plant a place people want to visit and learn about is a good or excellent idea.
- Over half of participants and two-thirds of CAG members feel some architectural elements visible to the community should be emphasized.

Economical

- About half of participants and three-fourths of CAG members feel it is a fair or good idea to emphasize developing clean tech businesses on the site.
- Almost two-thirds of participants and half of CAG members feel it is an excellent idea to dedicate some of the site to solar panels for power generation for the Plant and community.
- Over half of participants and almost half of CAG members feel it is a poor idea to add retail development and entertainment on the site.

Environmental

- Almost half of participants feel some of the site should be dedicated for wildlife habitat, while almost two-thirds of CAG members feel a large majority of the site should be dedicated for wildlife habitat.
- Over half of participants and over two-thirds of CAG members feel recreating sloughs, creating ponds, or restoring wetlands on the site is an excellent idea.
- Over two-thirds of participants and almost all CAG members would use viewing platforms and other features that allow people to watch the wildlife and habitat.

Social

- About two-thirds of participants and three-fourths of CAG members would use trails for walking, biking or horseback riding on this site.
- Over half of participants and three-fourths of CAG members would not use sports fields on this site.
- About half of participants and CAG members would use water recreation on this site.
- Almost two-thirds of participants and CAG members feel developing an educational facility is a good or excellent idea.

Priorities

Participants indicated they would most like to see the site include community amenities such as an educational facility that draws more visitors. CAG indicated they would most like to see architectural features and aesthetic improvements on the site.

Participants encountered difficulties ranking the statements with the clicker technology. This question was repeated three times and data has a high margin of error. Following the workshop, this question was revised for better usability and use during the remainder of the public input collection period (see page 22).

Per discussion at the September 2009 CAG meeting, CAG members re-submitted their input using the revised question 15. Their results included:

Top preference (tie):

- Sustainable, "green" development on the site
- Recreational features such as trails, playing fields, or water activities

Least preference:

- Architectural features and aesthetic improvements

Evaluation

Almost all participants and all CAG members understand the need to rebuild the Plant, understand that new wastewater treatment methods allow for new land uses on the site, and would participate in future Plant Master Plan workshops or activities. About two-thirds of participants and over three-fourths of CAG members understand how their input will be used to shape alternative land use scenarios for the Plant site.

Public Input Incorporation

Additional public input opportunities are available through the 2009 Plant tour season, the Plant Master Plan Web site, and project presentations, upon request. Input will be collected through October 2009, using the same values questions presented at the workshop.

All input will be compiled into a final public opinion summary and will be used to develop evaluation criteria for the proposed land use alternatives at the Plant. Public input and expert consultation will determine the weight assigned to each aspect of the evaluation criteria. This process will produce a few land use alternatives for consideration for the final Plant Master Plan land use plan.

After the land use alternatives have been developed, opportunities will be provided for public input to continue to shape the final Plant Master Plan.

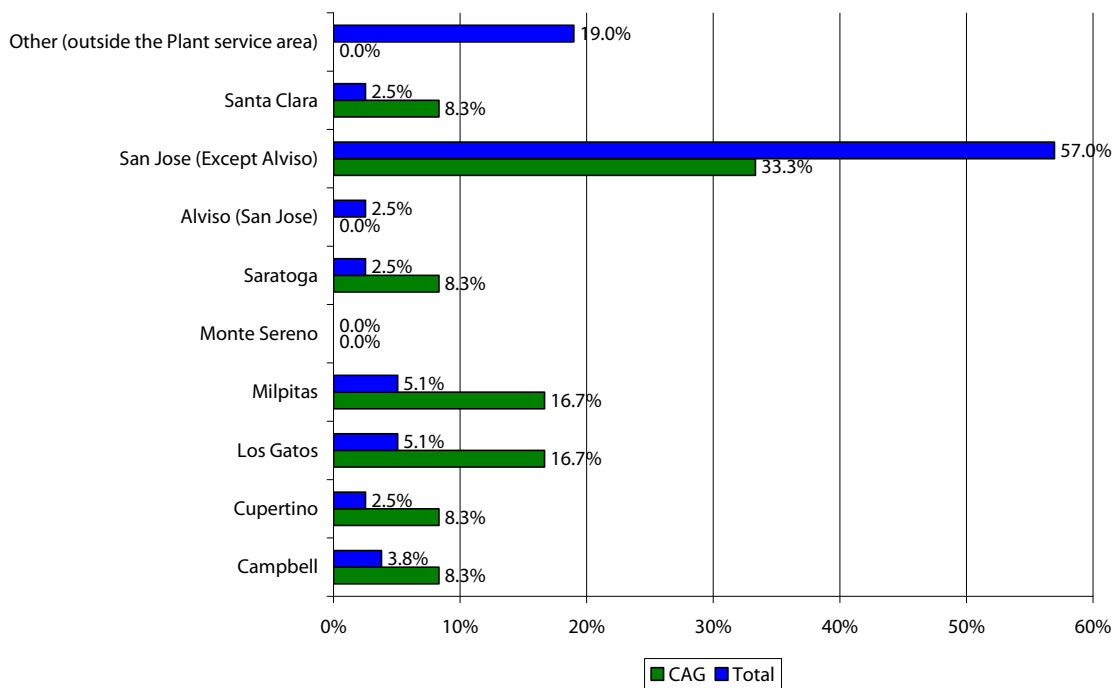
Section 3

Data: Questions & Responses

Q 1: What City/neighborhood do you live in?

- 1) Campbell
- 2) Cupertino
- 3) Los Gatos
- 4) Milpitas
- 5) Monte Sereno
- 6) Saratoga
- 7) Alviso (San Jose)
- 8) San Jose (except Alviso)
- 9) Santa Clara
- 0) Other (outside the Plant service area)

What City/neighborhood do you live in?

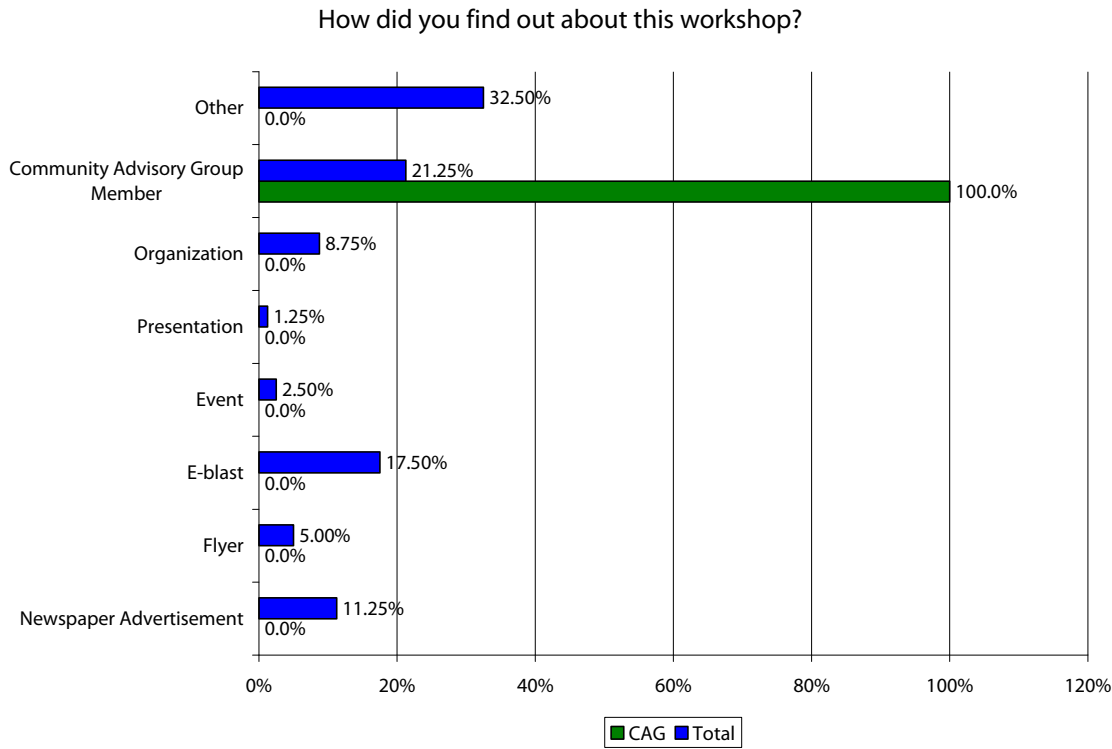


Number of participants for question 1:

- CAG = 12
- Total = 79

Q 2: How did you find out about this workshop?

- 1) Newspaper Advertisement
- 2) Flyer
- 3) E-blast
- 4) Event
- 5) Presentation
- 6) Organization
- 7) Community Advisory Group Member
- 8) Other



Number of participants for question 2:

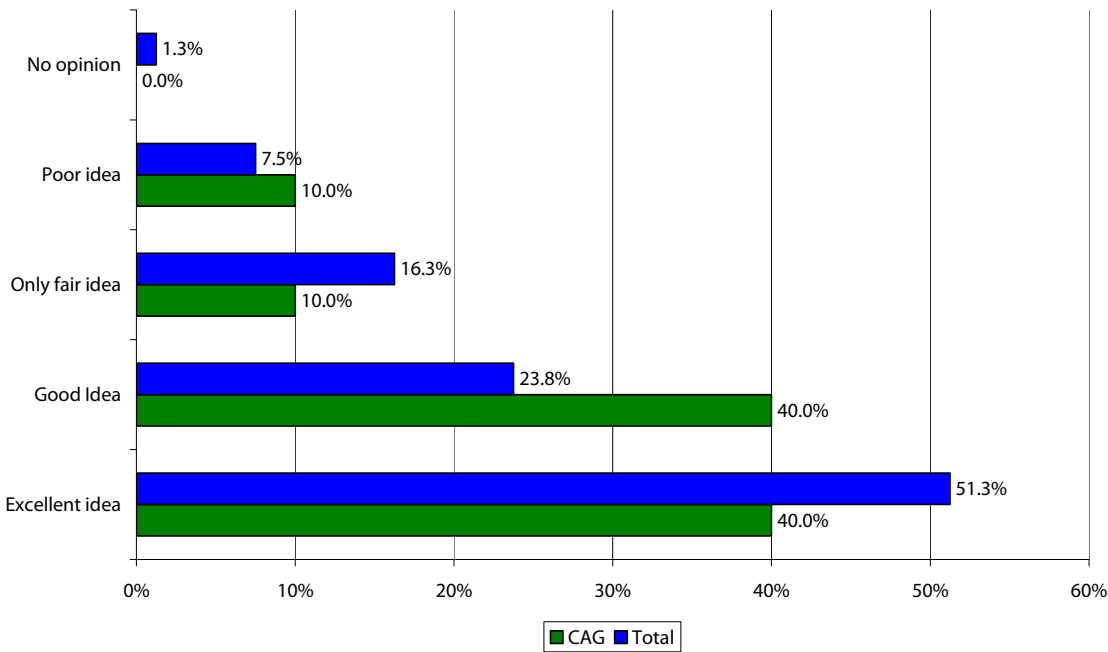
- CAG = 13
- Total = 80



Q 3: As part of upgrading the Plant, how do you feel about making it a place people want to visit and learn about, for example, including a visitors center?

- 1) Excellent idea
- 2) Good idea
- 3) Only fair idea
- 4) Poor idea
- 5) No opinion

As part of upgrading the Plant, how do you feel about making it a place people want to visit and learn about, for example, including a visitor center?



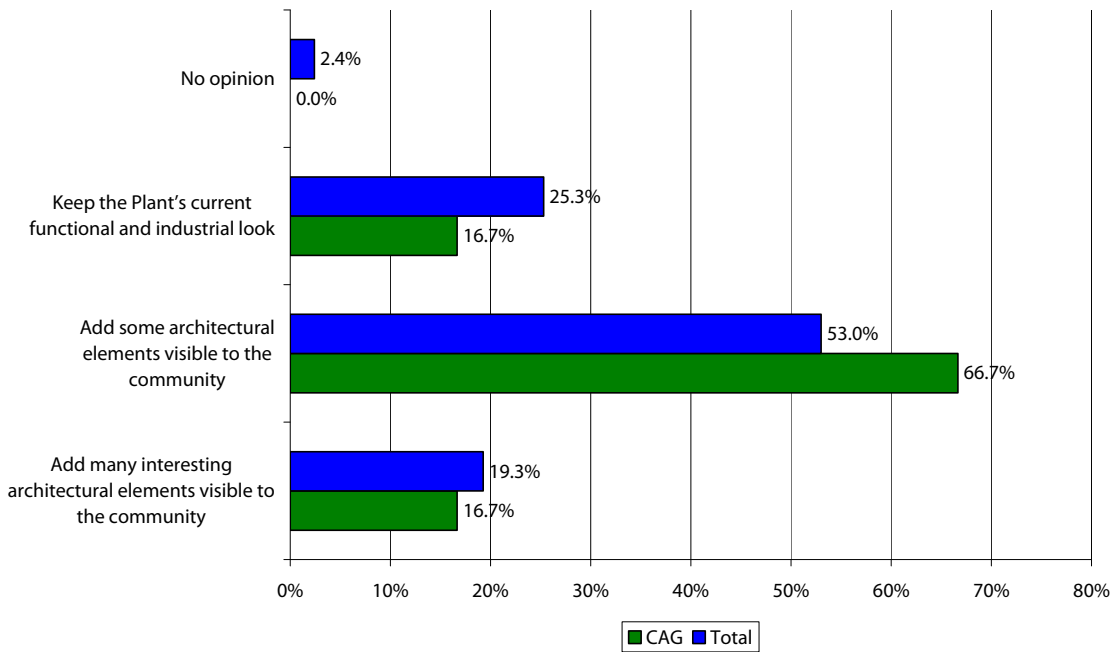
Number of participants for question 3:

- CAG = 10
- Total = 80

Q 4: How much emphasis should we put on how it looks in areas visible to the community?

- 1) Add many interesting architectural elements
- 2) Add some architectural elements
- 3) Keep the Plant's current functional and industrial look
- 4) No opinion

How much emphasis should we put on how it looks in areas visible to the community?



Number of participants for question 4:

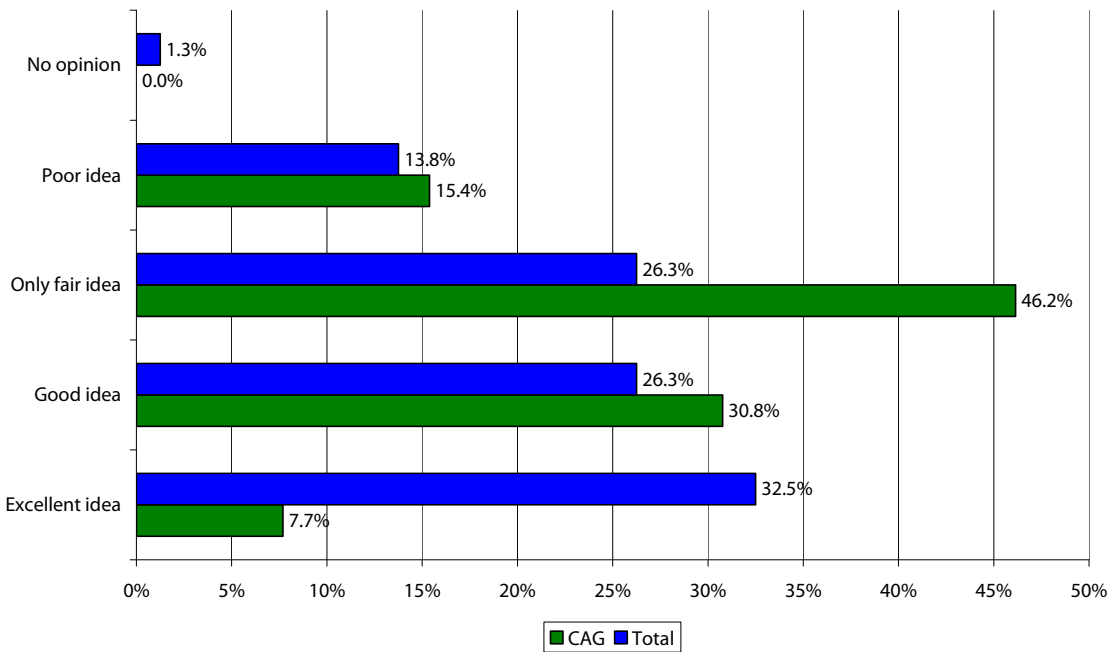
- CAG = 12
- Total = 83



Q 5: How important is it to emphasize developing clean tech businesses, such as those that make solar panels and electric cars, on the site?

- 1) Excellent idea
- 2) Good idea
- 3) Only fair idea
- 4) Poor idea
- 5) No opinion

How important is it to emphasize developing clean tech businesses, such as those that make solar panels and electric cars, on the site?



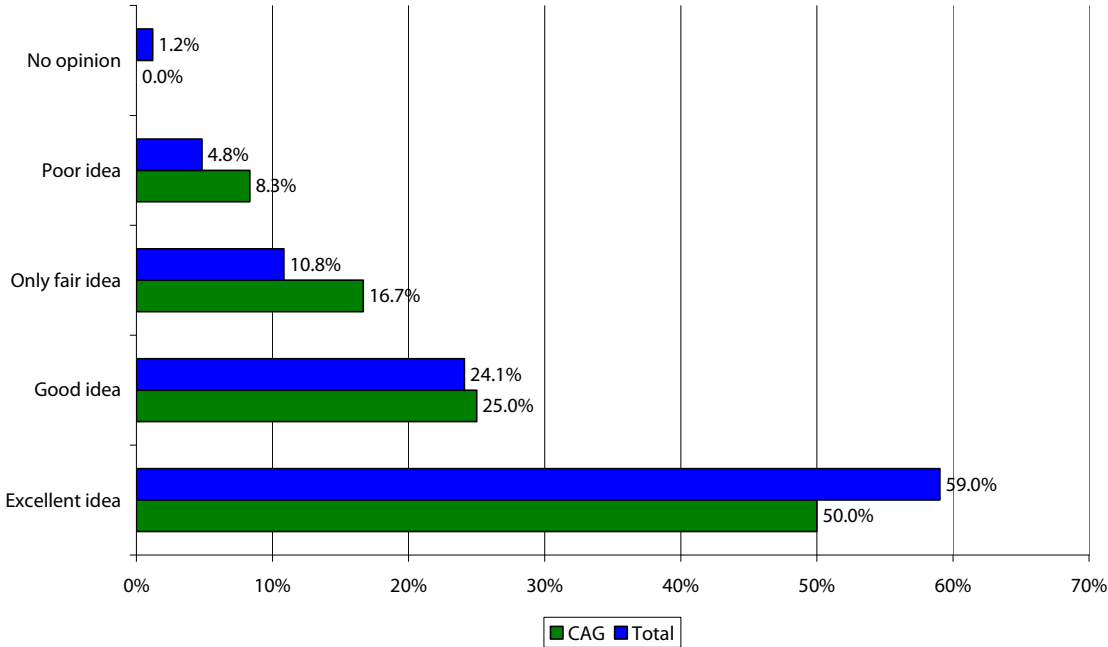
Number of participants for question 5:

- CAG = 13
- Total = 80

Q 6: How do you feel about dedicating some of the site to solar panels for power generation for the Plant and community?

- 1) Excellent idea
- 2) Good idea
- 3) Only fair idea
- 4) Poor idea
- 5) No opinion

How do you feel about dedicating some of the site to solar panels for power generation for the Plant and community?



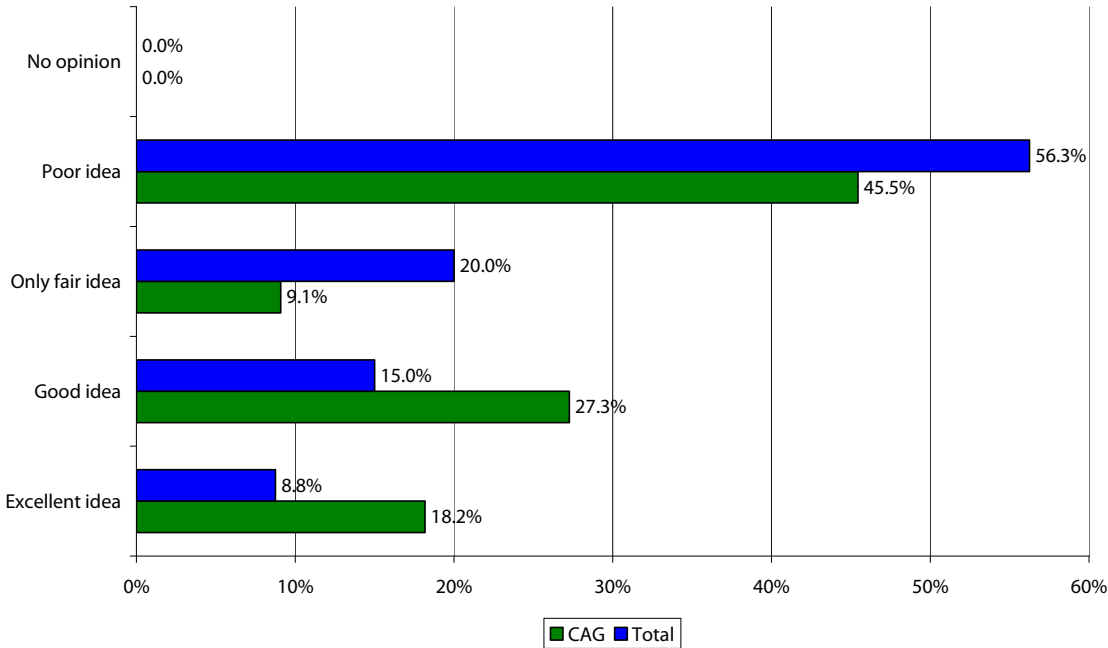
Number of participants for question 6:

- CAG = 12
- Total = 83

Q 7: Given that retail can generate significant revenues, how do you feel about retail development and entertainment, such as shopping, on the site?

- 1) Excellent idea
- 2) Good idea
- 3) Only fair idea
- 4) Poor idea
- 5) No opinion

Given that retail can generate significant revenues, how do you feel about retail development and entertainment, such as shopping, on the site?



Number of participants for question 7:

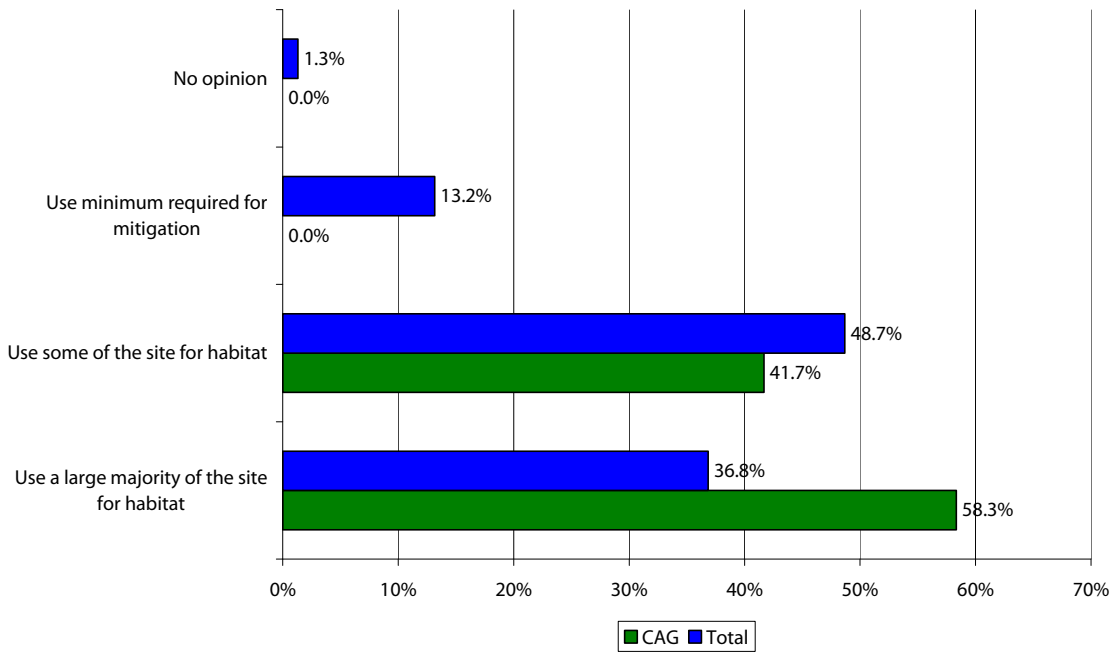
- CAG = 11
- Total = 80



Q 8: The Plant is already a site for a number of habitats. How do you feel about dedicating more open space for wildlife habitat?

- 1) Use a large majority of the site for habitat
- 2) Use some of the site for habitat
- 3) Use minimum required for mitigation
- 4) No opinion

The Plant is already a site for a number of habitats. How do you feel about dedicating more open space for wildlife habitat?



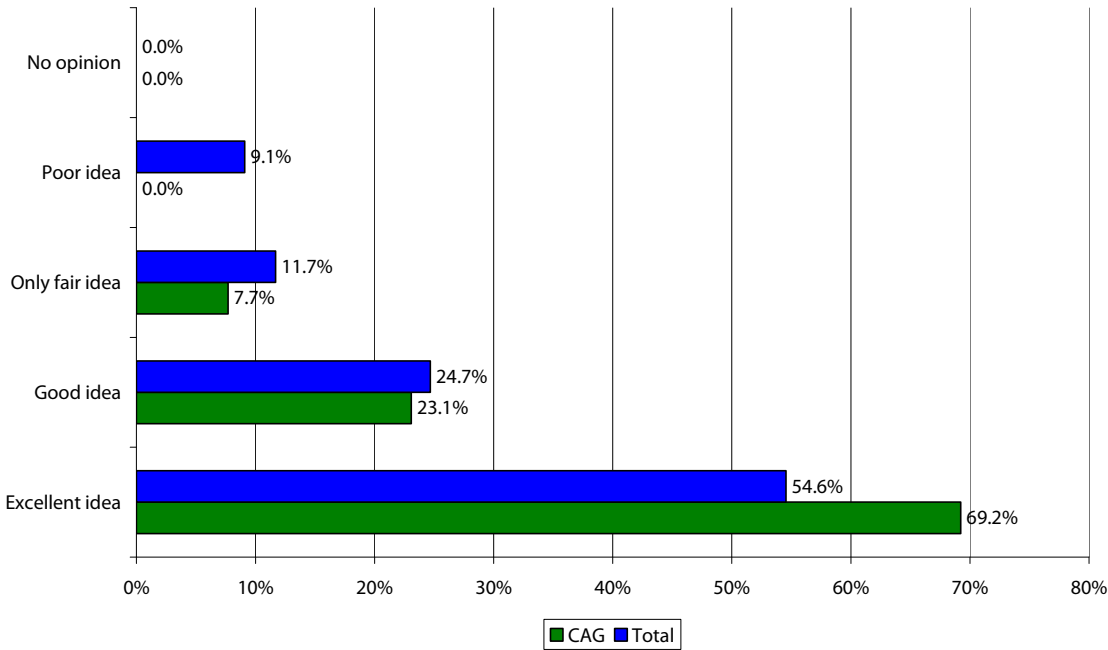
Number of participants for question 8:

- CAG = 12
- Total = 76

Q 9: We could have more water on and around the site. How do you feel about re-creating sloughs, creating ponds or restoring wetlands on the site?

- 1) Excellent idea
- 2) Good idea
- 3) Only fair idea
- 4) Poor idea
- 5) No opinion

We could have more water on and around the site. How do you feel about re-creating sloughs, creating ponds, or restoring wetlands on the site?



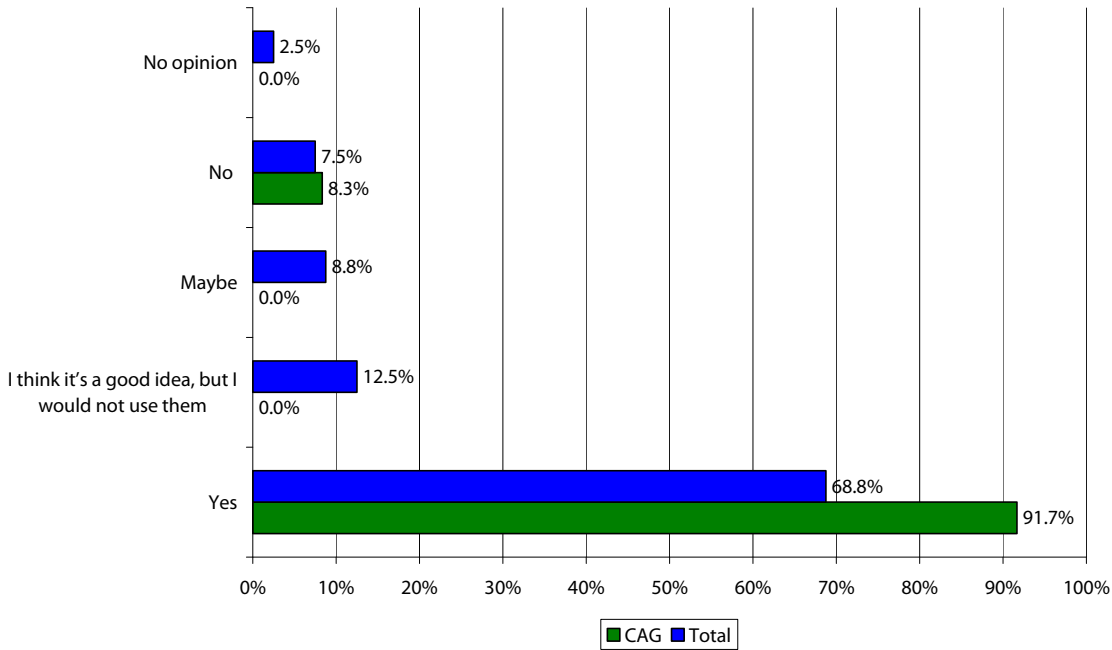
Number of participants for question 9:

- CAG = 13
- Total = 77

Q 10: Would you use viewing platforms and other features that allow people to watch the wildlife and habitat?

- 1) Yes
- 2) I think it's a good idea, but I would not use them
- 3) Maybe
- 4) No
- 5) No opinion

Would you use viewing platforms and other features that allow people to watch the wildlife and habitat?



Number of participants for question 10:

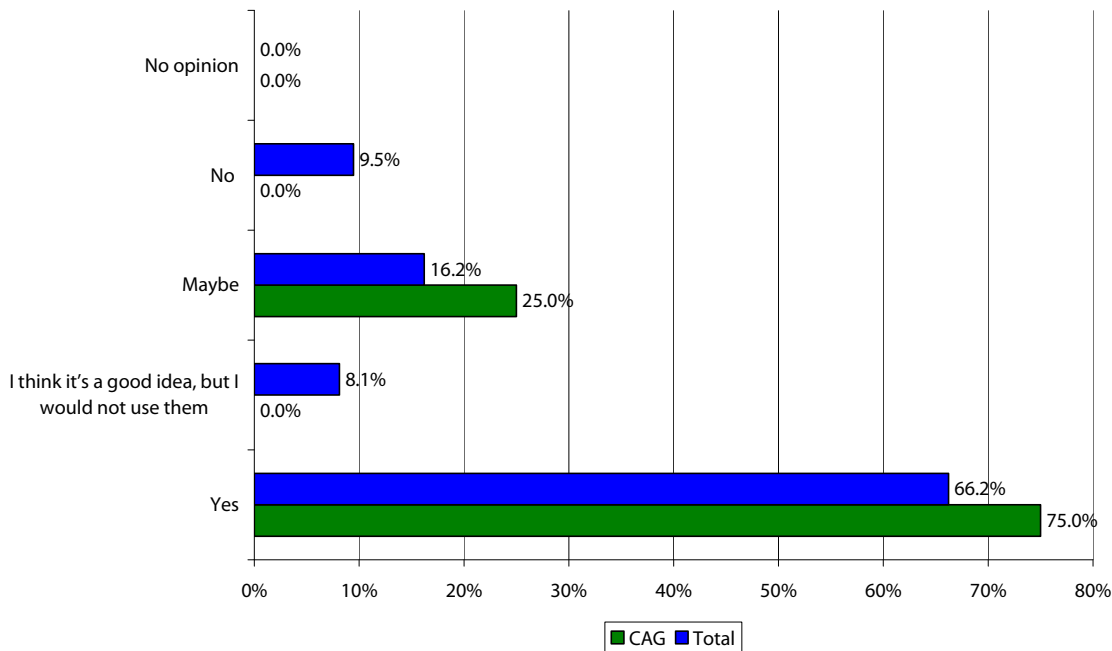
- CAG = 12
- Total = 80



Q 11: The site can accommodate recreational opportunities. Would you use trails for walking, biking, or horseback riding on this site?

- 1) Yes
- 2) I think it's a good idea, but I would not use them
- 3) Maybe
- 4) No
- 5) No opinion

The site can accommodate recreational opportunities. Would you use trails for walking, biking or horse back riding on this site?

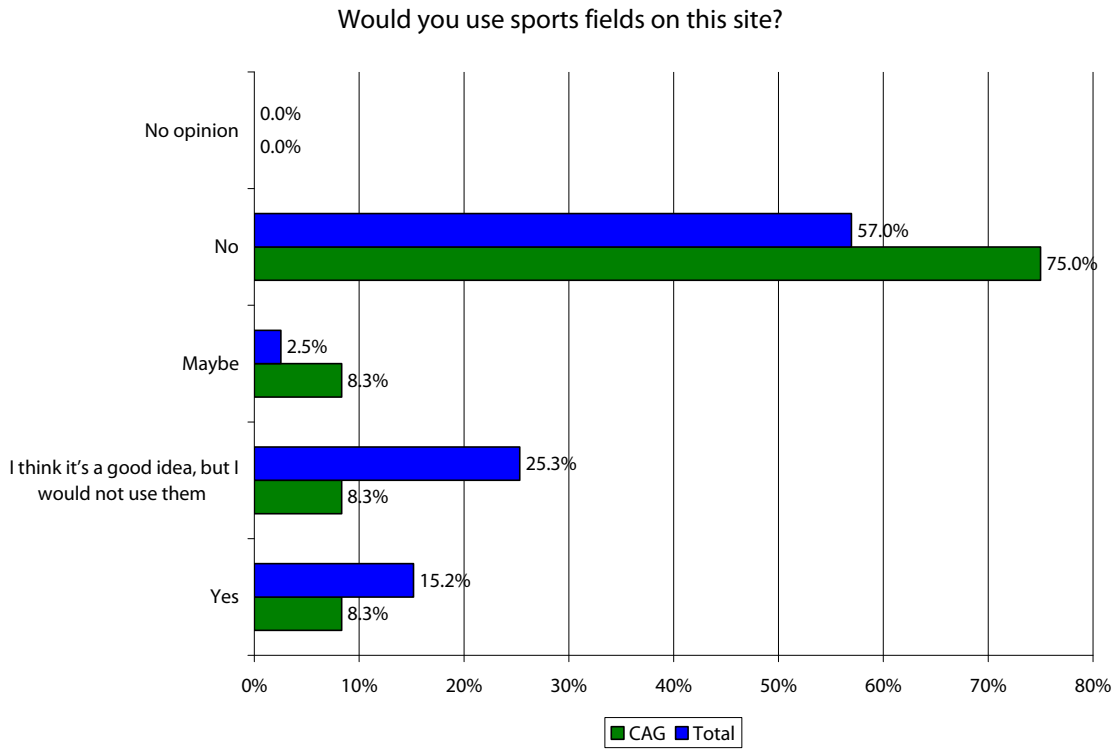


Number of participants for question 11:

- CAG = 12
- Total = 74

Q 12: Would you use sports fields on this site?

- 1) Yes
- 2) I think it's a good idea, but I would not use
- 3) Maybe
- 4) No
- 5) No opinion



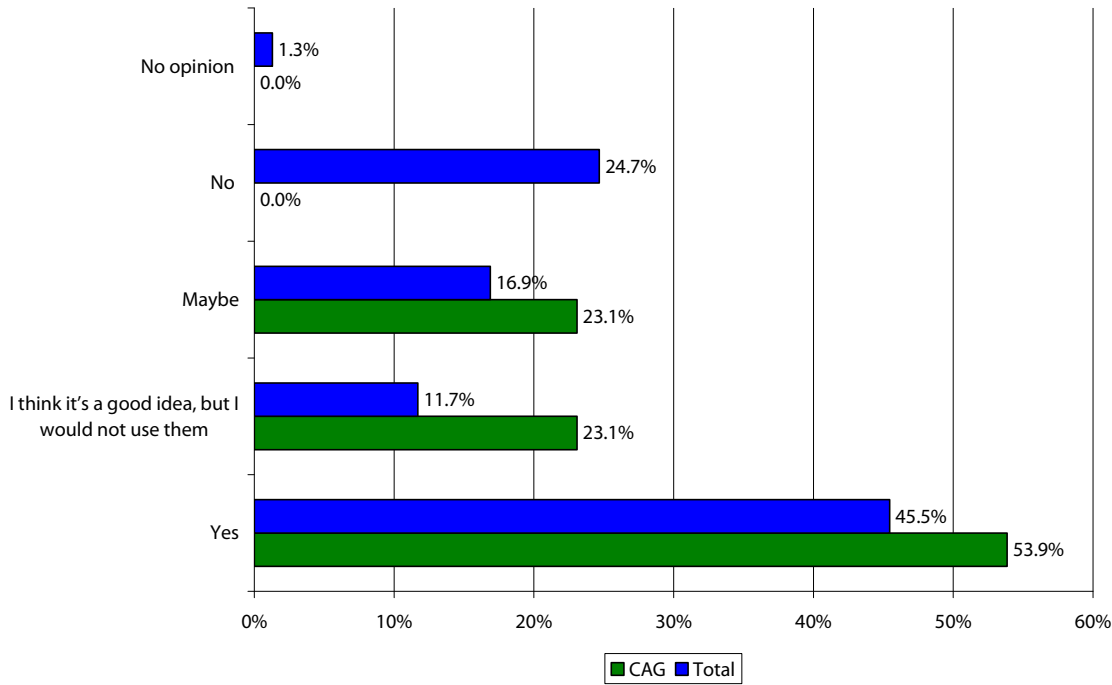
Number of participants for question 12:

- CAG = 12
- Total = 79

Q 13: Would you use water recreation, such as canoeing and kayaking, on this site?

- 1) Yes
- 2) I think it's a good idea, but I would not use it
- 3) Maybe
- 4) No
- 5) No opinion

Would you use water recreation, such as canoeing and kayaking, on this site?



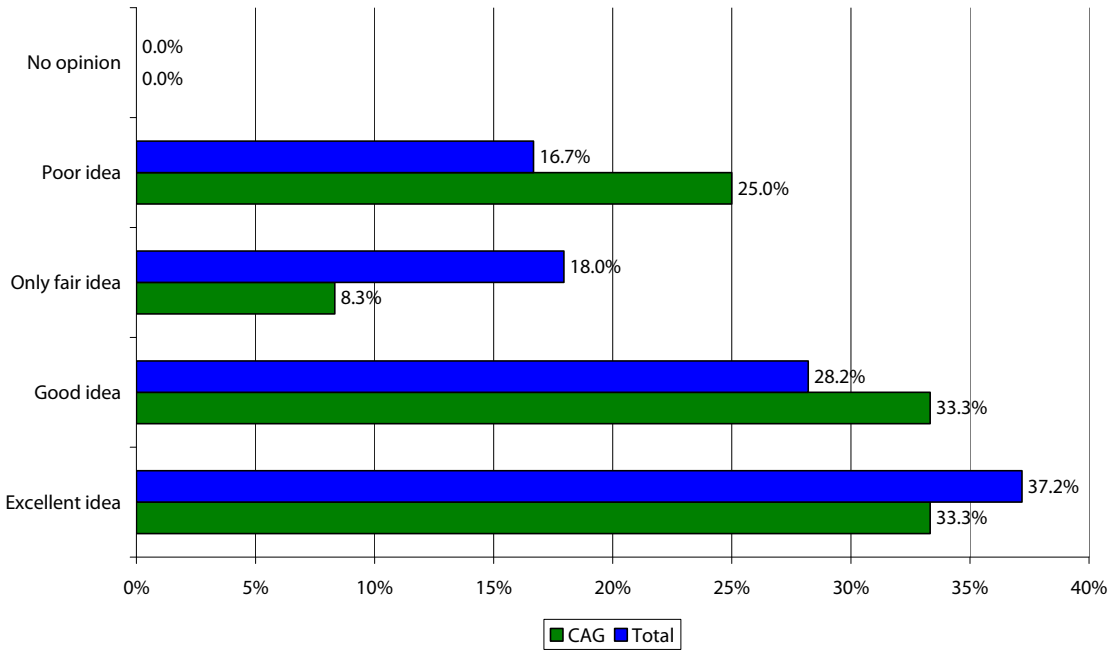
Number of participants for question 13:

- CAG = 13
- Total = 77

Q 14: How do you feel about developing an educational facility such as a living or natural museum that demonstrates the native habitats?

- 1) Excellent idea
- 2) Good idea
- 3) Only fair idea
- 4) Poor idea
- 5) No opinion

How do you feel about developing an educational facility such as a living/natural museum that demonstrates the native water and land habitats?



Number of participants for question 14:

- CAG = 12
- Total = 78

Priorities

Q 15: Recognizing that we do not yet know the costs, which of the following would you most like to see at this site? (Participants were asked to rank these statements in order of preference.)

- 1) Architectural features and aesthetic improvements
- 2) Sustainable, "green" development on the site
- 3) Habitat restoration
- 4) Recreational features such as trails, playing fields, or water activities
- 5) Community amenities such as an educational facility that draws more visitors

Due to this question's high margin of error, only most and least preferred selections are shown:

	Top preference	Least preference
Total	Community amenities such as an educational facility that draws more visitors	Habitat restoration
CAG	Architectural features and aesthetic improvements	Habitat restoration

Combined top preference data was calculated by applying increasing weight to each participant's ranked preferences to find the cumulatively most and least ranked selection. For example, the first ranked statement was given a weight of 5, the second ranked statement was given a weight of 4, etc.

Statement	Total ranked responses	CAG ranked responses
1) Architectural features and aesthetic improvements	259	45
2) Sustainable, "green" development on the site	229	33
3) Habitat restoration	189	24
4) Recreational features such as trails, playing fields, or water activities	220	36
5) Community amenities such as an educational facility that draws more visitors	226	41

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Number of participants for question 15:

- CAG = 12
- Total = 84



Participants encountered difficulties ranking the statements with the clicker technology. This question was repeated three times and data has a high margin of error. Following the workshop, this question was revised for better usability and use during the remainder of the public input collection period:

15a. Which of the following would you most like to see at this site?

1. Habitat restoration
2. Recreational features such as trails, playing fields, or water activities
3. Community amenities such as an educational facility that draws more visitors
4. Architectural features and aesthetic improvements
5. Sustainable, "green" development on the site

15b. Which of the following do you find least important?

1. Habitat restoration
2. Recreational features such as trails, playing fields, or water activities
3. Community amenities such as an educational facility that draws more visitors
4. Architectural features and aesthetic improvements
5. Sustainable, "green" development on the site

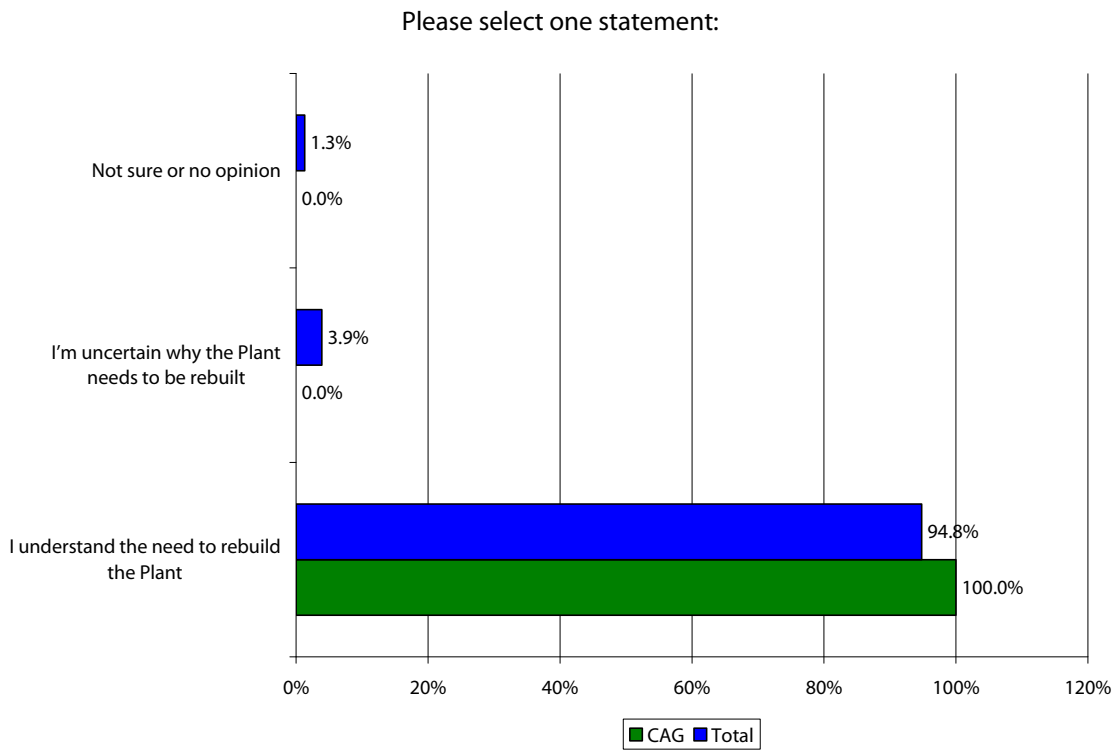
Per discussion at the September 2009 CAG meeting, eleven CAG members re-submitted their input using the revised question 15. Their results included:

<u>Statement</u>	<u>15a. Which of the following would you most like to see at this site?</u>	<u>15b. Which of the following do you find least important?</u>
<u>1) Architectural features and aesthetic improvements</u>	<u>1</u>	<u>8</u>
<u>2) Sustainable, "green" development on the site</u>	<u>3</u>	<u>1</u>
<u>3) Habitat restoration</u>	<u>2</u>	<u>0</u>
<u>4) Recreational features such as trails, playing fields, or water activities</u>	<u>3</u>	<u>0</u>
<u>5) Community amenities such as an educational facility that draws more visitors</u>	<u>2</u>	<u>2</u>

Evaluation

Q 16: Please select one statement:

- 1) I understand the need to improve and upgrade the Plant
- 2) I'm uncertain why the Plant needs improving or upgrading
- 3) Not sure or no opinion



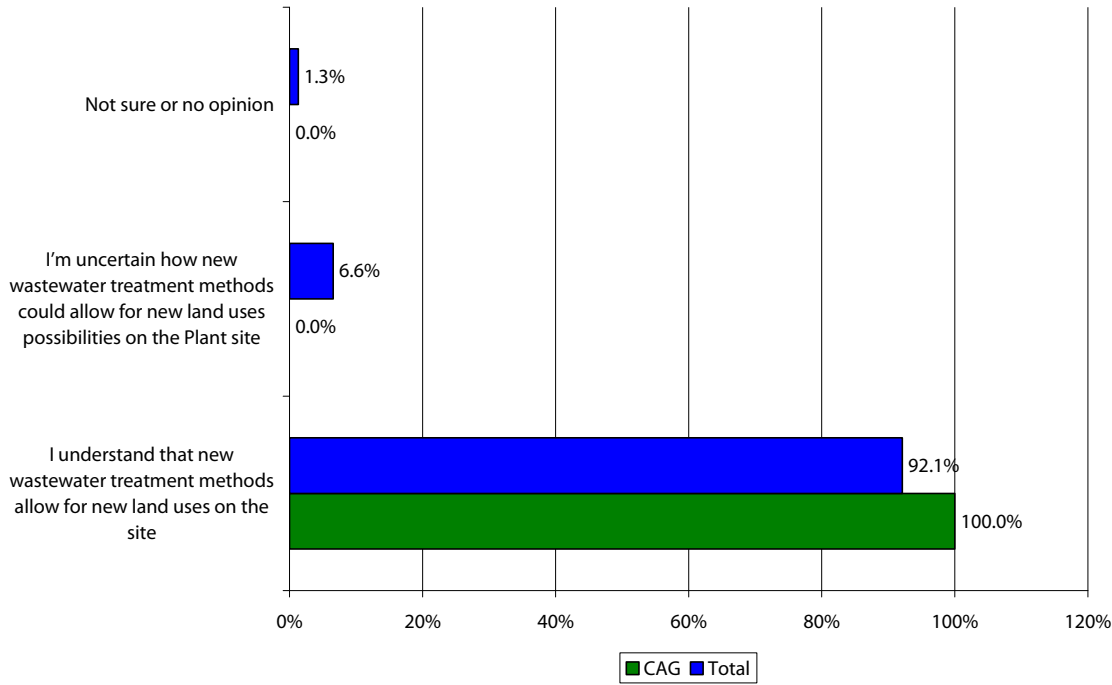
Number of participants for question 16:

- CAG = 11
- Total = 77

Q 17: Please select one statement:

- 1) I understand that new wastewater treatment methods allow for new land uses on the Plant site
- 2) I'm uncertain how new wastewater treatment methods could allow for new land uses on the Plant site
- 3) Not sure or no opinion

Please select one statement:

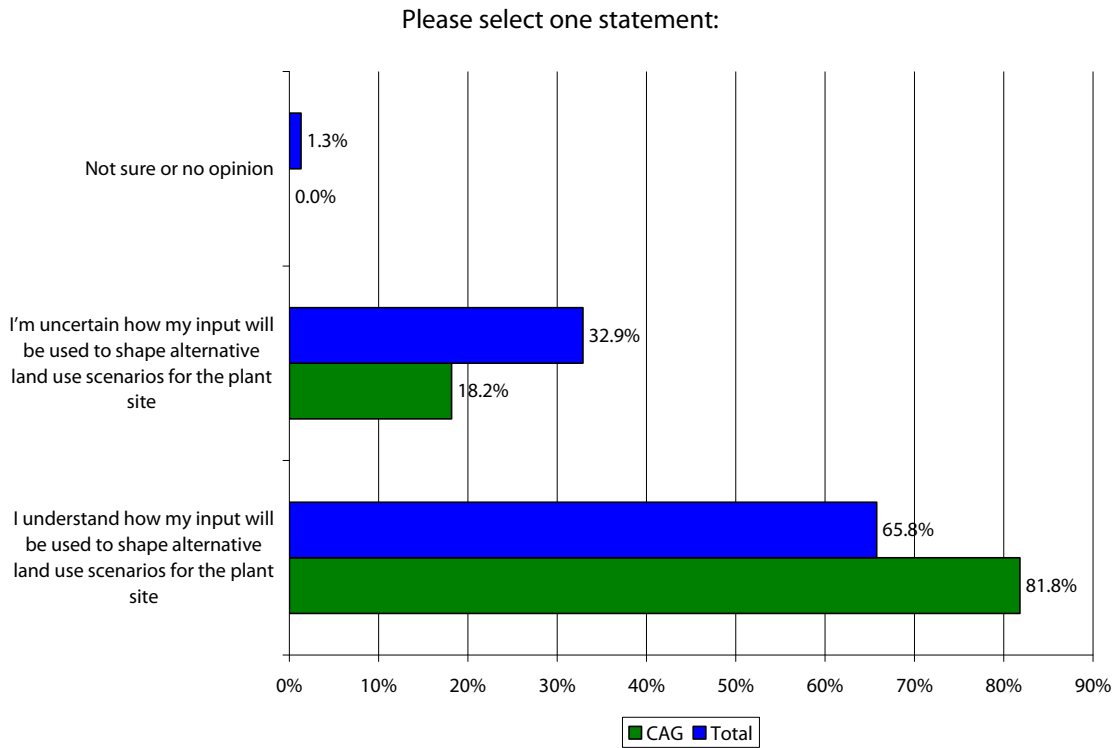


Number of participants for question 17:

- CAG = 11
- Total = 76

Q 18: Please select one statement:

- 1) I understand how my input will be used to shape alternative land uses for the Plant site
- 2) I'm uncertain about how my input will be used to shape alternative land uses for the Plant site
- 3) Not sure or no opinion



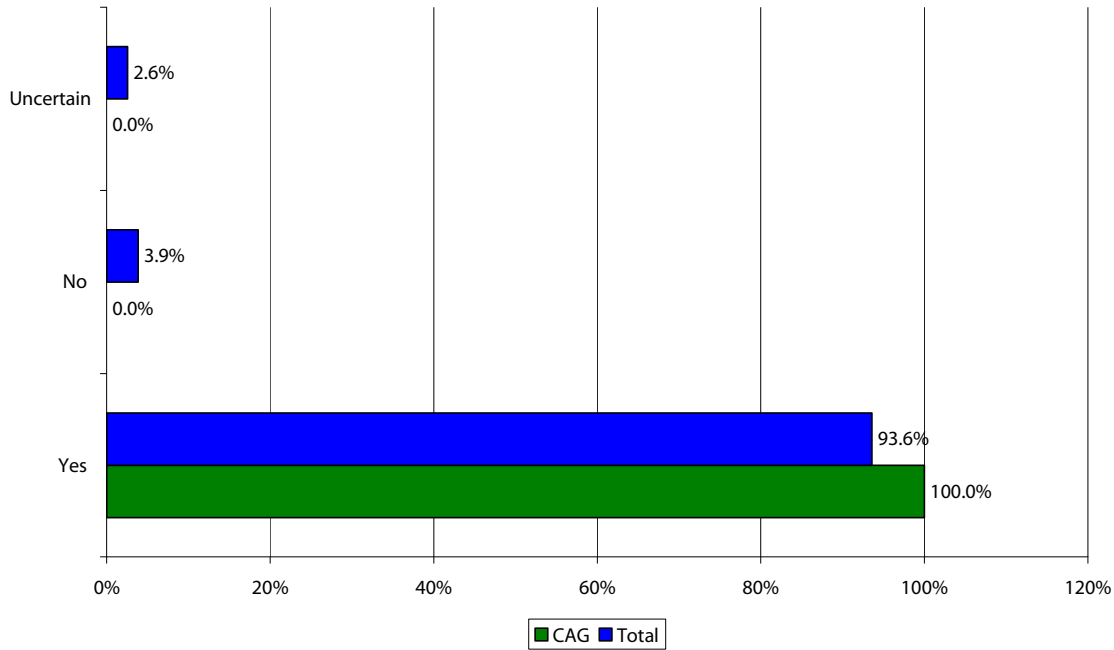
Number of participants for question 18:

- CAG = 11
- Total = 76

Q 19: Based on what you learned today, would you participate in future workshops or activities on the Plant Master Plan?

- 1) Yes
- 2) No
- 3) Uncertain

Based on what you learned today, would you participate in future workshops or activities on the Plant Master Plan?



Number of participants for question 19:

- CAG = 11
- Total = 78

Section 4

Data: Comment Cards


In addition to the clickers, participants recorded comments and questions on a workshop comment card.

We'd like your input!

What do you think about land use opportunities at our treatment plant?

Are there any ideas you particularly like or dislike?

Are there any other land uses you'd like to make sure we consider?



Contact me! (please print clearly)

Name: _____

Organization: _____

Address: _____

E-mail: _____

Phone: _____

Sign me up for Plant Master Plan updates.


Please return your clicker and comment card to City staff before leaving.


Printed on recycled paper


Clickers not enough?


Share more thoughts here!

Note any project-related questions or comments in the appropriate section below. All input will be considered.


operational


economical


environmental


social

priorities

General comments

- The treatment and the land use are helpful, but the only concern is the use of chemicals in the water can affect the soil. Also, doing a recreation area can be a good target – that way it can be useful and informative for the community. The use of green material can be more helpful with the environment, but also unite with other Plants, that way in the future can be world concern. The idea of the museum is an excellent idea because kids will be more aware of the water. Also, the use of media and the messages – have information about what could happen without water.
- Q11 – No! High impact horses, low impact uses, sports – possible open water <<illegible>>, slough kayak tours/habitat.
- Integrate public access to water for non-motorized watercraft and wildlife.
- I'm not sure if the audience understood that green development could mean a factory. I think many of them voted for the word "green."
- Create something like Shoreline in Mountain View, Calif.
- Create more recreational spaces and landscaping design, involving more public participation. Increase public involvement of WPCP development.
- Retail/industrial "green," or otherwise, is fine if not damaging to wildlife habitat. Shared parking with recreational areas would be good.

- Look at new technologies with smaller footprint. Convert previous use to habitat parks with trails and walkways/picnic areas. What are the levees made of and can reclaimed dirt be used to shore them up?
- Make recycled water drinkable, battle is sell – educate children in school setting for recycled water uses and why it is necessary to use water carefully. Land uses:
 1. Recycle Plant
 2. Lake with parkway (Japanese plant)
 3. Small lake for fishing using water from plant
 4. Put in solar energy system large enough to service Plant and sell to grid
 5. <<illegible>> golf course
- Sports fields are not as good a recreational use as trails. I don't believe the results in ranking the priorities are accurate; the question needs to be asked a different way.
- Like – burrowing owl sanctuary, solar panels, increased recycled water, educational opportunities. Dislike – using land for businesses, manufacturing solar panels, sports fields bad idea, educational facility not necessary. Q5 poorly worded and I think misunderstood. I hate to say it, but facilitator needs to do dry run – many responses misrepresented. Presentation great. Connecting to audience great. Reading the graph not so great.
- Build San Francisco Bay Trail. Kayaking on sloughs. Restored habitat on northern half. High-impact level (manufacturing, etc.) only near Highway 237. No retail – too close to McCarthy Ranch would fail or would kill large portion of Milpitas.
- Remote control airfield and R/C car track. I dislike shopping idea.
- Future greenhouse structures for solid waste treatment: recover from greenhouse heat and generated gasses, turn them into energy or gas pressure to aerate secondary tanks. Use water-use issues to apply political pressure – discourage future population growth, encourage re-equilibration of the Bay Area's natural resources to a balanced eco-environment.
- Please consider utilizing Arzino Ranch location as Burrowing Owl habitat viewing area. Could utilize educational kiosks, platform with mounted telescopes, public access and involvement could be fostered by access via Bay Trail spot. Consultation with Santa Clara Valley Audubon on educational content, docent, interpreters, school group coordination. Management of owl habitat zone is needed by moving/grazing. Continuity with owl populations in adjacent parcels valuable (e.g. Cisco #6 Disk Dr.).
- Make a long range (20-50 years) goal of closed cycle that is no water, no energy input and no pollutant output. This idealist goal will make it easier to set short term goals. I am a retired civil engineer and system analyst and am willing to volunteer some time at the Plant.
- Attendees were asked to rate ideas without any economic feasibility information. For example, we were asked to rate whether manufacturing electric vehicles on the site is a good idea. With manufacturing trending off shore for decades, domestic automobile plants closing for extended periods this summer, one of three domestic automobile manufacturers in bankruptcy and a second at risk of bankruptcy, attendees voted favorably. Installing an electric motor instead of an internal combustion engine is not going to change the economics of domestic manufacturing vs. foreign manufacturing.
- The event was planned and conducted extremely well.
- How many tours come from schools? Making young people aware of the whole process would help in conservation and pollutant removal. Every student should have at least one, if not more, during school years. Are dikes the only answer to future increases in water levels? Can existing sewer (street) lines be used to run new piping for recycled water to other parts of valley? (inside those pipes by strapping it to wall)



- Bad idea: team sports with large parking lots.
- Q2 - Staff member. Q11 - No horses please. Pooper scoopers for dogs. Q14 - Needs to differ from Don Edwards environmental center.
- I think part of the land (not 700-acres near the wildlife area so much) would be well used if it were used as a model farm to encourage aquacultural use of recycled water (obtain approval from the Regional Water Quality Control Board (RWQCB). Then some of the land could be leased to tenant farmers to show the practicality, so that use could be expanded to community gardens, where food crops are grown. Eventually, I think water will become so pricey that the farms in Gilroy, Morgan Hill, and Coyote Valley (if applicable) will be willing to pay for piped recycled water. Water is California gold. Would not need reverse osmosis (RO) for this use (should probably have some RO for direct injection also). I believe this is preparation for the future. Someday, there will be a recycled water line to Gilroy! One consideration - Gilroy may eventually recycle its own water.
- We are Bayside R/C Club currently located on land that is to be developed as the Warm Springs BART station. We are a dedicated model aviation with minimal land impact – we just need the air! We could be located in the non-desirable part of the area to be developed with an over-fly area over water/swamp/etc. We currently exist with protected owls, coyote, foxes, squirrels and birds with everybody getting along. We have a complete presentation that we could provide to you. Please let us know how we can answer further questions. Thanks for your consideration.
- Not enough waste recycling into sustainable fuels. Raising water table level. Restore wetland to natural before man was here. Solar cells over structures or green roofs.
- Bufferlands proposed usages.
- Would like to recommend to City of San José to provide for smaller recycling hook up uses – ex: new education part for 2001 to be employ a recycle line to Gold Street half-mile from a main hook up. Two hours providing education uses to our younger generation and beyond. Small project approximately 1/3-acres – any type of grants etc. available?
- What Plant improvements, repairs are planned in years 2010, 2011, and 2012?
- I am from the Bayside R/C Club and am interested in utilizing part of the land for a flying field for our club. We are presently located on the Warm Springs site to be changed to be a BART station. We must leave by 2010 in March. We have a large membership from the greater Bay Area.
- Eco-tourism/agricultural-tourism, innovative environmental business development, environmental research and development, open space critical. As a City staff member - was this in payroll flyers? Importance of multi-lingual educational opportunities and community outreach to further understanding of conservation and reduction of pollutant usage. Are there enough equestrian facilities nearby to justify cost of accommodation?
- Please identify what new technologies will be used for this Plant and make sure wastewater to generate 100 percent clean.
- Thank you, great job. Working farm in 100 acres. No to new housing. Multiple use fields. Trails. wetland preserve. Get landfill out of way. Energy self-sufficient. Byproduct recovery to sale. Fringe City's having "illegible" area/park-small upscale restaurant. Overnight campsite?

Specific comments

Operational

- Why so long before actually getting started on multi-year?
- The use of green solar power and less harmful materials.
- Equipment should blend with landscape permeable surfaces for roads and other paved areas.
- (Increase demand for) how do we expand use of purple pipe.
- No need to add too many architecturally pleasing elements. That will only add costs from maintenance, designing, etc. Not about aesthetics, it's about efficiency and functionality.
- Upgrade/update Plant.
- Keep the Plant function. Add some development to increase treatment efficiency i.e. UV disinfection.
- Put solar on roof of retail/commercial. Before removing nitrates, feed algae for energy production.
- View WPCP as a freshwater resource, focus on capacity and reusability, use of discharge for groundwater recharge and irrigation - as close to 100 percent as possible and as soon as possible.
- Provide models for sustainable landscaping for others to follow (commercial and residential), sponsor a nursery that sells demo plantings.
- Efficiency, create amusement will generate more revenue to help the budgeting without jeopardizing security.
- The "new" Plant should take an integrated design approach to maximize utility, efficiency, resources and sustainability.
- Low rumbling noise – could be from the secondary blower building or other building, wasting air has been reduced but it could be treated to that.
- Make it visually interesting to come here or be adjacent.
- Why does rain quadruple flow to Plant if storm drains are separate?
- Can improve the energy efficiency of the Plant operation through variable frequency drive (VFD) and new control technology.

Economical

- Any possibility of public input/grants/ <<illegible>>?
- Gather other organizations, that way everyone gathers one voice and it will bring more benefits to the Plant.
- The area is in the usual take-off pattern and visible from planes.
- Plant rebuild should be managed with <<illegible>> containment in mind. The surrounding land should not be developed based on economic reasons.
- Adding retail/commercial building would be counterproductive to our "green" mission of conserving energy and preserving nature.
- Lease some land, solar power generation.
- Create jobs. Generating revenues.
- Solar/wind farm funded by individuals of businesses in exchange for kilowatt hours (kWh) credit on their individual bills (requires Public Utilities Commission (PUC) tariff changes).
- I'd like to see food produced at WPCP via about one to five-acre commercial truck gardens worked by small scale organic farmers.
- The sanitary sewer and user connection fund should stop funding the recycled water system program.
- The question 5 assumed that development would happen.

- An educational center, such as the Academy of Sciences, could also generate revenue while still meeting environmental, operational and social goals. Other example: Monterey Bay Aquarium retail can be included with this kind of education center.
- Adequate water supply and wastewater treatment are crucial to our economic development and quality of life.
- Not new building commercial or residential, create steady income stream and sell power (photovoltaic, biofuels, farming products).
- Solar panels on settling ponds/solids area only – not unused bufferlands.
- The output should be better than 1,120! How about job opportunity? Alternate energy that will give some revenue.
- Solar panels are a good idea, but you have to wait until the technology matures.
- Limited development a possibility at Highways 237 and 880 but should not encroach on wetlands unless part of an educational or research facility.
- Is this a non-profit or profit utility company?
- Maximize 2,600-acres, harvest methane, grow algae for biofuel on reduce hormones, other organic compounds.

Environmental

- What impact will the master plan have on the neighboring Don Edwards National Wildlife Refuge?
- Use of green materials, that way it won't affect the ecosystem. Create a part that way the people are more aware of the animals in danger and the water use. We need more open space at the habitat.
- Plant more trees – incorporate them into area developments to have natural features/pattern/symbol/words visible.
- Primary use for bufferland should be protection of endangered and threatened species, reduce energy usage – increase use of recycled water materials.
- Important to preserve wildlife. The world is too human-centric. This isn't only our world. We have to share with other life systems.
- Green/sustainable buildings, habitat restoration (partial).
- Combine landscaping and function of WPCP.
- More habitat = climate change hedging.
- More landscaping ground facility – use recycled water, show off the capabilities. Don't waste money on fancy architecture – this won't be a tourist draw.
- Stop dumping fresh water into salt! Save Alviso harbor and marine life, use effluent to recharge groundwater supply.
- Solar and wind farms (not manufacture). Keep this open space, this area is a rarity in the Bay Area, don't even think about infringing on it with building.
- Burrowing Owl habitat management area preservation within master plan is the most important issue. Other species use untouched grassland too, need intact bufferlands for foraging.
- Not too much for wildlife habitat, waste too much land that might be more benefit for other use.
- Habitat restoration should consider rising sea levels displacing existing wetlands – can we mitigate this? Can the new Plant enhance or recreate habitat?
- Manufacturing wastewater has decreased (IBM/Hitachi/etc.). How much has usage changed in gallons in the past 15 to 20 years? High density housing might need to be restricted; City population might need a cap.
- Promote water and wetlands for native species, flood control.
- Save open space – you can't get this back and with rising water levels if seems sensible.

Social

- Any possibility for baseball/sport teams in Santa Clara County?
- Is a good idea at recreational open space but now will the people take advantage of it unless there is a really primitive area. Also be aware of the wildlife.
- Separate bikes, hikers and equestrians.
- Approve Bay Trail but not for sports that disturb environment – 11. Hiking, biking, natural museum – other areas around Bay already provide should not duplicate.
- Horseback riding is not a good idea. Any trails for hiking/biking should be built around wildlife and solar panels.
- Recreational activities like Shoreline Park.
- Location.
- No horseback, Bay access/canoe-kayak especially from Milpitas is excellent.
- A museum/Plant history and education and training center would be a fine addition.
- No horses. How about a recycled water park (sp<<illegible>> pool, etc.).
- Recreational – soccer and lacrosse fields, architecturally interesting and visit worldly cities for how enlightening this is to a society.
- Land/water museum could be valuable but modest. Educational signage and collaboration with the Don Edwards Refuge enough.
- Wetlands provide an opportunity to build accessible trails and viewing sites not possible in local parks in surrounding hills.
- Develop low-impact, low-maintenance recreational opportunities or none. Don Edwards Refuge is already next.
- Simple presentation materials (bilingual) for neighborhood associations.
- Wetlands.
- Recreational – hiking, biking, birding, landscape art and architecture.
- More information regarding the use of the Plant and what it is.

Priorities

- The protection of land, wildlife, water and <<illegible>>. The more the technology the more use of harmful materials that could harm.
- Operational and environmental efficiency of course.
- Architectural aesthetic/sustainable green, habitat.
- This part of the survey was confusing to the audience to perform and the two results varied as an outcome which is questionable.
- 1) Recycled water for groundwater augmentation 2) Habitat
- Consider WPCP and important fresh water supply resource.
- Important that land be divided into a multi-use area.
- Efficiency, green development, get the best budgeting system so it depends less than outside sources.
- Operational, operational, operational.
- Sustaining environment.
- Clean the water, restore wetlands, harvest.
- I have some doubts that priority inputs took properly.
- Sustainable "green" development, restoration of habitat.

Section 5

Post Presentation Questions & Answers

Following the project overview presentation, attendees participated in an open question and answer session with John Stufflebean, ESD Director.

Question: Are you planning on replacing the five out of service or use a different anaerobic digestion process to enhance the throughput of the existing plant?

Answer: We did an advanced study of what we should do with the digesters and concluded that we will be able to make use of all 16 digesters for a variety purposes. As we rebuild them, we'll make them more efficient. For example, we'll be improving the heating systems and mixing systems. We'll also keep the main concrete tanks, but update the internal system.

Question: You said economic considerations are fundamental. Does that mean you're expecting to break even or make money on the site? Are the tradeoffs going to be environmental, social or other things?

Answer: Breaking even or making money may be too aggressive a goal. As we proceed and develop alternatives, we'll compare these alternatives from different metrics. One of them will be how much money it might contribute. One alternative might be more focused on revenue, and another more focused on environmental improvements. That's why we are seeking community input to gauge what is more important. There will be revenue-generating elements in all the alternatives, some more than others. I don't think we would look at complete tradeoffs among our core goals.

Question: Is there any interest in building an upstream satellite facility to take the load off this system?

Answer: We have looked at this. This treatment facility is designed to handle a high volume of waste and is actually able to handle high volumes of waste for many years to come. Many treatment plants are driven by the fact that they can't handle the volume. What's driving our need to upgrade this plant is that it is old and needs to be replaced, so there isn't the same driving force for building an upstream facility. Any need for upstream facilities would be to flow upstream, to flow back down, and flow back upstream. Our initial study showed that there's not a lot of potential for satellite plants with respect to a good location, so we probably won't be looking for a satellite plant and will keep this plant as our main location.

Question: What are your plans for recycled water? Are you considering a separate line for gardening? How are you going to expand the recycled water district?

Answer: We absolutely are considering recycled water. In fact, one of the City's ten green vision goals is to quadruple the use of recycled water. The goal is to at least get up to 40 percent and ultimately, maybe 100 percent recycled water use. To do that, we have to work closely with the water district (the wholesale water supplier for the area). Our goal is to develop a strong relationship with them so we can go beyond industrial and irrigation uses for recycled water. We are making sure that this goal for recycled water is connected to the Plant Master Plan.

Question: This is a huge area serving a million people. Do other major cities have the ability to use less land to process water?

Answer: All cities have big treatment plants somewhere; some are just crammed in more tightly, but certainly all U.S. cities have them. Our Plant is unique because of the extensive bufferland around it that happens to be in a high real estate market. Our Plant is also more advanced than others. For example, our Plant includes primary treatment, biological treatment, and infiltration and tertiary, whereas lots of cities only have primary treatment and some, a little more.

Question: I have a few economic suggestions for use of this huge parcel of land:

- **Consider energy farms (solar) that could sell power back to the City.**
- **Use the land for farming.**
- **On a high-tech note, one of the impediments for living here is the odor and high sulfide level. Consider using that to resale.**

Answer: We are definitely exploring solar and wind farms and these are strong possibilities, depending on public input. Farmland is also a possibility, though not as high a one. The Plant has actually improved control over odors; we now hardly get any complaints. Our challenge right now is to remove odors even more. Odor comes mainly from the biosolids drying. If we move biosolids into greenhouses, we could capture and treat the odor.

Question: Any thoughts about selling the land?

Answer: Probably not. We think the best opportunity can come from maintaining ownership and leasing the land.

Question: With all the land that you have, right now the Plant is very concentrated and uses chemicals. Would you consider a biological purification system, especially using the salt ponds?

Answer: We have a technical advisory group that looked at use of the salt ponds as a top opportunity. Because we have such a large Plant, wetlands treatment would have to be very large, which would limit possibilities. Having the whole Plant replaced by wetlands probably isn't feasible.

Question: Would reverse osmosis be considered for treatment of recycled water?

Answer: Yes, we are looking at this design with the water district. Some of you may have heard about the Orange County plant that is the first major one built that treats wastewater like we do with an extra step of reverse osmosis. Reverse osmosis is essentially desalting the water. At the Orange County plant, they take the water and inject it with the groundwater, which becomes part of their drinking water system. We're exploring the same possibility with our water district.

Appendix A

Workshop Publicity

Workshop publicity was distributed through multiple communication channels, including:

Newspaper advertisements

Advertisements of the workshop ran between Thursday, April 30 and Friday, May 15 in these publications:

- *Almaden Resident*
- *Berryessa Sun*
- *Cambrian Resident*
- *Campbell Reporter*
- *Cupertino Courier*
- *El Observador* (Spanish language)
- *Los Gatos Weekly-Times/Los Gatos Weekender*
- *Milpitas Post*
- *Rose Garden Resident*
- *San Jose Mercury News*
- *Saratoga News*
- *Silicon Valley Business Journal*
- *VTimes* (Vietnamese language)
- *West San Jose Resident*
- *Willow Glen Resident*

Fliers

Fliers announcing the workshop were distributed in English and Spanish at local events and point-of-service counters, including:

- Cinco de Mayo festival – 1,000 copies distributed on Sunday, May 3, 2009
- City of San José libraries – 1,000 copies distributed to 19 locations
- Don Edwards San Francisco Bay National Wildlife Refuge – 75 copies for the front desk
- Environmental Services Department – 75 copies for the front desk
- Industrial Users Academy – distributed to about 30 attendees
- Milpitas homeowners and neighborhood associations – mailed to 46 groups
- One Voice event booth – 50 copies distributed at one event
- San Jose/Santa Clara Water Pollution Control Plant – 75 copies for the front desk
- Tuesday Market – 100 copies distributed over the four Tuesdays prior to the workshop
- Watershed event toolkit – 200 copies distributed at seven different events



Emails

Workshop information was emailed to stakeholder groups through to various list serves:

- ESD-wide email from John Stufflebean – sent to 483 employees
- Councilmember Kansen Chu's District 4 list serve – sent to about 2,000 residents
- Development News list serve – sent to over 5,000 people
- Green Building Users Group list serve – sent to 400 people
- Green Vision list serve – sent to 25 people
- Neighborhood Development Center/Strong Neighborhoods Initiative list serves – sent to over 600 neighborhood association contacts
- Project stakeholder list – multiple emails sent to about 215 project stakeholder contacts
- Santa Clara Basin Watershed Management Initiative list serve – sent to about 70 people

Web sites

Workshop information was posted to various Web sites:

- City of San José
- City of Santa Clara
- Councilmember Kansen Chu's District 4 site
- Plant Master Plan project site

Articles

Groups without a list serve or Web site included an informational workshop article in their hard-copy publications.

- *Pipeline*, City of San José Public Works newsletter

Presentations

Project team members made presentations to various stakeholder groups:

- Alviso Collaborative – reached about 20 stakeholder groups and community members on Tuesday, May 12, 2009
- Green Building Users Group – reached about 20 people on Tuesday, April 21, 2009
- Industrial Users Academy – reached about 30 businesses on Wednesday, May 13, 2009
- Milpitas City Council – Tuesday, March 17, 2009

Television bulletins

A workshop information slide was developed to air on select channels.

- City of San José facility bulletins
- City of Santa Clara's channel 15

Direct mail

A personalized workshop invitation letter and flyer was sent to interested groups.

- Plant Master Plan stakeholder list – sent to 215 people/groups
- Plant tour wait list – sent to 447 people

Publicity Examples

Workshop advertisement/flyer

New technologies...



New opportunities...



Reservations
Required

Attend a community workshop

Saturday, May 16, 2:00 - 5:00 p.m.

- **Tour** the wastewater treatment facility by bus.
1:30 - 2:00 p.m. (optional)
- **Meet** the project staff at an open house.
2:00 - 2:30 p.m.
- **Learn** about your wastewater treatment facility, why it needs improvements, and the master planning process.
2:30 - 3:30 p.m.
- **Submit** your ideas to shape the master plan.
3:30 - 5:00 p.m.

Location:
San Jose/Santa Clara Water Pollution Control Plant
700 Los Esteros Road, San Jose (near Alviso)

Workshop and bus tour reservations:
Call 408-975-2556 or visit
www.sanjoseca.gov/esd/plantmasterplan
by Wednesday, May 13, 2009.

Spanish, Vietnamese and Chinese-language services will be available at this event. To request accommodations under the Americans with Disabilities Act for City-sponsored events or printed materials, please call 408-975-2606 no later than three business days before the event.

Plan the future of your South Bay shoreline and wastewater facility

Do you know where your water goes after showering, washing dishes, or flushing a toilet? No matter the answer, aren't you glad you can rely on your wastewater system?

A three-year master plan process has been launched to make sure you can rely on your wastewater treatment facility for years to come.

The San Jose/Santa Clara Water Pollution Control Plant Master Plan addresses how to best rebuild the 53-year-old wastewater treatment facility and use the 2,600-acre property. Implementing new treatment technologies creates the opportunity to envision new land uses, such as jobs-based development, a clean tech center, expanded habitat protection areas, and community amenities such as trails.



Plant Master Plan

SAN JOSE/
SANTA CLARA
WATER POLLUTION
CONTROL PLANT



CITY OF
SAN JOSE
CAPITAL OF SILICON VALLEY

Imagine. Plan. Explore.



Workshop email

Last modified on: April 13, 2009 10:03:43 PST

May 16 Plant Master Plan Workshop – Save Date!

Plan the future of your South Bay shoreline and wastewater facility

Wastewater facility renovation includes planning new land uses

A three-year master plan process has been launched to make sure you can rely on your wastewater treatment facility for years to come.

The San Jose/Santa Clara Water Pollution Control Plant Master Plan addresses how to best rebuild the 53-year old wastewater treatment facility and use the 2,600-acre property. Implementing new technologies creates the opportunity to envision new land uses, such as kayaking, trails, a clean-tech center, and/or jobs-based development.



Attend a community workshop on Saturday, May 16 to:

- **Tour** the wastewater treatment facility by bus (optional) 1:30 – 2:00 p.m.
- **Meet** the project staff at an open house 2:00 – 2:30 p.m.
- **Learn** about your wastewater treatment facility, the planning process and why the facility needs improvements. 2:30 – 3:30 p.m.
- **Submit** your land use ideas to shape the master plan 3:30 – 4:45 p.m.

Spanish, Vietnamese and Chinese-language translation services will be available.

Workshop and bus tour reservations:

Call 408-975-2556 or visit www.sanjoseca.gov/esd/plantmasterplan.

San Jose/Santa Clara Water Pollution Control Plant – 700 Los Esteros Rd., San Jose (near Alviso)

To request accommodations under the Americans with Disabilities Act for City-sponsored events or printed materials, please call 408-975-2606 no later than three business days before the event.

FREE Wonders of Our Water Works bus tour is back!

Experience your wastewater treatment facility

Find out where your wastewater goes on a **free Wonders of Our Water Works** bus tour. Explore the San Jose/Santa Clara Water Pollution Control Plant and learn about the adjacent Don Edwards San Francisco Bay National Wildlife Refuge on this two-hour tour.



When: May 2009 through October 2009, first and third Thursdays and Saturdays

Where: San Jose/Santa Clara Water Pollution Control Plant – 700 Los Esteros Rd., San Jose, CA

Tour reservations:

Call 408-975-2556 or visit www.sanjoseca.gov/esd/plantmasterplan for more information. Participants must be at least 10 years old.

Questions?

For more Plant Master Plan information, visit www.sanjoseca.gov/esd/plantmasterplan or contact [Matt Krupp](#), project planner:

City of San José
200 E. Santa Clara St., 10th Floor
San Jose, CA 95113
408-945-5182



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Wastewater Facility Renovation Includes Planning New Land Uses

A three-year master plan process has been launched to make sure you can rely on your wastewater treatment facility for years to come.

The [San Jose/Santa Clara Water Pollution Control Plant Master Plan](#) addresses how to best rebuild the 53-year old wastewater treatment facility and use the 2,600-acre property. Implementing new treatment technologies creates the opportunity to envision new land uses, such as jobs-based development, a clean tech center, expanded habitat protection areas, and community amenities such as trails.



Attend a community workshop on Saturday, May 16 to:

- ▶ Tour the wastewater treatment facility by bus (optional) 1:30 – 2:00 p.m.
- ▶ Meet the project staff at an open house 2:00 – 2:30 p.m.
- ▶ Learn about your wastewater treatment facility, the planning process and why the facility needs improvements 2:30 – 3:30 p.m.
- ▶ Submit your land use ideas to shape the master plan 3:30 – 5:00 p.m.

Spanish, Vietnamese and Chinese-language translation services will be available.

Location:
San Jose/Santa Clara Water Pollution Control Plant – 700 Los Esteros Rd., San Jose (near Alviso)

Workshop and bus tour reservations:
Call 408-975-2556 or visit www.sanjoseca.gov/esd/plantmasterplan by Wednesday, May 13, 2009.

[Print the Flyer \(PDF\)](#)

To request accommodations under the Americans with Disabilities Act for City-sponsored events or printed materials, please call 408-975-2606 no later than three business days before the event.

FREE Wonders of Our Water Works bus tour is back!

Experience your wastewater treatment facility.

Find out where your wastewater goes on a free Wonders of Our Water Works bus tour. Explore the San Jose/Santa Clara Water Pollution Control Plant and learn about the adjacent Don Edwards San Francisco Bay National Wildlife Refuge on this two-hour tour.

When: May 2009 through October 2009, first and third Thursdays and Saturdays
Where: [San Jose/Santa Clara Water Pollution Control Plant](#) – 700 Los Esteros Rd., San Jose, CA

Tour reservations:
Call 408-975-2556 or visit www.sanjoseca.gov/esd/plantmasterplan for more information.
Participants must be at least 10 years old.



Plan the future of your South Bay shoreline and wastewater facility!

Wastewater facility renovation includes planning new land uses

Do you know where your water goes after showering, washing dishes, or flushing a toilet? No matter the answer, aren't you glad your wastewater system is reliable?

A three-year master plan process has been launched to make sure you can rely on your wastewater treatment facility for years to come.

The San Jose/Santa Clara Water Pollution Control Plant Master Plan addresses how to best rebuild the 53-year-old wastewater treatment facility and use the 2,600-acre property. Implementing new technologies creates the opportunity to envision new land uses, such as water recreation, trails, a clean-tech center, and/or jobs-based development.

Attend a community workshop on Saturday, May 16 to:

- **Tour** the wastewater treatment facility by bus (optional) 1:30 – 2:00 p.m.
- **Meet** the project staff at an open house 2:00 – 2:30 p.m.
- **Learn** about your wastewater treatment facility, the planning process and why the facility needs improvements. 2:30 – 3:30 p.m.
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San Jose/Santa Clara Water Pollution Control Plant – 700 Los Esteros Rd., San Jose (near Alviso)

Questions?

For more information, visit www.sanjoseca.gov/esd/plantmasterplan or contact Matt Krupp at matt.krupp@sanjoseca.gov or 408-945-5182.

To request accommodations under the Americans with Disabilities Act for City-sponsored events or printed materials, please call 408-975-2606 no later than three business days before the event.

FREE Wonders of Our Water Works bus tour is back!

Experience your wastewater treatment facility Find out about your wastewater on a **free Wonders of Our Water Works** bus tour. Explore the San Jose/Santa Clara Water Pollution Control Plant and learn about the adjacent Don Edwards San Francisco Bay National Wildlife Refuge on this two-hour bus tour.

When: May 2009 through October 2009, first and third Thursdays and Saturdays

Where: San Jose/Santa Clara Water Pollution Control Plant – 700 Los Esteros Rd., San Jose, CA

Tour reservations:

Call 408-975-2556 or visit www.sanjoseca.gov/esd/plantmasterplan.

Participants must be at least 10 years old.

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Appendix B

Media Coverage

The Plant Master Plan workshop was covered in local print and online media outlets.

Workshop announcements

- *Baked* by Kailin Chou – May 11, 2009
- *Los Gatos Weekly Times* – May 12, 2009
- *Aquaforia* by the Water Education Foundation – May 13, 2009
- *Milpitas Post* – May 13, 2009

Workshop coverage

- *Baked* by Kailin Chou – May 2009
- *Running Water* by Diana Foss – May 16, 2009
- *San Jose Mercury News* – May 28, 2009
- *Sunnyvale Sun* – May 28, 2009

Media Coverage Examples

Baked by Kailin Chou



◀ SOUPSTOCK!!

HOT & FRESH Updates! ▶

Plant Master Plan Workshop

📅 lished May 11, 2009 1 🗨️ Give a Comment



Did you know that [San Jose 's Water Pollution Control Plant](#) is one of the largest and most advanced in the country? I shore didn't, which is why I'm attending the [Plant Master Plan Workshop](#) on Saturday, May 16th.

The Story: The plant receives, processes, and treats the wastewater from residents and businesses in San Jose, Santa Clara, Saratoga, Cupertino, Los Gatos, Monte Sereno, Milpitas, and a few other neighboring cities. Wastewater that comes from doing laundry, flushing the toilet, doing the dishes, and taking a shower go to this treatment plant.

The Issue: Now more than 50 years old, its infrastructure is aging and needs to be addressed. If you are interested, you can still sign up by this Wednesday for the free workshop or you can always go on a bus tour of the plant (which goes from May to November). Not only will this be extremely informative about the facility and its processes themselves, I guarantee you'll go away being more environmentally aware of things you've never thought of before. **Warning:** it may smell a little gross when you first get there...but then (according to a very credible source) you get used to it 😊 Hope to see you there! (thinking of bringing Baked. cookies, though not sure how that'll pan out w/ the smells haha)

UPDATE: When I was there it actually didn't smell at all, only at one particular spot we stopped very **briefly** at. You're actually on a very nice tour bus the whole time and even when walking around the parking lot, I didn't notice anything foul.

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4. California Layoffs Database: See if your company is planning big...
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Meeting set on \$1 billion rebuild of the aging valley water pollution plant

By Cody Kraatz
Sunnyvale Sun
Posted: 05/12/2009 10:08:40 PM PDT
Updated: 05/12/2009 10:08:44 PM PDT

The 53-year-old San Jose/Santa Clara Water Pollution Control Plant is aging and badly needs to be rebuilt.

Operated by the city of San Jose and co-owned by San Jose and Santa Clara, the plant — which serves more than 1.4 million people in San Jose, Santa Clara, Milpitas, Campbell, Cupertino, Los Gatos, Saratoga and Monte Sereno — is embarking on a planning process to create a master plan, and is seeking public input about what should be included.

All told, operators expect the rebuilding to cost about \$1 billion. The plant processes raw sewage through a complex system that transforms it into fresh water that is discharged to San Francisco Bay. It also produces recycled water that can be used for landscaping and industrial purposes.

Plant operators say that the new master plan creates many possibilities because it sits on 2,600 acres of buffer land. A number of creative ideas for how to use that land have been suggested already:

- Turn the plant into an energy supplier by using the methane produced there and at the adjacent landfill as well as tapping fats, grease, discarded food, solar and wind power;
- Generate revenue through farming, cash crops, food production and plant nurseries;
- Found a research institute focused on renewable energy and clean technologies and draw businesses that use the plant's byproducts to the site, creating an engine of economic development;
- Build in recreational uses such as trails and a recycled water course for boating;
- Restore marshland habitat and creeks to their natural state.

Advertisement



A community workshop to gather public input will be held on May 16, 1:30-4:45 p.m., at the plant, 700 Los Esteros Road, San Jose (near Alviso). The workshop will include a tour of the plant, and also an overview of the wastewater treatment process and why the facility needs improvement. There will be time for the public to submit land use ideas.

Call 408-975-2556 or visit www.sanjoseca.gov/esd/plantmasterplan.



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Meeting set on \$1 billion rebuild of the aging Santa Clara water pollution plant

Posted by: Aqua Blog Maven on May 13, 2009 at 6:22 am

From the San Jose Mercury News:

The 53-year-old San Jose/Santa Clara Water Pollution Control Plant is aging and badly needs to be rebuilt.

Operated by the city of San Jose and co-owned by San Jose and Santa Clara, the plant — which serves more than 1.4 million people in San Jose, Santa Clara, Milpitas, Campbell, Cupertino, Los Gatos, Saratoga and Monte Sereno — is embarking on a planning process to create a master plan, and is seeking public input about what should be included.

All told, operators expect the rebuilding to cost about \$1 billion. The plant processes raw sewage through a complex system that transforms it into fresh water that is discharged to San Francisco Bay. It also produces recycled water that can be used for landscaping and industrial purposes.

Plant operators say that the new master plan creates many possibilities because it sits on 2,600 acres of buffer land.

Read more from the San Jose Mercury News by [clicking here](#).

May 13, 2009 · Filed Under [Bay Area](#)



Workshop this weekend at water treatment plant

by Ian Bauer

Posted: 05/13/2009 01:10:28 PM PDT

Milpitas residents are invited to take part in the future of the San Jose/Santa Clara Water Pollution Control Plant. A land use workshop and bus tour will be held Saturday at the plant at 700 Los Esteros Road on the San Jose-Milpitas border to gain community input over the long-term use of 2,600 acres of plant lands near the San Francisco Bay that could potentially accommodate a mix of development, habitat restoration and recreation.

"In the future, we could do some great things with this land," Cheryl Wessling, a San Jose Environmental Services Department spokesperson, said.

Since its opening in 1956, the Los Esteros Road plant has worked around the clock to clean the South Bay's wastewater before it flows into the San Francisco Bay.

Co-owned by San Jose and Santa Clara, the plant serves 1.4 million people across eight cities and treats about 110 million gallons every day, with 10 percent of that amount receiving further treatment and being recycled for irrigation and industrial uses.

The largest advanced wastewater facility on the West Coast, the plant either directly or through sanitation districts also serves the cities of Milpitas, Cupertino, Campbell, Los Gatos, Monte Sereno and Saratoga.

But City of San Jose states the water pollution control plant is aging and much of its infrastructure needs rebuilding. The cost of rebuilding the plant is estimated at about \$1 billion, making it one of the region's largest public investments. How to best rebuild the plant and best use its surrounding property is the focus of a plant master plan.

"The plant master plan is both a very important and very exciting project for our region," San Jose Environmental Services Director John Stufflebean said. "We can rebuild this facility so that it continues to protect bay water quality and the public health, and we can make the plant site a treasure

for the region. Public participation is vital to determining what happens on this unique site, so I hope many residents will join us for the community workshop."

According to Wessling, changes could also include jobs-based development, a clean-tech center, algae farming, energy facilities, habitat restoration, kayaking, soccer fields, and a living museum all tied to sustainable design practices.

"It could be so much more," she said. "We're asking the community to be a part of the visioning with us."

Launched in 2008, Wessling suggested the plant master plan will take about three years to complete. The master plan includes three main components:

Technical to identify technology options for the plant's continued operations.

Land use to identify land use scenarios for the plant's 2,600-acre property.

Community engagement to work with ratepayers, stakeholders, and partners in developing a successful master plan.

If approved, the plant master plan will result in a 10 to 15 year improvement program to upgrade, improve and rebuild the water pollution control plant.

City of San Jose is working on some of the most urgent projects as part of a five-year improvement program. Some of them include replacing electrical cables, rebuilding five of the 16 digesters, and replacing decaying concrete.

The May 16 event is open to everyone, but specifically targeted at residents of Milpitas and the other cities directly served by the plant site.

The day will include an optional bus tour of the facility from 1:30 to 2 p.m.; a 2 to 2:30 p.m. open house; and a 2:30 p.m. presentation and public input session.

Attendees will use handheld clickers to weigh in on a variety of land use ideas.

The workshop will be held at the plant at 700 Los Esteros Road in San Jose, accessed from Zanker Road off of state Highway 237.

[Running Water](#)

« [Cry me a river](#)
[Meat and Veg](#) »

[Plant Master Plan Open House](#)

The City is taking public outreach for the WPCP master plan update very seriously. The Environmental Services Department pulled out all the stops, bringing in many buses for tours



and putting up two big tents in the parking lot, for mingling and the presentation.



Inside, there was lots of printed matter.



(click through if you want to read all the water no-nos.

Most of the people I talked to were there for the tour. They had tried to sign up last year, but couldn't get a spot. I got on the first bus (since I was there so early) and we were lucky to have the marvelous Matt Krupp as our tour guide.



After the tour, we watched a very professional presentation, narrated by ESD Director John Stufflebean, that laid out the issues that the master plan outreach process wants public input on.

Now, the biggest issue in this show is that the plant itself is getting old, and needs serious upgrades. That's the heart of the matter, and you'll get no argument from me that the upgrades are necessary. As I said the other day, the last thing you want to have fail is your sewage treatment plant. Matt put it that one of the most important functions provided by a modern society is wastewater treatment. It's the reason that no one in the US knows what cholera looks like anymore.

Of course, these very necessary upgrades will cost in the neighborhood of 1 *billion* dollars (insert Dr. Evil voice, if you want.) and paying for them is going to be another question entirely. That's why I was happy to see Pierluigi Oliverio [blog](#) that the SCVWD had finally come to an understanding with the City of San José about greater use of recycled water for groundwater recharge and streamflow augmentation.

But it's the land use issues where public opinion will matter, at least I hope so. The plant controls 2,600 acres of land, a fraction of which (180 acres) is devoted to the actual plant, a larger fraction of which (770 acres) is used for sludge drying, and the rest of which is either a salt pond or buffer lands. More modern sludge drying methods (yes, research goes on in all sorts of fields) may make a big chunk of the "biosolids" area available for other uses, and more modern processes in general should reduce the odor of the plants operations to the point that less buffer would be needed to shield neighbors from the plant. The interactive portion of the program had each of the 80-odd people who remained after the break (in summer heat, I should add) using clickers to register their opinions about operational, economic, environmental and social aspects of land use.

When they're available, those results will be up [at the plant master plan homepage](#). But I'll summarize them.

Not surprisingly, the operational aspects of the plan upgrade aren't much being left to public opinion. (There is a technical advisory committee, which John Stufflebean and the head of the San Francisco Bay Regional Water Quality Board both said was full of their professors from 30 years ago, to weigh in on those questions.) The audience with clickers was asked whether the plant upgrade should incorporate "architectural amenities," and that was it. A majority said "some" of these would be good, but that was the first question, and, as I'll get to, I'm not sure how strong this opinion was. I was thinking as I walked into the building this afternoon that the plant looks just like my high school (it was probably built around the same time) in its mid-sixties concrete vibe. For the record, it's an industrial facility, and I don't mind its looking like one.

Then the discussion turned to economic uses of the land. We were told that there will be development of WPCP land; the only question is how much and what kind. I have two issues with this. 1) Who has decided? The mayor and the council? Staff? I need to get a better idea of where this mandate originates. 2) I think that San José has a terrible record of developing parcels hoping for economic reward. The city is going to retain ownership of this land, so the city will make the decision of what will be built. I do not think that city staff are the best people to be making detailed development decisions.

Plus, as the drive up Zanker Road showed, there is a huge glut of empty industrial space in north San José. Now, I know that the master plan is supposed to govern the next 30 years, and the recession will end. But once land is built out, it's gone. I really want to know where the development pressure is coming from within the city and who will make the decisions about what is built.

The question on this topic was phrased "Do you support green, sustainable development?" Not, "Do you support any development at all?" A majority of responders did support green development, not surprisingly. Similar majorities supported using some of the land for solar energy generation.

A majority also favored either some, or a large portion of the land be used for habitat restoration. This is my preferred outcome, as you've probably guessed. A majority also supported increasing the area of plant lands under water, in the sense of wetlands enhancement, rather than inundation due to sea-level rise.

A majority rejected retail or commercial development on the site, and a majority favored building a visitors' center that would offer educational programs. Trails and water access were favored a majority, but sports fields were not as popular.



Finally, we were asked to rank our priorities. Given the levels of interest in several of the questions, I expected to see a clear majority, but the vote seemed to be equal percentages for

- architectural amenities
- green development
- habitat restoration
- recreational amenities
- an educational center

But, this question was asked a different way. We were asked to press our clicker buttons in order, ranking our preferences, instead of having separate questions of “What is your first priority?” etc.” So many people were confused that I am sure that the reason that each choice scored equally is that the answers were random.

So, the same questions are going to go up on the web, and I’d like each reader to go vote. I’ll post when the questions are available.

The good news is that almost everyone said they’d like to participate in further workshops. (The clickers are very engaging.) This is a very important process; please consider taking part in the next chance you get.

This entry was posted Saturday, May 16th, 2009 at 5:03 pm and is filed under [WPCP](#). You can [leave a response](#), or [trackback](#) from your own site.

The Mercury News

MercuryNews.com

Water plant could become regional tourist attraction

By Cody Kraatz
Sunnyvale Sun

Posted: 05/28/2009 02:23:20 PM PDT

Updated: 05/28/2009 02:47:35 PM PDT

Community leaders are working to turn a local water plant that serves more than 1 million South Bay customers into what could become a regional tourist attraction.

The city of San Jose recently held a public workshop to brainstorm new uses for thousands of acres at the San Jose/Santa Clara Water Pollution Control Plant near Alviso at the southern tip of San Francisco Bay that are no longer needed as a buffer area because of new technology.

Residents at the May 16 meeting told San Jose leaders that they would like to see a lot of the plant's 2,600 acres — including vacant buffer land and evaporation ponds — turned to more productive uses such as recreation, commercial and industrial development.

My City

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alternative energy generation and habitat restoration.

Trails, playing fields, a water sports area and a nature museum that could compare to the California Academy of Sciences in San Francisco were among

the top choices.

"I am really excited about the possibility of them creating a plant that in the future could become a tourist destination, more of a destination for people to come to instead of just an industrial area," said Saratoga resident Eve Mateian, who serves on the Community Advisory Group working on the plan. "We have an opportunity to dedicate a spot where people could see an estuary or kayak around."

Bhavani Yerrapotu, the environmental services department technical services manager, said the plant is in a "very unique situation. Usually the land is the limitation. We have enough that we can accommodate all of the uses. It's just a matter of prioritizing the public values."

Finding new uses for portions of the property is part of a 30-year Master Plan that includes a roughly \$1 billion rebuilding of the facility that opened in 1956. San Jose operates the plant on behalf of co-owner Santa Clara and the roughly 1.4 million residents and businesses of the other cities it serves: Cupertino, Saratoga, Monte Sereno, Los Gatos, Campbell and Milpitas.

The plant would retain ownership of any land developed, and plant officials said that development of the plant property may help pay for some of the repairs.

"Given the economic reality, we must first look to revenue-generating options to offset the cost of plant operations," said John Stufflebean, director of San Jose's Environmental Services.

"This is a significant opportunity to have a very far-reaching positive impact on the environment," said Bob Power, executive director of the Santa Clara Valley Audubon Society and a Cupertino representative on the Community Advisory Group.

"And this is a very forward-thinking group, so they're going to be very creative about how to operate this plant in the future."

A final plan is scheduled to be presented in 2011.

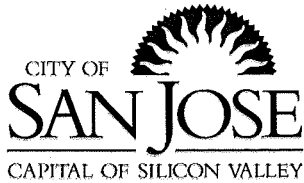
Community Advisory Group (CAG)

All CAG meetings are from 6:00 p.m. – 8:00 p.m. at the Plant, except for the community workshop #2 public meeting series. Meetings are open to the public and will follow the standing agenda format below:

- Roll call – 5 minutes
- Approval of minutes – 15 minutes (minutes will be emailed ahead of meetings)
- Old business – 20 minutes
- New business – 60 minutes (e.g., 20 minute presentation, 40 minute discussion)
- Public comment – 15 minutes
- Announcements – 5 minutes
- Closing

In addition to the meetings listed in the work plan, CAG will assist with publicity for the tours, speaker's bureau, and workshops.

Date	Meeting Topics	Outcomes
September 2009 Wednesday, September 16	<ul style="list-style-type: none"> • Address new membership • Review workshop summary report • Review and discuss work plan/timeline • Technical update 	Accept workshop summary report and 09-10 work plan
October 2009	<i>NO MEETING</i>	
November 2009 Thursday, November 12	<ul style="list-style-type: none"> • Technical review and alternatives discussion 	Understand and provide input to technical track and alternatives
December 2009 Wednesday, December 9	<ul style="list-style-type: none"> • Social land use decision points 	Understand and provide input to social land use constraints and opportunities
January 2010 Tuesday, January 19 and Tuesday, January 26	<ul style="list-style-type: none"> • Environmental land use decision points 	Understand and provide input to environmental land use constraints and opportunities
	<ul style="list-style-type: none"> • Economical land use decision points 	Understand and provide input to economical land use constraints and opportunities
February 2010 Wednesday, February 10	<ul style="list-style-type: none"> • Climate change 	Understand and provide input to climate change constraints and opportunities
March 2010 Thursday, March 11	<ul style="list-style-type: none"> • Plant infrastructure 	Understand and provide input to Plant infrastructure constraints and opportunities
April 2010 Tuesday, April 6	<ul style="list-style-type: none"> • Regional planning efforts 	Understand regional planning efforts in relation to the Plant
May 2010 TBD by technical schedule. Tentatively week of April 26 and week of May 3	Community Workshop #2 <ul style="list-style-type: none"> • Present alternatives • Collect public input on alternatives <i>Locations (TBD)</i> <ol style="list-style-type: none"> 1. Downtown San Jose/CAG 2. Milpitas 3. Alviso 4. Santa Clara 5. West Valley cities (Saratoga/Cupertino border) 	Provide comments on alternatives Lead discussion at the Downtown San Jose/CAG workshop Attend representative city community workshop



Item 6.C.1

COUNCIL AGENDA: 12-15-09
ITEM:

Memorandum

TO: HONORABLE MAYOR
AND CITY COUNCIL

FROM: John Stufflebean

SUBJECT: SEE BELOW

DATE: 11-23-09

Approved

Date

12/1/09

COUNCIL DISTRICT: City-Wide

**SUBJECT: ACTIONS RELATED TO BIDS FOR THE INSTALLATION OF
POTABLE AND NON-POTABLE WATER SERVICES AND MAINS: 2009-
2010 PROJECT**

RECOMMENDATION

- (a) Reject all bids for the Installation of Potable and Non-Potable Water Services and Mains: 2009-2010 project.
- (b) Adopt a resolution authorizing the Director of Public Works to:
 - 1. Award the contract for the Installation of Potable and Non-Potable Water Services and Mains: 2009-2010 project to the lowest responsive and responsible bidder in an amount not to exceed \$726,000; and
 - 2. Decide any timely bid protest(s), make the City's final determination as to the lowest responsive and responsible bidder, or to reject all bids and re-bid the project.

OUTCOME

Rejecting all bids will enable staff to revise the Project Specifications to clarify bidding requirements for labor costs to ensure that unit prices bid for a particular labor classification are no less than the highest prevailing wage rate for all classes within that job classification. Authorizing the Director of Public Works to award the Installation of Potable and Non-Potable Water Services and Mains: 2009-2010 project will allow for the timely re-bid of the project and award of the contract.

BACKGROUND

The Municipal Water System (Muni Water) bids an annual contract for miscellaneous new water service installations for commercial, industrial and residential developments within the Muni Water and South Bay Water Recycling (SBWR) systems. This contract allows all new installations to be made by one contractor for the approximate one-year duration of the contract, instead of processing a separate contract for each installation.

The installation work consists of such items as installing water mains and service laterals, and furnishing and installing pipes, valves, fittings, and all appurtenances necessary to install service laterals and other minor improvements. Under the contract, the Contractor is required to effect permanent installations within a thirty (30) calendar day period from the date they are given a design drawing for a particular installation from the City.

ANALYSIS

Bids were opened on September 17, 2009, with the following results:

<u>Contractor</u>	<u>Bid Amount</u>	<u>Variance</u>	<u>% Over / (Under)</u>
Rodan Builders	\$929,924	\$269,924	41
West Valley Construction	\$689,670	\$29,670	4
San Jose Water Company	\$680,147	\$20,147	3
Pacific Underground Construction	\$673,706	\$13,706	2
Engineer's Estimate	\$660,000	-----	-----

Analysis of the bids revealed that the apparent low bidder, Pacific Underground Construction, and the second highest bidder, West Valley Construction, included unit prices for labor below prevailing wage rates for the labor classifications listed.

The Project Specifications for the project include a Schedule of Quantities (SOQ), in which bidders specify unit prices for the specific contract items listed. The SOQ for this project includes several labor classifications (examples include laborer, concrete finisher, and plumber), as well as common equipment and materials used to construct water service installations. Bid items for labor classifications are specified in the SOQ as covering "all classes," and different unit prices are required for standard time, time and a half, and double time. Within the Project Specifications, bidders are informed that they must follow City requirements with respect to payment of prevailing wages; however, the term "all classes" as stated in the SOQ labor bid items is not defined within the Project Specifications.

The Project Specifications state that bid prices for labor must include the "hourly cost of labor for the workers, health costs, welfare, pension, vacation, and similar expenses, taxes, insurance,

overhead and profit." The intent of the Project Specifications is that bidders must account for the prevailing wage of all classes within a specific labor classification when determining the hourly cost of labor for workers that must be factored into the bid price. In other words, the unit price bid must consider the highest wage of all classes within a job classification as what could potentially be required to be paid to workers as compensation for actual work performed; therefore, the unit price bid for a particular labor classification should be no less than the highest prevailing wage rate for all classes within that job classification.

Staff is recommending that all bids be rejected in order to allow revisions to the Project Specifications to be made. Specification revisions would clarify that the bidding requirements require that the bidder include as the minimum unit bid price for labor, the highest prevailing wage rate for all classes within that job classification.

The annual contract which is currently in place is set to expire on February 3, 2010. In order for Muni Water staff to be able to respond to the development and water service needs of the community, it is essential that a new contract be in place as soon as possible following the expiration of the old contract. To ensure that a new contract is executed and ready to proceed with following the end of the current contract, it is recommended that Council authorize the Director of Public Works to award the project to the lowest responsive and responsible bidder and to decide any timely bid protest(s), to make the City's final determination as to the lowest responsive bidder, or to reject all bids and re-bid the project.

EVALUATION AND FOLLOW-UP

The project is currently within budget. In order to remain on schedule, expedited execution of the contract is necessary, by way of authorizing the Director of Public Works to take each of the above-referenced actions as necessary.

POLICY ALTERNATIVES

Alternative #1: Award to apparent lowest bidder, Pacific Underground Construction, based on the as-bid project specifications and bidding instructions.

Pros: Awarding the contract will eliminate the potential for delay of contract implementation. In the event of a delay, the City would not be able to construct new services for the duration of time in which a new contract is not in place following expiration of the current contract.

Cons: Awarding the contract with ambiguities in the Project Specifications could result in a protest and delay the award of the contract.

Reason for not recommending: Clarifying the Project Specifications and re-bidding the contract will ensure a fair bidding process for all interested contractors.

Alternative #2: Award to second lowest bidder, San Jose Water Company, based on the as-bid project specifications and bidding instructions.

Pros: Awarding the contract will eliminate the potential for delay of contract implementation. In the event of a delay, the City would not be able to construct new services for the duration of time in which a new contract is not in place following expiration of the current contract.

Cons: Awarding the contract with ambiguities in the Project Specifications could result in a protest and delay the award of the contract.

Reason for not recommending: Clarifying the Project Specifications and re-bidding the contract will ensure a fair bidding process for all interested contractors.

PUBLIC OUTREACH/INTEREST

- Criterion 1:** Requires Council action on the use of public funds equal to \$1 million or greater.
(Required: Website Posting)
- Criterion 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. **(Required: E-mail and Website Posting)**
- Criterion 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. **(Required: E-mail, Website Posting, Community Meetings, Notice in appropriate newspapers)**

This item does not meet any of the above criteria. To solicit contractors, this project was advertised in the *San José Post Record*, as well as on the Public Works Bid Hotline and Environmental Services RFP/Bids list.

COORDINATION

This project has been coordinated with Risk Management, Equality Assurance, the City Manager's Budget Office and the City Attorney's Office. This item is scheduled to be heard at the December 10, 2009 meeting of the Treatment Plant Advisory Committee (TPAC).

COST SUMMARY/IMPLICATIONS

1. AMOUNT OF RECOMMENDATION:	\$726,000*
2. COST OF PROJECT:	
Project Delivery	\$90,000
Construction	<u>\$726,000</u>
TOTAL/REMAINING PROJECT COSTS	\$816,000

* The recommended amount represents the engineer's estimate (\$660,000) plus an amount not exceed 10%, to allow for bid fluctuations above the estimated cost related to actual labor, material, and equipment costs at the time of bidding.

3. SOURCE OF FUNDING: 500 - Water Utility Capital Fund
 512 - San José/Santa Clara Treatment Plant Capital Fund

4. FISCAL IMPACT: There are no cost implications to the General Fund as a result of this action. This recommendation meets the general principles of the City's FY 2009-10 Budget Message of providing essential public services while valuing financial sustainability and cost recovery.

BUDGET REFERENCE

The table below identifies the fund and appropriations proposed to fund the contract recommended as part of this memo and remaining project costs, including project delivery, construction, and contingency costs.

Fund #	Appn #	Appn. Name	RC #	Total Appn.	Amt. For Contract	2009-2010 Adopted Capital Budget Page	Last Budget Action (Date, Ord. No.)
Remaining Project Costs				\$816,000	\$726,000		
Current Funding Available							
500	4348	Service Installations	017908	\$420,000	\$363,000	V-189	6/23/09, Ord. 28593
512	6589	Revised SBAP-SBWR Extension*	062873	\$14,364,000	\$363,000	V-150	6/23/09, Ord. 28593
Total Current Funding Available				\$14,784,000	\$726,000		

* A memorandum entitled "SIXTH AMENDMENT TO AGREEMENT WITH THE CITY OF SANTA CLARA FOR CONSTRUCTION SERVICES FOR SOUTH BAY WATER RECYCLING PROGRAM," was approved by City Council on 11-17-2009, increasing the Revised SBAP – SBWR Extension appropriation by an additional \$3.41 million. The new Total Appropriation value is \$17,774,000.

HONORABLE MAYOR AND CITY COUNCIL

11-23-09

Subject: Actions on Installation of Water Services and Mains: 2009-2010 Project

Page 6

CEQA

Exempt, File No. PP05-130

/S/

JOHN STUFFLEBEAN

Director, Environmental Services

For questions please contact Mansour Nasser, Deputy Director, at (408) 277-4218.



Memorandum

TO: HONORABLE MAYOR AND
CITY COUNCIL

FROM: John Stufflebean

SUBJECT: SEE BELOW

DATE: 11-23-09

Approved

Deana J. Stufflebean

Date

12/1/09

COUNCIL DISTRICT: City-Wide

SUBJECT: APPROVAL OF CONTINUATION TO THE AGREEMENT WITH AEPC GROUP, LLC

RECOMMENDATION

Approval of a Continuation Agreement with AEPC Group, LLC for consultant services for the preliminary design of the project entitled, "San José/Santa Clara Water Pollution Control Plant (Plant), Fiscal Year 2006-2007 Capital Improvement Program, Switchgear M5, Ring Bus, and Cable Replacement," to continue and extending the term of the agreement which expired on March 31, 2009 to June 30, 2010 at no additional cost to the City.

OUTCOME

Council approval of this Continuation Agreement will allow this Consultant to continue to provide construction support and documentation services for the Switchgear M5, Ring Bus, and Cable Replacement project.

BACKGROUND

On February 13, 2007 Council approved the agreement with AEPC Group in the amount of \$411,488 for engineering consultant services for the San José/Santa Clara Water Pollution Control Plant (Plant). The scope of work included engineering service to provide bid specifications & plans and construction support for the Switchgear M5, Ring Bus, and Cable Replacement project. Construction of the project was started in July of 2008 and is expected to be completed by April of 2010.

ANALYSIS

Some of the elements of the scope of the project under “support services during construction” have not been provided yet, since the construction is still in progress. As the design-build construction of the Switchgear M5, Ring Bus, and Cable Replacement project has progressed, staff has analyzed the integration of the current project into the Plant’s electrical system and determined that existing Plant documents that are being impacted by the installation of the Switchgear M5 need to be updated. The term of the original agreement was set from the execute date of February 13, 2007 through March 31, 2009. When the original consultant agreement was approved, the start and completion date of the Switchgear M5, Ring Bus, and Cable Replacement project was not known.

By extending the term of the agreement from March 31, 2009 to June 30, 2010, it will allow the engineering consultant sufficient time to update the Plant documentation to reflect changes resulting from the implementation of the Switchgear M5.

POLICY ALTERNATIVES

Alternative # 1: Reject the amendment to the Agreement and have the Plant staff update the Plant documentation.

Pros: The Plant staff is knowledgeable of all the Plant changes and Plant Drafting practices.

Cons: The Plant staff will be strain to manage these document updates and still manage their other duties.

Reason for not recommending: Having the engineering consultant, AEPC Group, incorporating the changes to the Plant documentation will assure that the documents will be updated in timely fashion.

PUBLIC OUTREACH/INTEREST

- Criterion 1: Requires Council action on the use of public funds equal to \$1 million or greater; **(Required: Website Posting)**
- Criterion 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. **(Required: E-mail and Website Posting)**
- Criterion 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. **(Required: E-mail, Website Posting, Community Meetings, Notice in appropriate newspapers)**

HONORABLE MAYOR AND CITY COUNCIL

12-15-09

Subject: Approval of First Amendment to the Agreement with APEC Group, LLC

Page 3

This action does not meet any of the criteria listed above. This award memo will be posted on the City's website for the December 15, 2009 Council Agenda.

COORDINATION

This project and memorandum have been coordinated with the City Attorney's office and the City Managers Budget Office. This item is scheduled to be heard at the December 10, 2009 Treatment Plant Advisory Committee (TPAC) meeting.

FISCAL/POLICY ALIGNMENT

The amendment to this Agreement does not change the original fiscal/policy alignment of the original Agreement.

COST SUMMARY/IMPLICATIONS

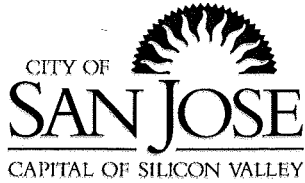
The amendment to this Agreement does not change the amount of the Agreement.

CEQA

Not a project.

/s/
JOHN STUFFLEBEAN
Director, Environmental Services

For questions, please contact Bhavani Yerrapotu, Division Manager, Environmental Services, at 945-5321.



Item 6.C.3

COUNCIL AGENDA: 12-15-09
ITEM:

Memorandum

TO: HONORABLE MAYOR AND
CITY COUNCIL

FROM: John Stufflebean

SUBJECT: SEE BELOW

DATE: 11-23-09

Approved

Date

12/1/09

COUNCIL DISTRICT: City-Wide

SUBJECT: REPORT ON BIDS AND AWARD OF CONTRACT TO THE LOWEST RESPONSIVE BIDDER DYNALECTRIC COMPANY FOR THE SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT, FISCAL YEAR 2009-2010 CAPITAL IMPROVEMENT PROGRAM, MCC H1, MCC H2, MCC J1, AND MCC J2 REPLACEMENT PROJECT

RECOMMENDATION

Report on bids and award of contract for the MCC H1, MCC H2, MCC J1, and MCC J2 Replacement Project to the lowest responsive bidder, Dynalectric Company, in the amount of \$1,637,295; and approval of a budget contingency of 15% contract amount, in the amount of \$245,595.

OUTCOME

Approval of this construction contract will provide for the replacement of four aging motor control centers at the Plant and improve the Plant's electrical reliability. Approval of a 15% contingency will provide funding for any work necessary for the proper completion or construction of the project as contemplated by the construction contract."

BACKGROUND

In 2004, a study of the Plant's electrical system was completed. The study recommends that several motor control centers (MCC) be replaced. An MCC is an assembly of electrical components to control and distribute power to motors and other electrical devices. The Plant consists of a total of 42 MCCs. Of these 42 approximately 22 are in need of replacement due to age over the next 5 to 10 years.

In the study, MCC H1 and MCC J1 were rated as two of the most highly recommended to be replaced. After further assessment, plant staff decided to also replace MCC H2 and MCC J2 since MCC H2 and MCC J2 are as old as MCC H1 and MCC J1. The four MCCs are located in the Secondary Blower Building (SBB) and control operations of Secondary facilities, Cooling Tower system, Power and Air systems, Digester system and Primary system. These systems are critical to ensure that all flows to the Plant can be treated. The four MCCs are showing signs of aging and deterioration. The old design and deterioration of the four MCCs have made it necessary to replace them in order to increase the reliability of the Plant electrical system. This project is one in a series of projects in an effort to upgrade the Plant's electrical reliability.

ANALYSIS

Bids were opened on 5 November 2009 with the following results:

<u>Contractor</u>	<u>City</u>	<u>Bid Amount</u>	<u>Variance Over/(Under) Engineer's Estimate</u>	
			<u>Amount</u>	<u>Percent</u>
Engineer's Estimate		\$2,683,206		
Blocka Construction	Fremont	\$2,330,000	(\$353,206)	(13%)
Vellutini Corporation dba Royal Electric Company	Sacramento	\$1,897,000	(\$786,206)	(29%)
Anderson Pacific	Santa Clara	\$1,755,000	(\$928,206)	(35%)
Rosendin Electric	San Jose	\$1,637,789	(\$1,045,417)	(39%)
Dynalectric	San Francisco	\$1,637,295	(\$1,045,911)	(39%)

Staff received and analyzed all five submitted bids and determined all of them to be responsive, except for Blocka Construction, which did not acknowledge the addendum. Dynalectric is the lowest bidder with a bid price of \$1,637,295, which is 39% below the engineer's estimate. This bid and the variance between the engineer's estimate is reflective of the current competitive bid-market due to the economic downturn.

Council Policy provides for a standard contingency of 10% on public works projects involving utilities. However, staff recommends a 15% contingency because this project involves MCCs that were installed more than 40 years ago and were modified many times over the years. As was seen with many recent rehabilitation projects at the Plant, construction in an active area of the treatment process presents unique challenges that are unknown during design. The 15%

contingency is expected to cover for any unanticipated tasks necessary for proper completion of this work.

EVALUATION AND FOLLOW-UP

The project is currently within budget with a projected completion of March 2012. Should additional changes to the project be required due to change orders executed beyond the appropriated contingency, staff will bring forward those changes for approval by Council.

POLICY ALTERNATIVES

Alternative # 1: Reject all bids and drop the project.

Pros: Ability to fund alternative capital projects.

Cons: Continued use of existing degraded electrical distribution system poses a great risk to reliable operation of the plant.

Reason for not recommending: If this project is not implemented, the Plant's electrical distribution system is susceptible to failure which could lead to the Plant's inability to distribute power and treat wastewater, causing severe damage to electrical distribution system and equipment from flooding, and potentially discharging untreated wastewater into the bay.

Alternative # 2: Reject all bids and have staff complete this project.

Pros: The Plant's staff is familiar with the equipment and Plant conditions, and could provide a design and installation more efficiently.

Cons: The Plant's staff time will be substantially increased to design and install the MCCs.

Reason for not recommending: The existing Plant staffing cannot support the additional design and construction effort required to procure and install the MCCs.

PUBLIC OUTREACH / INTEREST

This action meets criteria 1 below. A Notice-to-Contractors inviting qualified firms to submit bids was published by the City Clerk's Office in the San Jose Post Record, and by the City's Project Manager on the Environmental Services Department website and Public Works Department Bid Hotline. Bid documents were also sent to the Builder's Exchanges of the surrounding Bay area cities and counties. This memo will be posted on the City's website for the December, 15, 2009 Council Agenda.

- Criteria 1: Requires Council action on the use of public funds equal to \$1 million or greater; **(Required: Website Posting)**

- 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. **(Required: E-mail and Website Posting)**

- 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. **(Required: E-mail, Website Posting, Community Meetings, Notice in appropriate newspapers)**

COORDINATION

This project and memorandum have been coordinated with Risk Management, Office of Equality Assurance, the City Manager's Budget Office, and the City Attorney's Office. This item is scheduled to be heard at the December 10, 2009 Treatment Plant Advisory Committee (TPAC) meeting.

FISCAL/POLICY ALIGNMENT

This project is consistent with the Council approved Budget Strategy to focus on rehabilitating aging Plant infrastructure, improve efficiency, and reduce operating costs. This project is also consistent with the budget strategy principle of focusing on protecting our vital core services.

COST SUMMARY/IMPLICATIONS

- 1. AMOUNT OF RECOMMENDATION/COST OF PROJECT: **\$1,637,295**

- 2. COST ELEMENTS OF PROJECT:
 - Construction **\$1,637,295**
 - Contingency **\$245,595**

 - TOTAL PROJECT COSTS** **\$1,882,890**

 - Prior Year Expenditures **\$0**

 - REMAINING PROJECT COSTS** **\$1,882,890**

- 3. SOURCE OF FUNDING: 512 - San Jose-Santa Clara Treatment Plant Capital Fund.
Existing funds are available for this project. No additional appropriation action is required.

4. **FISCAL IMPACT:** The proposed operating and maintenance costs of this project have been reviewed and it has been determined that the project will have no impact to the Treatment Plant Operations and Maintenance budget.

BUDGET REFERENCE

The table below identifies the fund and appropriations proposed to fund the contract recommended as part of this memo and remaining project costs, including project delivery, construction, and contingency costs.

Fund #	Appn #	Appn. Name	RC #	Total Appn	Amt. Recommended	Adopted Budget (Page)	Last Budget Action (Date, Ord. No.)
Remaining Project Costs					\$1,882,890		
Current Funding Available							
512	4341	Plant Electrical Reliability	158355	\$20,900,000	\$1,882,890	V-147	6/23/2009; 28593
Total Funding for Projects				\$20,900,000	\$1,882,890		

CEQA

Exempt, PP04-03-079

/s/
 JOHN STUFFLEBEAN
 Director, Environmental Services

For questions, please contact Bhavani Yerrapotu, Division Manager, Environmental Services, at 945-5321.