

Public Utilities Department

Pure Water – Stantec Consulting, Contract Amendment

Metro Wastewater Joint Powers Authority

June 06, 2019





Stantec Contract: Terms and Scope

Terms

- Initiated January 2015
- Original authorization: \$30M
- Amended in December 2016: \$16.4M
- Amended in February 2019: \$10M
- Proposed Total Contract Amount with Amendment 3: \$94.1M

Scope

- Pure Program Administration and Controls
- Planning and Engineering Support
- Design Support
- Environmental Consultant Coordination
- Permitting and Regulatory Support
- Public Education and Stakeholder Engagement



Stantec Contract: Recent Accomplishments

- Submitted final Title 22 Engineering report
- Submitted 100% design for the High Purity Oxygen (HPO) System for review by DSD
- Completed pilot study to examine the impact of Pure Water on Miramar WTP
- Finished pipe loop testing to determine impacts of Pure Water on the City's water distribution system
- Finalized and bound the Owner Controlled Insurance Program (OCIP) contract
- Performed high-level alternatives assessment for Phase 2 Facilities

Current Stantec Contract: Ongoing Work

- Program management and outreach services
- PMWeb implementation support
- OCIP administration support
- NPDES permitting regulatory support
- Miramar Reservoir modeling
- North City Renewable Energy Project
 - *RFP Support*
 - *Energy Economic Model*
- IWCP support





Current Subconsultant Status

Subconsultant Participation

- Stantec Contract Actual Participation*
 - *Total E/SLBE Participation = 22.8%*
 - *Total Certified Participation = 27.3%*
- Stantec Amendment Projections
 - *E/SLBE Participation = 22.6%*
 - *Certified Participation = 30.6%*

Small Business Outreach

- Supported Creation of 2 New ELBE Firms on our Team
- Held Two Small Business Outreach Events for Pure Water in 2016
 - *City of San Diego Logan Heights Library*
 - *City Metropolitan Operations Center*
- Supported 2018 Contractor Expo

*Data as of 04/24/2019



Photo by MrGALL

Stantec Contract: Proposed Amendment

- **Extends contract for 5 years and increases contract value by \$37.7 million**
- **Supports Phase 1 activities, such as:**
 - Ongoing Phase 1 Program Controls and Outreach Support
 - Project Interface Design Analysis
 - Pre-commissioning Requirements Coordination
 - Phase 1 Operations and Treatment Optimization Support
 - Local Limits Evaluation
 - Additional Miramar Modeling Studies
 - Drinking WTP Residuals Study



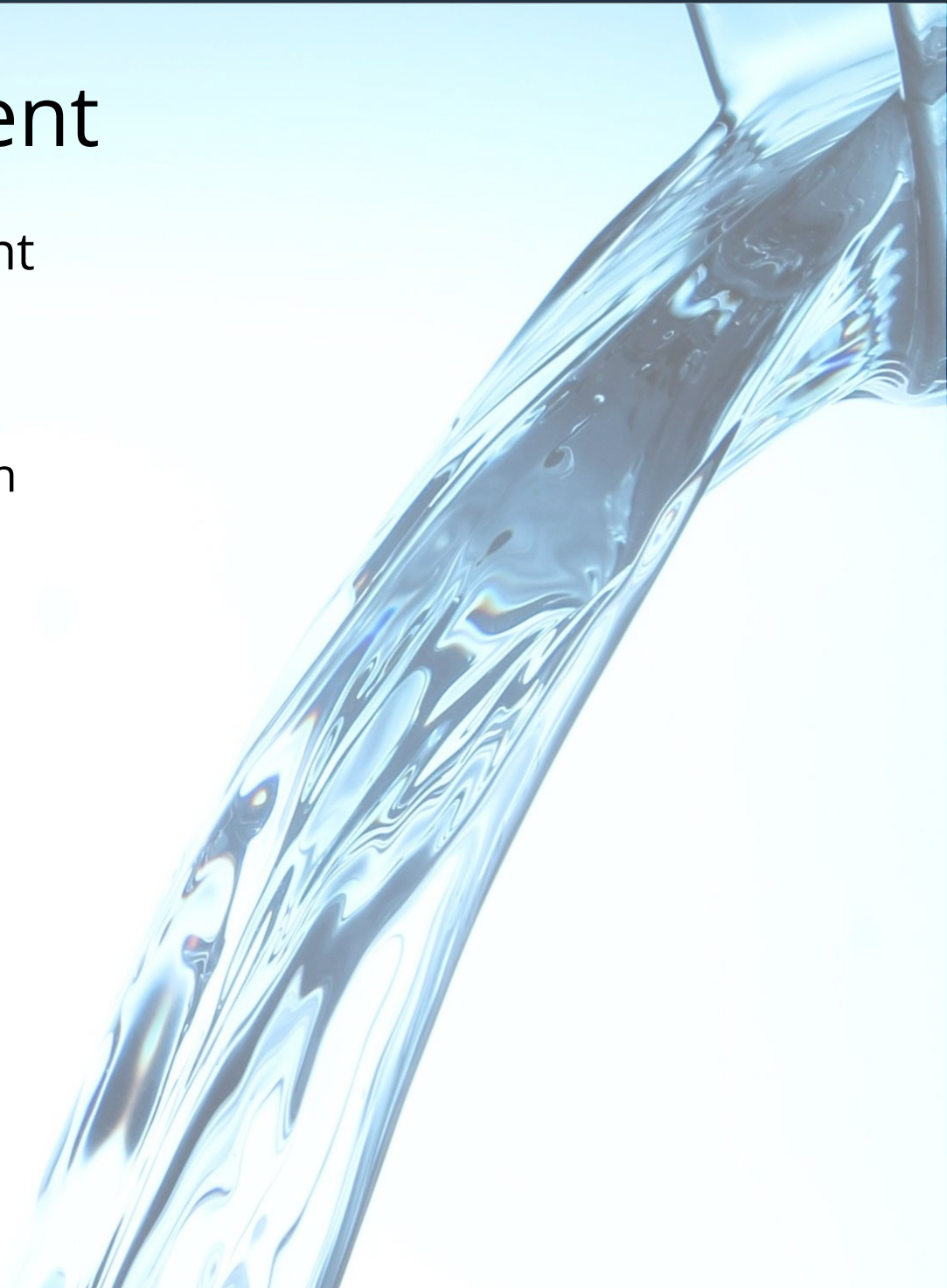
Stantec Contract: Proposed Amendment (Cont.)

- **Supports Phase 2 planning activities, such as:**
 - Phase 2 Impacts on Biosolids Handling at MBC
 - Phase 2 Impacts of RO brine and Biosolids at PLWTP
 - Purified Water Conveyance Alternatives
 - Innovative Technology Evaluation
- **Includes Phase 2 Demonstration Facility construction and operations support**



Benefits of Amendment

- Maintains program management continuity through Phase 1 completion, supporting:
 - Program controls and outreach
 - Phase 1 Technical Studies
 - Startup of the North City Pure Water projects
- Provides Phase 2 concept development and regulatory direction





Amendment Contract Breakdown

Total Amendment:	\$37.7M
Wastewater % of Total Amendment:	~39%
Wastewater Portion of Amendment:	~\$14.7M
JPA portion of the Amendment (33%)	~\$4.9M





Stantec Amendment Approval Schedule

Activity	Date
Metro TAC	May 2019
Metro JPA/Metro Commission	June 2019
Environment Committee	September 2019
City Council Approval	October 2019
Notice to Proceed	December 2019



Questions?





Authorized Task Orders in Original Contract

Task Order Number	Description	Total Cost	Wastewater Cost	Water Cost
1	Program Initiation	\$ 2,031,032	\$ 1,015,516	\$ 1,015,516
2	Pre-Designs of North City Upgrades	\$ 14,222,146	\$ 4,312,243	\$ 9,909,903
3	San Vicente Reservoir Modeling to Support Concept Approval Application	\$ 226,544	\$ -	\$ 226,544
4	Impact of Pure Water on Water Treatment Plant Operations	\$ 333,922	\$ -	\$ 333,922
5	PMO/Program Management Services (FY16: July 2015 - June 2016)	\$ 2,904,837	\$ 1,452,419	\$ 1,452,419
6	Stress Testing and In-Operation Capacity of NCWRP	\$ 150,250	\$ 150,250	\$ -
7	Cogeneration Evaluation for NCWRP and APWF	\$ 420,489	\$ 210,245	\$ 210,245
8	Options for Conveyance Termination at San Vicente Reservoir Pipeline	\$ 146,381	\$ -	\$ 146,381
9	Test Plan and Analysis for Prequalification and Preselection for NCAWPF	\$ 1,579,367	\$ -	\$ 1,579,367
10	Technical Advisory Committee Review of North City Predesigns	\$ 49,656	\$ 24,828	\$ 24,828
11	Impact of RO Brine on Wastewater Treatment Plant Operations	\$ 228,340	\$ -	\$ 228,340
12	Regulatory Support for Proposed North City Area Projects	\$ 1,538,205	\$ 769,103	\$ 769,103
13	Strategic Oversight of Environmental Issues for Pure Water Program	\$ -	\$ -	\$ -
14	Phase I Environmental Site Assessment	\$ 19,404	\$ -	\$ 19,404
15	Small Business Outreach	\$ 69,122	\$ 34,561	\$ 34,561
16	Centrate Management Options Study	\$ 44,446	\$ 44,446	\$ -
17	Establish Pure Water Automation (COMNET) Requirements	\$ 172,903	\$ 86,452	\$ 86,452
18	Evaluate Impacts of NCWRP Expansion on MBC	\$ 351,704	\$ 351,704	\$ -
19	Public Outreach and Education Services (April 1, 2016 - June 30, 2018)	\$ 1,396,674	\$ 698,337	\$ 698,337
20	Operator Training for Future AWPF	\$ 250,971	\$ -	\$ 250,971
21	Develop Enterprise Level Control Strategy	\$ 52,365	\$ 26,183	\$ 26,183



Authorized Task Orders Including Amendments

Task Order Number	Description	Total Cost	Wastewater Cost	Water Cost
22	Miramar Reservoir Modeling	\$ 818,842	\$ -	\$ 818,842
23	PMO Staffing	\$ 7,397,587	\$ 3,698,794	\$ 3,698,794
24	Update 2009 Biosolids Processing Evaluation	\$ 354,439	\$ 354,439	\$ -
25	Value Engineering	\$ 313,684	\$ 128,389	\$ 185,295
26	Centrate Disposal Evaluation	\$ 138,727	\$ 138,727	\$ -
27	Update Spec Sections 13300, 13400	\$ 87,937	\$ 43,969	\$ 43,969
28	Design Reviews and Tech Support	\$ 1,391,274	\$ 717,910	\$ 673,364
29	RFQ Tech Support of DBFOM	\$ 546,333	\$ 273,167	\$ 273,167
30	NCWRP White Paper	\$ 146,160	\$ 146,160	\$ -
31	NCPW OM Readiness Master Plan	\$ 202,418	\$ 101,209	\$ 101,209
32	Construction Management (CM) Planning	\$ 94,172	\$ 47,086	\$ 47,086
33	Study of Alternatives to 30% EDR	\$ 14,386	\$ -	\$ 14,386
34	Pipe Loop Study	\$ 347,710	\$ -	\$ 347,710
35	Miramar WTP Study	\$ 410,300	\$ -	\$ 410,300
36	DSD & Env Review Technical Support	\$ 10,215	\$ 5,108	\$ 5,108
37	NCREP 10 Percent Pre-Design	\$ 1,122,442	\$ 561,221	\$ 561,221
38	CA Alternatives Analysis	\$ 231,106	\$ 115,553	\$ 115,553
39	OCIP Support Services	\$ 323,926	\$ 161,963	\$ 161,963
40	Black & Veatch Financial Support	\$ 266,805	\$ 133,403	\$ 133,403
41	COMNET Support Services	\$ 50,000	\$ 25,000	\$ 25,000
42	IWCP Support Services	\$ 204,075	\$ 102,038	\$ 102,038
43	Miramar DWTP Residuals Study	\$ 65,069	\$ -	\$ 65,069
44	HPO Testing and Design	\$ 369,736	\$ -	\$ 369,736
45	Public Outreach and Education Services (July 1, 2018 - March 31, 2019)	\$ 1,088,511	\$ 544,256	\$ 544,256
46	Pure Water On-Site Program Management Services	\$ 3,862,192	\$ 1,931,096	\$ 1,931,096
47	Energy Economics Support Services	\$ 69,008	\$ 34,504	\$ 34,504
Total Authorized Amount to Date		\$ 46,115,812	\$ 18,440,272	\$ 27,675,540

Data as of 04/24/19

Bold = Ongoing Task Order

Future Task Orders

Task Order	Description
A	PMO Core Team Staffing (Jan 2020 - Dec 2024)
B	Public Outreach Staffing (Jan 2020 - Dec 2024)
C	Water Treatment Plant Residuals Management Study
D	Phase 1 - North City Technical Studies and Support (multiple Task Orders): <ul style="list-style-type: none"> - Local Limits Evaluation - Additional Miramar Modeling Studies - Phase 1 Operations and Treatment Optimization Support - Project Interface Design Analysis
E	Phase 2 Regulatory Support
F	Phase 2 Technical Planning and Studies (multiple Task Orders): <ul style="list-style-type: none"> - Impacts of Phase 2 Biosolids Handling at MBC - Impacts of Phase 2 RO Brine and Biosolids Handling at PLWWTP - Validation Assessment and Analysis of Appropriate Delivery Methodology - Technical Assessment of Phase 2 Alternatives - Options for Conveyance System Termination - Innovative Technology Review
G	Phase 2 Demonstration Facility Planning and Design, and Construction/Operations Support