

REQUEST FOR COUNCIL ACTION CITY OF SAN DIEGO	CERTIFICATE NUMBER (FOR COMPTROLLER'S USE ONLY) 3000004792
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TO: CITY COUNCIL	FROM (ORIGINATING DEPARTMENT): Public Works/Engineering-AEP	DATE: 01/04/2012
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SUBJECT: Awarding Brown and Caldwell a Contract for Engineering Consultant Services for the Design of the Metropolitan Biosolids Center (MBC) Odor Control Facility Upgrades.

PRIMARY CONTACT (NAME, PHONE): Darren Greenhalgh,(619) 533-5600 MS 908A	SECONDARY CONTACT (NAME, PHONE): Asgharzadeh / da Rosa, 619) 533-5105/533-4629 MS 908A
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COMPLETE FOR ACCOUNTING PURPOSES

FUND	700009				
DEPT / FUNCTIONAL AREA	OTHR-00000000-PR				
ORG / COST CENTER	2012111216				
OBJECT / GENERAL LEDGER ACCT	512034				
JOB / WBS OR INTERNAL ORDER	S-00323.02.02				
C.I.P./CAPITAL PROJECT No.	S00323				
AMOUNT	\$1,057,112.00	0.00	0.00	0.00	0.00

FUND					
DEPT / FUNCTIONAL AREA					
ORG / COST CENTER					
OBJECT / GENERAL LEDGER ACCT					
JOB / WBS OR INTERNAL ORDER					
C.I.P./CAPITAL PROJECT No.					
AMOUNT	0.00	0.00	0.00	0.00	0.00

COST SUMMARY (IF APPLICABLE): Engineering - \$1,057,112.00

ROUTING AND APPROVALS

CONTRIBUTORS/REVIEWERS:	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED
Liaison Office	Comptroller	ORIG DEPT.	Heinrichs, Tony
Environmental Analysis		CFO	
Equal Opportunity Contracting		DEPUTY CHIEF	
MWWD		COO	
Financial Management		CITY ATTORNEY	
		COUNCIL PRESIDENTS OFFICE	

PREPARATION OF: RESOLUTIONS ORDINANCE(S) AGREEMENT(S) DEED(S)

1. The Mayor or his designee is authorized to execute an agreement with Brown and Caldwell for Engineering

Consultant Services for the Design in CIP S00323, MBC Odor Control Facility Upgrades, Fund 700009, Sewer, in an amount not to exceed \$1,057,112; and,

2. The Chief Financial Officer is authorized to expend in an amount not to exceed \$1,057,112 from CIP S-00323, MBC Odor Control Facility Upgrades, Fund 700009, Sewer, for the purpose of executing this agreement.

STAFF RECOMMENDATIONS:

Adopt the resolutions.

SPECIAL CONDITIONS (REFER TO A.R. 3.20 FOR INFORMATION ON COMPLETING THIS SECTION)

COUNCIL DISTRICT(S): 7 (Marti Emerald)

COMMUNITY AREA(S): None

ENVIRONMENTAL IMPACT: This activity is Categorically Exempt from CEQA pursuant to State CEQA Guidelines Section 15301 (Existing Facilities).

CITY CLERK INSTRUCTIONS: Upon Council approval, please forward two copies of the 1472 and Resolution(s) to Joanne Ferrer, MS-908A, and one copy to Norman Reyes, MS-6A.

COUNCIL ACTION
EXECUTIVE SUMMARY SHEET
CITY OF SAN DIEGO

DATE: 01/04/2012

ORIGINATING DEPARTMENT: Public Works/Engineering-AEP

SUBJECT: Awarding Brown and Caldwell a Contract for Engineering Consultant Services for the Design of the Metropolitan Biosolids Center (MBC) Odor Control Facility Upgrades.

COUNCIL DISTRICT(S): 7 (Marti Emerald)

CONTACT/PHONE NUMBER: Darren Greenhalgh/(619) 533-5600 MS 908A

DESCRIPTIVE SUMMARY OF ITEM:

The City of San Diego's Public Utilities Department operates the Metro Biosolids Center (MBC), a regional biosolids processing facility located adjacent to the City's Miramar Landfill in Kearny Mesa. This Consultant Agreement is to improve the Odor Control System.

STAFF RECOMMENDATION:

Adopt the resolutions.

EXECUTIVE SUMMARY OF ITEM BACKGROUND:

The City of San Diego's Public Utilities Department operates the Metro Biosolids Center (MBC), a regional biosolids processing facility located adjacent to the City's Miramar Landfill in Kearny Mesa. MBC consists of digestion system, solids thickening and dewatering, and waste energy cogeneration processes. Foul air from the plant's process areas is collectively ducted, treated, and exhausted by (2) Odor Control Systems(OCS).

The odor control and ventilation systems for the various MBC processing areas were constructed under different contract packages, hampering the ability of these systems to be balanced as a whole. Because of this, neither system are able to operate at their designed air flow capacities.

This results in inadequate foul air collections and prevents the development of negative air pressure in the process units and buildings. Ineffective capture of foul air at Truck Loading Area, has also resulted in emissions from process vessels occasionally making some work areas unpleasant and causing odors to linger in some outdoor locations at the MBC site.

Access Platforms to major components in elevated areas of both OCS were never provided making the Operation and Maintenance (O&M) access unsafe.

The selection of a Professional Engineering Firm for Design of the Odor Control System Upgrade at MBC was thru a competitive selection process.

The Project requires the following consultant design services:

- Provide O&M access platforms/catwalks to the overhead equipment and control instruments,
- Readjust fan speeds, upsize motors, and modify existing ductwork as require complying with the required airflow capacities.
- Separate the Grit/Screenings Removal facility into a general ventilation area and foul air collection area. Revise the system to comply with each of the areas ventilation requirements.
- Design foul air collection "fume hood" at each of the two truck loadout areas/lanes (including emergency loadout areas), increase airflow capacities, and modify ductwork accordantly.

- Balance the OCS airflows.
- Modify the Distributed control System (DCS) control strategy to ensure that sufficient foul air is being collected from the odor sources and treated.

FISCAL CONSIDERATIONS:

The total estimated project cost for the Engineering Consultant Services for the Design and construction support is \$1,057,112 which includes \$953,752 per scope of services and \$103,360 of additional services. Enterprise funding of \$1,057,112 is available in CIP S00323, MBC - Odor Control Facility Upgrades, Fund 700009, Sewer, for this purpose. The project's cost may be reimbursed with current or future financing, which may include bond proceeds and/or SRF loans. This project is funded in Fiscal Year 2012. No future funding is anticipated.

EQUAL OPPORTUNITY CONTRACTING INFORMATION (IF APPLICABLE):

This agreement is subject to the City's Equal Opportunity Contracting (San Diego Ordinance No. 18173, Section 22.2701 through 22.2702) and Non-Discrimination in Contracting Ordinance (San Diego Municipal Code Sections 22.3501 through 22.3517)

PREVIOUS COUNCIL and/or COMMITTEE ACTION (describe any changes made to the item from what was presented at committee): N/A

COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS:

This project was approved by the Metro Participating Agencies at the Metro Technical Advisory Committee (TAC) and the Metro Commission.

KEY STAKEHOLDERS AND PROJECTED IMPACTS:

Metro Commission and Metro Wastewater JPA.

Heinrichs, Tony

Originating Department

Deputy Chief/Chief Operating Officer

PROJECT COST ESTIMATE

MBC Odor Control Facility Upgrades	Agreement	X	Prepared by:	Idalmiro da Rosa
	Advertise		Date:	January 17, 2012
(Project Title)	Award		WBS No.	S-00323

ACTIVITY	CIP NO. OR OTHER SOURCE OF FUNDS			TOTALS	% OF E
% OF E	Current S-00323	This Request S-00323	TOTAL		
A. <u>Planning/Design/Administration</u>					
512114 Preliminary Engineering	0.86%	10,000.00		10,000.00	
512034 Outside Engii	0.00%	0.00		0.00	
512114 Construction Engineering	8.57%	100,000.00		100,000.00	
512034 Engineering Design (B&C)	90.58%	0.00	1,057,113.00	1,057,113.00	
Engineering Design #2	0.00%	0.00	0.00	0.00	
Environ. Impact Studies	0.00%	0.00	0.00	0.00	
Professional Services	0.00%	0.00	0.00	0.00	
Construction Management	0.00%	0.00	0.00	0.00	
Reimbursement Agreements	0.00%	0.00	0.00	0.00	
Total Planning/Design/Administration		110,000.00	1,057,113.00	1,167,113.00	100%
B. <u>Construction</u>					
512059 Safety	0.00%			0.00	
512025 Prime Construction Contract	0.00%	0.00		0.00	
512160 Design - Build Contracts	0.00%			0.00	
512027 Suppl. Constr. Contract	0.00%			0.00	
512116 City Forces Work	0.00%	0.00	0.00	0.00	
512048 OCIP / Professional Liability	0.00%			0.00	
513006 SDDPC Support	0.00%			0.00	
Total Construction		0.00	0.00	0.00	0%
C. <u>Equipment and Furnishings</u>					
511086 Pipe Fittings	0.00%			0.00	
512236 Construction Related	0.00%			0.00	
Total Equipment and Furnishings		0.00	0.00	0.00	0%
D. <u>Contingencies</u>					
512133 Contingencies	0.00%	0.00		0.00	
Pooled Contingencies	0.00%			0.00	
Total Contingencies		0.00	0.00	0.00	0%
SUBTOTAL		110,000.00	1,057,113.00	1,167,113.00	100%
E. <u>Equipment & Furnishings</u>					
512236 By Benefiting Dept.				0.00	0.00
F. <u>Land Acquisition</u>					
512204 Land Acquisition			0.00	0.00	0.00
TOTAL PROJECT COST		\$110,000.00	\$1,057,113.00	\$1,167,113.00	\$1,167,113.00
			Prev. Auth. Res. #		
			Prev. Auth. Res. #		
			Prev. Auth. Res. #		
			Prev. Auth. Res. #		
			Prev. Auth. Res. #		
			Prev. Auth. Res. #		
			Total Previous Authorized	0.00	
			ADDITIONAL AUTH. REQUIRED	\$1,167,113.00	

COMMENTS:

The City of San Diego
COMPTROLLER'S CERTIFICATE

CERTIFICATE OF UNALLOTTED BALANCE

ORIGINATING CC 3000004792
 DEPT. NO. 2100

I HEREBY CERTIFY that the money required for the allotment of funds for the purpose set forth in the foregoing resolution is available in the Treasury, or is anticipated to come into the Treasury, and is otherwise unallotted.

Amount: _____

Purpose: _____

Date: _____ By: _____
 COMPTROLLER'S DEPARTMENT

ACCOUNTING DATA									
Doc. Item	Fund	Funded Program	Internal Order	Functional Area	G/L Account	Business Area	Cost Center	WBS	Original Amount
TOTAL AMOUNT									

FUND OVERRIDE

CERTIFICATION OF UNENCUMBERED BALANCE

I HEREBY CERTIFY that the indebtedness and obligation to be incurred by the contract or agreement authorized by the hereto attached resolution, can be incurred without the violation of any of the provisions of the Charter of the City of San Diego; and I do hereby further certify, in conformity with the requirements of the Charter of the City of San Diego, that sufficient moneys have been appropriated for the purpose of said contract, that sufficient moneys to meet the obligations of said contract are actually in the Treasury, or are anticipated to come into the Treasury, to the credit of the appropriation from which the same are to be drawn, and that the said money now actually in the Treasury, together with the moneys anticipated to come into the Treasury, to the credit of said appropriation, are otherwise unencumbered.

Not to Exceed: \$1,057,112.00

Vendor: Brown and Caldwell

Purpose: 1472 authorize expenditure to execute an agreement for engineering consultant services for the design of the Metropolitan Biosolids Center (MBC) Odor Control Facility Upgrades S-00323 project.

Date: February 1, 2012 By: Norman Reyes
 COMPTROLLER'S DEPARTMENT

ACCOUNTING DATA									
Doc. Item	Fund	Funded Program	Internal Order	Functional Area	G/L Account	Business Area	Cost Center	WBS	Original Amount
001	700009	S00323		OTHR-00000000-PR	512034	2012		S-00323.02.02	\$1,057,112.00
TOTAL AMOUNT									\$1,057,112.00

FUND OVERRIDE

CC 3000004792

DOCKET SUPPORTING INFORMATION
CITY OF SAN DIEGO

DATE:
February 10, 2012

EQUAL OPPORTUNITY CONTRACTING PROGRAM EVALUATION

SUBJECT: Awarding Brown and Caldwell a contract for Engineering Consultant Services for the Design of the Metropolitan Bio-solids Center (MBC) Odor Control Facility Upgrades (H115408)

GENERAL CONSULTANT INFORMATION

Recommended Contractor: Brown and Caldwell (Non Certified)

Amount of this Action: \$ 1,057,112.

Funding Source: City of San Diego

Goals: 20% Voluntary

SUBCONSULTANT PARTICIPATION

	<u>This Action</u>	<u>Percent</u>
Allied Geotechnical Engineers Inc (SLBE, DBE, WBE)	\$ 12,000	1.14%
Libby Engineers Inc (SLBE, DBE, WBE)	\$ 135,000	12.77%
Chambers Group, Inc (SLBE, MBE)	\$ 21,000	2.00%
Simon Wong Engineering (SLBE, MBE)	\$ 12,000	1.14%
Total Certified Participation	\$ 180,000	17.05%
Total Non Certified Participation	\$ 000	0.00%
Total Subcontractor Participation	\$ 180,000	17.05%

EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE

Equal Opportunity Required:

Brown and Caldwell submitted a Work Force Report for their San Diego employees dated, April 29, 2011 indicating 43 employees in their Administrative Work Force. The Administrative Work Force indicates underrepresentation in the following categories:

Asian and Filipino in A&E, Science, Computer

An approved EO Plan dated April 30, 2010 is on file. EOC staff will continue to monitor workforce compliance with the City's Municipal Code and departmental requirements.

This agreement is subject to the City's Equal Opportunity Contracting (San Diego Ordinance No. 18173, Section 22.2701 through 22.2708) and Non-Discrimination in Contracting Ordinance (San Diego Municipal Code Sections 22.3501 through 22.3517).

ADDITIONAL COMMENTS

RW