NOTICE TO ARCHITECTS, ENGINEERS, AND PLANNERS

NOTICE IS HEREBY GIVEN, that the City of Oklahoma City has a project that requires the services of a consulting firm.

In order to be considered, the Consultant must comply with the Resolution establishing procedure for "Selection of Architects, Engineers, and Planners" adopted by the City Council on November 18, 1986, a copy of which may be obtained at http://okc.gov/departments/public-works/engineer-architect-resources/notice-to-a-e from the office of the Public Works Department Director.

The Project is as follows: **WM-0288**, Resiliency Improvements for Water Booster Stations - Citywide

Estimated Cost: $10,000,000

Scope of work: This project will construct improvements at nine (9) water booster stations to allow for emergency power generation at these booster stations to improve system resiliency. The Engineer will be required to provide preliminary engineering, design, bidding, construction administration, inspection, and as-built services for the project.

A question and answer meeting will be held from 9:00 to 10:00 am on November 20, 2018 at 420 W. Main Street, Suite 500, Conference Room A. Please address your questions at the meeting. The Utilities Department contact is Nathan Madenwald at (405) 297-2068.

As a part of your Letter of Interest, provide your understanding of the project and your expertise and experience on similar projects.

Refer to the basic contract located on http://okc.gov/departments/public-works/engineer-architect-resources/notice-to-a-e . All contracts with the City or its related Trusts use this contract. Please review the contract to ensure insurance and indemnity requirements will be met.

Please include a 254 Form with your Letter of Interest.

Time Schedule for the above project: Preliminary Report is required within ninety (90) days of the issuance of the Work Order. Last date for submitting Letter of Interest **(two copies of letter and all attachments and an electronic copy, provided on a CD or flash drive)** to the Public Works Department Director, 420 W. Main Street, Suite 700, Oklahoma City, OK 73102: prior to 5:00 p.m. November 27, 2018. Emailed submittals are not being accepted at this time.

Eric J. Wenger, P.E., Director
Public Works/City Engineer

The City of
OKLAHOMA CITY
UTILITIES DEPARTMENT

September 28, 2018

Project Title: Resiliency Improvements for Water Booster Stations

Project Location: Booster Stations – Citywide

Project Number: WM-0288

Estimated Project Cost: $10,000,000

Project Description: This project will construct improvements at nine (9) water booster stations to improve the resiliency of the installations to allow for their operation during emergency situations.

Background: The Oklahoma City Water Utilities Trust (OCWUT) operates and maintains the Oklahoma City water distribution system, including 16 booster stations. Several water booster stations do not have emergency generators thereby reducing the overall resiliency of the water distribution system.

Project Intent: The Consultant will provide preliminary engineering, final design, bidding, construction administration, construction management, inspection, and as-built drawing services to upgrade the nine (9) water booster stations with permanent on-site emergency generation and will generate specifications for the purchase of any required mobile emergency generators.

Proposal Instructions: Upon public advertisement, interested consulting firms will have four (4) weeks to prepare general qualification proposal materials. During this stage of the general qualifications material development, OCWUT staff will hold a question and answer session 14 days prior to the due date regarding this project. Three firms will be identified for a set interview date four (4) weeks in advance of said event. During this second four (4) week period the three identified firms may engage OCWUT staff in individual meetings to gain further project specific knowledge in advance of the interview session.

Administration Division • 420 West Main, Suite 500 • Oklahoma City, OK 73102
405/297-2422 • FAX 405/297-3813

The Utilities Department for the City of Oklahoma City leases and operates the water treatment plants, booster stations, storage tanks and the transmission and distribution systems to provide water service to its customers. The booster stations are a key part of this system in providing this water service and therefore must be able to operate during electrical outages or have a backup alternative to provide service.

Currently, sixteen (16) booster stations are in operation. Each station was evaluated in regards to onsite emergency power generation and/or a mobile emergency generator quick connect. Table 1 details the stations requiring improvements along with associated costs.

TABLE 1 – PERMANENT BOOSTER STATION IMPROVEMENTS

RANK	BOOSTER STATION	NAME / DESC.	FIRM CAP. (MGD)	EX. ELEC. QUICK CON.?	EX. EMER. GEN.?	REQ. EMER. GEN.	REQ. GEN. SIZE (KW)	COMM.	EST. COST
PROPOSED UPGRADES ON CURRENT CAPITAL PROJECTS									
-	*8*	*Colfax*	*32.5*	*Y*	*N*	*Y*	2 - 1500	*Project WC-0870*	$820,000
-	9	Reno & Council (Outlet Mall)	25	Y	N	Y	2,000	*Project WC-0930*	$1,810,000
-	15	Ann Arbor	10.1	Y	N	Y	1,500	*In 5-yr CIP*	$1,720,000
SUBTOTAL - CURRENT CAPITAL PROJECTS									**$4,350,000**
PROPOSED UPGRADES ON FUTURE CAPITAL PROJECTS									
4	18	Morgan Rd	7.1	Y	N	Y	242	Serves W OKC.	$490,000
2	21	SE 89th & Button	2.8	Y	N	Y	104	Serves Heart Hosp.& Quad Graphic	$290,000
1	22	SW 29th & Council / Yukon	6	Y	N	Y	459	Serves SW OKC.	$1,800,000
3	23	SE 89th & I-35	2.9	Y	N	Y	138	Star Building	$290,000
6	25	SW 104th & Portland	42	Y	N	Y	1,441	Inter-connect	$2,430,000
7	Overholser	Dual Use Pump Station	42	Y	N	Y	1,500	Inter-connect	$2,600,000
SUBTOTAL - FUTURE CAPITAL PROJECTS									**$7,900,000**
FIRE BOOSTER STATIONS									
5	11	Will Rogers	7.2	N	N	Y	287	Fire booster	$950,000
5	12	Wiley Post	3.6	N	N	Y	287	Fire booster	$720,000
5	24	ARINC	3.6	N	N	Y	287	Fire booster	$720,000
SUBTOTAL - FIRE BOOSTERS									**$2,390,000**
TOTAL									**$14,640,000**

*Capital costs provided by Carollo Engineering as a result of their electrical system evaluations.

For the booster stations that do not require onsite emergency power generation, mobile generators would be used for any extended outage. Table 2 includes the booster stations that will be served by mobile emergency generators based on their service area and other emergency service options.

TABLE 2 – MOBILE GENERATOR REQUIREMENTS

BOOSTER STATION	NAME / DESC.	FIRM CAP. (MGD)	EX. ELEC. QUICK CONNECT?	EX. EMER GEN.?	REQUIRES EMER. GEN.?	MOB. GEN. SIZE (KW)	COMM.
7	FAA	2.6	Y	N	N	200	Elev. storage tank can temp. serve. Area could be served by other boosters.
13	Falls	0.6	Y	N	N	-	Storage tank plus backup service from Edmond.
14	Reno and Mustang	15	Y	N	N	-	BS 9 could serve BS 14 area for near future.
19	GM/TAFB TAC	2.7	Y	N	N	450	Not critical at this time.
20	County Line	2.2	Y	N	N	200	Booster station not currently in use.
TOTAL – MOBILE GENERATOR REQUIREMENTS							

Booster Station Emergency Generators

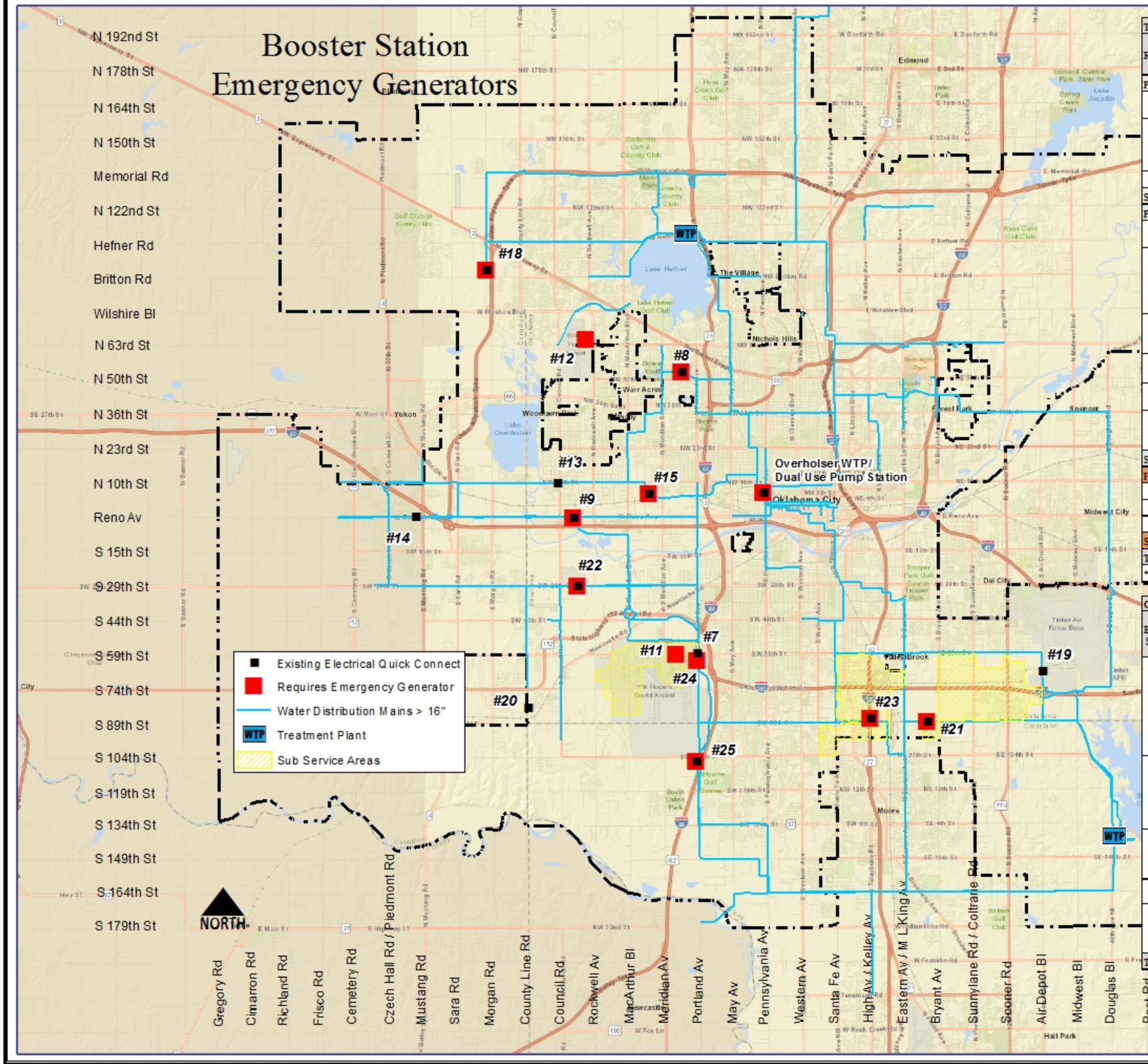

TABLE 1 – PERMANENT BOOSTER STATION IMPROVEMENTS									
RANK	Booster Station	Name / Desc.	Firm Cap. (MGD)	Ex. Elec. Quick Con.?	Ex. Emer. Gen.?	Req. Emer. Gen.	Req. Gen. Size (KW)	Comm.	Est. Cost
PROPOSED UPGRADES ON CURRENT CAPITAL PROJECTS									
-	8	Colfax	32.5	Y	N	Y	2 - 1500	*Project WC-0870*	$820,000
-	9	Reno & Council (Outlet Mall)	25	Y	N	Y	2,000	*Project WC-0930*	$1,810,000
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GENERATOR REQUIREMENTS							
BOOSTER STATION	NAME / DESC.	FIRM CAP. (MGD)	EX. ELEC. QUICK CONNECT?	EX. EMER GEN.?	REQUIRES EMER. GEN.?	MOB. GEN. SIZE (KW)	COMM.
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13	Falls	0.6	Y	N	N	-	Storage tank plus backup service from Edmond.
14	Reno and Mustang	15	Y	N	N	-	BS 9 could serve BS 14 area for near future.
19	GM/TAFB TAC	2.7	Y	N	N	450	Not critical at this time.
20	County Line	2.2	Y	N	N	200	Booster station not currently in use.
TOTAL – MOBILE GENERATOR REQUIREMENTS							

Map Created: 4/6/2018 by Tullius
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