



Public Works Department • Water and Wastewater Services
WATER AND WASTEWATER ENGINEERING DIVISION
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DATE: February 20, 2019

TO: Robert Melton, County Auditor

THRU: Alan Garcia, P.E., Director
Water and Wastewater Services

FROM: Gregory M. Balicki, P.E., Director
Water and Wastewater Engineering

SUBJECT: **RFP No. PNC2115559P1 - AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES FOR STUDIES AND REPORTS - ACCEPTANCE OF MULTIPLIER RATE AND OPERATING MARGIN**

Staff's experience with national firms that provide consultant services related to water and wastewater treatment includes higher overhead and fringe than local firms due to the specialty and expertise of these firms and the fact that these firms provide national research in these areas which, local, smaller firms do not. The overhead and fringe percentages provided was based on 2017 audited overhead and fringes percentages. A review of similar firm's contracts with the County, indicate that the multiplier ranged from 3.07 to 3.20. Attached is a spreadsheet that demonstrates the difference in multipliers of local vs. national firms for water and wastewater projects including treatment plant vs. distribution system projects.

If you have any questions regarding this project, you may contact Rolando Nigaglioni at (954) 831- 0882.

GMB/as

c: Rolando Nigaglioni/WWED
Nancy Olesen/Purchasing
Laura Rogers/Auditors Office

Project Nbr	Project Name	Vendor	Year Approved	Services	Multiplier	COMMENTS
9059	UAZ 303 / UAZ 316 / UAZ 318 & UAZ 314	CHEN & ASSOCIATES CONSULTING ENGINEERS	2008	Distr. & Coll. Design/CMS	3.070	LOCAL
1156	BROADVIEW PARK NIP	CHEN & ASSOCIATES CONSULTING ENGINEERS	2003	Distr. & Coll. Design/CMS	3.080	LOCAL
1149	CENTRAL COUNTY NIP BP 2.5.8. & 11	CHEN & ASSOCIATES CONSULTING ENGINEERS	1997	Distr. & Coll. Design/CMS	3.135	LOCAL
1152	NORTH COUNTY NIP NE QUAD BP 9-11	GRAVEN THOMPSON & ASSOCIATES INC	2006	Distr. & Coll. Design/CMS	2.620	LOCAL FIRM, OWNS BUILDING
1153	NORTH CENTRAL COUNTY NIP	GRAVEN THOMPSON & ASSOCIATES INC	1999	Distr. & Coll. Design/CMS	2.968	LOCAL FIRM, OWNS BUILDING
9051	UAZ 124, 308 & 310 PIPE REPLACEMENT	GRAVEN THOMPSON & ASSOCIATES INC	2005	Distr. & Coll. Design/CMS	2.440	LOCAL FIRM, OWNS BUILDING
1149	CENTRAL COUNTY NIP BP 1, 4, & 7	GRAVEN THOMPSON & ASSOCIATES INC	1996	Distr. & Coll. Design/CMS	2.968	LOCAL FIRM, OWNS BUILDING
1152	General Services Agreement	GRAVEN THOMPSON & ASSOCIATES INC	2013	Distr. & Coll. Design/CMS	2.740	LOCAL FIRM, OWNS BUILDING
1149	NORTH COUNTY NIP SW QUAD BP 13-15 & BP 12	MILLER LEGG & ASSOCIATES INC	2006	Distr. & Coll. Design/CMS	2.992	LOCAL
1149	CENTRAL COUNTY NIP BP 3, 6, 9, 10 & 12	SHAH, DROTOS & ASSOCIATES PA	1998	Distr. & Coll. Design/CMS	2.968	LOCAL
9197	Professional Services for Subsurface Utility Locating	GRAVEN THOMPSON & ASSOCIATES INC	2016	Distr. & Coll. Design/CMS	2.890	LOCAL FIRM, OWNS BUILDING
9197	NRWWTP STRUCTURAL STEEL	LADKAS-YOHALEM	2012	Distr. & Coll. Design/CMS	2.890	LOCAL
9195	General Services Agreement	KEITH & ASSOCIATES INC	2013	TREATMENT PLANT	2.980	LOCAL
9195	NRWWTP CAPACITY IMPROVEMENTS	HILLERS ELECTRICAL ENGINEERING	2014	TREATMENT PLANT	2.880	LOCAL
9195	NRWWTP CAPACITY IMPROVEMENTS	GRAVEN THOMPSON & ASSOCIATES INC	2014	TREATMENT PLANT	2.656	LOCAL
9195	General Services Agreement	CES CONSULTANTS	2014	TREATMENT PLANT	2.990	LOCAL
9195	NRWWTP CAPACITY IMPROVEMENTS	CHEN & ASSOCIATES CONSULTING ENGINEERS	2014	TREATMENT PLANT	2.997	LOCAL
9070	NRWWTP Structural Steel Replacement	LADKAS	2013	TREATMENT PLANT	2.814	LOCAL
9070	LOCATE SURFACE VISIBLE UTILITY FACILITIES - PHASE II	KEITH & ASSOCIATES INC	2009	TREATMENT PLANT	2.530	LOCAL
	General Services Agreement	BROWN & CALDWELL	2013	TREATMENT PLANT	3.070	NATIONAL FIRM
	General Services Agreement	HAZEN & SAWYER, PC	2008	TREATMENT PLANT	3.200	NATIONAL FIRM
	General Services Agreement	HAZEN & SAWYER, PC	2008	TREATMENT PLANT	3.200	NATIONAL FIRM
	General Services Agreement	MAALCOLM-PIRNIE	2008	TREATMENT PLANT	3.070	NATIONAL FIRM
	General Services Agreement	BLACK & VEATCH, INC.	2013	TREATMENT PLANT	3.100	NATIONAL FIRM
9073	WTP 1A ANION EXCHANGE TREATMENT UNIT	CDM SMITH INC	2010	TREATMENT PLANT	3.100	NATIONAL FIRM
	General Services Agreement	CDM SMITH INC	2013	TREATMENT PLANT	3.070	NATIONAL FIRM
8624	NORTH REGIONAL WASTEWATER TREATMENT PLANT	HAZEN & SAWYER, PC	2007	TREATMENT PLANT	3.105	NATIONAL FIRM
9130	WTP 1A TREATMENT PLANT EXPANSION	MWH AMERICAS INC	2010	TREATMENT PLANT	3.200	NATIONAL FIRM
9195	NRWWTP FACILITIES IMPROVEMENTS	HAZEN & SAWYER, PC	2014	TREATMENT PLANT	3.070	NATIONAL FIRM
9186	NRWWTP CAPACITY IMPROVEMENTS	HAZEN & SAWYER, PC	2013	TREATMENT PLANT	3.070	NATIONAL FIRM
	NRWWTP Fine Bubble Aeration Basin Conversion	HAZEN & SAWYER, PC	2015	TREATMENT PLANT	3.070	NATIONAL FIRM
	NRWWTP Electrical Load and Motor Control Center	CDM SMITH INC	2015	TREATMENT PLANT	3.070	NATIONAL FIRM
9181	Retail Potable Water and Wastewater Master Plan	CDM SMITH INC	2014	Distr. & Coll. Master Plan	3.070	NATIONAL FIRM
	Engineering Services for potable Water Storage Tanks	CAROLLO	2016	Distr. & Coll. Design/CMS	3.070	NATIONAL FIRM

2.90

2.84

3.10