



RESOLUTION NO. U-11164

1 A RESOLUTION related to the purchase of materials, supplies, equipment and
2 the furnishing of services; authorizing the City officials to enter into
3 contracts and, where specified, waive competitive bidding requirements,
4 authorize sale of surplus property, or increase or extend existing
5 agreements.

6 WHEREAS the City of Tacoma, Department of Public Utilities, requested
7 bids/proposals for the purchase of certain materials, supplies, equipment and/or
8 the furnishing of certain services, or proposes to purchase off an agreement
9 previously competitively bid and entered into by another governmental entity, or
10 for the sales of surplus, or desires to increase and/or extend an existing
11 agreement, all as explained by the attached Exhibit "A," which by this reference
12 is incorporated herein, and

13 WHEREAS in response thereto, bids/proposals (or prices from another
14 governmental agreement) were received, all as evidenced by Exhibit "A," and

15 WHEREAS the Board of Contracts and Awards and/or the requesting
16 division have heretofore made their recommendations, which may include
17 waiver of the formal competitive bid process because it was not practicable to
18 follow said process, or because the purchase is from a single source, or there is
19 an emergency that requires such waiver, and/or waiver of minor deviations, and
20 in the case of sale of surplus, a declaration of surplus has been made certifying
21 that said items are no longer essential for continued effective utility service, as
22 explained in Exhibit "A," and

23 WHEREAS the Director requests authorization, pursuant to
24 TMC 1.06.269 A, to amend contract amounts up to \$200,000 and to approve
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term extensions and renewals for all items contained in Exhibit "A;" Now,
therefore,

BE IT RESOLVED BY THE PUBLIC UTILITY BOARD OF THE CITY OF TACOMA:

Sec. 1. That the Public Utility Board of the City of Tacoma hereby concurs and approves the recommendations of the Board of Contracts and Awards and/or the requesting division, and approves, as appropriate: (1) the purchase and/or furnishing of those materials, supplies, equipment or services recommended for acceptance; (2) the sale of surplus materials, supplies or equipment recommended for acceptance; (3) the Interlocal agreement that authorizes purchase off another governmental entity's contract; (4) the increase and/or extension of an existing agreement, and said matters may include waiver of the formal competitive bid process and/or waiver of minor deviations, all as set forth on Exhibit "A," and authorizes the execution, delivery and implementation of appropriate notices, contracts and documents by the proper officers of the City for said transactions, and (5) the administrative authority of the Director, per TMC 1.06.269 A., to amend contract amounts up to \$200,000 and to approve term extensions and contract renewals for all items in Exhibit "A."

Sec. 2. That the Public Utility Board finds that this Resolution is necessary, routine, and consistent with Governor Inslee's emergency proclamation issued March 24, 2020 and recently extended, suspending portions of the Open Public Meetings Act through May 31, 2020.

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Approved as to form:

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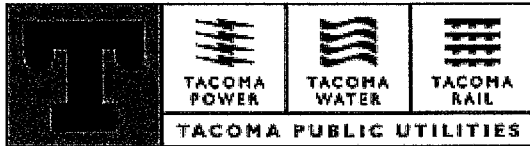
Chief Deputy City Attorney

Clerk

Chair

Secretary

Adopted



RESOLUTION NO.: 0-11164
ITEM NO.: 1
MEETING DATE: MAY 27, 2020

TO: Board of Contracts and Awards

FROM: Dale W King, Tacoma Rail
Dan Knouff, Asset Manager, Tacoma Rail, Maintenance of Equipment

COPY: Public Utility Board, Director of Utilities, EIC Coordinator, LEAP Coordinator, and Seth Hartz, Finance/Purchasing

SUBJECT: Janitorial Services for Tacoma Rail
Request for Proposals Specification No. TR20-0102F - May 27, 2020

DATE: May 14, 2020

RECOMMENDATION SUMMARY:

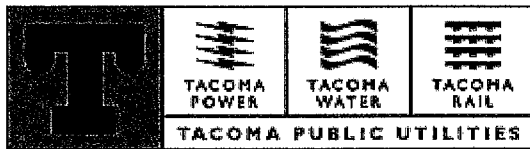
Tacoma Rail recommends a contract be awarded to CCS Washington Janitorial, Inc. dba Commercial Cleaning Systems, Renton, WA, for janitorial services and supplies in the amount of \$473,800, plus applicable taxes, for an initial contract term of three years with the option to renew for two additional one-year renewal terms, for a projected contract amount of \$806,000.

BACKGROUND:

This contract is for janitorial services and supplies needed to maintain the Tacoma Rail facilities in a manner necessary to provide a clean, healthy, and safe work environment for Tacoma Rail employees and visitors. The contracted services include basic surface cleaning 7 days per week and cyclical deep cleaning activities such as inside and outside window cleaning, carpet cleaning, and buffing and waxing of hard floor surfaces. The contract provides all personnel, equipment, and environmentally friendly cleaning products needed for the aforementioned services. The contract also includes the supply of all toiletry related materials for Tacoma Rail.

ISSUE: Tacoma Rail is a 24/7 operation with field crews, mechanics and managers working around the clock. It is a necessity to provide a clean, healthy and safe environment for all employees.

ALTERNATIVES: Tacoma Rail considered hiring additional staff as an option. The various tasks would require a minimum of two full time employees and one part time employee to cover the scope of work. The estimated cost to Tacoma Rail to hire those employees, including benefits, would be approximately \$935,000 for the 5 year period. In order for those employees to properly maintain the facility, Tacoma Rail would still need to purchase the cleaning equipment, cleaning supplies and all of the toiletry materials. Moreover, City Labor Relations staff advises that as a railroad, RCW 41.56 pertaining to Public Employees' Collective Bargaining is not applicable to Rail employees and current 483 Custodial Maintenance CBA language likely would not apply to custodial staff hired at Rail. Therefore, Tacoma Rail deems it prudent to continue outsourcing the service.



COMPETITIVE SOLICITATION:

Request for Proposal, Specification No. TR20-0102F, was opened Tuesday, April 21, 2020. Ten companies were invited to bid in addition to normal advertising of the project. Six submittals were received.

<u>Respondent</u>	<u>Location</u>	<u>Score</u>
CCS Washington Janitorial, Inc. dba Commercial Cleaning Systems	Renton, WA	276
SMS Cleaning, Inc.	Tacoma, WA	267
Superior Enterprises, LLC dba Seattle Commercial Cleaners	Seattle, WA	262
BADA Corporation dba Acme Maintenance	Tukwila, WA	237
SSCO	Phoenix, AZ	192
ABA Cleaning Services, LLC	Tacoma, WA	190

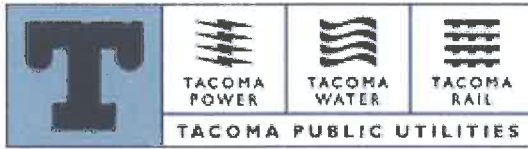
Pre-bid Estimate: \$800,000

The recommended award is .75 percent above the pre-bid estimate. The recommended award amount includes a 2-percent increase per year to cover estimated Prevailing Wage increases and additional hours for emergency cleaning/sanitizing activities related to the COVID-19 pandemic.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: Specification TR20-0102F mandated that environmentally conscious cleaning products are to be used through the duration of the contract. CCS Washington Janitorial dba Commercial Cleaning Systems (CCS) included in their submittal, a list of their Green Clean approved products. CCS also holds a CIMS-GB (Clean Industry Management Standard-Green Building) certificate with an Honors designation. CCS scored the highest amount of points in the selection process for sustainability.

EIC/LEAP COMPLIANCE: Not applicable.



FISCAL IMPACT:

EXPENDITURES:

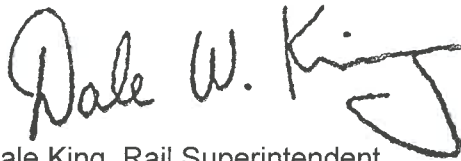
FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4500 TPU Rail Fund	592303	5330100	\$806,000
TOTAL			

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
TOTAL			

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$125,000

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes



Dale King, Rail Superintendent

APPROVED:



Jackie Flowers, Director of Utilities

CITY OF TACOMA
***Price Proposal Form ***
Request for Proposals TR20-0102F

Respondent Name Superior Enterprises, LLC - DBA Seattle Commercial Cleaners

All prices are to be in U.S. dollars and include all associated fees. The City will not pay any additional fees, tariffs, add-ons or surcharges.

We agree to furnish the following items F.O.B. Destination, freight prepaid and allowed (included in unit price).

ITEM NO.	FACILITY DESCRIPTION	PRICE PER MONTH	MULTIPLY BY 12 MONTHS	ANNUAL COST
1.	Tacoma Rail Complex • Minimum of 16 employee labor hours per night M – F • Minimum 6 employee labor hours per night Saturday and Sunday	\$ <u>21,283.27</u>	x 12 =	\$ <u>255,399.18</u>
			Total:	\$ <u>766,197.54</u>
	Per Hour Rate for Additional/Emergency work per Section 2.04 #26	\$ <u>45</u> Per Hour		

Note: The unit price per month and annual costs are to be shown in the spaces provided. Annual cost shall be determined by multiplying the price per month by 12.

Prompt Payment Discount 5 % 15 days, net 30.

Payment discount periods of 20 calendar days or more will be considered in determining lowest responsive submittal.

Does your firm accept payment by EFT/ACH? X Y N
 (Electronic Funds Transfer (EFT) by Automated Clearing House (ACH))

Does your firm accept payment by Visa credit card? Y X N

NOTE: The City of Tacoma will not accept price changes or pay additional fees when a credit card is used.

Is your firm registered with the City of Tacoma as a Small Business Enterprise (SBE)? Y X N
If yes, in what categories are you registered?

Currently SCC has filed but, with COVID19 we are still in pending status
for this application.

CITY OF TACOMA
***Price Proposal Form ***
Request for Proposals TR20-0102F

Respondent Name SMS Cleaning Inc

All prices are to be in U.S. dollars and include all associated fees. The City will not pay any additional fees, tariffs, add-ons or surcharges.

We agree to furnish the following items F.O.B. Destination, freight prepaid and allowed (included in unit price).

ITEM NO.	FACILITY DESCRIPTION	PRICE PER MONTH	MULTIPLY BY 12 MONTHS	ANNUAL COST
1	Tacoma Rail Complex • Minimum of 16 employee labor hours per night M – F • Minimum 6 employee labor hours per night Saturday and Sunday	\$14,585.00	x 12 =	\$175,020.00
	Total:			\$175,020.00
	Per Hour Rate for Additional/Emergency work per Section 2.04 #26	\$ 35.00	Per Hour	

Note: The unit price per month and annual costs are to be shown in the spaces provided. Annual cost shall be determined by multiplying the price per month by 12.

Prompt Payment Discount N/A % days, net 30.

Payment discount periods of 20 calendar days or more will be considered in determining lowest responsive submittal.

Does your firm accept payment by EFT/ACH? ☒ Y ☐ N

(Electronic Funds Transfer (EFT) by Automated Clearing House (ACH))

Does your firm accept payment by Visa credit card? ☐ Y ☒ N

NOTE: The City of Tacoma will not accept price changes or pay additional fees when a credit card is used.

Is your firm registered with the City of Tacoma as a Small Business Enterprise (SBE)? ☒ Y ☐ N
 If yes, in what categories are you registered?

Office of Minority and Women's Business Enterprises

Certification Identification #: M4M9222373

CITY OF TACOMA
***Price Proposal Form ***
Request for Proposals TR20-0102F

Respondent Name ACME Maintenance - David Hahn

All prices are to be in U.S. dollars and include all associated fees. The City will not pay any additional fees, tariffs, add-ons or surcharges.

We agree to furnish the following items F.O.B. Destination, freight prepaid and allowed (included in unit price).

ITEM NO.	FACILITY DESCRIPTION	PRICE PER MONTH	MULTIPLY BY 12 MONTHS	ANNUAL COST
1.	Tacoma Rail Complex • Minimum of 16 employee labor hours per night M – F • Minimum 6 employee labor hours per night Saturday and Sunday	\$ <u>12,602</u>	x 12 =	\$ <u>147,624</u>
			Total:	\$ <u>738,120</u>
	Per Hour Rate for Additional/Emergency work per Section 2.04 #26	\$ <u>29</u> Per Hour		

Note: The unit price per month and annual costs are to be shown in the spaces provided. Annual cost shall be determined by multiplying the price per month by 12.

Prompt Payment Discount 1.5 % 20 days, net 30.
 Payment discount periods of 20 calendar days or more will be considered in determining lowest responsive submittal.

Does your firm accept payment by EFT/ACH? ☒ Y ☐ N
 (Electronic Funds Transfer (EFT) by Automated Clearing House (ACH))

Does your firm accept payment by Visa credit card? ☐ Y ☒ N

NOTE: The City of Tacoma will not accept price changes or pay additional fees when a credit card is used.

Is your firm registered with the City of Tacoma as a Small Business Enterprise (SBE)? ☒ Y ☐ N
 If yes, in what categories are you registered?

MBE

CITY OF TACOMA
*Price Proposal Form *
Request for Proposals TR20-0102F

Respondent Name CCS Facility Services

All prices are to be in U.S. dollars and include all associated fees. The City will not pay any additional fees, tariffs, add-ons or surcharges.

We agree to furnish the following items F.O.B. Destination, freight prepaid and allowed (included in unit price).

ITEM NO.	FACILITY DESCRIPTION	PRICE PER MONTH	MULTIPLY BY 12 MONTHS	ANNUAL COST
1.	Tacoma Rail Complex • Minimum of 16 employee labor hours per night M – F • Minimum 6 employee labor hours per night Saturday and Sunday	\$ <u>12,901</u>	x 12 =	\$ <u>154,812</u>
			Total:	\$ <u>154,812</u>
	Per Hour Rate for Additional/Emergency work per Section 2.04 #26	\$ <u>32.38</u> Per Hour		

Note: The unit price per month and annual costs are to be shown in the spaces provided. Annual cost shall be determined by multiplying the price per month by 12.

Prompt Payment Discount 0 % 0 days, net 30.

Payment discount periods of 20 calendar days or more will be considered in determining lowest responsive submittal.

Does your firm accept payment by EFT/ACH? X Y N
(Electronic Funds Transfer (EFT) by Automated Clearing House (ACH))

Does your firm accept payment by Visa credit card? Y X N

NOTE: The City of Tacoma will not accept price changes or pay additional fees when a credit card is used.

Is your firm registered with the City of Tacoma as a Small Business Enterprise (SBE)? Y X N
If yes, in what categories are you registered?

N/A

CITY OF TACOMA
***Price Proposal Form ***
Request for Proposals TR20-0102F

Respondent Name ABA CLEANING SERVICES, LLC

All prices are to be in U.S. dollars and include all associated fees. The City will not pay any additional fees, tariffs, add-ons or surcharges.

We agree to furnish the following items F.O.B. Destination, freight prepaid and allowed (included in unit price).

ITEM NO.	FACILITY DESCRIPTION	PRICE PER MONTH	MULTIPLY BY 12 MONTHS	ANNUAL COST
1.	Tacoma Rail Complex • Minimum of 16 employee labor hours per night M – F • Minimum 6 employee labor hours per night Saturday and Sunday	<u>\$ 7,800.00</u>	x 12 =	<u>\$93,600.00</u>
			Total:	<u>\$ 93,600.00</u>
	Per Hour Rate for Additional/Emergency work per Section 2.04 #26	<u>\$ 35.00</u> Per Hour		

Note: The unit price per month and annual costs are to be shown in the spaces provided. Annual cost shall be determined by multiplying the price per month by 12.

Prompt Payment Discount _____% _____ days, net 30. N/A

Payment discount periods of 20 calendar days or more will be considered in determining lowest responsive submittal.

Does your firm accept payment by EFT/ACH? X Y ___N

(Electronic Funds Transfer (EFT) by Automated Clearing House (ACH))

Does your firm accept payment by Visa credit card? ___Y X ___N

NOTE: The City of Tacoma will not accept price changes or pay additional fees when a credit card is used.

Is your firm registered with the City of Tacoma as a Small Business Enterprise (SBE)? X Y ___N
If yes, in what categories are you registered?

MWBE: M5F0025836

DBE: D5F0025836

CITY OF TACOMA
***Price Proposal Form ***
Request for Proposals TR20-0102F

Respondent Name SSCO

All prices are to be in U.S. dollars and include all associated fees. The City will not pay any additional fees, tariffs, add-ons or surcharges.

We agree to furnish the following items F.O.B. Destination, freight prepaid and allowed (included in unit price).

ITEM NO.	FACILITY DESCRIPTION	PRICE PER MONTH	MULTIPLY BY 12 MONTHS	ANNUAL COST
1.	Tacoma Rail Complex • Minimum of 16 employee labor hours per night M – F • Minimum 6 employee labor hours per night Saturday and Sunday	\$ 3,500	x 12 =	\$ 42,000
			Total:	\$ 42,000
	Per Hour Rate for Additional/Emergency work per Section 2.04 #26	\$ 25.00	Per Hour	25.00

Note: The unit price per month and annual costs are to be shown in the spaces provided. Annual cost shall be determined by multiplying the price per month by 12.

Prompt Payment Discount 0 % 0 days, net 30.

Payment discount periods of 20 calendar days or more will be considered in determining lowest responsive submittal.

Does your firm accept payment by EFT/ACH? X Y N
 (Electronic Funds Transfer (EFT) by Automated Clearing House (ACH))

Does your firm accept payment by Visa credit card? X Y N

NOTE: The City of Tacoma will not accept price changes or pay additional fees when a credit card is used.

Is your firm registered with the City of Tacoma as a Small Business Enterprise (SBE)? Y X N
If yes, in what categories are you registered?

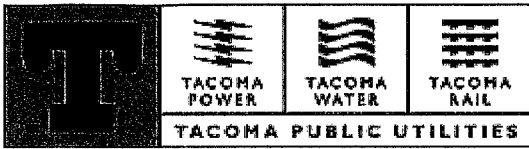


EXHIBIT "A"

RESOLUTION NO.: U-11164

ITEM NO.: 2

MEETING DATE: MAY 13, 2020

TO: Board of Contracts and Awards
FROM: Chris Robinson, Power Superintendent, Tenzin Gyaltsen, UTS Section Manager; and Tony Landrith, UTS Assistant Section Manager
COPY: Public Utility Board, Director of Utilities, Board Clerk, SBE Coordinator, LEAP Coordinator, and Richelle Krienke, Finance/Purchasing
SUBJECT: Mobile Workforce Management Solution Replacement – Request for Proposals PS17-0278F
Request approval to increase Contract C460 – May 13, 2020
DATE: April 28, 2020

RECOMMENDATION SUMMARY:

Tacoma Public Utilities and General Government requests approval to increase Contract C460 to Clevest Solutions, Inc., Richmond, BC Canada, by \$191,400.00 for the continued implementation of the mobile replacement solution (Workforce Connect project). This increase will bring the cumulative total to \$1,685,056.00, plus any applicable taxes.

BACKGROUND:

During the course of the Workforce Connect project, a number of drivers have surfaced that have subsequently required additional vendor services to complete identified scope in order to achieve project benefits. Those drivers include business complexities in requirements, design, and build; as well as testing and resolution.

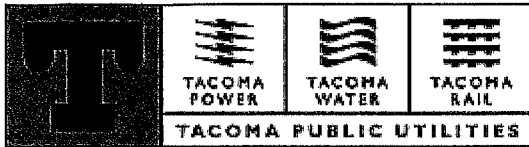
ISSUE: The Workforce Connect project replaces the current legacy mobile field system. The project has made significant progress and is on a positive trajectory towards completion.

ALTERNATIVES: Alternatives to additional vendor services could include descoping project activities or attempting to perform the work internally. However, neither option is realistic as the project would not achieve key benefits if descoping was pursued, nor does City staff have the expertise and experience to complete the remaining work without vendor assistance.

CONTRACT HISTORY: On August 22, 2018, Resolution U-11022 authorized approval of the original contract awarded to Clevest Solutions, Inc., in the amount of \$2,671,656.00 plus applicable taxes, as a result of Request for Proposals Specification No. PS17-0278F. The award included contracts for professional services in the amount of \$1,388,656.00; and software licenses and maintenance services in the amount of \$1,283,000.00, plus applicable taxes.

Amendment 1, dated October 10, 2019, authorized under Resolution U-11022, increased the contract by \$105,000.00 to \$1,493,656.00, and authorized additional resources to assist in project activities associated with Release 2A scope.

SBE/LEAP COMPLIANCE: Not applicable



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Fund 1065, PW Street Fund (2.3%)			\$ 4,402
Fund 4200, ESD Solid Waste (4.4%)			\$ 8,460
Fund 4300, ESD Wastewater (4.6%)			\$ 8,728
Fund 4301, ESDS Surface Water Utility (4.4%)			\$ 8,460
Fund 4600, Water Utility (24.4%)			\$ 46,702
Fund 4700, Power (59.9%)			\$ 114,649
TOTAL			\$ 191,400

REVENUES: N/A

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
TOTAL			

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$1,646.00

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED. N/A



RESOLUTION NO. U-11165

1 A RESOLUTION revising the implementation of the WorkForce Connect
2 Special Project across Tacoma Power, Tacoma Water, and the City of
3 Tacoma Environmental Services divisions.

4 WHEREAS the City of Tacoma, Department of Public Utilities ("TPU"),
5 Utility Technology Services Section ("UTS"), through Public Utility Board
6 Resolution No. 11057, established a WorkForce Connect ("WFC") Project as a
7 special project of limited duration through December 31, 2020, that included
8 hiring six employees across Tacoma Power, Tacoma Water and Environmental
9 Services, and

10 WHEREAS the goal of the Project was to replace the existing outdated
11 platform ("MDSI") and add new technology and processes, including providing
12 laptops to field technicians with software installed that allows the capturing of
13 information gather on requests to Tacoma Public Utilities ("TPU") and the City
14 of Tacoma ("COT"), and once information is collected, is integrated with back-
15 office systems such as SAP, and

16 WHEREAS the current system, 15 years into the original implementation,
17 and no longer supported by the vendor, provided TPU and the COT with the
18 opportunity to move away from paper-based processes of collecting work
19 details to electronic-based tools, and

20 WHEREAS the WFC Project will replace the existing legacy field solution
21 that is utilized across TPU and COT, to address a system that has reached the
22 end of life and extended vendor support, increase the number of end users, and
23 extend and improve system functionality, and
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1 WHEREAS the project experienced schedule pushes including a delay
2 from the contracted schedule start date and actual project kickoff, as well as
3 impacts from holiday schedules and impacts from other projects, delayed the
4 project go-live date of March 2021, with a final project completion date
5 expected in June 2021, and

6 WHEREAS the roles provided are: Management Analyst III, Customer
7 Services Field Technician, and Tacoma Power Electrical Services, Office
8 Assistant and the three previous requested roles of Project Manager, Scrum
9 Master and Test Manager, are not included in this request as they have been
10 filled by augmented staffing opportunities, and will allow project employees in
11 Tacoma Power, Tacoma Water, and Customer Services through all phases of
12 the Project, and

13 WHEREAS funds for the Project are included in the designation
14 organization's 2019/2020 O&M and Capital budgets and has been requested
15 for 2021/2021 O&M and Capital budgets, and

16 WHEREAS, it is in the best interest of the City of Tacoma to revise the
17 Project as a special project of limited duration; Now, Therefore,
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BE IT RESOLVED BY THE PUBLIC UTILITY BOARD OF THE CITY OF TACOMA:

1 Section 1. That the revision to the WorkForce Connect Project is hereby
2 approved and continue to be established as a special project of limited duration
3 through June 30, 2021.
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5 Section 2. That in accordance with the applicable provisions of
6 TMC 1.12.140 and 1.12.155, 1.24.187, 1.24.980-986, 1.30.300, and Section 6.1
7 (h) of the Tacoma City Charter, the salaries and classes set forth in the
8 Compensation Plan for regular City employees shall be applied, contingent
9 upon funding, to similar project positions of the Project, and employees who
10 have been hired or may be hired for positions expected to be of limited duration
11 shall be designated unclassified special project employees as of the date of
12 hire.
13

14 Section 3. That those special project employees who have been hired,
15 or may be hired to work on the special project, as identified in this resolution,
16 shall receive benefits, all in accordance with and pursuant to the provisions of
17 the compensation plan of the City of Tacoma. They shall be given a one-time
18 binding and irrevocable election to participate in the City's Retirement System,
19 pursuant to the retirement provisions of TMC 1.30.300.
20

21 Section 4. That because the positions to be filled pursuant to this
22 resolution are of a temporary nature and are unique in that they pertain only to
23 the aforementioned special project, they are deemed temporary positions, and
24 persons so employed in such positions shall have no claim to further or
25 continued employment with the City after cessation of such special project or
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after cessation of activities funded by said programs, except pursuant to their
obtaining status as regular City employees under the provisions of the Tacoma
Municipal Code or pursuant to further action of the City Council relating to this
special project.

Section 5. That all acts by agents or employees of the City consistent with
the intent of this resolution taken prior to the effective date of this resolution are
hereby ratified.

Section 6. That the term of this special project shall not exceed the
expiration of June 30, 2021, unless extended by appropriate action.

Section 7. That the Public Utility Board finds that this Resolution is
necessary, routine, and consistent with Governor Inslee's emergency
proclamation issued March 24, 2020 and recently extended, suspending
portions of the Open Public Meetings Act through May 31, 2020.

Approved as to form:

/s/
Chief Deputy City Attorney

Clerk

Chair

Secretary

Adopted



Board Action Memorandum

TO: Jackie Flowers, Director of Utilities
COPY: Charleen Jacobs, Director and Board Offices
FROM: Tony Landrith, Power UTS Assistant Section Manager
MEETING DATE: May 27, 2020
DATE: May 15, 2020

SUMMARY: Revise "Special Project" for the implementation of Workforce Connect (WFC) across Tacoma Power, Tacoma Water, and City of Tacoma Environmental Services to extend through June 30, 2020.

The Utility Technology Services of Tacoma Power recommends that the Public Utility Board approve the revised special project pursuant to Tacoma Municipal Code Sections 1.12.140, 1.12.155, 1.24.187, 1.24.980-986, 1.30.300, and Section 6.1 (h) of the Tacoma City Charter which will allow project employees in Tacoma Power, Tacoma Water and Customer Services across all phases of the project. Briefly, the roles and services provided are described:

- **Management Analyst III:** This role applies complex and advanced statistical techniques to develop, coordinate and conduct studies of data relating to asset and information analytics.
- **Customer Services Field Technician:** This role will backfill support, as Customer Service subject matter experts participate in the project. This role will be responsible for meter reading, providing accurate and timely reading of electric, water and meter sewers.
- **Tacoma Power Electrical Services, Office Assistant:** This role will backfill support as Utility Staff Support and Meter Shop subject matter experts participate in the project. This role will be responsible for timekeeping, dispatching and phone support to Meter, Line and Wire sections impacted by the Workforce Connect and Advanced Metering Infrastructure (AMI) projects.

Three previously requested roles: Project Manager, Scrum Master and Test Manager have been removed from this request as they have been filled by augmented staffing opportunities.

BACKGROUND: Tacoma Public Utilities (TPU) and City of Tacoma (CoT) currently provides laptops to field technicians with software installed that allows capturing of information gathered on requests (e.g.: customer service requests, maintenance inspections, etc.). This information, once collected, is integrated with back-office systems (such as SAP).

The current system, 15 years into the original implementation and no longer supported by the vendor – provided TPU and CoT the opportunity to move away from paper-based processes of collecting work details to electronic based tools.

The Workforce Connect (WFC) Project will replace the existing legacy field solution that is utilized across Tacoma Public Utilities and City of Tacoma. This is required to address a system that has reached end of life and extended vendor support, increase the number of end users and extend and improve system functionality.

This project experienced schedule pushes including a delay from the contracted schedule start date and actual project kickoff; as well as impacts from holiday schedules along with impacts from other projects. The decision was made to move the go-live date to March 2021. Final project close out is expected to complete in June 2021.



Board Action Memorandum

This resolution will enable the participating organizations to staff and fully participate in appropriate phases of the project with technology and business subject matter experts. Funding has been included in the designation organization's 2019/2020 O&M and Capital budgets and has been requested for 2021/2022 O&M and capital budgets.

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes. Funds for the planning and design phase of the Special Project are included in the approved 2019/20 Capital Budgets for Tacoma Power, Tacoma Water and City of Tacoma. Estimated salaries including benefits equal \$811,131.00.

IF THE EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED.

Explain how expenditures are to be covered and if budget modifications are required.

IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING \$200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? No.

ATTACHMENTS:

- a. Memo to Jackie Flowers, Director of Utilities/CEO from Chris Robinson, Power Superintendent/COO dated November 30, 2018
- b. Request for Resolution dated November 30, 2018
- c. Resolution No. U-11057 approved January 23, 2019

CONTACT: Tony Landrith, Power UTS Section Assistant Manager, 253-502-8725.

Supervisor: Tenzin Gyaltsen, Power UTS Section Manager, 253-502-8763



RESOLUTION NO. U-11057

1 A RESOLUTION approving the establishment of a WorkForce Connect Project
2 in the Utility Technology Services Section, for Tacoma Power, Tacoma
3 Water and Environmental Services, as a special project of limited
4 duration, and designating general salary classifications and benefits for
5 persons employed on the project, pursuant to Tacoma Municipal Code
Sections 1.12.140, 1.12.155, 1.24.187, 1.24.980-986, 1.30.300 and
Section 6.1(h) of the Tacoma City Charter.

6 WHEREAS the City of Tacoma, Department of Public Utilities ("TPU"),
7 Utility Technology Services Section ("UTS"), requests approval to establish a
8 WorkForce Connect Project ("Project"), as a special project of limited duration
9 from November 2018 through December 31, 2020, to include hiring six
10 employees across Tacoma Power, Tacoma Water and Environmental Services,
11 and
12

13 WHEREAS the goal of the Project is to replace the existing outdated
14 platform ("MDSI") and add new technology and processes, and

15 WHEREAS funds for the Project are included in the approved 2019/2020
16 Capital Budgets for Tacoma Power, Tacoma Water, and the City of Tacoma, at
17 an estimated two-year cost (including benefits) of \$1,696,478, and
18

19 WHEREAS, pursuant to the provisions of Section 1.12.155 of the
20 Tacoma Municipal Code, employees who are not regular employees, and are
21 hired as special project employees, are paid as provided for by ordinance or
22 resolution of the City Council, and

23 WHEREAS, it is in the best interest of the City of Tacoma to establish the
24 Project as a special project of limited duration; Now, Therefore,
25
26



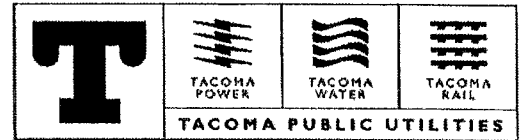
BE IT RESOLVED BY THE PUBLIC UTILITY BOARD OF THE CITY OF TACOMA:

1 Section 1. That the WorkForce Connect Project is hereby approved and
2 established as a special project of limited duration from November 2018
3 through December 31, 2020, and the appropriate officers of the City are
4 authorized to take such action as necessary to implement this Program,
5 including hiring up to six special project employees in Utility Technology
6 Services, Tacoma Power, Tacoma Water, and City of Tacoma Environmental
7 Services.
8

9 Section 2. That in accordance with the applicable provisions of
10 TMC 1.12.140 and 1.12.155, the salaries and classes set forth in the
11 Compensation Plan for regular City employees shall be applied, contingent
12 upon funding, to similar project positions of the Project.
13

14 Section 3. That in accordance with TMC 1.24.187 and 1.30.300,
15 employees who have been hired or may be hired for positions expected to be of
16 limited duration shall be designated unclassified special project employees as
17 of the date of hire.
18

19 Section 4. That those special project employees who have been hired,
20 or may be hired to work on the special project, as identified in this resolution,
21 shall receive benefits, all in accordance with and pursuant to the provisions of
22 the compensation plan of the City of Tacoma. They shall be given a one-time
23 binding and irrevocable election to participate in the City's Retirement System,
24 pursuant to the retirement provisions of TMC 1.30.300.
25
26



TO: Jackie Flowers, Director of Utilities

FROM: Chris Robinson, Power Superintendent
Scott Dewhirst, Water Superintendent
Steve Hatcher, Customer Services Manager

DATE: January 14, 2019

RE: Request for Resolution to Establish a "Special Project of Limited Duration" for Tacoma Public Utilities (TPU) and City of Tacoma's (CoT) WorkForce Connect project.

RECOMMENDATION: Tacoma Power, Tacoma Water and Customer Services sections are requesting authorization establish a Special Project of Limited Duration in support of TPU and CoT's WorkForce Connect Project, allowing for the addition of staff to support key project phases and deliverables.

EXPLANATION: TPU and CoT currently provides laptops to field technicians with software installed that allows capturing of information gathered on requests (e.g., customer service requests, maintenance inspections, etc.). This information, once collected, is integrated with back-office systems (such as SAP).

The current system ("MDSI"), 15 years into the original implementation and no longer supported by the vendor – provided TPU and CoT the opportunity to move away from paper-based processes of collecting work details to electronic-based tools. The initial implementation provided significant capabilities to TPU and CoT that continues to drive and support employee productivity gains and access to data.

The Workforce Connect Project will replace the existing MDSI platform with a modern and vendor-supported platform that will deliver the tools that allow the continued electronic capture of field work details. The suite of software provides capabilities that enable new features, driving additional benefits – as well as a platform that advances digital and asset strategic initiatives.

As a transformative initiative, the Workforce Connect project will require a significant effort across TPU and CoT to implement the new and modified processes, applications, technologies, and integrations needed to fully enable the functions and features of the workforce management solution. In addition, customer and stakeholder engagement and organizational change management will be essential to project success.

After extensive resource planning and mitigation efforts, Utility Technology Services (UTS) recommends establishing a Special Project of Limited Duration, which includes providing the hiring of 6 employees within Tacoma Water, Tacoma Power and Customer Services. Briefly, the roles and services provided are described;

- Tacoma Power, Senior Project Manager; This role provides project management services to support the entire project lifecycle, including contract and vendor

management, resource and budget management, project reporting and risk/issue management.

- Tacoma Power, Project Lead; This role provides daily activity and process management through all project sprints and releases – including identifying and resolving impediments, ensuring project work backlog is being executed by the Scrum team, managing daily Scrum team meetings, facilitating Scrum planning and demonstrations and monitors team capacity and velocity.
- Tacoma Power, Test Manager; This role provides test management services to support the entire lifecycle of project testing phases – consistent of setup, scripts, managing test execution, providing oversight of testing status, workload and reporting.
- Tacoma Power, Electrical Services, Office Assistant; This role will backfill support as Utility Staff Support and Meter Shop subject matter experts participate in the project. This role will be responsible for timekeeping, dispatching and phone support to Meter, Line and Wire sections impacted by the Workforce Connect and Advanced Metering Infrastructure (AMI) projects.
- Tacoma Water, Management Analyst III; This role applies complex and advanced statistical techniques to develop, coordinate and conduct studies of data relating to asset and information analytics.
- Customer Services, Field Technician; This role will backfill support, as Customer Service subject matter experts participate in the project. This role will be responsible for field meter reading - providing accurate and timely reading of electric, water and meter sewers.

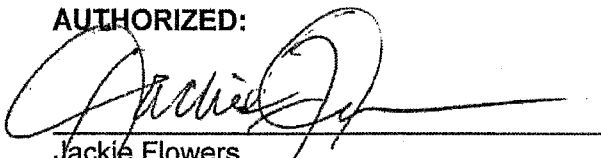
HISTORY: The existing legacy mobile application ("MDSI") was originally implemented in 2003, with a major update occurring in 2009 and a minor technical update in 2017. The existing system has reached the end of vendor support and a number of supporting systems are nearing their end of vendor support as well.

The project team, along with the business driven project Steering Committee, has moved the project through the Request for Proposal (RFP) and Selection processes. As an outcome of these processes, the Steering Committee has selected a new replacement system and vendor. The project business case has been reviewed and approved by the Information Systems Governance Board (ISGB).

PROJECT ADVISOR: Tony Landrith, Utility Technology Services, Project Management Office, (253) 502-8725

FUNDING: All Project FTEs have been identified and budgeted within the respective 2019/20 division budgets, along with the Workforce Connect capital budget.

AUTHORIZED:


Jackie Flowers
Director of Utilities

1/14/19
Date

Request for Board meeting

CITY OF TACOMA
DEPARTMENT OF PUBLIC UTILITIES

of Jan 23, 2019

REQUEST FOR RESOLUTION

Date: Nov 30, 2018

INSTRUCTIONS: File request in the Office of the Director of Utilities as soon as possible but not later than nine working days prior to the Board meeting at which it is to be introduced. Completion instructions are contained in Administrative Policy POL-104.

1. Summary title for Utility Board agenda: (not to exceed twenty-five words)
Establish a "Special Project" in the Utility Technology Services Section of Tacoma Power for the implementation of WorkForce Connect (WFC) across Tacoma Power, Tacoma Water and City of Tacoma Environmental Services. This project of limited duration is anticipated to begin in November 2018 and will continue through December 2020.
2. A resolution is requested to: (brief description of action to be taken, by whom, where, cost, etc.)
Utility Technology Services recommends that the Public Utility Board approve a special project pursuant to Tacoma Municipal Code Sections 1.12.140, 1.12.155, 1.24.187, 1.24.980-986, 1.30.300, and Section 6.1(h) of the Tacoma City Charter which will provide for the hiring of 6 employees in Utility Technology Services (UTS), Tacoma Water and Tacoma Power across all phases of the project. Briefly, the roles and services provided are described:
 - Project Manager; This role provides project management services to support the entire project lifecycle, including contract and vendor management, resource and budget management, project reporting and risk/issue management.
 - Scrum Master; This role provides daily activity and process management through all project sprints and releases – including identifying and resolving impediments, ensuring project work backlog is being executed by the Scrum team, managing daily Scrum team meetings, facilitating Scrum planning and demonstrations and monitors team capacity and velocity.
 - Test Manager; This role provides test management services to support the entire lifecycle of project testing phases – consistent of setup, scripts, managing test execution, providing oversight of testing status, workload and reporting.
 - Management Analyst III; This role applies complex and advanced statistical techniques to develop, coordinate and conduct studies of data relating to asset and information analytics.
 - Customer Services Field Technician; This role will backfill support, as Customer Service subject matter experts participate in the project. This role will be responsible for meter reading, providing accurate and timely reading of electric, water and meter sewers.
 - Tacoma Power Electrical Services, Office Assistant; This role will backfill support as Utility Staff Support and Meter Shop subject matter experts participate in the project. This role will be responsible for timekeeping, dispatching and phone support to Meter, Line and Wire sections impacted by the Workforce Connect and Advanced Metering Infrastructure (AMI) projects.
3. Summarized reason for resolution:
Tacoma Public Utilities (TPU) and City of Tacoma (CoT) currently provides laptops to field technicians with software installed that allows capturing of information gathered on requests (e.g., customer service requests, maintenance inspections, etc.). This information, once collected, is integrated with back-office systems (such as SAP).

The current system, 15 years into the original implementation and no longer supported by the vendor – provided TPU and CoT the opportunity to move away from paper-based processes of collecting work details to electronic-based tools.

The Workforce Connect (WFC) Project will replace the existing legacy field mobile solution that is utilized across Tacoma Public Utilities and City of Tacoma. This is required to address a system that has reached end of life and extended vendor support, increase the number of end users and extend and improve system functionality.

This resolution will enable the participating organizations to staff and fully participate in appropriate phases of the project with technology and business subject matter experts. Funding has been included in the designated organization's 2019/2020 O&M and Capital budgets.
4. Attachments:
 - a. Memo to Jackie Flowers, Director of Utilities/CEO from Chris Robinson, Power Superintendent/COO dated November 30, 2018
5. ☒ Funds available ☐ Proposed action has no budgetary impact
Funds for the planning and design phase of the Special Project are included in the approved 2019-20 Capital Budgets for Tacoma Power, Tacoma Water and City of Tacoma. Estimated salaries including benefits equal \$1,696,478.00.
6. Deviations requiring special waivers:

Originated by:

Requested by:

Approved:

Section Head

Division Head

Director of Utilities



RESOLUTION NO. U-11166

1 A RESOLUTION concurring with the Director's determination and approving
2 adjustments to the Power Services Agreement between Tacoma Power
3 and WestRock CP, LLC related to Power Factor.

4 WHEREAS, the City of Tacoma, Department of Public Utilities, Light
5 Division (d.b.a. "Tacoma Power"), supplies electric service to WestRock CP,
6 LLC ("Westrock") pursuant to a Power Services Agreement approved by the
7 Public Utility Board of the City of Tacoma per Resolution No. U-10876, and

8 WHEREAS, incorporated into Tacoma Power's rate schedules is a Power
9 Factor correction mechanism that compensates Tacoma Power for various
10 investments Tacoma Power may need to take to maintain voltage levels within
11 acceptable tolerances necessary to maintain a safe and reliable power system,
12 and
13

14 WHEREAS, WestRock is a large industrial customer of Tacoma Power
15 whose operations use electricity in a manner that produces a lower Power
16 Factor than is anticipated or accommodated in the Rate Schedule applicable to
17 WestRock or in the Power Services Agreement with WestRock, and
18

19 WHEREAS, WestRock is unique in that in addition to its ordinary
20 industrial facilities it operates a large generator on its premises that helps
21 support appropriate voltage levels on Tacoma Power's system requiring
22 Tacoma Power to take minimal corrective action resulting in a reduced Power
23 Factor load, and
24
25
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WHEREAS, Tacoma Power has determined that due to WestRock's
1 unique circumstances the Power Factor correction provisions under its
2 applicable rate schedule and Power Services Agreement are not necessary, and
3

4 WHEREAS, Tacoma Power requests the Board concur with the Director's
5 determination under T.M.C. 12.06.320 that WestRock's Power Factor correction
6 is not warranted and therefore unnecessary so long as the current unique
7 conditions persist, and
8

9 WHEREAS, the implementation of this authorized adjustment requires
10 the modification of the WestRock Power Service Agreement to reduce monthly
11 Contract Energy values by 5 MW.

12 WHEREAS, without this reduction, the minimum billing determinant would
13 not reflect the removal of the Power Factor. Now, Therefore,
14

15 BE IT RESOLVED BY THE PUBLIC UTILITY BOARD OF THE CITY OF
16 TACOMA:

17 Sec. 1 Due to the unique circumstances described herein and in order
18 to avoid unwarranted costs to a Tacoma Power industrial customer, the Public
19 Utility Board hereby concurs with the Director's determination to remove the
20 Power Factor charge so long as the circumstances warranting such removal
21 persist, and the appropriate officers of the City are authorized to execute an
22 amendment, on a form approved by the City Attorney, to the 2016 Power
23 Services Agreement with WestRock reducing Contract Energy values by 5 MW.
24

25 Sec. 2. That the Public Utility Board finds that this Resolution is
26 necessary, routine, and consistent with Governor Inslee's emergency



proclamation issued March 24, 2020 and recently extended, suspending
portions of the Open Public Meetings Act through May 31, 2020.

Approved as to form:

/s/
Chief Deputy City Attorney

Clerk

Chair

Secretary

Adopted

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Board Action Memorandum

TO: Jackie Flowers, Director of Utilities
COPY: Charleen Jacobs, Director and Board Offices
FROM: Rick Applegate, Senior Power Analyst
MEETING DATE: Requested Board Meeting Date
DATE: May 15, 2020

SUMMARY: Tacoma Power requests Public Utility Board concurrence in the Director's determination under Tacoma Municipal Code (T.M.C.) 12.06.320 that WestRock CP, LLC (WestRock) should no longer be charged for power factor correction. Additionally, the benefits associated with removing the power factor correction will not be realized unless Tacoma Power is authorized by the Board to amend the WestRock Power Service Agreement (Agreement) to reduce the monthly Contract Energy by 5 MW for the remainder of the Agreement.

BACKGROUND: Power factor correction mechanisms exist in Tacoma Power's rate schedules to compensate Tacoma Power for actions Tacoma Power may need to take to maintain a safe and reliable power system. Central to these actions are investments to maintain voltage levels within acceptable tolerances.

WestRock, a large industrial customer of Tacoma Power, uses electricity pursuant to the Agreement and is charged a power factor correction in its monthly invoice. The financial implication of this correction is an additional charge to WestRock of about \$50,000 per month. However, WestRock is unique in that it operates a large generator on its premises that helps support appropriate voltage levels on Tacoma Power's system. Accordingly, Tacoma Power has determined that it is required to take little or no corrective action with respect to WestRock's reduced power factor load and the charge for a power factor correction is not necessary.

Section 12.06.320 of the T.M.C. says:

The Director of Utilities may make such rules and regulations governing the operation of this chapter as are not inconsistent with its provisions including monthly billing on designated accounts as may be necessary to effectively administer monthly or bimonthly billing. The Director may grant reasonable adjustments in cases where the terms of this chapter place an injustice upon a customer if after written evidence has been presented to the Department it is shown that irregular circumstances of the customer's load, service and/or conditions warrant such adjustments.

WestRock presents irregular circumstances and conditions which warrant that it should not be subject to Power Factor correction provisions under its applicable rate schedule. Because of the financial magnitude of the ongoing adjustment, Tacoma Power requests the Public Utility Board concur with the Director's determination that the power factor correction is not warranted. The Director of Utilities has authority to terminate this adjustment if WestRock fails to operate its facility in a manner that supports safe and reliable system voltages, or if other circumstances warrant.

Implementation of this adjustment also requires modification of the WestRock Power Service Agreement to reduce monthly Contract Energy values by 5 MW. Without this change, the values currently appearing in WestRock's Agreement as a minimum billing determinant would not allow the removal of the power factor correction to provide any benefit to WestRock. Accordingly, Tacoma Power requests the Public Utility Board



Board Action Memorandum

approve a reduction to Contract Energy of 5 MW in the WestRock Power Service Agreement for its remaining term.

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? No.

IF THE EXPENSE IS NOT BUDGETED, PLEASE EXPLAIN HOW THEY ARE TO BE COVERED.

While anticipated revenues from customers are budgeted, actual customer revenue is a function of actual customer demand. This billing adjustment should be viewed the same as any decrease in actual customer demand.

IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING \$200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? Yes.

ATTACHMENTS: Memorandum from the Power Superintendent to the Director of Utilities requesting implementation of a recurring power factor adjustment.

CONTACT: Contact and Presenter: Rick Applegate, Senior Power Analyst, (253) 502-8012.
Supervisor: Clay Norris, Power Manager, (253) 320-0786.



DATE: May 20, 2020

TO: Jackie Flowers, Director of Utilities/CEO

FROM: Chris Robinson, Superintendent/COO

SUBJECT: Monthly invoice adjustment for WestRock power factor correction

Summary:

Tacoma Power requests that the Director of Utilities determine under Tacoma Municipal Code (T.M.C.) 12.06.320 that WestRock CP, LLC (WestRock) should no longer be charged for power factor correction.

Discussion:

Power Factor correction mechanisms exist in Tacoma Power's rates to compensate Tacoma Power for actions Tacoma Power may need to take to maintain a safe and reliable power system. Central to these actions are investments to maintain voltage levels within acceptable tolerances.

WestRock, a large industrial customer of Tacoma Power, uses electricity pursuant to an agreement and is charged a power factor correction in its monthly invoice. The financial implication of this correction is an additional charge to WestRock of about \$50,000 per month, or approximately 3% of the customer's bill. However, WestRock is unique in that it also operates a large generator on its premises that helps support appropriate voltage levels on Tacoma Power's system. Accordingly, Tacoma Power has determined that it is required to take little or no corrective action with respect to WestRock's reduced power factor load and the charge for a power factor correction is not necessary.

Section 12.06.320 of the T.M.C. says:

Additional rules may be made by director. The Director of Utilities may make such rules and regulations governing the operation of this chapter as are not inconsistent with its provisions including monthly billing on designated accounts as may be necessary to effectively administer monthly or bimonthly billing. The Director may grant reasonable adjustments in cases where the terms of this chapter place an injustice upon a customer

if after written evidence has been presented to the Department it is shown that irregular circumstances of the customer's load, service and/or conditions warrant such adjustments.

WestRock presents irregular circumstances and conditions warrant that it should not be subject to power factor correction provisions under its applicable rate schedule. Accordingly, an adjustment to WestRock monthly invoices should be made, provided, WestRock shall not operate its facility in a manner that degrades the power factor of its electrical load or reduces the voltage support capability of its generator; further, WestRock shall make arrangements with Tacoma Power to quickly modify voltage settings during emergency conditions, should they exist. If WestRock fails to meet these requirements, or if other circumstances warrant, this adjustment may be suspended or terminated at the discretion of the Director of Utilities.

Implementation of this billing adjustment will also require modification of the WestRock Power Service Agreement to reduce Contract Energy by 5 MW for the remainder of the Agreement, which will also necessitate approval of the Public Utility Board.

Submitted:



Chris Robinson, Superintendent/COO

Approved:



Jackie Flowers, Director of Utilities/CEO



RESOLUTION NO. U-11167

1 A RESOLUTION related to Tacoma Water; authorizing participation in the City
2 of Tacoma, Department of Environmental Services' contract for the North
3 Ruby, North Orchard, and North 48th Streets Project, for the replacement
4 and of water main.

5 WHEREAS the City of Tacoma, Department of Public Utilities, Water
6 Division (d.b.a. "Tacoma Water"), requests authorization to participate in the
7 City of Tacoma, Department of Environmental Services' contract for the
8 replacement of water main during the North Ruby, North Orchard, and North
9 48th Streets Project ("Project"), and

10 WHEREAS Tacoma Water is partnering with Environmental Services to
11 replace approximately 3,200 feet of 6-inch to 12-inch water main, constructed
12 circa 1948 and 1958, along N. Ruby St. (between N. Baltimore St. and No.
13 Orchard St.), N. Orchard St. (between N. 46th and N. 49th St.) and N. 48th St.
14 (between N. Baltimore and N. Orchard St.), and

15 WHEREAS the overall Project will minimize long-term road maintenance
16 by improving roadway surface with asphalt, upgrade underground utilities, and
17 construct new sidewalks with ADA improvements, and

18 WHEREAS Tacoma Water believes it is in the best interests of the utility
19 to include the water main work in Environmental Services' Project contract
20 because it will improve project delivery, reduce project costs, improve system
21 reliability, and consolidate construction disturbance to businesses, and

22 WHEREAS the estimated total cost of the water main replacement work
23 is \$745,767, plus a partner contribution of \$254,737, plus a 15 percent
24 contingency, for a cumulative total of \$1,150,580; Now, Therefore,
25
26



BE IT RESOLVED BY THE PUBLIC UTILITY BOARD OF THE CITY OF TACOMA:

1 Section 1. That Tacoma Water is authorized to participate in the
2 Environmental Services' contract to replace water main along North Ruby,
3 North Orchard, and North 48th Streets, for a total project cost of \$745,767, plus
4 a partner contribution of \$254,737, plus a 15 percent contingency, for a
5 cumulative total of \$1,150,580, including applicable taxes, and the proper
6 officers of the Department of Public Utilities and Tacoma Water are authorized
7 to execute the proposed Agreement substantially in the form as approved by
8 the City Attorney.
9

10 Section 2. That the Public Utility Board finds that this Resolution is
11 necessary, routine, and consistent with Governor Inslee's emergency
12 proclamation issued March 24, 2020 and recently extended, suspending
13 portions of the Open Public Meetings Act through May 31, 2020.
14

15 Approved as to form:

16 _____
17 /s/
18 Chief Deputy City Attorney

19 _____
20 Clerk

Chair

Secretary

Adopted _____



Board Action Memorandum

TO: Jackie Flowers, Director of Utilities
COPY: Charleen Jacobs, Director and Board Offices
FROM: Troy Saghafi, Professional Engineer, Tacoma Water
MEETING DATE: May 27th, 2020
DATE: May 14th, 2020

SUMMARY:

Authorize Tacoma Water to participate in the City of Tacoma, Department of Environmental Services, North Ruby, North Orchard, and North 48th Streets Project. Tacoma Water proposes to replace approximately 3,200 feet of 6-inch to 12-inch water main. Total project cost is \$745,767.00 plus a partner contribution of \$254,737.00 and a 15 percent contingency, for a cumulative total of \$1,150,580.00.

Tacoma Water believes it is in the best interest of the utility and its customers to include the water main work in the Environmental Services project. Project partnership will improve project delivery, reduce project costs, improve system reliability, and consolidate construction disturbance to businesses.

Environmental Services deems this project essential under Governor's Proclamation 20-25.

BACKGROUND:

Tacoma Water is partnering with the Environmental Services Department to reconstruct the existing roadway and replace approximately 3,200 feet of existing water main, constructed circa 1948 and 1958, along N. Ruby St. (between N. Baltimore St. and N. Orchard St.), N. Orchard St. (between N. 46th St. and N. 49th St.), and N. 48th St. (between N. Baltimore St. and N. Orchard St.).

The overall project will minimize long-term road maintenance by improving roadway surface with asphalt, upgrade underground utilities, and construct new sidewalks with ADA improvements.

Project partner contributions are summarized in the Tacoma Water-Environmental Services Joint Agreement.

ISSUE: Existing water main is upwards of 70 years old. Sections of the water main are near the end of its operational life.

ALTERNATIVES: Rehabilitating the existing water main is cost prohibitive. It is more cost effective to mitigate the risk of future water main breaks under a new roadway by replacing the water main.



Board Action Memorandum

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

IF THE ACTION REQUESTED IS APPROVAL OF A CONTRACT, INCLUDE LANGUAGE IN RESOLUTION AUTHORIZING \$200,000 INCREASE IN ADMINISTRATIVE AUTHORITY TO DIRECTOR? Yes.

ATTACHMENTS: Project Map
City Manager Action Memorandum
Agreement for Joint Project Tacoma Water – Environmental Services

CONTACT: Troy Saghafi, Professional Engineer, 253-345-8445
Ali Polda, Interim Assistant Division Manager, 253-502-8152



TO: Elizabeth Pauli, City Manager
Michael P. Slevin III, P.E., Environmental Services Director
Kurtis D. Kingsolver, P.E., Public Works Director/City Engineer
John Burk, P.E., ES Science and Engineering Division Manager
Shannon Wall, P.E., Division Manager, Planning & Engineering, Tacoma Water

COPY: City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator,
Steve Hoffman, Project Manager, Ali Poldo, P.E., Erik Sloan, Pavement
Manager, and Samol Hefley, Senior Buyer, Finance/Purchasing

SUBJECT: 2019A Wastewater Sewer Replacement N. 47th Street & N. Orchard Street
Vicinity
Request for Bids Specification No. ES19-0050F

DATE: May 14, 2020

Pursuant to the City of Tacoma March 12, 2020, state of emergency proclamation in response to COVID-19, made in accordance with Tacoma Municipal Code Chapter 1.10., contract awards for purchases must be approved by the City Manager or designee.

RECOMMENDATION SUMMARY:

Environmental Services and Public Works Departments and Tacoma Water recommend a contract be awarded to R.L. Alia Company, Renton, WA, in the amount of \$3,861,730.60, plus a 15 percent contingency, for a cumulative total of \$4,440,990.19, plus applicable taxes, budgeted from various departmental funds, to replace aging water distribution, wastewater, and surface water pipes in the vicinity of N. Orchard St., N. Ruby St., and N. 48th St..

STRATEGIC POLICY PRIORITY:

- Strengthen and support a safe city with healthy residents.
- Assure outstanding stewardship of the natural and built environment.

This project will replace aging water distribution pipes, wastewater pipes, and surface water pipes. Roadways impacted by the proposed underground utility replacement work will be restored to existing or better condition. This work supports a safe city with healthy residents, and assures outstanding stewardship of the natural and built environment of this neighborhood.

BACKGROUND:

Existing underground utilities in this neighborhood have provide many years of reliable essential services and are in need of replacement. These utilities have reached the end of their design life and are at risk of failure.

ISSUE: Replacement of existing wastewater pipes, water distribution pipes, and storm water pipes in this neighborhood will reduce the risk of failure that may cause interruptions in essential City services, and represents the lowest life cycle cost solution.

Replacement of the underground utilities require limited pavement restoration per the City's Right-of-Way Restoration Policy. This provides the opportunity for Public Works to collaborate



with Environmental Services, and Tacoma Water to improve the existing paved roadway surfaces by replacing the aging pavement surfaces beyond the limits of the underground utility work. Replacement of the entire paved surface will greatly improve the roadway surfaces within the limits of this project.

ALTERNATIVES: Taking no action and accepting the risk of future pipe failures that will result in unanticipated interruptions to essential City services provided to this neighborhood.

COMPETITIVE SOLICITATION:

Request for Bids Specification No. ES19-0050F was opened April 14, 2020. No companies were invited to bid and the project was advertised in the normal outlets. Nine submittals were received. R.L. Alia Company, submitted a bid that resulted in the lowest evaluated submittal after consideration of Small Business Enterprise (SBE) participation goals. The table below reflects the amount of the base award.

<u>Respondent</u>	<u>Location</u> <i>(city and state)</i>	<u>Submittal</u> <u>Amount</u>	<u>Evaluated</u> <u>Submittal</u>
R.L. Alia Company	Renton, WA	\$3,861,730.60	\$3,861,730.60
Pacific Civil & Infrastructure, Inc.	Sumner, WA	\$4,124,732.70	\$4,124,732.70
Radarte Construction, Inc.	Auburn, WA	\$4,167,328.50	\$4,167,328.50
Northwest Cascade, Inc	Puyallup, WA	\$4,617,139.00	\$4,617,139.00
Pavetta Brothers Construction, Inc.	Sumner, WA	\$4,704,573.10	\$4,704,573.10
Sound Pacific Construction, LLC	Gig Harbor, WA	\$4,734,063.00	\$4,734,063.00
Pape & Sons Construction, Inc.	Gig Harbor, WA	\$4,787,783.00	\$4,787,783.00
Johansen Construction Co., Inc.	Buckley, WA	\$4,913,384.75	\$4,913,384.75
Miles Resources, LLC	Puyallup, WA	\$5,138,505.20	\$5,138,505.20

Pre-bid Estimate: \$4,886,650.00

The recommended award is approximately 21 percent below the pre-bid estimate.

CONTRACT HISTORY: New Contract

SUSTAINABILITY: Replacement of these pipes will minimize the risk of failure thereby reducing the potential for discharge of untreated wastewater onto City right of way or neighboring properties; resulting in positive environmental impacts.

SBE/LEAP COMPLIANCE: The recommended contractor is in compliance with the Small Business Enterprise (SBE) Regulation requirements per memorandum dated May 1, 2020. The SBE goal for this project is 20 percent. R.L. Alia Company submitted the lowest evaluated bid per the SBE regulation requirements.



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4300 ES Wastewater Fund	ENV-04023-01-04	5330100	\$2,446,225.49
4301 ES Surface Water Fund	ENV-03031-18-04	5330100	\$675,764.15
1085 PW Street Initiative Fund	PWK-00438-26	5330100	\$201,935.40
4600 13-WC 2013 Bond Fund	WTR-0604-01-01-03	5330100	\$1,117,065.15
TOTAL			Up to \$4,440,990.19

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4300 ES Wastewater Fund	523900	Rate Revenues	\$2,446,225.49
4301 ES Surface Water Fund	521900	Rate Revenues	\$675,764.15
Street Initiative Revenues	663020	Various	\$201,935.40
4600 13-WC 2013 Bond Fund	586313	6311163	\$1,117,065.15
TOTAL			\$4,440,990.19

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$4,440,990.19

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

APPROVED

Elizabeth Pauli, City Manager



City of Tacoma

Memorandum

DATE: May 12, 2020

TO: Shannon Wall, P.E., Planning & Engineering Division Manager, Tacoma Water
John Burk, P.E., Environmental Services Division Manager

FROM: Troy Saghafi, P.E., Planning & Engineering Professional Engineer, Tacoma Water
Steve Hoffman., Senior Environmental Specialist, Environmental Services

TS

SH

Our respective organizations believe a coordinated effort to replace the water, sanitary sewer, and storm infrastructure in conjunction with streets and sidewalk ramp improvements along N. Orchard St. (between N. 46th St. and N. 49th St.), N. 48th St. (between N. Orchard St. and N. Baltimore St.), and N. Ruby St. (between N. Orchard St. and N. Baltimore St.), under a single City of Tacoma contract will result in efficiency and cost savings to all parties. Additionally, a joint project will minimize construction disturbance to adjacent businesses and the general public. The following summarizes the arrangements, assumptions, and action items necessary to move forward with this project:

- The project has been combined into a single Environmental Services construction contract. Environmental Services has the responsibility to lead and coordinate compilation of contract plans & specifications and advertise & award the construction contract.
- The Department of Environmental Services will administer the construction contract. Environmental Services will charge Tacoma Water for the additional incremental contract administration time associated with Tacoma Water scope of work. Tacoma Water will compensate the Environmental Services Department in the amount of 3% of the lowest responsible bidder's water base bid plus the shared item costs less sales tax. The estimated cost for the Tacoma Water portion of contract administration is \$29,140.83. This amount will be transferred to the Department of Environmental Services via journal entry at the completion of the project. This method is consistent with how construction management and overhead costs were addressed on previous projects.
- Tacoma Water will be responsible for shared street restoration, ADA sidewalk and ramp, and general contract costs as reflected in the Project Breakdown Estimate worksheet (see exhibit A). Tacoma Water portion of the shared cost are based on actual bid pricing and are estimated to be approximately \$225,597.00

As quantities on the Project Breakdown Estimate worksheet are contractor bid estimates, the Departmental actual bid quantities and costs will be separated by the same percentage, as the per bid item estimate reflected on the Project Breakdown Estimate worksheet.

- Tacoma Water will provide the WBSE for charging water main construction costs to the Water Division fund. The Water Division WBSE for this project is as follows:

WTR-00604-01-01-03, 2019-22 Construction Payments to ES

- Tacoma Water will be responsible for the cost of water distribution main work, valves, hydrants, trench excavation, trench backfill and compaction to subgrade elevation, mobilization, traffic control, and other appurtenant items directly related to the installation of new water main. These costs have been segregated within "Schedule D" of the contract bid proposal. Costs for the water distribution main is \$745,767.00



City of Tacoma

Memorandum

- Tacoma Water will request authorization from the Public Utility Board to participate in the Environmental Services contract as soon as possible following determination of the lowest responsible bidder.
- Tacoma Water will be included and fully involved in the initiation, discussion, and review of any addendums, revisions, change orders, or change of scope pertaining to the water main work. Any addendums, revisions, change orders, or change of scope pertaining to the water main scope of work or shared bid items shall be subject to the approval of Tacoma Water.
- Tacoma Water will perform all water main construction staking.
- The Department of Environmental Services will act as the overall contract construction inspection lead. Tacoma Water will be responsible for the daily inspection of the water main construction. Tacoma Water, Public Works and Environmental Services inspections will be a cooperative and coordinated effort.

We look forward to continuing our spirit of coordination and cooperation to accomplish this and future projects of mutual benefit to the citizens of Tacoma, the Department of Environmental Services, and Tacoma Water. Tacoma Water's total project contribution cost for this project is \$1,000,504.83. By signature, please indicate your approval to proceed with this joint project.

Shannon Wall

Shannon Wall, P.E.
Planning & Engineering Division Manager

5/13/2020

Date

John Burk

John Burk, P.E.
Environmental Services Division Manager

5/13/2020

Date

cc: Geff Yotter, Tacoma Water

File MRP 2019-01

APPENDIX-A

Instructions:
Fill in green cells only; white cells will be autocalculated/filled.
 The Item number needs to include three number digits; for example, R1 should be entered as R001
 The Unit column includes a drop down menu choice - be sure to fill out the correct unit of measurement
 The Tax column in the Water and Wastewater sections includes a drop down menu choice - be sure to select "Yes" for all taxable items

[illegible]

SHARED BY PERCENTAGE - EXCLUDING WATER						PW			SW			Note: Items listed in this category should include any items that are usually split up by percentage but that Water chooses to pay separately in their own schedule. These may include mobilization and traffic control, for
Item #	Bid Item Name	Unit	Total Proj Qty	Unit Price	Amount	%	\$\$	Tax?	%	\$\$	Tax?	
R003	Mobilization	LS	1	\$250,000.00	\$250,000.00	6%	15000		20%	50000		
R004	Project Temporary Traffic Control	LS	1	\$50,000.00	\$50,000.00	6%	3000		20%	10000		
		AC	0	\$0.00	\$0.00	6%	0		20%	0		
		AC	0	\$0.00	\$0.00	6%	0		20%	0		

		AC	0	\$0.00	\$0.00	6%	0	20%	0	example.	
				Subtotal	\$300,000.00			\$18,000.00			\$60,000.00

SHARED BY QUANTITY &
NON-SHARED ITEMS (included in percent partnership calculations)

Item #	Bid Item Name	Unit	Total Proj Qty	Unit Price	Amount	PW			SW			W		
						QTY	\$	Tax?	QTY	\$	Tax?	QTY	\$	Tax?
R005	Removal of Structures and Obstructions	FA	1	\$20,000.00	\$20,000.00	0	\$5,000.00		0	\$5,000.00		0	\$5,000.00	YES
R006	Abandon Piezometer	EA	1	\$2,000.00	\$2,000.00	0	\$0.00		0	\$0.00		0	\$0.00	YES
R007	Adjust Existing Gas Valve to Grade	EA	5	\$350.00	\$1,750.00	1	\$350.00		1	\$350.00		1	\$350.00	YES
R008	Gravel Borrow Incl. Haul	CY	50	\$100.00	\$5,000.00	13	\$1,250.00		13	\$1,250.00		13	\$1,250.00	YES
R009	Roadway Excavation of Contaminated material, Incl. Haul	CY	300	\$85.00	\$25,500.00	82	\$6,970.00		15	\$1,275.00		132	\$11,220.00	YES
R010	Remove Existing Pavement Type II Class A4	SY	10,550	\$8.00	\$84,480.00	2640	\$21,120.00		2640	\$21,120.00		2640	\$21,120.00	YES
R011	Remove Existing Pavement Type II Class C6	SY	410	\$18.00	\$7,380.00	103	\$1,854.00		103	\$1,854.00		103	\$1,854.00	YES
R012	Remove Existing Pavement Type II Class C12	SY	150	\$20.00	\$3,000.00	50	\$1,000.00		0	\$0.00		50	\$1,000.00	YES
R013	Remove Existing Pavement Type II Class CA	SY	480	\$24.00	\$11,520.00	240	\$5,760.00		0	\$0.00		0	\$0.00	YES
R014	Remove and Re-seat Historic Conc. Panel	EA	2	\$2,000.00	\$4,000.00	2	\$4,000.00		0	\$0.00		0	\$0.00	YES
R015	Remove Curb and Gutter	LF	700	\$10.00	\$7,000.00	150	\$1,500.00		175	\$1,750.00		200	\$2,000.00	YES
R016	Site Health and Safety Plan	LS	1	\$10,000.00	\$10,000.00	0	\$2,500.00		0	\$2,500.00		0	\$2,500.00	YES
R017	Site Health and Safety Officer	LS	1	\$10,000.00	\$10,000.00	0	\$2,500.00		0	\$2,500.00		0	\$2,500.00	YES
R018	Soil Management Plan	LS	1	\$2,000.00	\$2,000.00	0	\$500.00		0	\$500.00		0	\$500.00	YES
R019	Crushed Surfacing Top Course	TN	80	\$100.00	\$8,000.00	30	\$3,000.00		20	\$2,000.00		10	\$1,000.00	YES
R020	Crushed Surfacing Base Course	TN	1,840	\$42.00	\$77,280.00	366	\$16,212.00		74	\$3,108.00		644	\$27,048.00	YES
R021	HMA CL 1/2 In. PG 58H-22	TN	2,220	\$110.00	\$244,200.00	466	\$51,260.00		89	\$9,790.00		777	\$85,470.00	YES
R022	Cement Conc. Pavement, 8-inch Section	SY	120	\$100.00	\$12,000.00	0	\$0.00		0	\$0.00		0	\$0.00	YES
R023	Adjust Existing Valve Chamber to Grade	EA	5	\$400.00	\$2,000.00	1	\$400.00		1	\$400.00		1	\$400.00	YES
R027	Silt Fence	LF	1,000	\$2.00	\$2,000.00	0	\$0.00		0	\$0.00		0	\$0.00	YES
R028	Inlet Protection	EA	38	\$60.00	\$2,280.00	8	\$480.00		2	\$120.00		13	\$780.00	YES
R029	Street Cleaning	HR	100	\$50.00	\$5,000.00	21	\$10,500.00		4	\$2,000.00		35	\$17,500.00	YES
R031	Cement Conc. Traffic Curb and Gutter	LF	670	\$35.00	\$23,450.00	125	\$4,375.00		165	\$5,775.00		275	\$9,625.00	YES
R032	Cement Conc. Alley/Driveway Entrance, 3-Day	SY	108	\$65.00	\$7,020.00	0	\$0.00		0	\$0.00		108	\$7,020.00	YES
R033	Raised Pavement Marker Type 1Y	HN	1	\$2,000.00	\$2,000.00	1	\$1,200.00		0	\$0.00		0	\$0.00	YES
R034	Raised Pavement Marker Type 2YY	HN	0	\$2,500.00	\$250.00	0	\$250.00		0	\$0.00		0	\$0.00	YES
R035	Poured Monument	EA	8	\$500.00	\$4,000.00	2	\$1,000.00		2	\$1,000.00		2	\$1,000.00	YES
R036	Cement Conc. Sidewalk	SY	140	\$50.00	\$7,000.00	35	\$1,750.00		35	\$1,750.00		35	\$1,750.00	YES
R037	Cement Conc., Curb Ramp	EA	18	\$2,500.00	\$45,000.00	4	\$10,000.00		5	\$12,500.00		4	\$10,000.00	YES
R038	Wood Fence	LF	150	\$30.00	\$4,500.00	0	\$0.00		0	\$0.00		0	\$0.00	YES
R039	Permanent Signage	LS	1	\$2,000.00	\$2,000.00	0	\$500.00		0	\$500.00		0	\$500.00	YES
R040	Paint Line	LF	680	\$3.00	\$2,070.00	173	\$519.00		172	\$516.00		172	\$516.00	YES
		AC	0	\$0.00	\$0.00	0	\$0.00		0	\$0.00		0	\$0.00	YES
S001	Potholing	EA	13	\$1,000.00	\$13,000.00	0	\$0.00		13	\$13,000.00		0	\$0.00	YES
S002	Structure Excavation Class B	CY	1,240	\$35.00	\$43,400.00	0	\$0.00		1240	\$43,400.00		0	\$0.00	YES
S003	Shoring or Extra Excavation Class B	SF	10,200	\$0.11	\$1,122.00	0	\$0.00		10200	\$1,122.00		0	\$0.00	YES
S004	Remove Catch Basin	EA	12	\$500.00	\$6,000.00	0	\$0.00		12	\$6,000.00		0	\$0.00	YES
S005	Remove Manhole	EA	2	\$1,000.00	\$2,000.00	0	\$0.00		2	\$2,000.00		0	\$0.00	YES
S006	Crushed Surfacing Base Course	TN	315	\$42.00	\$13,230.00	0	\$0.00		315	\$13,230.00		0	\$0.00	YES
S007	HMA CL 1/2 In. PG 58H-22 for Temporary Pavement Patch	TN	200	\$50.00	\$10,000.00	0	\$0.00		200	\$10,000.00		0	\$0.00	YES
S008	Catch Basin Type 1	EA	19	\$1,600.00	\$30,400.00	0	\$0.00		19	\$30,400.00		0	\$0.00	YES
S009	Catch Basin Type 1L	EA	3	\$2,000.00	\$6,000.00	0	\$0.00		3	\$6,000.00		0	\$0.00	YES
S010	Manhole 48 In. Diam. Type 1	EA	5	\$3,500.00	\$17,500.00	0	\$0.00		5	\$17,500.00		0	\$0.00	YES
S011	Manhole 48 In. Diam. Type 3	EA	8	\$3,500.00	\$28,000.00	0	\$0.00		8	\$28,000.00		0	\$0.00	YES
S012	Concrete Inlet	EA	1	\$1,600.00	\$1,600.00	0	\$0.00		1	\$1,600.00		0	\$0.00	YES
S013	Grate Inlet Type 2	EA	1	\$3,000.00	\$3,000.00	0	\$0.00		1	\$3,000.00		0	\$0.00	YES
S014	Connect New Storm Sewer Pipe 12-inch Diam. to Existing Structure	EA	3	\$3,500.00	\$10,500.00	0	\$0.00		3	\$10,500.00		0	\$0.00	YES
S015	Reconnect Existing Sewer Pipe, 4-In. Diam., to New Structure	EA	2	\$2,000.00	\$4,000.00	0	\$0.00		2	\$4,000.00		0	\$0.00	YES
S016	Reconnect Existing Sewer Pipe, 12-In. Diam., to New Structure	EA	3	\$3,500.00	\$10,500.00	0	\$0.00		3	\$10,500.00		0	\$0.00	YES
S017	Adjust Existing Manhole, Furnish New Frame and Cover	EA	3	\$800.00	\$2,400.00	0	\$0.00		3	\$2,400.00		0	\$0.00	YES
S018	Temporary Storm Sewer Bypass	LS	1	\$2,000.00	\$2,000.00	0	\$0.00		1	\$2,000.00		0	\$0.00	YES
S019	Temporary Storm Sewer Bypass Plan	LS	1	\$250.00	\$250.00	0	\$0.00		1	\$250.00		0	\$0.00	YES
S020	PVC Storm Sewer Pipe 12 In. Diam.	LF	1,560	\$105.00	\$163,800.00	0	\$0.00		1560	\$163,800.00		0	\$0.00	YES

S021	Ductile Iron Storm Sewer Pipe 12 In. Diam.	LF	240	\$150.00	\$36,000.00	0	\$0.00	240	\$36,000.00	0	\$0.00	YES
S022	Removal and Replacement of Unsuitable Material	CY	300	\$10.00	\$3,000.00	0	\$0.00	300	\$3,000.00	0	\$0.00	YES
S023	Removal and Replacement of Unsuitable Contaminated Material, Incl. Haul	CY	410	\$85.00	\$34,850.00	0	\$0.00	410	\$34,850.00	0	\$0.00	YES
WW01	Potholing	EA	9	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW02	Roadway Excavation of Contaminated Material, Incl. Haul	CY	10	\$1,000.00	\$18,000.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW03	Structure Excavation Class B	CY	9,930	\$20.00	\$198,600.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW04	Shoring or Extra Excavation Class B	SF	79,560	\$0.11	\$9,751.60	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW05	Remove Existing Pavement, Type II Class A4	SY	160	\$12.00	\$1,920.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW06	Remove Manhole	EA	17	\$750.00	\$12,750.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW07	Crushed Surfacing Base Course	TN	920	\$52.00	\$47,840.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW08	HMA CI 1/2 In. PG 58H-22	TN	30	\$250.00	\$7,500.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW09	HMA CI 1/2 In. PG 58H-22 for Temporary Pavement Patch	TN	170	\$150.00	\$25,500.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW10	Manhole 48 In. Diam. Type 1	EA	27	\$3,100.00	\$83,700.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW11	Manhole Additional Height 48 In. Diam. Type 1	LF	60	\$75.00	\$4,500.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW12	Connect New Sewer Pipe 8-In. Diam. to Existing Structure	EA	2	\$4,000.00	\$8,000.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW13	Reconnect Existing Sewer Pipe, 4-In. Diam., To New Structure	EA	3	\$2,000.00	\$6,000.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW14	Reconnect Existing Sewer Pipe, 6-In. Diam., To New Structure	EA	5	\$2,000.00	\$10,000.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW15	Reconnect Existing Sewer Pipe, 8-In. Diam., To New Structure	EA	1	\$4,000.00	\$4,000.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW16	Adjust Existing Manhole, Furnish New Ring and Cover	EA	2	\$800.00	\$1,600.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW17	Abandon Existing Manhole	EA	7	\$600.00	\$4,200.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW18	Temporary Wastewater Sewer Bypass	LS	1	\$3,000.00	\$3,000.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW19	Temporary Wastewater Sewer Bypass Plan	LS	1	\$500.00	\$500.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW20	PVC Sewer Pipe 8 In. Diam.	LF	5,230	\$130.00	\$679,900.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW21	Removal and Replacement of Unsuitable Material	CY	5,970	\$2.00	\$11,940.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW22	Removal and Replacement of Unsuitable Contaminated Material, Incl. Haul	CY	2,460	\$65.00	\$209,100.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW23	SDR 35 PVC Sewer Pipe 6 In. Diam.	LF	920	\$130.00	\$119,600.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW24	C900 PVC Sewer Pipe 6 In. Diam.	LF	790	\$160.00	\$126,400.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
WW25	Sewer Cleanout	EA	113	\$300.00	\$33,900.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
	Removal and Disposal of existing pavement, sidewalks, curbs, and gutters includes all thicknesses & combinations	AC	0	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	YES
W003		SY	594	\$8.00	\$4,752.00	0	\$0.00	0	\$0.00	594	\$4,752.00	YES
W004	Temporary HMA Class 1/2" PG58-22, 2-inch minimum depth, installed & removed	SY		\$30.00	\$17,820.00	0	\$0.00	0	\$0.00	594	\$17,820.00	YES
W005	Crushed Surfacing Top Course for trench backfill	TN	3,842	\$30.00	\$115,260.00	0	\$0.00	0	\$0.00	3842	\$115,260.00	YES
W006	Storm Sanitary, Side Sewer Restoration	EA	37	\$60.00	\$1,850.00	0	\$0.00	0	\$0.00	37	\$1,850.00	YES
W007	Trench Excavation & Disposal of Contaminated Material, Incl. Haul to LRI	CY	2,554	\$80.00	\$229,660.00	0	\$0.00	0	\$0.00	2554	\$229,660.00	YES
W008	Trench Shoring	LF	3,145	\$1.00	\$3,145.00	0	\$0.00	0	\$0.00	3145	\$3,145.00	YES
W009	12-inch Ductile Iron Pipe, Push-On Joint, ANSIAWWA, C151, Special Class Thickness No. 52, to furnish, lay and test	LF	1,110	\$70.00	\$77,700.00	0	\$0.00	0	\$0.00	1110	\$77,700.00	YES
W010	8-inch Ductile Iron Pipe, Push-On Joint, ANSIAWWA, C151, Special Class Thickness No. 52, to furnish, lay and test	LF	534	\$70.00	\$37,380.00	0	\$0.00	0	\$0.00	534	\$37,380.00	YES
W011	6-inch Ductile Iron Pipe, Push-On Joint, ANSIAWWA, C151, Special Class Thickness No. 52, to furnish, lay and test	LF	1,650	\$70.00	\$115,500.00	0	\$0.00	0	\$0.00	1650	\$115,500.00	YES
W012	12-inch x 6-inch Ductile Iron Tee, 3-B, M.J., installed	EA	5	\$425.00	\$2,125.00	0	\$0.00	0	\$0.00	5	\$2,125.00	YES
W013	8-inch x 6-inch Ductile Iron Tee, 3-B, M.J., installed	EA	1	\$325.00	\$325.00	0	\$0.00	0	\$0.00	1	\$325.00	YES
W014	6-inch Ductile Iron Tee, 3-B, M.J., installed	EA	1	\$350.00	\$350.00	0	\$0.00	0	\$0.00	1	\$350.00	YES
W015	6-inch Ductile Iron Tee, 3-B, M.J., installed	EA	2	\$250.00	\$500.00	0	\$0.00	0	\$0.00	2	\$500.00	YES
W016	12-inch x 8-inch Ductile Iron Reducer, 2-B, M.J., w/ anchor, installed	EA	1	\$275.00	\$275.00	0	\$0.00	0	\$0.00	1	\$275.00	YES
W017	12-inch Ductile Iron Ell, M.J., 45°, installed	EA	2	\$375.00	\$750.00	0	\$0.00	0	\$0.00	2	\$750.00	YES
W018	8-inch Ductile Iron Ell, M.J., 45°, installed	EA	2	\$225.00	\$450.00	0	\$0.00	0	\$0.00	2	\$450.00	YES
W019	8-inch Ductile Iron Ell, M.J., 22-1/2°, installed	EA	4	\$225.00	\$900.00	0	\$0.00	0	\$0.00	4	\$900.00	YES
W020	6-inch Ductile Iron Ell, M.J., 45°, installed	EA	11	\$175.00	\$1,925.00	0	\$0.00	0	\$0.00	11	\$1,925.00	YES
W021	6-inch Ductile Iron Ell, M.J., 22-1/2°, installed	EA	1	\$200.00	\$200.00	0	\$0.00	0	\$0.00	1	\$200.00	YES
W022	12-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, C.I. to D.I., installed	EA	1	\$700.00	\$700.00	0	\$0.00	0	\$0.00	1	\$700.00	YES
W023	8-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, A.C. to D.I., installed	EA	2	\$400.00	\$800.00	0	\$0.00	0	\$0.00	2	\$800.00	YES
W024	6-inch Transition Coupling with 7-inch center ring, epoxy coating, and stainless steel bolts, A.C. to D.I., installed	EA	8	\$325.00	\$1,950.00	0	\$0.00	0	\$0.00	8	\$1,950.00	YES

SHARED BY QUANTITY AND NON SHARED ITEMS INCLUDED IN PERCENT PARTNERSHIP CALCULATIONS	\$155,536.00	\$519,896.00	\$949,456.00
WATER ITEMS NOT INCLUDED IN PERCENT PARTNERSHIP CALCULATIONS			\$8,000.00

TOTAL	\$175,596.00	\$587,621.00	\$971,361.00
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Percent Participation Calculation for Items that include all Utilities			
Public Works	\$155,536.00	4.00%	
Stormwater	\$519,896.00	15.00%	
Water	\$949,456.00	27.00%	
Wastewater	\$1,877,342.60	54.00%	
TOTAL	\$3,502,230.60	100.00%	*Note that these should add up to 100% but may be off by 1% due to rounding.

Percent Participation Calculation for items that Exclude Water			
Public Works	\$155,536.00	6.00%	
Stormwater	\$519,896.00	20.00%	
Wastewater	\$1,877,342.60	74.00%	
TOTAL	\$2,552,774.60	100.00%	*Note that these should add up to 100% but may be off by 1% due to rounding.

Total Base Bid			
Public Works	\$175,596.00		
Stormwater	\$587,621.00		
Water	\$971,361.00		
Wastewater	\$2,127,152.60		
	\$3,861,730.60	**THIS AMOUNT SHOULD MATCH THE ACTUAL BASE BID PRICE	

TACOMA WATER COST CONTRIBUTION SUMMARY:

Water Bid Estimate (excluding Tax)	\$745,767.00
Tacoma Water Total Street Contribution (excluding Tax)	\$225,994.00
Tacoma Water 3% Agreed Admin Cost To ES	\$29,141.00
Total Project Cost for Tacoma Water	\$1,000,902.00