

CC2021-01 AUTOMATIC METER READING (AMR) PROGRAM MANAGEMENT-PHASE 1 FOR A PERIOD OF TWO (2) YEARS FOR THE CITY OF TRENTON, DEPARTMENT OF WATER AND SEWER
 PROPOSALS OPENED 8/3/2021 AT 11:00AM

CC2021-01 AUTOMATIC METER READING (AMR) PROGRAM MANAGEMENT-PHASE 1 FOR A PERIOD OF TWO (2) YEARS FOR THE CITY OF TRENTON, DEPARTMENT OF WATER AND SEWER		
NUMBER OF RESPONDENTS:	2	
NAME OF BIDDER	CDM SMITH, INC.	E SOURCE COMPANIES LLC
ADDRESS	110 FIELDCREAST AVENUE, 6TH FLOOR	1745 38TH STREET
CITY, STATE, ZIP	EDISON, NEW JERSEY 08803	BOULDER, COLORADO 80301
CONTACT NAME	CHRISTINE A. BALLARD, PE	WAYNE GREENBERG
TELEPHONE	732-590-4528	1-800-ESOURCE
FAX	N/A	225-612-6404
E-MAIL	BALLARDCA@CDMSMITH.COM	TIP-INFO@ESOURCE.COM
STATEMENT OF OWNERSHIP DISCLOSURE	INCLUDED	INCLUDED
MANDATORY EQUAL EMPLOYMENT OPPORTUNITY EXHIBIT A	INCLUDED	INCLUDED
REQUIRED EVIDENCE EEO/AFFIRMATIVE ACTION REGULATIONS QUESTIONNAIRE	INCLUDED	INCLUDED
ACKNOWLEDGEMENT OF RECEIPT OF ADDENDA #1 DATED 7/8/2021 NOTICE TO BIDDERS	INCLUDED	INCLUDED
ACKNOWLEDGMENT OF RECEIPT OF ADDENDA #2 DATED 7/20/2021 AND POSTPONEMENT NOTICE TO BIDDERS	INCLUDED	INCLUDED
ACKNOWLEDGMENT OF RECEIPT OF ADDENDA #3 DATED 7/21/2021 AND POSTPONEMENT NOTICE TO BIDDERS	INCLUDED	INCLUDED
NJ BUSINESS REGISTRATION CERTIFICATE	INCLUDED	INCLUDED
NON-COLLUSION AFFIDAVIT	INCLUDED	INCLUDED
AMERICANS WITH DISABILITIES ACT OF 1990 LANGUAGE	INCLUDED	INCLUDED
POLITICAL CONTRIBUTION DISCLOSURE	INCLUDED	INCLUDED
DEBARMENT NOTICE	INCLUDED	INCLUDED
DISCLOSURE OF INVESTED ACTIVITIES IN IRAN	INCLUDED	INCLUDED
ETHICS COMPLAINT DISCLOSURE	INCLUDED	INCLUDED
EIC	CERT.#1509 EXP. 06/15/2022	REQUIRED FROM AWARDED VENDOR
CITY OF TRENTON RESIDENT EMPLOYMENT POLICY	INCLUDED	INCLUDED
CERTIFICATE OF INSURANCE	REQUIRED FROM AWARDED VENDOR	REQUIRED FROM AWARDED VENDOR
HOLDING PRICE FOR SIXTY (60) DAYS	YES	YES
COMPLIANCE WITH EMERGENCY SERVICES	YES	NO
GRAND TOTAL FOR TASK ITEMS #1-10	\$1,350,100.00 (SEE ATTACHED BREAKDOWN OF PRICING)	\$2,400,302.00 (SEE ATTACHED BREAKDOWN OF PRICING)
REFERENCES	INCLUDED	INCLUDED
EXCEPTIONS	NONE	NONE
FATAL FLAW	NONE	NONE

TASK	FEE
TASK 1 ASSISTANCE WITH NJ I-BANK LOAN	\$85,800
TASK 1A - NJ I-BANK, BPU, NJDEP REPORTING	\$40,700
TASK 1B - ADDITIONAL GRANT APPLICATION SUPPORT	\$26,700
TASK 1C - PREPARATION OF PHASE 2 BID DOCUMENTS THROUGH AUTHORIZATION TO ADVERTISE	\$18,400
TASK 2 CONSTRUCTION ADMINISTRATION	\$108,900
TASK 3 TWW STAFF TRAINING IN DATA MANAGEMENT AND REPORTING	\$6,800
TASK 4 QA/QC, DAILY REVIEW AND VERIFICATION OF DATA	\$650,000
TASK 4A - FIELD INSPECTION	\$585,000
TASK 4B - IN OFFICE REVIEW OF SUBMITTED DATA	\$44,500
TASK 4C - CLOUD BASED ARC-GIS PROJECT MANAGEMENT DASHBOARD	\$20,500
TASK 5 COORDINATE WITH BILLING TO MARK ACCOUNTS THAT SHOW UNUSUAL PATTERNS OF WATER USE	\$26,300
TASK 6 PUBLIC COMMUNICATIONS, OUTREACH, METER REPLACEMENT APPOINTMENT COORDINATION	\$337,600
TASK 6A - WEBSITE, SOCIAL MEDIA AND PRINTED MATERIALS	\$80,300
TASK 6B - COMMUNICATIONS AND SUPPORT	\$219,000
TASK 6C - COORDINATE COMMUNICATIONS REGARDING THE INSTALLATION FIRM AND APPOINTMENT PLAN	\$38,300
TASK 7 ATTEND PUBLIC MEETINGS, PRESENT SMART METER REPLACEMENT INFORMATION TO GENERAL PUBLIC	\$37,000
TASK 8 PROJECT CLOSEOUT	\$19,500
TASK 9 MISCELLANEOUS SERVICE CONTRACT ALLOWANCE	\$75,000
TASK 10 FOLLOW CDC guidelines FOR COVID-19 COMPLIANCE	\$3,200

Proposal Fee \$1,350,100

Detailed cost breakdowns for these tasks may be found in the Fee Schedule spreadsheet that follows.

Proposal Fee Estimate
Trenton Water Works
Automatic Meter Reading Program Management- Phase 1
August 1, 2021

Proposal Fee Estimate												
Trenton Water Works												
Automatic Meter Reading Program Management- Phase 1												
August 3, 2021												
Task ID	Task Description	Project Director	Project Manager	Engineer IX	Engineer IV	Engineer III	Admin	Website Developer	GIS Technician	Graphic Designer	RPR	Outside Professionals
		Hourly Rate	Hourly Rate	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Task 1 ASSISTANCE WITH NJ-BANK LOAN												
1A NJ-BANK, BPU, NJDEP REPORTING AND MEETINGS	24	96	21	72			2				\$ 1,000	215 \$ 39,700 \$ 40,700
1B ADDITIONAL GRANT APPLICATION SUPPORT	40	40		110				10				200 \$ 26,700 \$ 26,700
1C PREPARATION OF PHASE 2 BID DOCUMENTS THROUGH AUTHORIZATION TO ADVERTISE	8	20	48	24		8		10				148 \$ 18,600 \$ 18,600
Task 2 CONSTRUCTION ADMINISTRATION	54	132	143	180			56					605 \$ 108,500 \$ 108,500
Task 3 TWW STAFF TRAINING IN DATA MANAGEMENT AND REPORTING								24				3,600 \$ 6,800 \$ 6,800
Task 4 DATA/QC, DAILY REVIEW AND VERIFICATION OF DATA												
4A FIELD INSPECTION				24			3,260					3,260 \$ 577,500 \$ 585,000
4B IN OFFICE REVIEW OF SUBMITTED DATA	24	46		46				200				316 \$ 44,500 \$ 44,500
4C CLOUD BASED ARC-GIS PROJECT MANAGEMENT DASHBOARD								150				150 \$ 20,500 \$ 20,500
Task 5 COORDINATE WITH BILLING TO MARK ACCOUNTS THAT SHOW UNUSUAL PATTERNS OF WATER USE	24	46		34								154 \$ 26,300 \$ 26,300
Task 6 PUBLIC COMMUNICATIONS, OUTREACH, METER REPLACEMENT APPOINTMENT COORDINATION												
6A WEBSITE, SOCIAL MEDIA AND PRINTED MATERIALS	4	8	8	16			8	300		160	\$ 16,200 \$ 4,500 \$ 46 \$ 75,800 \$ 80,300	
6B COMMUNICATIONS AND SUPPORT	2						2,000					2,002 \$ 217,500 \$ 219,000
6C COORDINATE COMMUNICATIONS REGARDING THE INSTALLATION FIRM AND APPOINTMENT PLAN	4		8	15			80	60				168 \$ 18,300 \$ 18,300
Task 7 ATTEND PUBLIC MEETINGS, PRESENT SMART METER REPLACEMENT INFORMATION TO GENERAL PUBLIC	52	40	4	44			40					5,400 \$ 37,000 \$ 37,000
Task 8 PROJECT CLOSEOUT	8	20	4	30				60				122 \$ 19,500 \$ 19,500
Task 9 MISCELLANEOUS SERVICE CONTRACT ALLOWANCE												
Task 10 FOLLOW CDC Guidelines FOR COVID-19 COMPLIANCE	2		4	8								14 \$ 3,200 \$ 3,200
Total Proposal Fee and Hours		238	440	240	646	24	3,260	2,234	300	454	220	3,360 \$ 24,600 \$ 112,700 \$ 11,658 \$ 1,237,400 \$ 1,350,100

Project Fees

The following proposed costs were calculated based on our experience with similar projects; however, E Source can adjust the scope of services and provide more or less support to match the needs of Trenton and we welcome a conversation to discuss further.

Phase 1 - AMR Program Management					
Task ID	Task	Hours	Fee	Expenses	Total
Task 1 - Assistance with NJ I-Bank loan reporting requirements		1,216	\$ 241,728	\$ 6,000	\$ 247,728
<i>Task 1a – NJ I-Bank, BPU, and NJDEP reporting requirements</i>		615	\$ 109,293		
<i>Task 1b – Additional Grant Application Support</i>		160	\$ 25,784		
<i>Task 1c – Preparation of Bid Documents for Phase 2 Throughput</i>		441	\$ 106,651		
Task 2 - Status Meetings, Submittal Reviews, and Change Order Management		404	\$ 96,556	\$ 7,500	\$ 104,056
<i>Subtask</i>		404	\$ 96,556		
Task 3 - TWW Staff Training in Data Management and Reporting		64	\$ 58,746	\$ 6,000	\$ 64,746
<i>Training</i>		64	\$ 11,792		
<i>10 Data Collection Devices</i>		-	\$ 5,554		
<i>Configuration, Testing, and Training</i>		-	\$ 15,000		
<i>10 FieldSight Licenses x 24 months</i>		-	\$ 26,400		
Task 4 - QA/QC, Daily Review, and Verification of Data		11,400	\$ 1,596,136	\$ 25,500	\$ 1,621,636
<i>Subtask 4a: Field Inspection</i>		9,036	\$ 1,073,284		
<i>Subtask 4b: Data Quality Assurance</i>		1,200	\$ 285,600		
<i>Subtask 4c: Project Management Dashboard</i>		1,164	\$ 237,252		
Task 5 - Coordinate with Billing to mark accounts that show unusual activity		164	\$ 39,396	\$ -	\$ 39,396
<i>Subtask</i>		164	\$ 39,396		
Task 6 - Public Communications, Outreach, & Meter Replacement		616	\$ 161,224	\$ 6,000	\$ 167,224
<i>Task 6a – Website, Social Media, and Printed Materials</i>		340	\$ 74,460		
<i>Task 6b – Communications Support</i>		80	\$ 17,520		
<i>Task 6c – Coordinate Communications Regarding the Installation</i>		196	\$ 43,244		
<i>6 Website Fixed Fee</i>		-	\$ 2,000		
<i>6 Phone & Email Fixed Fee</i>		-	\$ 24,000		
Task 7 - Attend Public Meetings, Present Smart Meter Replacement		112	\$ 26,456	\$ 7,500	\$ 33,956
<i>Subtask</i>		112	\$ 26,456		
Task 8 - Project Closeout		160	\$ 36,048	\$ -	\$ 36,048
<i>Subtask</i>		160	\$ 36,048		
Task 9 - Miscellaneous Service Contract Allowance		-	\$ 75,000	\$ -	\$ 75,000
<i>Fixed Fee Misc. Allowance</i>		-	\$ 75,000		
Task 10 - Follow CDC guidelines for COVID -19 compliance		48	\$ 10,512	\$ -	\$ 10,512
<i>Tracking and Following CDC Guidelines</i>		48	\$ 10,512		
Total		14,184	\$ 2,341,802	\$ 58,500	\$ 2,400,302

Assumptions

E Source created this document considering the following assumptions:

- Any required state or local government taxes, fees, or business license costs will be invoiced at actual cost incurred.
- The travel and expense budget is an estimated allowance; all expenses will be billed at cost.
- The expense limit by task is calculated based on an estimated number of person-trips at \$1,500 each.

Scope Item Number	Phase/Task	Project Manager	Exec Consultant	Manager	Principal Consultant	Principal Consultant
	John Daniels	Mark Johnson	Don Rankin	Chrystal Bennett	Patrick Noonan	
	\$ 239,00	\$ 249,00	\$ 239,00	\$ 239,00	\$ 239,00	\$ 239,00
	772	288	264	1,560	100	
	AMR Program Management	\$ 184,508	\$ 71,712	\$ 63,096	\$ 372,840	\$ 23,900
1	Assistance with NJ I-Bank loan reporting requirements	\$ 248	\$ 188	\$ 64	-	\$ 32
	\$ 59,272	\$ 46,812	\$ 15,296	\$ -	\$ -	\$ 7,648
	256	40	40	-	-	20
2	Status Meetings, Submittal Reviews, and Change Order	\$ 61,184	\$ 9,960	\$ 9,560	\$ -	\$ 4,780
	-	-	-	-	-	8
3	TWW Staff Training in Data Management and Reporting	\$ -	\$ -	\$ -	\$ -	\$ 1,912
	136	-	-	32	1,560	32
4	QA/QC, Daily Review, and Verification of Data	\$ 32,504	\$ -	\$ 7,648	\$ 372,840	\$ 7,648
	24	20	120	-	-	-
5	Coordinate with Billing to mark accounts that show un	\$ 5,736	\$ 4,980	\$ 28,680	\$ -	\$ -
	16	-	-	-	-	-
6	Public Communications, Outreach, & Meter Replacement	\$ 3,824	\$ -	\$ -	\$ -	\$ -
	60	-	-	-	-	-
7	Attend Public Meetings, Present Smart Meter Replacement	\$ 14,340	\$ -	\$ -	\$ -	\$ -
	32	40	8	-	-	8
8	Project Closeout	\$ 7,648	\$ 9,960	\$ 1,912	\$ -	\$ 1,912
	-	-	-	-	-	-
9	Miscellaneous Service Contract Allowance	\$ -	\$ -	\$ -	\$ -	\$ -
	-	-	-	-	-	-
10	Follow CDC guidelines for COVID-19 compliance	\$ -	\$ -	\$ -	\$ -	\$ -
	772	288	264	1,560	100	
	Total	\$ 184,508	\$ 71,712	\$ 63,096	\$ 372,840	\$ 23,900

Consultant	Consultant	President	Client Advisor (Sub)	Tech Advisor (Sub)	Specialist (Sub)	GIS PM (Sub)	Specialists (Sub)	Inspector III (Sub)
Dylan Kelly	Kierra Thomas	Dale Pennington	Jo Stanley	John Wujek	Stephanie Farley	Duane Chapman	Robert Blash / Andrew Janocha	FTE Inspector x 2
\$ 219,00	\$ 219,00	\$ 289,00	\$ 275,00	\$ 275,00	\$ 155,00	\$ 215,00	\$ 155,00	\$ 105,00
1,048	704	36	48	100	626	118	520	8,000
\$ 229,512	\$ 154,176	\$ 10,404	\$ 13,200	\$ 27,500	\$ 97,030	\$ 25,370	\$ 80,600	\$ 840,000
8	-	12	-	38	626	-	-	-
\$ 1,752	\$ -	\$ 3,468	\$ -	\$ 10,450	\$ 97,030	\$ -	\$ -	\$ 1,216
40	-	8	-	-	-	-	-	\$ 241,728
\$ 8,760	\$ -	\$ 2,312	\$ -	\$ -	\$ -	\$ -	\$ -	404
-	-	-	-	-	-	20	36	64
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,300	\$ 5,580	\$ -
976	-	8	40	60	-	96	460	8,000
\$ 213,744	\$ -	\$ 2,312	\$ 11,000	\$ 16,500	\$ -	\$ 20,640	\$ 71,300	\$ 840,000
\$ -	\$ -	\$ -	-	-	-	-	-	164
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,396
\$ -	\$ 131,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	616
-	40	4	8	-	-	-	-	\$ 135,224
\$ -	\$ 8,760	\$ 1,156	\$ 2,200	\$ -	\$ -	\$ -	\$ -	112
24	16	4	-	2	-	2	24	160
\$ 5,256	\$ 3,504	\$ 1,156	\$ -	\$ 550	\$ -	\$ 430	\$ 3,720	\$ 36,048
-	-	-	-	-	-	-	-	-
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,512
-	48	-	-	-	-	-	-	48
\$ -	\$ 10,512	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,184
1,048	704	36	48	100	626	118	520	8,000
\$ 229,512	\$ 154,176	\$ 10,404	\$ 13,200	\$ 27,500	\$ 97,030	\$ 25,370	\$ 80,600	\$ 840,000
								\$ 2,193,848

	Fixed Fee Costs	Expenses	Total
			14,184
	\$ 58,500	\$ 2,252,348	
	\$ 6,000	\$ 1,216	
		\$ 247,728	
		404	
	\$ 7,500	\$ 104,056	
		64	
46,954	\$ 6,000	\$ 64,746	
		11,400	
	\$ 25,500	\$ 1,621,636	
		164	
	\$ -	\$ 39,396	
		616	
26,000	\$ 6,000	\$ 167,224	
		112	
	\$ 7,500	\$ 33,956	
		160	
	\$ -	\$ 36,048	
		-	
\$ 75,000	\$ -	\$ 75,000	
		48	
	\$ -	\$ 10,512	
		14,184	
\$ 147,954	\$ 58,500	\$ 2,400,302	