

Department of Energy

Western Area Power Administration Sierra Nevada Customer Service Region 114 Parkshore Drive Folsom, California 95630-4710

DEC 1 0 2018

Ms. Michelle Bertolino Electric Utility Director City of Roseville 2090 Hilltop Circle Roseville, CA 95747

Dear Ms. Bertolino:

Enclosed please find two originals of Exhibit B, Revision 4, to Contract 04-SNR-00850 between the City of Roseville (Roseville), and the Western Area Power Administration (WAPA). The Contract provides for WAPA to perform operations and maintenance on certain equipment located within Roseville's Fiddyment 230-kV Substation. The Exhibit provides the cost for WAPA to perform said operations and maintenance for calendar years 2019 through 2023. Exhibit B, Revision 3 did not include the cost of the operations services and, therefore, we must execute this Revision 4.

If Roseville is in agreement with the terms and conditions of Exhibit B, Revision 4, please have the appropriate Roseville official sign both originals, have the signatures attested, and return both original documents to Mr. Joshua Blake at this office. Once WAPA has signed the exhibit, we will return an executed original to you for your files.

If you have any questions, please contact Ms. Sandee Peebles at (916) 353-4454.

Sincerely,

Dawn Roth Lindell

Acting Senior Vice President and Sierra Nevada Regional Manager

un Peth Lindell

Enclosure

EXHIBIT B (Itemized Estimated Cost of Operations and Maintenance)

This Exhibit B, Revision 4, effective under and as a part of Contract 04-SNR-00850, shall become effective on January 1, 2019; shall terminate and supersede Exhibit B, Revision 3; and shall remain in effect until either superseded by another Exhibit B or termination of the Contract.

1. Maintenance:

- 1.1 The estimated annual charges for the operation and maintenance of the 230-kV portion of the Fiddyment 230/60-kV Substation facilities up to the high side bushing of the 230/60/12-kV transformer, including but not limited to, the 230-kV revenue metering equipment and associated instrument transformers, 230-kV breakers, buswork, disconnects, and associated equipment, the fiber optic communication system and SCADA system, and the 230-kV protection and control systems, are based on the following:
 - 1.1.1 Three power circuit breakers:
 - 1.1.2 Nine disconnect switches:
 - 1.1.3 Two ground switches;
 - 1.1.4 Three potential transformers;
 - 1.1.5 One remote terminal unit;
 - 1.1.6 Communication equipment;
 - 1.1.7 Protective relays; and
 - 1.1.8 Miscellaneous ancillary equipment.
- 1.2 The estimated work and labor-days for the years 2019 through 2023 are attached.
- 1.3 The yearly cost for WAPA to perform the work is as follows:

2019	2020	2021	2022	2023
\$16,297.01	\$12,050.87	\$47,940.91	\$30,027.96	\$13,206.70

2. Operations:

- 2.1 Roseville shall be assessed a year charge for WAPA's operations services.
- 2.2 The yearly cost for WAPA to perform operations is as follows:

2019	2020	2021	2022	2023
\$31,650.84	\$32,600.37	\$33,578.38	\$34,585.73	\$35,623.30

CITY OF ROSEVILLE

	D
	By:
Attest:	Title: City Manager
•	Address: 311 Vernon Street
Ву:	Roseville, CA 95747
Title:	Dated:
	WESTERN AREA POWER ADMINISTRATION By:
	Name:
	Title: Acting Senior Vice President and
	Sierra Nevada Regional Manager
	Address: 114 Parkshore Drive
	Folsom, California 95630
	Dated:

Customer:	City of Roseville
Contract Number:	04-SNR-00850

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense Comment	Total	2
FORECAS	T FOR CALENDAR YEAR	R 2019		House course		SP ST			VATE:	N LOS
	t Substation		ASSESSED USE		Date:		200			
FIY	SUBSTATION	FIY SUBSTATION	Substation Inspection (monthly)	Electrician	\$ 174.57	24			\$	4,189.71
FIY	SUBSTATION	FIY SUBSTATION	Protection and Communication Inspection (Quarterly)	P&C Craftsman	\$ 192.02	8			\$	1,536.16
FIY	SUBSTATION	FIY SUBSTATION	Infrared Inspection (annual)	Electrician	\$ 174.57	1			\$	174.57
FIY	SUBSTATION	FIY SUBSTATION	Annual Substation Herbicide	Electrician	\$ 174.57	1	2,735.00	Contracted Application	\$	2,909.57
FIY	SUBSTATION	ENGINEERING	Engineering Support	Engineer	\$ 191.66	5			\$	958.31
FIY	AUTOMATION \ ANNUNC	FIY ANN-C5F - TRUST	No Scheduled Maintenance			1	O SCHEDUL	ED MAINTE	NANC	
FIY	AUTOMATION \ ANNUNC	FIY ANN-C4F - TRUST	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTE	NANC	
FIY	AUTOMATION \ ANNUNC	FIY ANN-C3F - TRUST	No Scheduled Maintenance				IO SCHEDUL	ED MAINTE	NANCI	
FIY	AUTOMATION \ COMMPROC	FIY 2020 COMMUNICA TIONS PROCESSOR	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTE	NANCE	
FIY	AUTOMATION \ RTU \ BOUNDARY_METERIN G	FIY CONTROL AREA RTU - TRUST	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTE	NANCE	Erey III Salat
FIY	AUTOMATION \ RTU \ SCADA_DATA	FIY SCADA RTU - TRUST	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTE	NANCE	
FIY	BREAKER \ GAS	FIY 1582 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 174.57	2	NEXT	DUE 2022		1
FIY	BREAKER \ GAS	FIY 1182 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 174.57		NEXT	DUE 2022		
FIY	BREAKER \ GAS	FIY 1482 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 174.57		NEXT	DUE 2022		Win
=IY	BUILDING	FIY BALM-CTL - TRUST	No Scheduled Maintenance			.N	IO SCHEDUL	ED MAINTE	NANCE	
ΞIY	COMM \ FIBER \ PANEL	FIY SONET JUNGLE M UX TO/FROM ELV & R SC - TRUST	1 year JMUX Maintenance	P&C Craftsman	\$ 192.02	3			\$	576.06
FΙΥ	METER \ MICROPRO	FIY 185- 05 REVENUE METER - TRUST	1 Year Meter Maintenance	P&C Craftsman	\$ 192.02	4			\$	768.08
ΞIY	METER \ PANEL	FIY INS-A3F - ROSEVILLE LINE - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTE	NANCE	
ΞIY	METER \ PANEL	FIY INS-A4F - ELVERTA LINE - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTEI	NANCE	
ΞIY	PANEL	FIY CNT-BRDS - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTEI	NANCE	
ΊΥ	REALPROP	FIY SWITCHYARD AR EA	No Scheduled Maintenance			Includ	led with Subs	tation Inspec	tion (ab	ove)
ΊΥ	RECORDER \ DFR	FIY DFR 1A - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTEI	VANCE	
ΊΥ	RELAY\ELECMECH	FIY 86BF1 AUX RELAY (CHA3R)	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 192.02		NEXT	DUE 2021		D. L.
ΊΥ	RELAY \ ELECMECH	FIY 86BF4 AUX RELAY (CHA5R)		P&C Craftsman	\$ 192.02	6			\$	1,152.12
ΊΥ	RELAY \ ELECMECH		6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 192.02	6	·		\$	1,152.12
ΞIY	RELAY\ELECTRON		6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 192.02		NEXT DUE 2021			
ΊΥ	RELAY\ELECTRON		6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 192.02		NEXT DUE 2021			
ΞΙΥ	RELAY\ELECTRON		6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 192.02		NEXT	DUE 2021		
TY	RELAY \ MICROPRO	FIY 87LR1 ROSEVILLE LINE SET A RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 192.02	6			\$	1,152.12

Customer:	City of Roseville
Contract Number:	04-SNR-00850

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense	Total ²	2 18
FORECAS	ST FOR CALENDAR YEAR	R 2019	NEW TRANSPORT					1	THE REAL PROPERTY.	Se 12
FIY	RELAY \ MICROPRO	FIY 79/25- E1 ELVERTA LINE RE CL & SYNC CK RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 192.02	NEXT DUE 2021				
FIY	RELAY \ MICROPRO	FIY 79/25- R1 ROSEVILLE LINE R ECL & SYNC CK RELA Y	12 year Relay Maintenance	P&C Craftsman	\$ 192.02		6		\$ 1,1	52.12
FIY	RELAY\MICROPRO	FIY 87LE1 ELVERTA LI NE SET A RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 192.02	W. 15	NEX	T DUE 2021		9.1
FIY	RELAY\MICROPRO	FIY 50BF-	12 year Relay Maintenance	P&C Craftsman	\$ 192.02		NEX	(T DUE 2021		
FIY	RELAY\MICROPRO	FIY 21/21G- E1 ELVERTA LINE SE T B RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 192.02		NEX	T DUE 2021		Į,
FIY	RELAY\MICROPRO	FIY 21/21G- R1 ROSEVILLE LINE S ET B RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 192.02		NEX	T DUE 2021		
FIY	RELAY\MICROPRO	FIY 50BF- 4 1482 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 192.02		NEX	T DUE 2021		
FIY	RELAY \ MICROPRO	FIY 50BF- 1 1182 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 192.02		NEX	T DUE 2021		
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1181 - TRUST	6 year Switch Maintenance	Electrician	\$ 174.57	1111	NEX	T DUE 2021		
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1581 - TRUST	6 year Switch Maintenance	Electrician	\$ 174.57		NEX	T DUE 2021		
FIY	SWITCH\AIRBREAK\ MOTOR	FIY 1481 - TRUST	6 year Switch Maintenance	Electrician	\$ 174.57		NEX	T DUE 2021		
FIY	SWITCH\AIRBREAK\ MOTOR	FIY 1483 - TRUST	6 year Switch Maintenance	Electrician	\$ 174.57		NEX	T DUE 2021		
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1087 - TRUST	6 year Switch Maintenance	Electrician	\$ 174.57	NEXT DUE 2021				
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1287 - TRUST	6 year Switch Maintenance	Electrician	\$ 174.57	NEXT DUE 2021				
FIY	SWITCH\AIRBREAK\ MOTOR	FIY 1281 - TRUST	6 year Switch Maintenance	Electrician	\$ 174.57		NEX	T DUE 2021		
FIY	SWITCH\AIRBREAK\ MOTOR	FIY 1081 - TRUST	6 year Switch Maintenance	Electrician	\$ 174.57		NEX	T DUE 2021		
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1183 - TRUST	6 year Switch Maintenance	Electrician	\$ 174.57		NEX	T DUE 2021		4,5
FIY	SWITCH \ GROUND \ M ANUAL	FIY 1080 - TRUST	6 year Switch Maintenance	Electrician	\$ 174.57		NEX	T DUE 2021		
FIY	SWITCH \ GROUND \ M ANUAL	FIY 1280 - TRUST	6 year Switch Maintenance	Electrician	\$ 174.57		NEX	T DUE 2021		
FIY	TIMING	FIY TIME - STD SATELLITE CLO CK	No Scheduled Maintenance				NO SCHEDU	LED MAINTE	NANCE	
FIY	TRANSFMR \ CCVT	FIY VY2B-A - TRUST	No Scheduled Maintenance				NO SCHEDU	LED MAINTE	VANCE	
FIY	TRANSFMR \ CCVT	FIY VY2B-B - TRUST	No Scheduled Maintenance			NO SCHEDULED MAINTENANCE				- 14,
FIY	TRANSFMR \ CCVT	FIY VY2B-C - TRUST	No Scheduled Maintenance			NO SCHEDULED MAINTENANCE				
FIY	TRANSFMR \ CCVT		No Scheduled Maintenance			NO SCHEDULED MAINTENANCE				
FIY	TRANSFMR \ CCVT	FIY VY1A-B - TRUST	No Scheduled Maintenance			NO SCHEDULED MAINTENANCE				
FIY	TRANSFMR \ CCVT	FIY VY1A-C - TRUST	No Scheduled Maintenance			NO SCHEDULED MAINTENANCE				-
FIY	TRANSFMR \ CCVT	FIY VY2A-C - TRUST	No Scheduled Maintenance			NO SCHEDULED MAINTENANCE				
FIY	TRANSFMR\CCVT	FIY VY2A-B - TRUST	No Scheduled Maintenance			NO SCHEDULED MAINTENANCE				
FIY	TRANSFMR\CCVT	FIY VY1A-A - TRUST	No Scheduled Maintenance			1	NO SCHEDUI	LED MAINTEI	NANCE	
FIY	TRANSFMR\CT	FIY 185-05-CT2 -	No Scheduled Maintenance				NO SCHEDUI	ED MAINTE	NANCE	
ΞIY	TRANSFMR \ CT	FIY 185-05-CT1 -	No Scheduled Maintenance		A CONTRACTOR		NO SCHEDU	ED MAINTE	NANCE	

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Customer:	City of Roseville
Contract Number:	04-SNR-00850

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense Comment	Tota	l ²
FORECAS	ST FOR CALENDAR YE	AR 2019				1000			100	
FIY	TRANSFMR \ CT	FIY 185-05-CT3 - TRUST	No Scheduled Maintenance			NO SCHEDULED MAINTENANCE			E	
FIY	TRNSDUCR	FIY TD-CAT - TRUST	1 year Transducer Maintenance	P&C Craftsman	\$ 192.02		3		\$	576.06
	z we are the different				The little	TOTAL FORECAST:		\$	16,297.01	

NOTE:

¹Rate increases are estimated at 3.1% per year. FY19 this includes an additional adjustment for elimination of the General Western Allocation (GWA) to streamline indirect cost pools.

²Costs do not include emergency or non-planned work activities.

Customer:	City of Roseville
Contract Number:	04-SNR-00850

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense	Total ²	
FORECAS	T FOR CALENDAR YEAR	R 2020	CALLES CON	HAT THE REAL PROPERTY.	THE RESERVE	THE REAL PROPERTY.	6.554	Comment	To but	
Fiddymen	t Substation		MONE IN SHAPE OF				SEP HELD			.200
FIY	SUBSTATION	FIY SUBSTATION	Substation Inspection (monthly)	Electrician	\$ 179.98	24			\$	4,319.59
FIY	SUBSTATION	FIY SUBSTATION	Protection and Communication Inspection (Quarterly)	P&C Craftsman	\$ 197.97	8			\$	1,583.78
FIY	SUBSTATION	FIY SUBSTATION	Infrared Inspection (annual)	Electrician	\$ 179.98	1			\$	179.98
FIY	SUBSTATION	FIY SUBSTATION	Annual Substation Herbicide	Electrician	\$ 179.98	1	2,819.79	Contracted Application	\$	2,999.77
FłY	SUBSTATION	ENGINEERING	Engineering Support	Engineer	\$ 197.60	5			\$	988.01
FIY	AUTOMATION \ ANNUNC	FIY ANN-C5F - TRUST	No Scheduled Maintenance			1	NO SCHEDUL	ED MAINTE	NANCE	
FIY	AUTOMATION \ ANNUNC	FIY ANN-C4F - TRUST	No Scheduled Maintenance			N	NO SCHEDUL	ED MAINTE	NANCE	
FIY	AUTOMATION \ ANNUNC	FIY ANN-C3F - TRUST	No Scheduled Maintenance	一种		١	NO SCHEDUL	ED MAINTE	NANCE	
FIY	AUTOMATION \ COMMPROC	FIY 2020 COMMUNICA TIONS PROCESSOR	No Scheduled Maintenance				NO SCHEDUL	ED MAINTE	NANCE	
FIY	AUTOMATION \ RTU \ BOUNDARY_METERIN G	FIY CONTROL AREA RTU - TRUST	No Scheduled Maintenance			1	IO SCHEDUL	ED MAINTE	NANCE	
FIY	AUTOMATION \ RTU \ SCADA_DATA	FIY SCADA RTU - TRUST	No Scheduled Maintenance		C	N	O SCHEDUL	ED MAINTE	NANCE	
FIY	BREAKER \ GAS	FIY 1582 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 179.98		NEXT	T DUE 2022		
FIY	BREAKER \ GAS	FIY 1182 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 179.98		NEXT	T DUE 2022		
FIY	BREAKER \ GAS	FIY 1482 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 179.98		NEXT	Γ DUE 2022		
FIY	BUILDING	FIY BALM-CTL - TRUST	No Scheduled Maintenance			1	NO SCHEDULED MAINTENANCE			
FIY	COMM\FIBER\ PANEL	FIY SONET JUNGLE M UX TO/FROM ELV & R SC - TRUST	1 year JMUX Maintenance	P&C Craftsman	\$ 197.97	3			\$	593.92
FłY	METER \ MICROPRO	FIY 185- 05 REVENUE METER - TRUST	1 Year Meter Maintenance	P&C Craftsman	\$ 197.97	4			\$	791.89
FIY	METER \ PANEL	FIY INS-A3F - ROSEVILLE LINE - TRUST	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTE	NANCE	
FIY	METER \ PANEL	FIY INS-A4F - ELVERTA LINE - TRUST	No Scheduled Maintenance				IO SCHEDUL	ED MAINTE	NANCE	
FIY	PANEL	FIY CNT-BRDS - TRUST	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTE	NANCE	
FIY	REALPROP	FIY SWITCHYARD AR EA	No Scheduled Maintenance			Includ	ded with Subs	tation Inspec	tion (ab	ove)
ΞΙΥ	RECORDER \ DFR	FIY DFR 1A - TRUST	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTE	NANCE	3 7
=IY	RELAY \ ELECMECH	FIY 86BF1 AUX RELAY (CHA3R)	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 197.97		NEXT	DUE 2021		
=IY	RELAY\ELECMECH	FIY 86BF4 AUX RELAY (CHA5R)	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 197.97	NEXT DUE 2025				
ΞIY	RELAY\ELECMECH		6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 197.97	NEXT DUE 2025				
FIY	RELAY\ELECTRON	FIY 230KV 87BT3 BUS	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 197.97	NEXT DUE 2021				
ΞIY	RELAY \ ELECTRON	FIY 230KV 87BT3 BUS DIFF A PHASE RELAY	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 197.97	NEXT DUE 2021				
FIY	RELAY\ELECTRON	FIY 230KV 87BT3 BUS DIFF C PHASE RELAY	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 197.97		NEXT	DUE 2021		
ŦΙΥ	RELAY \ MICROPRO	FIY 87LR1 ROSEVILLE LINE SET A RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 197.97		NEXT	DUE 2031		

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Customer:	City of Roseville
Contract Number:	04-SNR-00850

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense Comment	Total ²		
FORECAS	T FOR CALENDAR YEAR	R 2020	NY NY TITLE A	TO SERVICE	A savik			Comment	THE REAL PROPERTY.		
FIY	RELAY \ MICROPRO	FIY 79/25- E1 ELVERTA LINE RE CL & SYNC CK RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 197.97		NEX	(T DUE 2031			
FIY	RELAY \ MICROPRO	FIY 79/25- R1 ROSEVILLE LINE R ECL & SYNC CK RELA Y	12 year Relay Maintenance	P&C Craftsman	\$ 197.97		NEX	(T DUE 2031			
FIY	RELAY \ MICROPRO	FIY 87LE1 ELVERTA LI NE SET A RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 197.97		NEXT DUE 2031				
FIY	RELAY \ MICROPRO	FIY 50BF- 5 1582 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 197.97		NEX	T DUE 2031			
FIY	RELAY \ MICROPRO	FIY 21/21G- E1 ELVERTA LINE SE T B RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 197.97		NEX	T DUE 2031			
FIY	RELAY \ MICROPRO	FIY 21/21G-	12 year Relay Maintenance	P&C Craftsman	\$ 197.97		NEX	T DUE 2031			
FIY	RELAY \ MICROPRO	FIY 50BF- 4 1482 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 197.97		NEX	T DUE 2031			
FIY	RELAY \ MICROPRO	FIY 50BF- 1 1182 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 197.97		NEX	T DUE 2031			
FIY	SWITCH\AIRBREAK\ MOTOR	FIY 1181 - TRUST	6 year Switch Maintenance	Electrician	\$ 179.98		NEX	T DUE 2021			
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1581 - TRUST	6 year Switch Maintenance	Electrician	\$ 179.98		NEX	T DUE 2021			
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1481 - TRUST	6 year Switch Maintenance	Electrician	\$ 179.98		NEX	T DUE 2021			
FIY	SWITCH\AIRBREAK\ MOTOR	FIY 1483 - TRUST	6 year Switch Maintenance	Electrician	\$ 179.98		NEXT DUE 2021				
FIY	SWITCH\AIRBREAK\ MOTOR	FIY 1087 - TRUST	6 year Switch Maintenance	Electrician	\$ 179.98		NEXT DUE 2021				
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1287 - TRUST	6 year Switch Maintenance	Electrician	\$ 179.98		NEX	T DUE 2021			
FIY	SWITCH\AIRBREAK\ MOTOR	FIY 1281 - TRUST	6 year Switch Maintenance	Electrician	\$ 179.98		NEX	T DUE 2021			
FIY	SWITCH\AIRBREAK\ MOTOR	FIY 1081 - TRUST	6 year Switch Maintenance	Electrician	\$ 179.98		NEX	T DUE 2021			
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1183 - TRUST	6 year Switch Maintenance	Electrician	\$ 179.98		NEX	T DUE 2021			
FIY	SWITCH\GROUND\M ANUAL	FIY 1080 - TRUST	6 year Switch Maintenance	Electrician	\$ 179.98	188	NEX	T DUE 2021			
FIY	SWITCH\GROUND\M ANUAL	FIY 1280 - TRUST	6 year Switch Maintenance	Electrician	\$ 179.98		NEX	T DUE 2021			
FIY	TIMING	FIY TIME - STD SATELLITE CLO CK	No Scheduled Maintenance				NO SCHEDU	LED MAINTE	NANCE		
FIY	TRANSFMR\CCVT	FIY VY2B-A - TRUST	No Scheduled Maintenance				NO SCHEDU	LED MAINTE	NANCE		
FIY	TRANSFMR \ CCVT	FIY VY2B-B - TRUST	No Scheduled Maintenance				NO SCHEDU	LED MAINTE	NANCE		
ΞIY	TRANSFMR \ CCVT	FIY VY2B-C - TRUST	No Scheduled Maintenance			15 - 51	NO SCHEDU	LED MAINTE	NANCE		
ΞIY	TRANSFMR\CCVT	FIY VY2A-A - TRUST	No Scheduled Maintenance				NO SCHEDU	LED MAINTE	NANCE		
FIY	TRANSFMR \ CCVT		No Scheduled Maintenance				NO SCHEDULED MAINTENANCE				
FIY	TRANSFMR\CCVT	FIY VY1A-C - TRUST	No Scheduled Maintenance		1, 2		NO SCHEDULED MAINTENANCE				
ΞIY	TRANSFMR \ CCVT	FIY VY2A-C - TRUST	No Scheduled Maintenance				NO SCHEDULED MAINTENANCE				
FIY	TRANSFMR\CCVT	FIY VY2A-B - TRUST	No Scheduled Maintenance				NO SCHEDULED MAINTENANCE				
FIY	TRANSFMR \ CCVT	FIY VY1A-A - TRUST	No Scheduled Maintenance				NO SCHEDU	LED MAINTE	NANCE		
FIY	TRANSFMR \ CT		No Scheduled Maintenance				NO SCHEDU	LED MAINTE	NANCE		
ΞIY	TRANSFMR \ CT	FIY 185-05-CT1 -	No Scheduled Maintenance		DEE		NO SCHEDUI	LED MAINTE	VANCE		

CY2020 Annual Cost Estimate 5 of 15

Customer:	City of Roseville
Contract Number:	04-SNR-00850

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense Comment	Tota	l ²
FORECAS	T FOR CALENDAR YE	AR 2020	The same of the	THE RESERVE	AL PROPERTY.	14500		a la	100	
FIY	TRANSFMR \ CT	FIY 185-05-CT3 - TRUST	No Scheduled Maintenance			HI	NO SCHEDU	ILED MAINTE	NANC	E
FIY	TRNSDUCR	FIY TD-CAT - TRUST	1 year Transducer Maintenance	P&C Craftsman	\$ 197.97		3		\$	593.92
							TOTAL	FORECAST:	\$	12,050.87

NOTE:

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¹Rate increases are estimated at 3.1% per year.

²Costs do not include emergency or non-planned work activities.

Customer:	City of Roseville	
Contract Number:	04-SNR-00850	

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense Comment	Total	2
FORECAS	T FOR CALENDAR YEAR	R 2021	E SEW SOUTH			No.	No. of Street, or other party	Comment		THE PARTY
	Substation						in's s'il	ner ile		amin'ny
FIY	SUBSTATION	FIY SUBSTATION	Substation Inspection (monthly)	Electrician	\$ 185.56	24			\$	4,453.50
FIY	SUBSTATION	FIY SUBSTATION	Protection and Communication Inspection (Quarterly)	P&C Craftsman	\$ 204.11	8			\$	1,632.88
FIY	SUBSTATION	FIY SUBSTATION	Infrared Inspection (annual)	Electrician	\$ 185.56	1			\$	185.56
FIY	SUBSTATION	FIY SUBSTATION	Annual Substation Herbicide	Electrician	\$ 185.56	1	2,907.20	Contracted Application	\$	3,092.76
FIY	SUBSTATION	ENGINEERING	Engineering Support	Engineer	\$ 203.73	5			\$	1,018.64
FIY	AUTOMATION \ ANNUNC	FIY ANN-C5F - TRUST	No Scheduled Maintenance			1				
FIY	AUTOMATION \ ANNUNC	FIY ANN-C4F - TRUST	No Scheduled Maintenance					LED MAINTE		
FIY	AUTOMATION \ ANNUNC	FIY ANN-C3F - TRUST	No Scheduled Maintenance				NO SCHEDU	LED MAINTE	NANCE	
FIY	AUTOMATION \ COMMPROC	FIY 2020 COMMUNICA TIONS PROCESSOR	No Scheduled Maintenance			l l	IO SCHEDU	LED MAINTE	NANCE	
FIY	AUTOMATION \ RTU \ BOUNDARY_METERIN G	FIY CONTROL AREA RTU - TRUST	No Scheduled Maintenance			1	IO SCHEDUI	LED MAINTE	NANCE	
FIY	AUTOMATION \ RTU \ SCADA_DATA	FIY SCADA RTU - TRUST	No Scheduled Maintenance	月 太陽東		N	IO SCHEDUI	LED MAINTE	NANCE	
FIY	BREAKER \ GAS	FIY 1582 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 185.56		NEX	T DUE 2022		* 64
FIY	BREAKER \ GAS	FIY 1182 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 185.56		NEX	T DUE 2022		
FIY	BREAKER \ GAS	FIY 1482 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 185.56		NEX	T DUE 2022		
FIY	BUILDING	FIY BALM-CTL - TRUST	No Scheduled Maintenance				IO SCHEDUI	LED MAINTE	NANCE	
FIY	COMM \ FIBER \ PANEL	FIY SONET JUNGLE M UX TO/FROM ELV & R SC - TRUST	1 year JMUX Maintenance	P&C Craftsman	\$ 204.11	3			\$	612.33
FIY	METER \ MICROPRO	FIY 185- 05 REVENUE METER - TRUST	1 Year Meter Maintenance	P&C Craftsman	\$ 204.11	4			\$	816.44
ΞIY	METER \ PANEL	FIY INS-A3F - ROSEVILLE LINE - TRUST	No Scheduled Maintenance	Y		N	IO SCHEDUL	ED MAINTE	NANCE	
FΙΥ	METER \ PANEL	FIY INS-A4F - ELVERTA LINE - TRUST	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTE	NANCE	
ΞIY	PANEL	FIY CNT-BRDS - TRUST	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTE	NANCE	
ΞIY	REALPROP	FIY SWITCHYARD AR EA	No Scheduled Maintenance			Includ	led with Subs	station Inspec	tion (ab	ove)
ΞIY	RECORDER \ DFR	FIY DFR 1A - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTE	NANCE	
ΞIY	RELAY\ELECMECH	FIY 86BF1 AUX RELAY (CHA3R)	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 204.11	6			\$	1,224.66
ΞIY	RELAY\ELECMECH	FIY 86BF4 AUX RELAY (CHA5R)	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 204.11		NEXT	DUE 2025		
ΊΥ	RELAY\ELECMECH	FIY 86BF5 AUX RELAY (CHA5R)	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 204.11		NEXT	T DUE 2025		
ΊΥ	RELAY\ELECTRON	FIY 230KV 87BT3 BUS DIFF B PHASE RELAY	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 204.11	6			\$	1,224.66
FIY	RELAY\ELECTRON		6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 204.11	6			\$	1,224.66
ΊΥ	RELAY\ELECTRON		6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 204.11	6			\$	1,224.66
ΊΥ	RELAY\MICROPRO	FIY 87LR1 ROSEVILLE LINE SET A RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 204.11		NEXT	DUE 2031		

CY2021 Annual Cost Estimate 7 of 15

Customer:	City of Roseville
Contract Number:	04-SNR-00850

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense	Total	j ²
FORECAS	ST FOR CALENDAR YEAR	R 2021	Production in the second		THE TOTAL		Barrier.	175.174	100	114815
FIY	RELAY \ MICROPRO	FIY 79/25- E1 ELVERTA LINE RE CL & SYNC CK RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 204.11		NEX	T DUE 2031		
FIY	RELAY \ MICROPRO	FIY 79/25- R1 ROSEVILLE LINE R ECL & SYNC CK RELA	12 year Relay Maintenance	P&C Craftsman	\$ 204.11		NEX	T DUE 2031		
FIY	RELAY \ MICROPRO	FIY 87LE1 ELVERTA LI NE SET A RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 204.11		NEX	T DUE 2031		1
FIY	RELAY \ MICROPRO	FIY 50BF- 5 1582 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 204.11	Ten y	NEX	T DUE 2031		
FIY	RELAY \ MICROPRO	FIY 21/21G- E1 ELVERTA LINE SE T B RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 204.11		NEX	T DUE 2031		
FIY	RELAY \ MICROPRO	FIY 21/21G-	12 year Relay Maintenance	P&C Craftsman	\$ 204.11		NEX	T DUE 2031		
FIY	RELAY \ MICROPRO	FIY 50BF- 4 1482 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 204.11		NEX	T DUE 2031		
FIY	RELAY \ MICROPRO	FIY 50BF- 1 1182 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 204.11		NEX	T DUE 2031		
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1181 - TRUST	6 year Switch Maintenance	Electrician	\$ 185.56	15			\$	2,783.44
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1581 - TRUST	6 year Switch Maintenance	Electrician	\$ 185.56	15			\$	2,783.44
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1481 - TRUST	6 year Switch Maintenance	Electrician	\$ 185.56	15			\$	2,783.44
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1483 - TRUST	6 year Switch Maintenance	Electrician	\$ 185.56	15			\$	2,783.44
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1087 - TRUST	6 year Switch Maintenance	Electrician	\$ 185.56	15			\$	2,783.44
FIY	SWITCH\AIRBREAK\ MOTOR	FIY 1287 - TRUST	6 year Switch Maintenance	Electrician	\$ 185.56	15			\$	2,783.44
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1281 - TRUST	6 year Switch Maintenance	Electrician	\$ 185.56	15			\$	2,783.44
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1081 - TRUST	6 year Switch Maintenance	Electrician	\$ 185.56	15			\$	2,783.44
FIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1183 - TRUST	6 year Switch Maintenance	Electrician	\$ 185.56	15			\$	2,783.44
FIY	SWITCH \ GROUND \ M ANUAL	FIY 1080 - TRUST	6 year Switch Maintenance	Electrician	\$ 185.56	15			\$	2,783.44
FIY	SWITCH \ GROUND \ M ANUAL	FIY 1280 - TRUST	6 year Switch Maintenance	Electrician	\$ 185.56	15			\$	2,783.44
FIY	TIMING	FIY TIME - STD SATELLITE CLO CK	No Scheduled Maintenance			1	NO SCHEDUL	ED MAINTE	NANC	E
FIY	TRANSFMR \ CCVT	FIY VY2B-A - TRUST	No Scheduled Maintenance			1	NO SCHEDUL	ED MAINTE	NANC	E
FIY	TRANSFMR \ CCVT	FIY VY2B-B - TRUST	No Scheduled Maintenance			١	NO SCHEDUL	ED MAINTE	NANC	E
FIY	TRANSFMR \ CCVT	FIY VY2B-C - TRUST	No Scheduled Maintenance			١	NO SCHEDUL	ED MAINTE	NANC	E
FIY	TRANSFMR \ CCVT	FIY VY2A-A - TRUST	No Scheduled Maintenance		100 till	N	NO SCHEDUL	ED MAINTE	NANC	E
FIY	TRANSFMR \ CCVT	FIY VY1A-B - TRUST	No Scheduled Maintenance			1	NO SCHEDUL	ED MAINTE	NANC	E
FIY	TRANSFMR \ CCVT	FIY VY1A-C - TRUST	No Scheduled Maintenance			1	NO SCHEDUL	ED MAINTE	NANC	E
FIY	TRANSFMR \ CCVT	FIY VY2A-C - TRUST	No Scheduled Maintenance			ı	NO SCHEDUL	ED MAINTE	NANC	E
FIY	TRANSFMR \ CCVT	FIY VY2A-B - TRUST	No Scheduled Maintenance			N	NO SCHEDUL	ED MAINTE	NANC	E
FIY	TRANSFMR \ CCVT	FIY VY1A-A - TRUST	No Scheduled Maintenance			N	NO SCHEDUL	ED MAINTE	NANC	E
FIY	TRANSFMR \ CT	FIY 185-05-CT2 - TRUST	No Scheduled Maintenance			N	NO SCHEDUL	ED MAINTE	NANC	E
FIY	TRANSFMR \ CT	FIY 185-05-CT1 - TRUST	No Scheduled Maintenance			١	O SCHEDUL	ED MAINTE	NANC	E

Customer:	City of Roseville
Contract Number:	04-SNR-00850

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense Comment	Tota	l ²
FORECAS	T FOR CALENDAR YEA	R 2021	THE REPORT			100				
FIY	TRANSFMR \ CT	FIY 185-05-CT3 - TRUST	No Scheduled Maintenance				NO SCHEDU	JLED MAINTE	NANC	E
FIY	TRNSDUCR	FIY TD-CAT - TRUST	1 year Transducer Maintenance	P&C Craftsman	\$ 204.11		3		\$	612.33
			() () () () () () () () () () () () () (TOTAL	FORECAST:	\$	47,940.91

NOTE:

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¹Rate increases are estimated at 3.1% per year.

²Costs do not include emergency or non-planned work activities.

Customer:	City of Roseville
Contract Number:	04-SNR-00850

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense	Tota	I ²
FORECAS	T FOR CALENDAR YEAR	R 2022	THE RESERVE	No. of Lot of	S Carrie	1000		Comment	Ti G	CONT.
Fiddymen	t Substation	MARINALINA		I WE SEED AL		STELLEY I	0.00	ATTENTO		1720 700
FIY	SUBSTATION	FIY SUBSTATION	Substation Inspection (monthly)	Electrician	\$ 191.32	24			\$	4,591.56
FIY	SUBSTATION	FIY SUBSTATION	Protection and Communication Inspection (Quarterly)	P&C Craftsman	\$ 210.44	8			\$	1,683.50
FIY	SUBSTATION	FIY SUBSTATION	Infrared Inspection (annual)	Electrician	\$ 191.32	1			\$	191.32
FIY	SUBSTATION	FIY SUBSTATION	Annual Substation Herbicide	Electrician	\$ 191.32	1	2,997.32	Contracted Application	\$	3,188.64
FIY	SUBSTATION	ENGINEERING	Engineering Support	Engineer	\$ 210.04	5			\$	1,050.22
FIY	AUTOMATION \ ANNUNC	FIY ANN-C5F - TRUST	No Scheduled Maintenance			1	NO SCHEDUL	ED MAINTE	NANC	E
FIY	AUTOMATION \ ANNUNC	FIY ANN-C4F - TRUST	No Scheduled Maintenance			1	NO SCHEDUL	ED MAINTE	NANC	E
FIY	AUTOMATION \ ANNUNC	FIY ANN-C3F - TRUST	No Scheduled Maintenance			1	NO SCHEDUL	ED MAINTE	NANC	E
FIY	AUTOMATION \ COMMPROC	FIY 2020 COMMUNICA TIONS PROCESSOR				1	NO SCHEDUL	ED MAINTE	NANC	E
FIY	AUTOMATION\RTU\ BOUNDARY_METERIN G	FIY CONTROL AREA RTU - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTE	NANC	E
FIY	AUTOMATION\RTU\ SCADA DATA	FIY SCADA RTU - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTE	NANC	E
FIY	BREAKER \ GAS	FIY 1582 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 191.32	30			\$	5,739.45
FIY	BREAKER \ GAS	FIY 1182 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 191.32	30			\$	5,739.45
FIY	BREAKER \ GAS	FIY 1482 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 191.32	30			\$	5,739.45
FIY	BUILDING	FIY BALM-CTL -	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTE	NANC	E
FIY	COMM \ FIBER \ PANEL	FIY SONET JUNGLE M UX TO/FROM ELV & R SC - TRUST		P&C Craftsman	\$ 210.44	3			\$	631.31
FIY	METER\MICROPRO	FIY 185- 05 REVENUE METER - TRUST	1 Year Meter Maintenance	P&C Craftsman	\$ 210.44	4			\$	841.75
FΙΥ	METER \ PANEL	FIY INS-A3F - ROSEVILLE LINE - TRUST	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTEI	NANC	E 18 3
FIY	METER \ PANEL	FIY INS-A4F - ELVERTA LINE - TRUST	No Scheduled Maintenance			N	IO SCHEDUL	ED MAINTEI	VANC	
ΞIY	PANEL	FIY CNT-BRDS - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTEI	VANC	
ΞIY	REALPROP	FIY SWITCHYARD AR EA	No Scheduled Maintenance			Includ	led with Subs	tation Inspect	tion (al	oove)
ΞIY	RECORDER \ DFR	FIY DFR 1A - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTEN	VANCI	
ΞĮŲ	RELAY\ELECMECH	FIY 86BF1 AUX RELAY (CHA3R)	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEXT	DUE 2027		
ΞIY	RELAY\ELECMECH		6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEXT	DUE 2025		
ΊΥ	RELAY\ELECMECH	FIY 86BF5 AUX RELAY (CHA5R)	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEXT	DUE 2025		
FIY		FIY 230KV 87BT3 BUS DIFF B PHASE RELAY	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEXT DUE 2027			
FIY		FIY 230KV 87BT3 BUS DIFF A PHASE RELAY	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEXT DUE 2027			
TIY		FIY 230KV 87BT3 BUS DIFF C PHASE RELAY	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEXT	DUE 2027		
ΊΥ	RELAY \ MICROPRO	FIY 87LR1 ROSEVILLE LINE SET A RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEXT	DUE 2031		

Customer:	City of Roseville	
Contract Number:	04-SNR-00850	

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense Comment	Total ²
FORECAS	T FOR CALENDAR YEAR	R 2022	AND THE PARTY		P. P. Connection	No. of the	1000	Comment	UK SET
FIY	RELAY \ MICROPRO	FIY 79/25- E1 ELVERTA LINE RE CL & SYNC CK RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEX	T DUE 2031	
FIY	RELAY \ MICROPRO	FIY 79/25- R1 ROSEVILLE LINE R ECL & SYNC CK RELA Y	12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEX	T DUE 2031	
FIY	RELAY \ MICROPRO	FIY 87LE1 ELVERTA LI NE SET A RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEX	T DUE 2031	
ΞIY	RELAY \ MICROPRO	FIY 50BF- 5 1582 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEX	T DUE 2031	
ΞIY	RELAY \ MICROPRO	FIY 21/21G- E1 ELVERTA LINE SE T B RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEX	T DUE 2031	
FIY	RELAY \ MICROPRO	FIY 21/21G- R1 ROSEVILLE LINE S ET B RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEX	T DUE 2031	
ΊΥ	RELAY \ MICROPRO	FIY 50BF-	12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEX	T DUE 2031	
ΊΥ	RELAY \ MICROPRO	FIY 50BF-	12 year Relay Maintenance	P&C Craftsman	\$ 210.44		NEX	T DUE 2031	
TY	SWITCH \ AIRBREAK \ MOTOR	FIY 1181 - TRUST	6 year Switch Maintenance	Electrician	\$ 191.32		NEX	T DUE 2027	
ΊΥ	SWITCH \ AIRBREAK \ MOTOR	FIY 1581 - TRUST	6 year Switch Maintenance	Electrician	\$ 191.32		NEX	T DUE 2027	
ΊΥ	SWITCH \ AIRBREAK \ MOTOR	FIY 1481 - TRUST	6 year Switch Maintenance	Electrician	\$ 191.32		NEX.	T DUE 2027	
ΊΥ	SWITCH \ AIRBREAK \ MOTOR	FIY 1483 - TRUST	6 year Switch Maintenance	Electrician	\$ 191.32	n Nije	NEX.	T DUE 2027	
ΊΥ	SWITCH \ AIRBREAK \ MOTOR	FIY 1087 - TRUST	6 year Switch Maintenance	Electrician	\$ 191.32		NEX	T DUE 2027	
ΊΥ	SWITCH \ AIRBREAK \ MOTOR	FIY 1287 - TRUST	6 year Switch Maintenance	Electrician	\$ 191.32		NEX-	T DUE 2027	
IY	SWITCH \ AIRBREAK \ MOTOR	FIY 1281 - TRUST	6 year Switch Maintenance	Electrician	\$ 191.32		NEX	T DUE 2027	
IY	SWITCH \ AIRBREAK \ MOTOR	FIY 1081 - TRUST	6 year Switch Maintenance	Electrician	\$ 191.32		NEX.	Γ DUE 2027	
ΊΥ	SWITCH \ AIRBREAK \ MOTOR	FIY 1183 - TRUST	6 year Switch Maintenance	Electrician	\$ 191.32			Γ DUE 2027	
IY	SWITCH \ GROUND \ M ANUAL		6 year Switch Maintenance	Electrician	\$ 191.32			Γ DUE 2027	
IY	ANUAL	FIY 1280 - TRUST	6 year Switch Maintenance	Electrician	\$ 191.32			Γ DUE 2027	
ΊΥ	TIMING	FIY TIME - STD SATELLITE CLO CK	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTEI	VANCE
ΊΥ	TRANSFMR \ CCVT	FIY VY2B-A - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTE	VANCE
ΊΥ	TRANSFMR \ CCVT	FIY VY2B-B - TRUST	No Scheduled Maintenance			· N	O SCHEDUL	ED MAINTEI	VANCE
IY	TRANSFMR \ CCVT	FIY VY2B-C - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTEI	NANCE
ΙΥ	TRANSFMR \ CCVT	FIY VY2A-A - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTEI	NANCE
ΙΥ	TRANSFMR \ CCVT	FIY VY1A-B - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTEI	NANCE
ΙΥ	TRANSFMR \ CCVT	FIY VY1A-C - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTE	NANCE
ΙΥ	TRANSFMR \ CCVT	FIY VY2A-C - TRUST	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTE	NANCE
ΙΥ	TRANSFMR \ CCVT	I I	No Scheduled Maintenance			N	O SCHEDUL	ED MAINTEI	NANCE
ΙΥ	TRANSFMR \ CCVT		No Scheduled Maintenance			N	O SCHEDUL	ED MAINTEI	NANCE
IY	TRANSFMR \ CT	FIY 185-05-CT2 - TRUST	No Scheduled Maintenance					ED MAINTEI	
IY	TRANSFMR \ CT	l I	No Scheduled Maintenance			N	SCHEDUL	ED MAINTE	NANCE

Customer:	City of Roseville
Contract Number:	04-SNR-00850

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense Comment	Tota	12
FORECAS	T FOR CALENDAR YE	AR 2022	La Carrier	A PROPERTY OF THE				1000		
FIY	TRANSFMR\CT	FIY 185-05-CT3 - TRUST	No Scheduled Maintenance			NO SCHEDULED MAINTENANCE				E
FIY	TRNSDUCR	FIY TD-CAT - TRUST	1 year Transducer Maintenance	P&C Craftsman	\$ 210.44		3		\$	631.31
15 19 19			2 2 5 9 9 5 7 1 1 5 11 5				TOTAL FORECAST: \$			30,027.96

NOTE:

¹Rate increases are estimated at 3.1% per year. ²Costs do not include emergency or non-planned work activities.

Customer:	City of Roseville
Contract Number:	04-SNR-00850

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense	Total ²	
FORECAS	T FOR CALENDAR YEAR	R 2023	Early Control	CONTRACTOR	HIELEN	E'le un	Physics .	Collinent	le s	1000
Fiddyment	t Substation	September 18 day		Madilla Section						
FIY	SUBSTATION	FIY SUBSTATION	Substation Inspection (monthly)	Electrician	\$ 197.25	24			\$	4,733.90
FIY	SUBSTATION	FIY SUBSTATION	Protection and Communication Inspection (Quarterly)	P&C Craftsman	\$ 216.96	8			\$	1,735.69
FIY	SUBSTATION	FIY SUBSTATION	Infrared Inspection (annual)	Electrician	\$ 197.25	1			\$	197.25
FIY	SUBSTATION	FIY SUBSTATION	Annual Substation Herbicide	Electrician	\$ 197.25	1	3,090.2	4 Contracted Application	\$	3,287.48
FIY	SUBSTATION	ENGINEERING	Engineering Support	Engineer	\$ 216.56	5			\$	1,082.78
FIY	AUTOMATION \ ANNUNC	FIY ANN-C5F - TRUST	No Scheduled Maintenance					LED MAINTE	day di	
FIY	AUTOMATION \ ANNUNC	FIY ANN-C4F - TRUST	No Scheduled Maintenance				A 10.15	LED MAINTE	II EIF	
FIY	AUTOMATION \ ANNUNC	FIY ANN-C3F - TRUST	No Scheduled Maintenance			196		LED MAINTE		
FIY	AUTOMATION \ COMMPROC	FIY 2020 COMMUNICA TIONS PROCESSOR	No Scheduled Maintenance			١	IO SCHEDU	LED MAINTE	NANCE	J ŽIA
FIY	AUTOMATION \ RTU \ BOUNDARY_METERIN G	FIY CONTROL AREA RTU - TRUST	No Scheduled Maintenance				IO SCHEDU	LED MAINTE	NANCE	
FIY	AUTOMATION\RTU\ SCADA DATA	FIY SCADA RTU - TRUST	No Scheduled Maintenance			N	IO SCHEDU	LED MAINTE	NANCE	
FIY	BREAKER \ GAS	FIY 1582 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 197.25		NEX	T DUE 2027		
FIY	BREAKER \ GAS	FIY 1182 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 197.25		NEX	T DUE 2027		
FIY	BREAKER \ GAS	FIY 1482 BREAKER - TRUST	5 year / 10 year Maintenance	Electrician	\$ 197.25		NEXT DUE 2027			
FIY	BUILDING	FIY BALM-CTL - TRUST	No Scheduled Maintenance			N	IO SCHEDU	LED MAINTE	NANCE	
FIY	COMM \ FIBER \ PANEL	FIY SONET JUNGLE M UX TO/FROM ELV & R SC - TRUST	1 year JMUX Maintenance	P&C Craftsman	\$ 216.96	3	101010		\$	650.88
FIY	METER \ MICROPRO	FIY 185- 05 REVENUE METER - TRUST	1 Year Meter Maintenance	P&C Craftsman	\$ 216.96	4			\$	867.84
FIY	METER \ PANEL	FIY INS-A3F - ROSEVILLE LINE - TRUST	No Scheduled Maintenance			N	IO SCHEDU	LED MAINTE	NANCE	
FIY	METER \ PANEL	FIY INS-A4F - ELVERTA LINE - TRUST	No Scheduled Maintenance			٨	IO SCHEDU	LED MAINTE	NANCE	
FIY	PANEL	FIY CNT-BRDS - TRUST	No Scheduled Maintenance			N	IO SCHEDU	LED MAINTE	NANCE	
FIY	REALPROP	FIY SWITCHYARD AR EA	No Scheduled Maintenance			Includ	led with Sub	station Inspec	tion (ab	ove)
FIY	RECORDER \ DFR	FIY DFR 1A - TRUST	No Scheduled Maintenance			N	IO SCHEDU	LED MAINTE	NANCE	
FIY	RELAY\ELECMECH	FIY 86BF1 AUX RELAY (CHA3R)	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 216.96		NEX	T DUE 2027	H	
-IY	RELAY\ELECMECH	FIY 86BF4 AUX RELAY (CHA5R)	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 216.96		NEX	T DUE 2025		1811
ΞIY	RELAY\ELECMECH	FIY 86BF5 AUX RELAY (CHA5R)	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 216.96		NEX	T DUE 2025		
ΞIΥ	RELAY\ELECTRON	FIY 230KV 87BT3 BUS DIFF B PHASE RELAY	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 216.96		NEX	T DUE 2027		
ΞIY	RELAY\ELECTRON	FIY 230KV 87BT3 BUS DIFF A PHASE RELAY	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 216.96		NEX	T DUE 2027	ŊΥ	134
ΊΥ	RELAY\ELECTRON	FIY 230KV 87BT3 BUS DIFF C PHASE RELAY	6 year / 12 year Relay Maintenance	P&C Craftsman	\$ 216.96		NEX	T DUE 2027		
ΙΥ	RELAY\MICROPRO	FIY 87LR1 ROSEVILLE LINE SET A RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 216.96		NEX	T DUE 2031		Τ.

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Customer:	City of Roseville	
Contract Number:	04-SNR-00850	

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours Expense	LED JOY, HOOMES	Total ²		
	T FOR CALENDAR YEAR	R 2023	RESERVATION OF		a Cade A	NEW TOWN	Comment	TO SYNON		
ΊΥ	RELAY \ MICROPRO	FIY 79/25- E1 ELVERTA LINE RE CL & SYNC CK RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 216.96	N	EXT DUE 2031			
ΞIY	RELAY \ MICROPRO	FIY 79/25- R1 ROSEVILLE LINE R ECL & SYNC CK RELA Y	12 year Relay Maintenance	P&C Craftsman	\$ 216.96	NI	EXT DUE 2031			
FIY	RELAY \ MICROPRO	FIY 87LE1 ELVERTA LI NE SET A RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 216.96	NEXT DUE 2031				
ΊΥ	RELAY \ MICROPRO	FIY 50BF- 5 1582 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 216.96	NI	XT DUE 2031			
ΊΥ	RELAY \ MICROPRO	FIY 21/21G- E1 ELVERTA LINE SE T B RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 216.96	NE ·	XT DUE 2031			
ΊΥ	RELAY \ MICROPRO	FIY 21/21G- R1 ROSEVILLE LINE S ET B RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 216.96	NE	XT DUE 2031			
·ΙΥ	RELAY \ MICROPRO	FIY 50BF- 4 1482 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 216.96	NE	XT DUE 2031			
ΊΥ	RELAY \ MICROPRO	FIY 50BF- 1 1182 BREAKER FAIL URE RELAY	12 year Relay Maintenance	P&C Craftsman	\$ 216.96	NE	XT DUE 2031			
ΞIY	SWITCH \ AIRBREAK \ MOTOR	FIY 1181 - TRUST	6 year Switch Maintenance	Electrician	\$ 197.25	NE	XT DUE 2027			
ΊΥ	SWITCH \ AIRBREAK \ MOTOR	FIY 1581 - TRUST	6 year Switch Maintenance	Electrician	\$ 197.25	NE	XT DUE 2027	hezi i		
ΊΥ	SWITCH \ AIRBREAK \ MOTOR	FIY 1481 - TRUST	6 year Switch Maintenance	Electrician	\$ 197.25	NE	XT DUE 2027			
ΊΥ	SWITCH \ AIRBREAK \ MOTOR		6 year Switch Maintenance	Electrician	\$ 197.25	NEXT DUE 2027				
ΊΥ	SWITCH \ AIRBREAK \ MOTOR	FIY 1087 - TRUST	6 year Switch Maintenance	Electrician	\$ 197.25	NE	XT DUE 2027			
ΊΥ	SWITCH\AIRBREAK\ MOTOR	FIY 1287 - TRUST	6 year Switch Maintenance	Electrician	\$ 197.25	NE	XT DUE 2027			
ΊΥ	SWITCH\AIRBREAK\ MOTOR		6 year Switch Maintenance	Electrician	\$ 197.25	NE	XT DUE 2027			
IY	SWITCH\AIRBREAK\ MOTOR		6 year Switch Maintenance	Electrician	\$ 197.25	NE	XT DUE 2027			
IY	SWITCH\AIRBREAK\ MOTOR		6 year Switch Maintenance	Electrician	\$ 197.25	NE	XT DUE 2027			
IY	SWITCH \ GROUND \ M ANUAL	FIY 1080 - TRUST	6 year Switch Maintenance	Electrician	\$ 197.25	NE	XT DUE 2027			
IY	SWITCH\GROUND\M ANUAL		6 year Switch Maintenance	Electrician	\$ 197.25	NE	XT DUE 2027			
ΙΥ	TIMING	FIY TIME - STD SATELLITE CLO CK	No Scheduled Maintenance			NO SCHED	ULED MAINTE	NANCE		
ΊΥ	TRANSFMR \ CCVT		No Scheduled Maintenance			NO SCHED	ULED MAINTE	NANCE		
IY	TRANSFMR \ CCVT	FIY VY2B-B - TRUST	No Scheduled Maintenance			NO SCHED	ULED MAINTE	NANCE		
IY	TRANSFMR\CCVT	FIY VY2B-C - TRUST	No Scheduled Maintenance			NO SCHED	ULED MAINTE	NANCE		
IY	TRANSFMR \ CCVT	FIY VY2A-A - TRUST	No Scheduled Maintenance			NO SCHED	ULED MAINTE	NANCE		
IY	TRANSFMR \ CCVT	FIY VY1A-B - TRUST	No Scheduled Maintenance			NO SCHED	ULED MAINTE	NANCE		
Υ	TRANSFMR \ CCVT	FIY VY1A-C - TRUST	No Scheduled Maintenance			NO SCHED	ULED MAINTE	NANCE		
ΙΥ	TRANSFMR\CCVT	FIY VY2A-C - TRUST	No Scheduled Maintenance		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NO SCHED	ULED MAINTE	NANCE		
Υ	TRANSFMR\CCVT	FIY VY2A-B - TRUST	No Scheduled Maintenance			NO SCHED	ULED MAINTE	NANCE		
Υ	TRANSFMR \ CCVT	FIY VY1A-A - TRUST	No Scheduled Maintenance			NO SCHED	ULED MAINTE	VANCE		
IY	TRANSFMR \ CT	FIY 185-05-CT2 -	No Scheduled Maintenance			NO SCHED	JLED MAINTE	NANCE		
ΙΥ	TRANSFMR\CT	FIY 185-05-CT1 -	No Scheduled Maintenance			NO SCHED	JLED MAINTEI	NANCE		

Customer:	City of Roseville	
Contract Number:	04-SNR-00850	

Location	Classification	Designation	Activity	Performed By	Rate ¹	Hours	Expense	Expense	Total ²	Ž.
FORECAS	ST FOR CALENDAR YE	EAR 2023				N. Contract		The Park		
FIY	TRANSFMR\CT	FIY 185-05-CT3 - TRUST	No Scheduled Maintenance			NO SCHEDULED MAINTENANCE				
FIY	TRNSDUCR	FIY TD-CAT - TRUST	1 year Transducer Maintenance	P&C Craftsman	\$ 216.96		3		\$ 650	0.88
							TOTAL	FORECAST:	\$ 13,200	6.70

NOTE:

¹Rate increases are estimated at 3.1% per year.

²Costs do not include emergency or non-planned work activities.