

# COLUMBIA WATER & LIGHT DEPARTMENT

## FISCAL ELECTRIC REPORT

October 1, 2022 to September 30 2023

### SUMMARY

Total to date, THREE PHASE 161 kv OH LINES	29.84 miles
Total to date, THREE PHASE 69 kv OH LINES	39.93 miles
Total to date, THREE PHASE 13.8 kv OH LINES	180.79 miles
Total to date, SINGLE PHASE 8 kv OH LINES	94.51 miles
Total to date, THREE PHASE 13.8 kv UG LINES	224.07 miles
Total to date, SINGLE PHASE 8 kv UG LINES	393.83 miles
Total Distribution Circuit Miles	893.19 miles

Total DISTRIBUTION TRANSFORMERS to date	12,245
Total ELECTRIC METERS to date	52,845
Total STREET LIGHTS, all categories, to date	10,065
Total DUSK TO DAWN LIGHTS to date	2,256
Total POLES in System to date	0

<b># of distribution transformers installed in fy23</b>	<b>3</b>
<b># of electric meters installed in fy23</b>	<b>607</b>
<b>Miles of underground lines installed in fy23</b>	<b>4.20</b>
<b>Total Circuit miles of Distribution lines</b>	<b>893.19</b>

## 161 KV TRANSMISSION SYSTEM

Three phase 161 kv overhead transmission lines installed/removed				
WorkOrder #	Date Completed	Project Name	Circuit Ft Installed	Circuit Ft. Removed
Installed/Removed This Fiscal Year (feet):			0	0
Net This Fiscal Year (feet):			0	
Net This Fiscal Year (miles):			0	

## 69 KV TRANSMISSION SYSTEM

Three phase 69 kv overhead transmission lines installed/removed				
WorkOrder #	Date Completed	Project Name	Circuit Ft Installed	Circuit Ft. Removed
Installed/Removed This Fiscal Year (feet):			0	0
Net This Fiscal Year (feet):			0	
Net This Fiscal Year (miles):			0	

**13.8 KV DISTRIBUTION SYSTEM**

<b>OVERHEAD 3 PHASE 13.8 kv: INSTALLED &amp; REMOVED</b>						<b>Circuit</b>
<b>WorkOrder #</b>	<b>Date Completed</b>	<b>Project Name</b>	<b>Circuit Ft Installed</b>	<b>Circuit Ft. Removed</b>	<b>Class</b>	
19010	10/13/20	EXTEND 3P UG 600A & 200A TO PHI KAPPA PSI @ 809 S. PROVIDENCE RD, EXTEND 1P UG FR	0	1450	200	
20163	10/20/22	MOVE LOAD OFF OF FUSE 4602, BROADWAY & GARTH	0	90	200	
23263	6/26/23	REWIRE SERVICE TO FREEDOM HOUSE AT 1511 E. WALNUT ST.		60	200	
		Installed/Removed This Fiscal Year (feet):	0	1600		
		Net This Fiscal Year (feet):	-1600			
		Net This Fiscal Year (miles):	-0.30303			

<b>UNDERGROUND 3 PHASE 13.8 kv: INSTALLED &amp; REMOVED</b>						<b>Circuit</b>
<b>WorkOrder #</b>	<b>Date Completed</b>	<b>Project Name</b>	<b>Circuit Ft Installed</b>	<b>Circuit Ft. Removed</b>	<b>Class</b>	
19010	10/13/20	EXTEND 3P UG 600A & 200A TO PHI KAPPA PSI @ 809 S. PROVIDENCE RD, EXTEND 1P UG FR	460		600	
19010	10/13/20	EXTEND 3P UG 600A & 200A TO PHI KAPPA PSI @ 809 S. PROVIDENCE RD, EXTEND 1P UG FR	800	80	200	
19036	1/11/21	UNDERGROUND 3ØOH, INSTALL DEDICATED PAD MNT., AND INSTALL SERVICE TO 1206 BL-70	70	80	200	
20010	3/8/21	R/L FACILITIES @ NIFONG BLVD & BETHEL FOR ROAD WORK	1200	800	200	
20010	3/8/21	R/L FACILITIES @ NIFONG BLVD & BETHEL FOR ROAD WORK	880		600	
20163	10/20/22	MOVE LOAD OFF OF FUSE 4602, BROADWAY & GARTH	300		200	
21147	11/29/2022	INSTALL XFMR AND NEW SERVICE (R/M ONE PRIMARY METERED SERVICE) AT 4600 WACO R	975	440	200	
22005	11/4/22	EXTEND BD212, BD213, BD223, BR221 & BR223 TO SWIFT FOODS, 5008 PARIS ROAD (Revision	1200		600	
22005	11/4/22	EXTEND BD212, BD213, BD223, BR221 & BR223 TO SWIFT FOODS, 5008 PARIS ROAD (Revision	4610		200	
22094	10/12/22	EXTEND 3PH & 1PH UG TO SERVE TUSCANY RIDGE PLAT 3 (60 LOTS)	1690		200	
23004	11/17/22	EXTEND UG3P AND INSTALL SERVICE TO ALDI FOOD STORE 2901 E. BUSINESS LOOP 70	520		200	
23123	1/27/23	EXTEND UG3P AND INSTALL SERVICE TO U-HAUL STORAGE, 900 I-70 DR. SW.	260		200	
23173	7/31/23	R/P SUBMERSIBLE XFMRs AT STEPHENS COLLEGE, 1412 E. WALNUT ST.	290	290	200	
<b>23199</b>	2/20/2023	REWIRE SERVICE TO HYUNDAI DEALERSHIP FOR EV STATION		<b>110</b>	<b>200</b>	
23209	7/31/23	EXTEND UG3P AND INSTALL SERVICE TO 505 CONLEY RD. CLUB CARWASH	715		<b>200</b>	
23219	5/10/23	EXTEND UG3P AND INSTALL SERVICE TO VANDIVER SOUTH BLDG AT 2100 LAKE RIDGWAY F	1080		200	
23228	9/8/23	EXTEND UG3P AND INSTALL SERVICE TO 1110 S. COLLEGE AVE., RONALD MCDONALD HOU	395	220	<b>S</b>	
23232	5/8/23	R/M PP214 OH3P AT 115 W. BL-70 FOR ELLIS FISCHER DEMO.	450		600	
23243	6/20/23	EXTEND UG3P AND REWIRE SERVICE TO CHRISTIAN FELLOWSHIP SCHOOL, 4600 CHRISTIAN	1190	670	s	
23269	8/18/23	R/L DIRECT BURIED CABLE WITH no. 500 CU 15 KV ALONG BRISTOL LAKE PKWY NEAR BILLIN	1090	1090	600	
		Installed/Removed This Fiscal Year (feet):	18175	3780		
		Net This Fiscal Year (feet):	14395			
		Net This Fiscal Year (miles):	2.7263			

**8 KV DISTRIBUTION SYSTEM**

**OVERHEAD 1 PHASE 8 kv: INSTALLED & REMOVED**

WorkOrder #	Date Completed	Project Name	Circuit Ft Installed	Circuit Ft. Removed
19010	10/13/20	EXTEND 3P UG 600A & 200A TO PHI KAPPA PSI @ 809 S. PROVIDENCE RD, EXTEND 1P UG FR	0	790
20163	10/20/22	MOVE LOAD OFF OF FUSE 4602, BROADWAY & GARTH	0	140
23098	1/11/23	EXTEND 1P OH TO PRIVATE WELL PUMP, 7007 W. BURR OAK RD	790	
23263	6/26/23	REWIRE SERVICE TO FREEDOM HOUSE AT 1511 E. WALNUT ST.	60	
23264	6/14/23	EXTEND SINGLE PHASE OH AND INSTALL PRIMARY METERING FOR AMEREN TRANSMISSION	43	
		Installed/Removed This Fiscal Year (feet):	893	930
		Net This Fiscal Year (feet):	-37	
		Net This Fiscal Year (miles):	-0.0070	

**UNDERGROUND 1 PHASE .8 kv: INSTALLED & REMOVED**

WorkOrder #	Date Completed	Project Name	Circuit Ft Installed	Circuit Ft. Removed
19010	10/13/20	EXTEND 3P UG 600A & 200A TO PHI KAPPA PSI @ 809 S. PROVIDENCE RD, EXTEND 1P UG FR	620	50
20163	10/20/22	MOVE LOAD OFF OF FUSE 4602, BROADWAY & GARTH	270	
21059	11/22/22	UG SERVICES TO 2405 & 2407 TOWNE DR & 1607 SYLVAN LANE	250	175
22094	10/12/22	EXTEND 3PH & 1PH UG TO SERVE TUSCANY RIDGE PLAT 3 (60 LOTS)	5950	
22121	2/20/2023	INSTALL UG PRIMARY CONDUCTORS AND XFMR FOR LAKEVIEW CONDOS 7-PLEX 2200 ROLLINS RD.	80	
22163	4/4/23	INSTALL 1PH UG TO SERVE GREENVILLE (6 LOTS)	260	
23003	2/20/23	SPLIT X AND Y FUSING OFF POLE 387, 1021 ASHLAND RD.	90	120
23176	2/20/23	REPLACE BAD 1P UG & XFMR LOC 4656, 2900 MELODY LANE	85	
23180	2/8/23	E915: RELOCATE (2) UG1P CIRCUITS & ESMT DUE TO PROPERTY OWNER REQUEST	1040	1070
23228	9/8/23	EXTEND UG3P AND INSTALL SERVICE TO 1110 S. COLLEGE AVE., RONALD MCDONALD HOUSE		210
23258	7/1/23	SPLITE X & Y OFF POLLE 21655 AT 1715 BLUE RIDGE RD.	90	40
23268	8/30/23	EXTEND UG1P AND SERVE QUAIL CREEK WEST PLAT 7 (3 LOTS)	730	
		Installed/Removed This Fiscal Year (feet):	9465	1665
		Net This Fiscal Year (feet):	7800	
		Net This Fiscal Year (miles):	1.4773	

# ELECTRIC DISTRIBUTION SYSTEM

## Distribution Transformers

Previous FY total	12242
Transformers installed	103
<u>Transformers removed</u>	<u>100</u>
Net transformers this fiscal year	12245

## Electric Meters

Previous FY total	52238
Electric Meters Installed	607
<u>Electric Meters Removed</u>	<u></u>
Net Electric Meters this fiscal year	52845

## STREET LIGHTING

HPS 4W	1
HPS 18W	3
HPS 38W	8
HPS 38W UG	277
HPS 57W	156
HPS 57W UG	95
HPS 60W	9
HPS 60W UG	4
HPS 80W	0
HPS 80W UG	51
HPS 100W	1386
HPS 100W UG	3498
HPS 110W	1
HPS 110W UG	2
HPS 150W	0
HPS 150W UG	1
HPS 170W	0
HPS 170W UG	1
HPS 175W	36
HPS 175W UG	5
HPS 206 W	5
HPS 206 W UG	11
HPS 208 W	9
HPS 208 W UG	12
HPS 213 W	122
HPS 213 W UG	147
HPS 250 W	1201
HPS 250 W UG	1411
HPS 400 W	22
HPS 400 W UG	8
LED 1W	1
LED 38W	6
LED 38W UG	4
LED 57W	37
LED 57W UG	13
LED 60W	2
LED 60W UG	0
LED 80W	0
LED 80W UG	1
LED 100W	6
LED 100W UG	0
LED 110W	2
LED 110W UG	0
LED 130W	0
LED 130W UG	5
LED 170W	1
LED 170W UG	7
LED 175W	0
LED 175W UG	0
LED 203W	0

## STREET LIGHTING

LED 203W UG	1
LED 208 W	0
LED 208 W UG	38
LED 213W	26
LED 213W UG	22
LED 250W	4
LED 250W UG	0
LED 310W	0
MH 100W	0
MH 203W	0
MH 170W	0
MH 203W	1
MH 250W	0
MV 38W	4
MV 38W UG	11
MV 57W	189
MV 57W UG	6
MV 60W	12
MV 60W UG	1
MV 80W	1
MV 80W UG	5
MV 100W	351
MV 100W UG	115
MV 110W	5
MV 130W	1
MV 170W	1
MV 175W	305
MV 175W UG	28
MV 206W	2
MV 208W	0
MV 213W	68
MV 213W UG	11
MV 250W	202
MV 250W UG	64
MV 400W	8
MV 400W UG	5
HPS UG null watts	11
	10065



## DUSK to DAWN LIGHTING

Type of Light	light report	From GIS Map
NULL	1	1
HPS 4W	1	1
HPS 18W		
HPS 18W UNDGR	1	1
HPS 38W	2	2
HPS 38W UDDGR	5	5
HPS 57W	52	52
HPS 57W UNDGR	3	3
HPS 60W	4	4
HPS 80W		0
HPS 80W UNDGR	1	1
HPS 100W	450	450
HPS 100W UNDGR	61	61
HPS 110W	24	24
HPS 175W	4	4
HPS 206W	1	1
HPS 208W	5	5
HPS 213W	61	61
HPS 213W UNDGR	4	4
HPS 250W	1125	1125
HPS 250W UNDGR	28	28
HPS 400W	164	164
HPS 400W UNDGR	1	1
LED 38W		
LED 38W UNDGR		
LED 57W	6	6
LED 57W UNDGR		
LED 80W		
LED 80W UNDGR		
LED 110W		
LED 150W	2	2
LED 206W		
LED 208W		
LED 213W	1	1
LED 213W UNDGR		
LED 250W	5	5
MV 38W	1	1
MV 57W	15	15
MV 60W	2	2
MV 80W	1	1
MV 100W	35	35

DUSK to DAWN LIGHTING		
MV 100W UNDGR	5	5
MV 175W	142	142
MV 208W	1	1
MV 213W	3	3
MV 250W	22	22
MV 250W UNDGR	3	3
MV 400W	14	14
TOTAL	2256	2256