

Coldwater Board of Public Utilities

24 MONTH DATA

		PRIOR YEAR																										
4	Month	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09	Jul 09	Aug 09	Sep 09	Oct 09	Nov 09	Dec 09	Jan 10	Feb 10	Mar 10	Apr 10	May 10	Jun 10	Jul 10	Aug 10	Sep 10	Oct 10	Nov 10	Dec 10	YTD Sum		
5	Number of Customers	6,619	6,623	6,593	6,645	6,608	6,594	6,607	6,580	6,756	6,723	6,606	6,636	6,625	6,616	6,588	6,607	6,605	6,601	6,585	6,571	6,594	6,582	6,591	6,601	79,166		
6	Minutes/Month	44,640	40,320	44,640	43,200	44,640	43,200	44,640	44,640	43,200	44,640	43,200	44,640	44,640	40,320	44,640	43,200	44,640	43,200	44,640	43,200	44,640	43,200	44,640	44,640	525,600		
7																										41,609,649,600		
8	Unscheduled Outages																											
9	Long Outages																											
10	# Outages	0	5	2	7	0	3	2	6	0	2	3	3	3	0	1	1	5	4	20	1	1	3	2	0	41		
11	# Customers Out	0	2619	20	1588	0	335	35	52	0	4	15	122	27	0	56	1	6,883	62	3,229	28	3,027	346	1,211	0	14,870		
12	# Minutes Out	0	240	260	442	0	165	155	460	0	315	130	145	298	0	38	60	270	540	5,851	50	8	173	31	0	7,319		
13	# Customer Mins*	0	40050	2600	27836	0	38850	1480	4295	0	435	640	9025	2,793	0	2,128	60	241,076	9,810	312,330	1,400	24,216	18,521	19,374	0	631,708		
14	# City System	0	5	2	7	0	3	2	6	0	2	3	3	3	0	1	1	5	4	20	1	1	3	2	0	41		
15	# Supply to City Minutes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16	Short Outages																											
17	# Outages	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
18	# Customers Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
19	# City System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
20	# Supply to City Minutes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
21	Scheduled Outages																											
22	Long Outages																											
23	# Outages	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
24	# Customers Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
25	# Minutes Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
26	# Customer Mins*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
27	# City System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
28	# Supply to City Minutes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
29	Short Outages																											
30	# Outages	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
31	# Customers Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
32	# Minutes Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
33	# Customer Mins*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
34	# City System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
35	# Supply to City Minutes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
36	Totals																											
37	Total Outages (Long)	0	5	2	7	0	3	2	6	0	2	3	3	3	0	1	1	5	4	20	1	1	3	2	0	41		
38	Total Outages (Short)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
39	Total Custs Out (Long)	0	2619	20	1588	0	335	35	52	0	4	15	122	27	0	56	1	6,883	62	3,229	28	3,027	346	1,211	0	14,870		
40	Total Custs Out (Short)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
41	Total Cust Mins Out	0	40050	2600	27836	0	38850	1480	4295	0	435	640	9025	2,793	0	2,128	60	241,076	9,810	312,330	1,400	24,216	18,521	19,374	0	631,708		
42	Total City System	0	5	2	7	0	3	2	6	0	2	3	3	3	0	1	1	5	4	20	1	1	3	2	0	41		
43	Total Supply to City	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
44	Number of Outages (by Cause)																											
45	0 Supply to City	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
46	1 Overhead Equipment Failure	0	1	1	2	0	0	0	0	0	0	0	0	2	0	0	1	0	1	3	1	0	1	1	0	10		
47	2 Underground Equipment Failure	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1		
48	3 Weather	0	1	0	1	0	1	0	3	0	0	0	0	0	0	0	0	5	1	10	0	0	1	0	0	17		
49	4 Birds, Animals, Snakes, etc.	0	2	0	2	0	2	1	2	0	1	3	2	0	0	1	0	0	0	1	0	1	1	1	0	5		
50	5 Trees	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	5	0	0	0	0	0	6		
51	6 Foreign Interference	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
52	7 Human	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
53	8 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
54	9 Unknown	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1		
55	10 Vehicle	0	0	1	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1		
56	Indices																											
57	ASAI (%)	99.998236	99.99713	99.99738	99.99659	99.99659	99.99574	99.99623	99.99609	99.9965	99.9966	99.99657	99.99641	99.9963	99.9975	99.9975	99.9983	99.9914	99.9922	99.9833	99.9834	99.9826	99.9821	99.9815	99.9818	99.9985		
58	CAIDI (Long) (min)	62.387973	28.55903	26.43312	23.6906	23.64839	28.13297	28.1855	28.77544	25.97998	25.3147	25.36964	26.14008	26.5734	40.0155	39.1594	92.2813	39.9445	37.4455	55.7451	55.5958	44.8872	45.0855	42.7383	42.4820	42.48		
59	SAIDI (Long) (min)	9.2978859	15.09535	13.79739	17.91528	17.94048	22.38736	19.81922	20.55179	18.39787	17.87855	18.04874	18.8784	19.2981	13.2612	13.1909	9.0070	45.3765	40.9919	87.9075	87.4805	91.3209	94.2232	97.0795	95.7544	95.75		
60	SAIFI (long int/cust)	0.1490333	0.528567	0.521974	0.756219	0.758634	0.795769	0.703171	0.714213	0.708156	0.706252	0.71143	0.722201	0.7262	0.3314	0.3369	0.0976	1.1360	1.0947	1.5770	1.5735	2.0345	2.0899	2.2715	2.2540	2.25		
61	SAIFI (short int/cust)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00		

* Calculates customer minutes for each outage, then adds.
 ASAI = avg availability [(7-35)*100/7]; CAIDI = avg interruption duration for interrupted customers (35/33); SAIDI = avg interruption duration per customer served (35/5);
 SAIFI(long) = avg # times a customer is interrupted >1 min (33/5); SAIFI(short) = avg # times a customer is interrupted < 1 min (34/5)