

Continuous optimization program results

Buildings completed implementation phase

RESULTS TO JUNE 2020			Before continuous optimization						Results after implementation				
Building type	Sample size	Size	Annual utility cost			Annual energy consumption			Implement. cost	Energy savings			Simple payback
			Electricity	Fuel	Total	Electricity	Fuel	Total		Electricity	Fuel	Total	
		(ft ²)	(\$/ft ² .yr)	(\$/ft ² .yr)	(\$/ft ² .yr)	(kWh/ft ² .yr)	(MJ/ft ² .yr)	(eKWh/ft ² .yr)	(\$/ft ²)	(% kWh)	(% GJ)	(%\$)	Years
		Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average
Large school	112	108,310	\$0.63	\$0.46	\$1.08	7.3	41.5	18.8	\$0.19	6.7%	11.6%	9.9%	2.2
Shopping mall	3	375,333	\$1.24	\$0.15	\$1.39	22.7	75.1	43.6	\$0.08	3.2%	1.5%	2.4%	1.4
Medium office	39	74,190	\$1.57	\$0.34	\$1.92	21.5	27.8	29.2	\$0.31	6.9%	12.2%	9.9%	2.2
Univ. / College	133	124,741	\$1.02	\$0.57	\$1.60	17.1	58.5	33.3	\$0.34	8.5%	16.7%	13.6%	2.1
Large hotel	7	338,025	\$1.25	\$0.72	\$1.98	20.0	38.7	30.7	\$0.21	4.5%	10.2%	8.3%	1.4
Large office	68	232,281	\$1.50	\$0.50	\$2.00	23.6	41.7	35.2	\$0.27	4.5%	13.3%	7.1%	2.2
Recreation	22	115,914	\$1.88	\$1.31	\$3.19	25.2	117.4	57.9	\$0.50	6.1%	10.3%	8.9%	2.5
Hospital	68	218,149	\$1.32	\$1.29	\$2.61	19.4	117.4	52.0	\$0.26	4.1%	9.1%	6.7%	1.9
Restaurant	3	34,962	\$3.22	\$0.79	\$4.00	43.6	54.8	58.9	\$0.28	6.7%	3.8%	5.2%	1.9
Extended care	15	71,594	\$1.02	\$1.18	\$2.21	16.1	107.5	45.9	\$0.43	5.2%	11.7%	10.0%	2.6
Large non-food retail	1	113,975	\$1.76	\$0.17	\$1.94	27.9	16.4	32.5	\$0.13	6.0%	4.5%	8.5%	1.8
Museum	1	311,803	\$1.04	\$ -	\$1.04	19.1	-	19.1	\$0.32	8.9%	n/a	9.7%	2.2
Food retail (e.g. supermarkets, grocery stores)	21	133,211	\$2.55	\$0.42	\$2.97	39.5	44.3	51.8	\$0.02	5.6%	3.1%	7.5%	0.2
Overall	493	153,360	\$1.27	\$0.65	\$1.92	19.4	60.8	36.3	\$0.24	4.7%	9.6%	7.3%	1.7