

# Continuous optimization program results

RESULTS TO MARCH 2024			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 <sup>2</sup> .yr)	(\$/ft <sup>2</sup> .yr)	(\$/ft <sup>2</sup> .yr)	(kWh/ft <sup>2</sup> .yr)	(MJ/ft <sup>2</sup> .yr)	(eKWh/ft <sup>2</sup> .yr)		(% kWh)	(% GJ)	(% \$)	
Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	
Extended care	16	80,814	\$1.28	\$0.97	\$2.24	14.2	107.5	44.0	\$0.35	4.3%	9.8%	6.7%	2.4
Food retail (e.g. supermarkets, grocery stores)	19	140,023	\$3.74	\$0.40	\$4.13	41.5	44.3	53.8	\$0.02	4.7%	2.7%	4.5%	0.1
Hospital	78	219,091	\$1.92	\$1.06	\$2.98	21.4	117.4	54.0	\$0.23	3.8%	6.6%	4.8%	1.6
Large office	86	238,572	\$2.12	\$0.38	\$2.49	23.5	41.7	35.1	\$0.21	3.4%	9.1%	4.2%	1.9
Medium office	49	67,199	\$1.88	\$0.25	\$2.13	20.9	27.8	28.6	\$0.27	6.3%	12.9%	7.0%	1.8
Multi-unit residential building (MURB)	6	77,834	\$0.62	\$0.10	\$0.72	6.9	10.6	9.9	\$0.06	4.9%	23.6%	7.4%	1.2
Nursing home	10	134,730	\$0.96	\$0.97	\$1.92	10.6	107.5	40.5	\$0.23	1.8%	7.8%	4.8%	2.5
Recreation	24	124,244	\$2.05	\$1.06	\$3.10	22.7	117.4	55.3	\$0.32	5.0%	7.2%	5.7%	1.8
Shopping mall	15	417,618	\$1.27	\$0.68	\$1.95	14.1	75.1	35.0	\$0.07	2.3%	1.4%	2.0%	1.9
University/college	166	123,757	\$1.50	\$0.53	\$2.03	16.7	58.5	32.9	\$0.28	6.3%	12.5%	7.9%	1.8
Other	19	141,312	\$1.90	\$0.55	\$2.45	21.1	60.8	38.0	\$0.20	4.2%	8.5%	5.1%	1.6
Hotel	7	338,025	\$1.85	\$0.35	\$2.20	20.5	38.7	31.3	\$0.23	4.1%	11.1%	5.2%	2.0
School	170	101,729	\$0.62	\$0.37	\$1.00	6.9	41.5	18.5	\$0.17	7.8%	12.4%	9.5%	1.8
<b>Grand total</b>	<b>665</b>	<b>148,574</b>	<b>\$1.63</b>	<b>\$0.55</b>	<b>\$2.18</b>	<b>18.1</b>	<b>60.8</b>	<b>35.0</b>	<b>\$0.21</b>	<b>4.6%</b>	<b>9.1%</b>	<b>5.7%</b>	<b>1.7</b>