

FIRST UNITED METHODIST CHURCH – DOWNTOWN ANN ARBOR
120 S. STATE STREET &
GREEN WOOD – NORTH CAMPUS ANN ARBOR
1001 GREEN RD

2008 ENERGY AUDIT DOWNTOWN

- HVAC CONTROLS
- LIGHTING UPGRADES
- OCCUPANCY SENSORS
- ADDITIONAL INSULATION

2017 JOINED THE ANN ARBOR 2030 DISTRICT

- DTE ENERGY STAR PORTFOLIO MANAGER
- 2019 GRANT FOR AN ENERGY TREASURE HUNT



2030 DISTRICT HOUSES OF WORSHIP **GREEN TEAM**



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2020 ENERGY AUDIT GREENWOOD

- A GRANT PROGRAM THROUGH THE A2 2030 DISTRICT

ASHRAE LEVEL II ENERGY AUDIT REPORT

Green Wood Church, 1001 Green Rd, Ann Arbor, MI 48105





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Benchmarking - page 2

A discussion of utility bill information and analysis.

Energy Matrix - Page 3

A table displaying characteristics of the building shell components and energy using equipment with comments and recommendations for improvements or replacement.

ECM Summary Table - Pages 4, 5, 6

A table displaying the energy and dollar savings for a set of Energy Conservation Measures (ECMs) recommended for the facility. ECM cost and payback are provided; also incentives available from DTE Energy.

Lighting Analysis - Page 7

A breakdown of lighting retrofit recommendations.

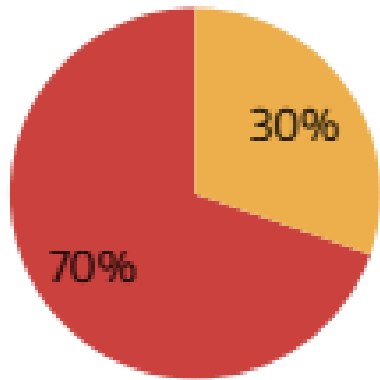
Gas Consumption Analysis - Pages 8

Electric Consumption Analysis - Pages 9



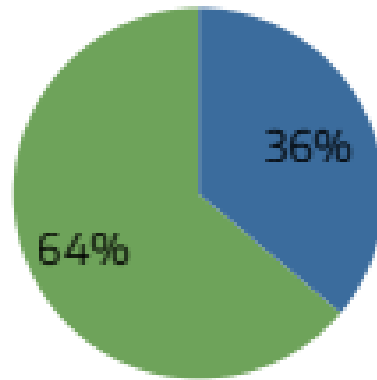
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Lighting Fixture
Retrofit



● Unchanged ● Retrofit

Retrofit kWh
Savings



● New ● Saved

LECM#	LAMP/FIXT.	kWh	SAVED	\$ SAVED	\$ COST	REBATE	ROI
1	LED BR30 10.5W		303	\$40	\$63	\$0	1.6
2	LED A19 9W		100	\$13	\$35	\$0	2.7
3	LED FP14 FIXT 38W		1,256	\$165	\$3,560	\$197	20.4
4	LED SW24 FIXT 40W		191	\$25	\$276	\$35	9.6
5	LED SW12 FIXT18W		18.8	\$2.47	\$54.00	\$2.03	21.0
6	LED P36 9W		643	\$85	\$900	\$0	10.6
7	LED P38 15W		988	\$130	\$372	\$0	2.9
TOTAL			3,499	\$460	\$5,260	\$234	10.9



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QUESTIONS/COMMENTS?

THANK YOU!



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