



MERKERT-TRACY HALL



AT A GLANCE

MERKERT-TRACY HALL

Merkert-Tracy Hall

Newly renovated to house the following departments:

- Human Resources
- Advancement, Alumni Affairs, Development, Media Relations
- Finance, Controller, Operations Management, Purchasing, and Planning & Institutional Research.

There are offices for 67 people.

The building also includes conference rooms, a call center, a classroom and an observatory.

Sustainable Features

In the process of turning Merkert-Tracy Science Center into Merkert-Tracy Hall, the College donated furniture to Community Care Services, a non-profit corporation that provides social care services. The majority of the furniture is now used in the new Therapeutic Foster Care Clinic in Hartford, Connecticut.

Lab cabinetry and other materials were given to Merrimac College, Bristol Community College, and Anna Maria College.

All steel parts, pieces, and components were separated and 6,127 pounds of steel was transported to a steel recycling facility in Brockton.

We transported just 17,000 pounds of remaining product to the Trojan Recycling Facility, where they sifted through and sorted all refuse for proper recycling.

We updated the finishes in the building. Many of the finishes used in the upgrade are environmentally friendly which used recycled finishes and low VOC products.

Plumbing:

- Provided low flow sensor faucets.
- Fixtures with sensor flush valves.
- Included bottle fills at each of the water fountains.

Electrical:

- We provided automatic lighting controls.
- Provided energy efficient lighting fixtures.

HVAC:

- High efficiency hot water heating system.
- New direct digital HVAC control system.
- New high efficiency motors were installed on existing air handling units which are now controlled by new variable frequency drives.
- Existing air handling unit was converted to a variable volume unit.
- New pumps with high efficiency motors.

NORTHERN ENERGY SERVICES

NGRID
energy initiative

CUSTOMER NAME: **STONEHILL COLLEGE - COLLEGE CENTER**

Lighting Systems Recommendations Summary

<u>EXISTING SYSTEM</u>		<u>PROPOSED SYSTEM</u>	
CONNECTED LOAD (WATTS):	45713	CONNECTED LOAD (WATTS):	26050
ANNUAL KWH USAGE:	147459	ANNUAL KWH USAGE:	66435
ANNUAL LIGHTING COST:	\$20,644.27	ANNUAL LIGHTING COST:	\$9,300.84
ENERGY COST (\$/KWH):	\$0.140		
<u>ESTIMATED (KWH) REDUCTION PER YEAR:</u>		<u>81,025</u>	
<u>ANNUAL COST REDUCTION:</u>		<u>54.95%</u>	
<u>TOTAL ESTIMATED SAVINGS/YR*:</u>		<u>\$11,343</u>	
<u>TOTAL PROJECT COST**:</u>		<u>\$44,187.65</u>	
<u>UTILITY'S INCENTIVE:</u>		<u>\$10,425.00</u>	
<u>COST AFTER INCENTIVE:</u>		<u>\$33,762.65</u>	
<u>ESTIMATED PAYBACK (YR) :</u>		<u>2.98</u>	
<u>ESTIMATED CARBON FOOTPRINT REDUCTION :</u>		<u>112,786.16</u>	<u>CO2 LBS/YR</u>

* ESTIMATED SAVINGS PER YEAR ARE BASED ON THE CURRENT HOURS OF OPERATION AND CURRENT RATE (\$/KWH).

** TOTAL PROJECT COST INCLUDES LABOR AND MATERIALS.

*** ASSUMES NATIONAL AVERAGE OF 1392 LBS OF CO2 REDUCTION PER MWH OF ELECTRICITY GENERATED

NORTHERN ENERGY SERVICES

nationalgrid
Energy Initiative Program

CUSTOMER NAME: *STONEHILL COLLEGE (OHARA HALL)*

Lighting Systems Recommendations Summary

<u>EXISTING SYSTEM</u>		<u>PROPOSED SYSTEM</u>	
CONNECTED LOAD (WATTS):	24950	CONNECTED LOAD (WATTS):	15450
ANNUAL KWH USAGE:	124369	ANNUAL KWH USAGE:	77431
ANNUAL LIGHTING COST:	\$17,411.67	ANNUAL LIGHTING COST:	\$10,840.30
ENERGY COST (\$/KWH):	\$0.140		
<u>ESTIMATED (KWH) REDUCTION PER YEAR:</u>		<u>46,938</u>	
<u>ANNUAL COST REDUCTION:</u>		<u>37.74%</u>	
<u>TOTAL ESTIMATED SAVINGS/YR*:</u>		<u>\$6,571</u>	
<u>TOTAL PROJECT COST**:</u>		<u>\$26,132.10</u>	
<u>UTILITY'S INCENTIVE:</u>		<u>\$6,990.00</u>	
<u>COST AFTER INCENTIVE:</u>		<u>\$19,142.10</u>	
<u>ESTIMATED PAYBACK (YR) :</u>		<u>2.91</u>	
<u>ESTIMATED CARBON FOOTPRINT REDUCTION :</u>		<u>65,338.11</u>	<u>CO2 LBS/YR</u>

** TOTAL PROJECT COST INCLUDES LABOR AND MATERIALS.

* ESTIMATED SAVINGS PER YEAR ARE BASED ON THE CURRENT HOURS OF OPERATION AND CURRENT RATE (\$/KWH).

NORTHERN ENERGY SERVICES

NGRID
energy initiative

CUSTOMER NAME: **STONEHILL COLLEGE VILLA THERESA**

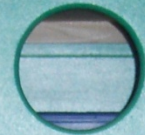
Lighting Systems Recommendations Summary

<u>EXISTING SYSTEM</u>		<u>PROPOSED SYSTEM</u>	
CONNECTED LOAD (WATTS):	14640	CONNECTED LOAD (WATTS):	8813
ANNUAL KWH USAGE:	57016	ANNUAL KWH USAGE:	31350
ANNUAL LIGHTING COST:	\$7,982.24	ANNUAL LIGHTING COST:	\$4,388.94
ENERGY COST (\$/KWH):	\$0.140		
<u>ESTIMATED (KWH) REDUCTION PER YEAR:</u>		<u>25,666</u>	
<u>ANNUAL COST REDUCTION:</u>		<u>45.02%</u>	
<u>TOTAL ESTIMATED SAVINGS/YR*:</u>		<u>\$3,593</u>	
<u>TOTAL PROJECT COST**:</u>		<u>\$16,961.80</u>	
<u>UTILITY'S INCENTIVE:</u>		<u>\$4,640.00</u>	
<u>COST AFTER INCENTIVE:</u>		<u>\$12,321.80</u>	
<u>ESTIMATED PAYBACK (YR) :</u>		<u>3.43</u>	
<u>ESTIMATED CARBON FOOTPRINT REDUCTION :</u>		<u>35,727.63</u>	<u>CO2 LBS/YR</u>

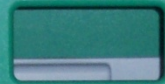
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BATTERIES



SMALL ELECTRONIC DEVICES



UNBROKEN(CFL)LIGHT BULBS



CD's & INK CARTRIDGES