



in Partnership with

Holy Spirit Preparatory School

October 26, 2009

Holy Spirit Preparatory School
4449 Northside Drive
Atlanta, GA 30327

Executive Summary

Efficiently operating facilities help to ensure the longevity of business as well as maintain a comfortable work environment. We are committed to our customers by assisting them in exploring and evaluating ways for them to operate their facilities at maximum efficiency. Georgia Power Company is providing the Holy Spirit Preparatory School this report to help you identify areas in your school that can be opportunities to save on energy costs. We did a walk thru of the Upper School located at 4449 Northside Drive, Atlanta, GA 30327 and the Lower/Intermediate School Located at 4820 Long Island Drive, Atlanta, GA 30342.

The Holy Spirit Preparatory School Upper School and Lower/Intermediate School has been well maintained and continues to update facility technologies. We support and encourage these efforts and advise that you continue to financially support them.

The two main energy users for your schools are lighting and space conditioning. This report will focus on those two aspects and make recommendations with respect to those systems.

Purpose & Scope

The purpose of our visit was to look at ways to improve the overall energy efficiency of the school, focusing on lighting and HVAC.

Basis for Solution

Method

Georgia Power began by interviewing key personnel to get a basic understanding of the schools': operating hours, HVAC systems, controls systems, and lighting systems. Next, we discussed in detail how the school was controlled. As a result of the interview we identified those opportunities that had the greatest opportunity for energy savings and required little capital.

Rate Summary

The Holy Spirit Preparatory Upper School is currently on Georgia Power's School Load Management rate tariffs. The average cost for the last 12 months was 7.23 cents per kWh.

ARCHBISHOP DONNELLAN SCH

ARCHBISHOP DONNELLAN SCH
4449 NORTHSIDE DR / ATLANTA, GA, 30327
Account Contact: Debra Hayes
Customer Primary Contact:

Electrical Use Summary

Account, Billing Information
View
Display: Basic Information
Time Period: 12 Months
Georgia Power Company
Account: 2679136024
Rate: SLM

Month	Meter Read	Billing Days	Total kWh	Peak kW Demand	Electric Service Total	Average Cost
November '08	11/13/08	28	69,920	162	\$5,152	7.37¢
December '08	12/15/08	32	72,880	159	\$5,287	7.25¢
January '09	01/15/09	31	65,040	153	\$4,939	7.59¢
February '09	02/17/09	33	71,600	83	\$5,249	7.33¢
March '09	03/17/09	28	61,040	130	\$4,766	7.81¢
April '09	04/20/09	34	73,920	179	\$5,355	7.24¢
May '09	05/17/09	27	71,200	186	\$5,231	7.35¢
June '09	06/16/09	30	79,280	169	\$5,565	7.02¢
July '09	07/19/09	33	85,440	164	\$5,789	6.78¢
August '09	08/18/09	30	81,280	187	\$6,006	7.39¢
September '09	09/16/09	29	87,200	180	\$6,121	7.02¢
October '09	10/15/09	29	83,680	176	\$5,792	6.92¢
Total		364	902,480		\$65,252	
Peak		34	87,200	187	\$6,121	7.81¢
Average		30	75,206	160	\$5,437	7.23¢

The Holy Spirit Preparatory Lower/Intermediate School is currently on Georgia Power's School Service rate tariffs. The average cost for the last 12 months was 9.78 cents per kWh

ARCHBISHOP DONNELLAN SCH

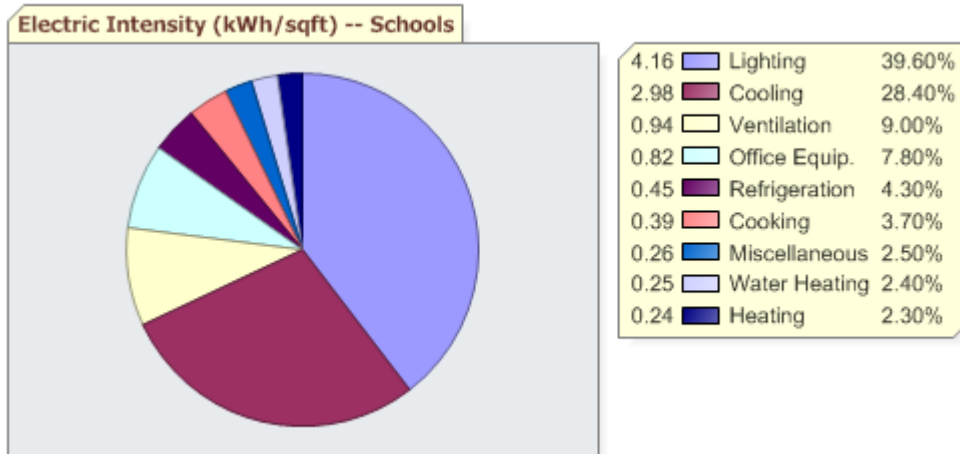
ARCHBISHOP DONNELLAN SCH
 4820 LONG ISLAND DR NE / ATLANTA, GA, 30342
 Account Contact: Debra Hayes
 Customer Primary Contact:

Electrical Use Summary

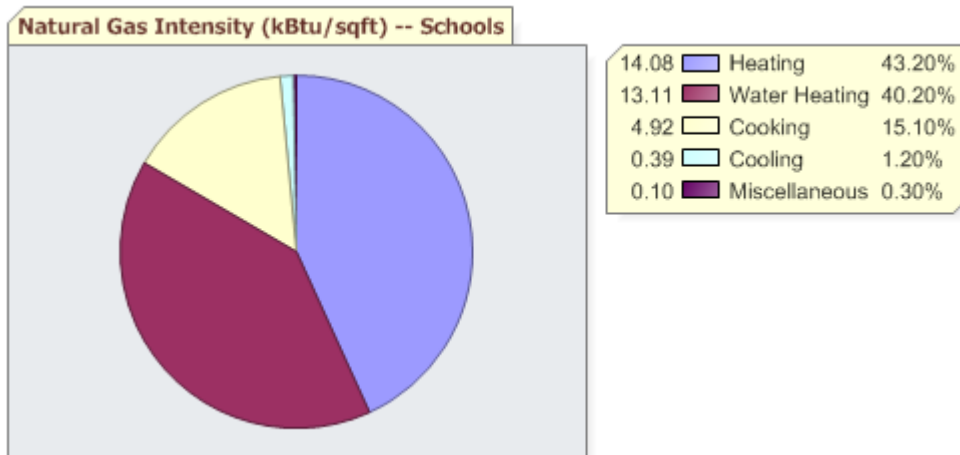
Account, Billing Information
 View
 Display: Basic Information
 Time Period: 12 Months
 Georgia Power Company
 Account: 7468906002
 Rate: SCH

Month	Meter Read	Billing Days	Total kWh	Peak kW Demand	Electric Service Total	Average Cost
November '08	11/14/08	29	17,520	37	\$1,787	10.20¢
December '08	12/16/08	32	23,700	43	\$2,082	8.78¢
January '09	01/15/09	30	20,400	45	\$1,932	9.47¢
February '09	02/16/09	32	24,660	56	\$2,133	8.65¢
March '09	03/17/09	29	18,600	38	\$1,847	9.93¢
April '09	04/16/09	30	16,260	42	\$1,732	10.65¢
May '09	05/17/09	31	17,280	47	\$1,783	10.32¢
June '09	06/16/09	30	16,620	55	\$1,764	10.61¢
July '09	07/16/09	30	17,340	49	\$1,713	9.88¢
August '09	08/17/09	32	18,900	50	\$1,807	9.56¢
September '09	09/17/09	31	20,580	60	\$2,028	9.85¢
October '09	10/16/09	29	16,200	46	\$1,688	10.42¢
Total		365	228,060		\$22,296	
Peak		32	24,660	60	\$2,133	10.65¢
Average		30	19,005	47	\$1,858	9.78¢

Typical School Energy Usage



Total Electric Intensity (kWh/sqft, annual basis): 10.50
 Average Electric Consumption per Establishment (kWh): 483,000
 Average Enclosed Floorspace per Establishment (sqft): 46,000



Total Gas Intensity (kBtu/sqft, annual basis): 32.60
 Average Gas Consumption per Establishment (kBtu): 1,499,600
 Average Enclosed Floorspace per Establishment (sqft): 46,000

Benchmarking provided by Tech Resources, Inc.

Lower/Intermediate School

Assumptions:

45,900 square ft

228,060 kWh per year (based on billing history)

Annual Energy Benchmark			
	Regional Average	Holy Spirit Usage	% Difference
Annual Electric Usage (kWh/sq. ft.)	10.50	4.96	52.8

Upper School

Assumption:

58,000 square foot

902,480 kWh per year (based on billing history)

Annual Energy Benchmark			
	Regional Average	Holy Spirit Usage	% Difference
Annual Electric Usage (kWh/sq. ft.)	10.50	15.56	48.2

● Results of Study

The results of the on-site inspection will be organized by school building. First, the results of the lighting audit will be outlined, followed by HVAC and finally any miscellaneous results that were noted.

● Upper School

Facility Background

The Upper School is 5 years old. The lighting is the energy efficient T-8 fluorescents and compact fluorescents. The HVAC systems consist of energy efficient Trane water source heat pumps and 1 cooling tower. The HVAC system is controlled by limited access thermostats. The school is using temperature set back and set up.

Lighting

The Holy Spirit Preparatory Upper School has done an exemplary job of reducing energy consumption. The few opportunities left have to do with remaining lighting retrofit opportunities in the gymnasium. *You could save \$2,074 a year in electric costs by replacing the 400-watt high pressure sodium fixtures with six lamp 4 foot T-8 fluorescent fixtures (see lighting table in the appendix section).* The fluorescent fixtures will also give you better lighting uniformity than the metal halide fixtures. Fluorescent fixtures also

come on to full brightness the instant they are switched on and full brightness following power interruptions.

If you install new lighting that includes automated controls, motion sensors or bi-level control you may qualify for a \$0.60 per square foot tax deduction. You could receive a Federal deduction of \$3,600 and a State credit of \$1,680 (see appendix section for tax incentive information).

Replacing these lights will reduce carbon dioxide emissions by 43,880 pounds. That is the same environmental impact of taking four cars off the road, or planting 510 trees.

We estimate that you can have these fixtures retrofitted at a cost of approximately \$240.00 each. This would give you an estimated installed cost of \$4,800 and a payback of 2.3 years without tax incentives.

The savings in the table below is an example based on 20 fixtures that are on for 6,000 hours per year and an average cost of 7.23 cents per kilowatt hour (based on your 12 month billing history). No potential tax savings, maintenance savings, or HVAC savings are included so you could realize greater savings than shown. We based our lighting costs on generic fixtures. You could use any manufacturer's equipment; we suggest that you contact a lighting vendor to help in your selection. We have included a list of lighting resources, including vendors in the appendix section.

Lighting Retrofit Summary Table									
Space Name	kW Reduction	kWh Reduction	Cost Savings	Installed Cost	Federal Deduction	State Credit	Payback w/o Incent.	Payback w/Fed. Incent.	Payback w/Fed. & State Incent.
High School Gymnas	4.8	28,680	\$2,074	\$4,800	\$3,600	\$1,680	2.31	1.66	0.84
0	0.0	0	\$0	\$0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Totals	4.8	28,680	\$2,074	\$4,800	#DIV/0!	#DIV/0!			

Carbon Impact	
Lbs of CO2 saved	43,880
Gallons of gas saved	2,259
# Trees Planted	510
Passenger cars kept of road/yr.	3.6

HVAC

Our interviews revealed that the Holy Spirit Preparatory Upper School has aggressively pursued energy saving opportunities. The HVAC system consists of water-source heat pumps, cooling tower. The system is less than 15 years old in good condition and well maintained.

HVAC Controls

Thermostats

A thermostat is an energy management system. Everyone that has access to one of your thermostats is an energy manager. The more energy managers you have adjusting the thermostat the less efficient the system will be. *We recommend that you use programmable thermostats and set the temperature back to 55 °F during the unoccupied periods of the heating season. During the summer cooling season we recommend that you set up the temperature to 80 °F during the unoccupied periods.*



Lower/Intermediate School

Facility Background

The Lower School building was built in 1937. Most of the lighting is the T-12 fluorescents with magnetic ballast. The HVAC systems consist of energy efficient water source heat pumps for the lower building and packaged roof top units with gas heat for the intermediate building. The HVAC systems are controlled by limited access thermostats. The school is using temperature set back and set up.

Lighting

Lighting is an area where you have an opportunity to save on your electric costs. *You could save \$15,251 a year in electric costs with an average payback of 2.2 years without incentives* by replacing the existing T-12 fluorescent magnetic ballast fixtures with T-8 fluorescent electronic ballast fixtures and by replacing the 400-watt high pressure sodium fixtures with 4 foot T-8 fluorescent fixtures (see lighting table in appendix section).

Most of the lighting in the Lower School is the T-12 fluorescent with magnetic ballast fixtures and a few incandescent fixtures. We recommend that any magnetic ballast with T-12 lamps be replaced with *electronic ballast with T-8 lamps*. Also use *compact fluorescent lamps* instead of incandescent lamps. And finally, install exit signs with *light emitting diode (LED)*. The main benefit of retrofitting the exit signs is that the LED replacements have an average life of 25 years and are therefore virtually maintenance free.

If you install new lighting that includes automated controls, motion sensors or bi-level control you may qualify for a \$0.60 per square foot tax deduction. You could receive a Federal deduction of \$11,601 for the lower building and a Federal deduction of \$7,252 and a state credit of \$2,538 for the Intermediate building (see table below).

Replacing these lights will reduce carbon dioxide emissions by 238,588 pounds. That is the same environmental impact of taking twenty cars off the road, or planting 2,775 trees.

The savings in the table below is an example based on fixtures that are on for 6,000 hours per year and an average cost of 9.78 cents per kilowatt hour (based on your 12 month billing history). No potential tax savings, maintenance savings, or HVAC savings are included so you could realize greater savings than shown. We based our lighting costs on generic fixtures. You could use any manufacturer's equipment; we suggest that you contact a lighting vendor to help in your selection. We have included a list of lighting resources, including vendors in the appendix section.

Lighting Retrofit Summary Table									
Space Name	kW Reduction	kWh Reduction	Cost Savings	Installed Cost	Federal Deduction	State Credit	Payback w/o Incent.	Payback w/Fed. Incent.	Payback w/Fed. & State Incent.
Lower Building	19.8	118,620	\$11,601	\$27,383	\$11,369	\$0	2.36	1.99	1.99
Intermediate Building	6.2	37,320	\$3,650	\$7,252	\$7,252	\$2,538	1.99	1.23	0.54
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0.0	0	\$0	\$0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Totals	26.0	155,940	\$15,251	\$34,635	#DIV/0!	#DIV/0!			

Carbon Impact	
Lbs of CO2 saved	238,588
Gallons of gas saved	12,284
# Trees Planted	2,775
Passenger cars kept of road/yr.	19.8

HVAC

The package roof top units have been well maintained. We only recommend that you consider changing these as they *approach 15 to 20 plus years. However, typically it is difficult to justify an economical payback on energy savings alone when replacing HVAC units. A reasonable payback usually requires significant maintenance costs plus energy savings.* The sample calculation below demonstrates the savings in energy due to the increased efficiency of a 10 ton unit.

Assumptions

- The annual cooling season has 2,000 equivalent full-load hours for the Metro Atlanta area.
- Average SEER ratings for old units is 8.45, new units is 13 (based on the Air-Conditioning and Refrigeration Institute).
- Average cost kWh = 8.70 cents (Based on your bill)

10 Ton Units

$$(12,000 \times 10 \text{ tons}) / 8.45 \text{ SEER} = 14,201.18 \text{ watts}$$

$$11,429 \text{ watts} / 1000 \text{ watts/kW} = 14.2 \text{ kW}$$

$$14.2 \text{ kW} / 10 \text{ tons} = 1.42 \text{ kW/ton old unit}$$

(12,000 x 10 tons)/13 SEER = 9,231 watts
9,231 watts / 1000 watts/kW = 9.23 kW
9.23 kW / 10 tons = .92 kW/ton **new unit**

Energy Cost (includes demand since avg. used)
10 tons x 1.42 kW x 2000 FLH x \$0.0978 = \$2,777.52
10 tons x .92 kW x 2000 FLF x \$0.0978 = \$1,799.52

Annual Savings: \$ 978 (see HVAC replacement chart in the appendix section for energy savings on different size units)

If you decide you are interested in replacing these units due to high maintenance cost, please contact Georgia Power and we will help you re-evaluate your HVAC requirements. It is very possible that your conditioning needs may no longer require the same tonnage.

HVAC Controls

Thermostats

A thermostat is an energy management system. Everyone that has access to one of your thermostats is an energy manager. The more energy managers you have adjusting the thermostat the less efficient the system will be. *We recommend that you use programmable thermostats and set the temperature back to 55 °F during the unoccupied periods of the heating season. During the summer cooling season we recommend that you set up the temperature to 85 °F during the unoccupied periods.*

Tax Incentive Business Tax Deduction for Lighting

You can qualify for an accelerated federal tax deduction by performing a lighting retrofit that meets the requirements of Code section 179D of the Energy Policy Act of 2005.

To qualify for the tax deduction several criteria must be met, including the following:

- The new lighting levels must meet IESNA guidelines
- The energy consumption of the new system must be at least 25 percent less than the prescribed lighting levels in ASHRAE 90.1, 2001:
<http://xp20.ashrae.org/frame.asp?standards/std90.html>
- The lighting retrofit must be completed by December 31, 2013.
- The space must have two lighting levels other than on/off control. Dimming and switching meet this requirement.

Certification of the property by a qualified engineer or contractor satisfying the requirements of IRS Notice 2006-52 and Internal Revenue Code section 179D.

Additional Information:

IRS Notice 2006-52

<http://www.irs.gov/pub/irs-drop/n-06-52.pdf>

IRS Bulletin (page 32)

<http://www.irs.gov/pub/irs-irbs/irb06-26.pdf>

NEMA Guidance on Energy Policy Act

http://www.gelighting.com/na/business_lighting/education_resources/epact/download/NEMA_Guidance_on_EPACT.pdf

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Building Envelope

You also have old and new facilities. It appears that these are being updated as needed. We encourage that you continue to make these upgrades. Insulation is one of the most important components of a facility that can help to affordably keep occupants comfortable year-round. A carefully considered insulation strategy that takes into account the facilities' characteristics and the climate it's in is essential for controlling heat gain and loss through the building enclosure, which includes the roof, walls, and foundation. It does this by slowing the rate of heat flow through the building enclosure -- which has a significant influence on how comfortable the occupants are in your facility.

Single-pane windows have very little insulating value with (approximately r-1). It provides only a thin barrier to the outside and can account for considerable heat loss and gain. However, double-pane windows improve a window's energy efficiency. This is achieved due to the number of glass panes in the unit. The multiple layers of glass increase the window's ability to resist heat flow.

Georgia Power has enjoyed our relationship with the Holy Spirit Preparatory School. We are grateful for the opportunity to work with you in regard to your existing school. We hope that the information in this report will help you operate your school efficiently.

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Intermediate School Building Lighting Table

Original Fixture	Watts	Qty	Hours/ Yr	New Fixture	Watts	Qty	Hours/ Yr	kW removed	kWh Saved	Energy Savings	Retrofit Cost	*Payback
4' F 40 T12 CW Mag 2 lamp troffer	96	27	6000	4' F 32 T8 CW Electronic 2 lamp troffer	62	27	6000	0.918	5,508	\$538.68	\$1,452	2.7
4' F 40 T12 CW EE Mag 3 lamp troffer	134	31	6000	4' F 32 T8 CW Electronic 3 lamp troffer	90	31	6000	1.364	8,184	\$800.40	\$1,772	2.2
2' U tube T12 Mag 2 lamp troffer	96	3	6000	2' U tube T8 Electronic 2 lamp troffer	58	3	6000	0.114	684	\$66.90	\$188	2.8
Metal Halide 400	460	16	6000	4' F 32W, T8, 6 lamps (400w MH equiv.)	221	16	6000	3.824	22,944	\$2,243.92	\$3,840	1.7
None	0	0	0	None	0	0	0	0	0	\$0.00	\$0	0.0
None	0	0	0	None	0	0	0	0	0	\$0.00	\$0	0.0
None	0	0	0	None	0	0	0	0	0	\$0.00	\$0	0.0
None	0	0	0	None	0	0	0	0	0	\$0.00	\$0	0.0
None	0	0	0	None	0	0	0	0	0	\$0.00	\$0	0.0
None	0	0	0	None	0	0	0	0	0	\$0.00	\$0	0.0
None	0	0	0	None	0	0	0	0	0	\$0.00	\$0	0.0
None	0	0	0	None	0	0	0	0	0	\$0.00	\$0	0.0
None	0	0	0	None	0	0	0	0	0	\$0.00	\$0	0.0
None	0	0	0	None	0	0	0	0	0	\$0.00	\$0	0.0
None	0	0	0	None	0	0	0	0	0	\$0.00	\$0	0.0
								6.22	37,320	\$3,649.90	\$7,252	2.0
* Must have bi-level switching and meet minimum IES lighting levels to qualify, actual deduction is lesser of potential tax credit or cost of job. **State credit must be approved before lighting ret												
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Lighting Cost at \$0.10 per kWh

Fixture Description	Watts *	Cost per Hour	Cost per 24 Hours	Cost per 168 Hrs	Cost per 720 Hrs	Cost per 8,760 Hrs
250 W MH	295	\$0.0295	\$0.71	\$4.96	\$21.24	\$258.42
400 W MH	455	\$0.0455	\$1.09	\$7.64	\$32.76	\$398.58
1000 W MH	1085	\$0.1085	\$2.60	\$18.23	\$78.12	\$950.46
150 W HPS	175	\$0.0175	\$0.42	\$2.94	\$12.60	\$153.30
250 W HPS	310	\$0.0310	\$0.74	\$5.21	\$22.32	\$271.56
400 W HPS	465	\$0.0465	\$1.12	\$7.81	\$33.48	\$407.34
2L 40 W T12	94	\$0.0094	\$0.23	\$1.58	\$6.77	\$82.34
3L 40 W T12	151	\$0.0151	\$0.36	\$2.54	\$10.87	\$132.28
4L 40 W T12	188	\$0.0188	\$0.45	\$3.16	\$13.54	\$164.69
2L 34 W T12	80	\$0.0080	\$0.19	\$1.34	\$5.76	\$70.08
3L 34 W T12	130	\$0.0130	\$0.31	\$2.18	\$9.36	\$113.88
4L 34 W T12	160	\$0.0160	\$0.38	\$2.69	\$11.52	\$140.16
2L 8' T12 HO	222	\$0.0222	\$0.53	\$3.73	\$15.98	\$194.47
3L 8' T12 HO	347	\$0.0347	\$0.83	\$5.83	\$24.98	\$303.97
4L 8' T12 HO	444	\$0.0444	\$1.07	\$7.46	\$31.97	\$388.94
2L 32 W T8	58	\$0.0058	\$0.14	\$0.97	\$4.18	\$50.81
3L 32 W T8	82	\$0.0082	\$0.20	\$1.38	\$5.90	\$71.83
4L 32 W T8	109	\$0.0109	\$0.26	\$1.83	\$7.85	\$95.48
1L T8 Hi Bay	36	\$0.0036	\$0.09	\$0.60	\$2.59	\$31.54
2L T8 Hi Bay	72	\$0.0072	\$0.17	\$1.21	\$5.18	\$63.07
3L T8 Hi Bay	108	\$0.0108	\$0.26	\$1.81	\$7.78	\$94.61
4L T8 Hi Bay	144	\$0.0144	\$0.35	\$2.42	\$10.37	\$126.14
6L T8 Hi Bay	218	\$0.0218	\$0.52	\$3.66	\$15.70	\$190.97
8L T8 Hi Bay	274	\$0.0274	\$0.66	\$4.60	\$19.73	\$240.02
1L T5 Hi Bay	62	\$0.0062	\$0.15	\$1.04	\$4.46	\$54.31
2L T5 Hi Bay	117	\$0.0117	\$0.28	\$1.97	\$8.42	\$102.49
3L T5 Hi Bay	182	\$0.0182	\$0.44	\$3.06	\$13.10	\$159.43
4L T5 Hi Bay	229	\$0.0229	\$0.55	\$3.85	\$16.49	\$200.60
6L T5 Hi Bay	346	\$0.0346	\$0.83	\$5.81	\$24.91	\$303.10
8L T5 Hi Bay	458	\$0.0458	\$1.10	\$7.69	\$32.98	\$401.21

Lamps including Compact Fluorescents on line

<http://www.bulbs.com>

<http://www.1000bulbs.com>

<http://www.sylvania.com>

<http://www.maxlite.com>

<http://www.gelighting.com>

<http://mygreenwave.com>

Fixture Manufacturers

Acuity Lighting

Website: www.acuitybrandslighting.com

Acuity: Lithonia Lighting

One Lithonia Way

Conyers, GA 30012

Tricia Foster, LC

Phone (770) 860-22049

Fax (770) 483-2635

Email: tricia.foster@lithonia.com

Acuity: Synergy Lighting Controls

1335 Industrial Blvd.

Conyers, GA 30012

John A. Bagwell

Phone (770) 860 -2970

Fax (770) 987-1002

Email: john.bagwell@acuitybrands.com

Cooper Lighting

1121 Highway 74 South

Peachtree City, GA 30269

Phone (770) 486-4800

Paul Isaacs, Southern Regional Sales Manager

Office (704) 896-3405

Cell (704) 649-2403

Email: paul.isaacs@cooperindustries.com

Westinghouse Lighting Solutions

12401 McNulty Road

Philadelphia, PA 19154-1029

Phone (800) 671-6799

Fax (215) 268-1088

Email: ajoseph@westinghouse-ls.com

Lighting Vendors

AEC Energy Products

Tom James
1345 Capital Circle NW
Lawrenceville, GA 30043
Office 678-725-8088

Addison Parrish Lighting Sales

Todd Tomsik
Sales Manager
4888 South Old Peachtree Road
Norcross, GA 30071
Office 770-458-9911
Cell 678-488-0278
ttomsik@aplsales.com

Amtech Lighting Services

3230 Hopeland Industrial Dr.
Powder Springs, GA 30127
Gage H. Hunt
Phone (770) 439-0486
Fax (770) 739-9312
Email: gage.hunt@abm.com

Energy Lite

Ken Hurd
Sales Manager
Office 704-882-5894
Cell 704-562-6184
khurd@energylite.net

Englewood Electrical Supply

1945 Commerce Drive
Athens, GA 30607
Sam Brown
706-543-3413
800-339-3421
Email: mailto:sbrown@eescodist.com

E. Sam Jones Distributor, Inc.

4898 South Atlanta Road
Smyrna, GA 30080
Phone (404) 351 – 3250, (800) 624 – 9849
Fax (404) 351 – 4140, (800) 282 - 2094
Website: <http://www.esamjones.com/service.html>

Grainger Industrial Supply

Phone (888) 803-7320

Website: www.grainger.com

GreenWave Sustainable Lighting Solutions

1954 Airport Road, Suite 115

Atlanta, GA 30341

Paul M. Williams, President

Phone (678) 387 – 5111

Fax (404) 506-9746

Email: pwilliams@mygreenwave.com

Lighting Associates, Inc.

1775 Breckenridge Parkway

Duluth, GA 30340

Contact: Arthur Burdell

Phone (770) 448 – 9250 Ext 332

Fax (770) 263 - 0189

Email: aburdell.LLA462@lighting.net

Lincoln Associates

Harry Page

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www.lincolnassoc.com

www.westinghouselightingsolutions.com

NES

Reg Cook

President

250 Hembree Park Drive, Suite 114

Roswell, GA 30076

Office (800) 441-8871 x 702

Cell (770) 330 4479

rcook@natlenergy.com

Servidyne

Jim Dore

Vice President, Sales Service Group

1945 The Exchange, Suite 325

Atlanta, GA 30339

Office 770-916-7107

Cell 404-428-2343

jim.dore@servidyne.com

Southpoint Solutions

1345 Capital Circle
 Lawrenceville, GA 30043
 John DeBarry, Sales Manager
 Phone (770) 995-7821
 Email: jd@southpointsolutions.com

HVAC Table

Qty.	Ton.	Year	Average EER	Energy (kW)	New EER	New Energy (kW)	Estimated EFLH, AC (Hour per year)	Estimated Annual Energy Savings (kWh)	Estimated Annual Energy Savings (\$)	Estimated Annual Demand Savings (kW)	Estimated Annual Demand Savings (\$)	Total Savings
1	2	1994	10.55	2.2749	13	1.8462	2549	1093	\$106.90	0.4	\$0.00	\$106.90
1	5	1994	10.55	5.6872	13	4.6154	2549	2733	\$267.25	1.1	\$0.00	\$267.25
1	3.5	1994	10.55	3.9810	13	3.2308	2549	1913	\$187.07	0.8	\$0.00	\$187.07
1	7	1994	9.31	9.0226	13	6.4615	2549	6529	\$638.56	2.6	\$0.00	\$638.56
1	10	1994	9.31	12.8894	13	9.2308	2549	9328	\$912.24	3.7	\$0.00	\$912.24
1	2	1998	10.8	2.2222	13	1.8462	2549	959	\$93.77	0.4	\$0.00	\$93.77
1	5	1998	10.8	5.5556	13	4.6154	2549	2397	\$234.42	0.9	\$0.00	\$234.42
1	3.5	1998	10.8	3.8889	13	3.2308	2549	1678	\$164.10	0.7	\$0.00	\$164.10
1	7	1998	9.62	8.7318	13	6.4615	2549	5788	\$566.07	2.3	\$0.00	\$566.07
1	10	1998	9.62	12.4740	13	9.2308	2549	8269	\$808.67	3.2	\$0.00	\$808.67
1	2	2000	10.9	2.2018	13	1.8462	2549	907	\$88.69	0.4	\$0.00	\$88.69
1	5	2000	10.9	5.5046	13	4.6154	2549	2267	\$221.71	0.9	\$0.00	\$221.71
0	3.5	2000	10.9	0.0000	13	0.0000	2549	0	\$0.00	0.0	\$0.00	\$0.00
0	7	2000	9.8	0.0000	13	0.0000	2549	0	\$0.00	0.0	\$0.00	\$0.00
								43859	\$4,289.45	17.2	\$0.00	\$4,289.45