

sesco lighting Energy Solution

WE TAKE THE **!!!** OUT OF **!!!** UMINATION®

Project Name:	Area Parking Garage			Date:	03/09/09
Project Address:	123 Main Street				
City:	Orlando	State:	FL	Zip Code:	32816
Contact Name:	John Smith	Phone:	0	Fax:	0

Cost/KWH: **\$0.097** Total square footage of the audit areas: **250000**

Base Lighting System	
Total KWH usage per month	39,075
lbs of carbon emissions per month	52,360
Total lighting energy cost per month	\$3,790.24
Total KWH usage per year	468,896
lbs of carbon emissions per year	628,321
Total lighting energy cost per year	\$45,482.92
Lighting maintenance cost per year	\$6,235.32

Energy Solution System	
Total KWH usage per month	14,673
lbs of carbon emissions per month	19,662
Total lighting energy cost per month	\$1,423.27
Total KWH usage per year	176,074
lbs of carbon emissions per year	235,939
Total lighting energy cost per year	\$17,079.19
Lighting maintenance cost per year	\$23,988.47

Energy Solutions Savings Calculations	
Total KWH saved per month	24,402
Reduction of carbon emissions per month in lbs	32,698
Total lighting energy savings per month	\$2,366.98
Total KWH saved per year	292,822
Reduction of carbon emissions per year in lbs	392,381
Total lighting energy savings per year	\$28,403.73
Lighting maintenance savings per year	(\$17,753.15)

Cost Analysis			
Base Lighting System		Energy Solution System	
Material cost	\$0.00	Material cost	\$44,250.00
Labor cost	\$0.00	Labor cost	\$26,584.00
EPACT 2005 tax deduction	\$0.00	EPACT 2005 tax deduction	\$52,500.00
State rebate	\$0.00	State rebate	\$0.00
Local rebate	\$0.00	Local rebate	\$0.00
Total cost	\$0.00	Total cost	\$18,334.00

Annual operation cost comparison	Cost amount	Per square foot breakdown
Base Lighting System annual operating cost	\$51,718.24	\$0.21
Energy Solution System annual operating cost	\$41,067.66	\$0.16
Annual operation cost savings	\$10,650.58	\$0.04

Return on investment in years **1.7 years**

Thank you for allowing SESCO Lighting to perform this lighting energy audit on your facility. The results of our audit indicate that by implementing the proposed changes your facility can benefit from the following:

- 1) A monthly savings in lighting system cost* of:
\$887.55
- 2) A yearly savings in lighting system cost* of:
\$10,650.58
- 3) A reduction of the facility's carbon footprint in pounds per year:
392,381 lbs
- 4) A reduction of KWH used per year to operate the lighting system:
292,822 KWH
- 5) These proposed changes have a return on investment of:
1.7 years

* The cost savings is the result of energy cost savings, maintenance savings, Tax deduction and life cycle savings.

*** Consult your tax advisor for details related to the 2005 Epact Tax deduction extended until 12/31/2013

The Emergency Economic Stabilization Act of 2008 (HR-1424), approved and signed on October 3, 2008, extends the benefits of the Energy Policy Act of 2005 through December 31, 2013.

SESCO lighting is a national member of the



SESCO Lighting

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SESCO
Lighting For A
Greener Tomorrow™

A proud partner of the EPA Green Power Partnership Program

Corporate partnership with the Conservation Fund- GO Zero Program

A Proud Energy Star Pledge Driver

Corporate member of the International Dark-Sky Association

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***sesco* Lighting Energy Solution**

Financial & Environmental Impact

Project: Area Parking Garage

The financial and environmental benefits of this proposal over a year period equates to:

A total net income increase at the end of the proposed time period of:

By the end of the above time period the energy saved from this lighting solution proposal will be * barrels of oil which would have been needed to produce electricity for this facility.

The **reduction of carbon emissions** over the proposed time period is equivalent to removing * cars from our highways.

The positive benefits listed above can be realized by making the right choices for your facility and your environment.

For each month that goes by with nothing **done...the list below is the reality:**

A loss in net income per month of

The unnecessary and wasteful use of * barrels of oil each month to produce electricity which is not required.

* www.epa.gov/cleanenergy-resources/calculator.html