ENERGY COST ANALYSIS

BASIC DATA

1.	Number of luminaries		
2.	Luminaire type		
3.	Lamps per luminaire		
4.	Lamp type		
5.	Initial lamp lumens		
6.	Average lamp life (hours)		
7.	Total watts per luminaire (including ballast)		
8.	Annual operating hours		
9.	Average maintained footcandles		

COST DATA

10.	Cost of luminaries (each)	$	$	$
11.	Cost of lamps (each)	$	$	$
12.	Cost of accessories (each)	$	$	$
13.	Total product cost 1 x (**10.** + **11.** + **12.**)	$	$	$
14.	Energy cost per KWH (dollar decimal)	$	$	$
15.	First year energy cost **14.** x **1.** x **7.** x **8.** ÷ 1000	$	$	$
16.	Projected 10 year cost of energy* **15.** x 10 x 1.594	$	$	$

SAVINGS DATA

17.	First year energy savings	$	$	$
18.	Projected 10 year energy savings*	$	$	$
19.	Projected average savings per year* **18.** ÷ 10	$	$	$
20.	Payback period on energy savings* **13.** ÷ **19.**	Years	Years	Years

*Projected energy costs based on a 10% annual inflation factor over a 10 year period of time.

ENERGY COST CALCULATIONS

FIRST YEAR ENERGY COSTS

Number of luminaries		Total Watts per luminaire		Annual operating hours		Energy cost per KWH①		First year energy cost
	X		X	HRS.	X		=	$

1000②

① Express as dollar decimal (4 per KWH = .04)
② Converts watts to kilowatts

PROJECTED ANNUAL AVERAGE 10 YEAR ENERGY COST

First Year Energy Cost				Projected annual average 10 year energy cost
$	X	1.594	=	$

PROJECTED TOTAL 10 YEAR ENERGY COST

First Year Energy Cost						Projected annual average 10 year energy cost
$	X	1.594	X	10	=	$

Projected costs based on a 10% annual inflation factor over a 10 year period of time.