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Lighting System Payback Analysis

Input
Output

Customer Information		Facility Information	
Project Name:	Your Building	Area (sq. ft.)	33,750
		Cost Per kWh	\$ 0.130
Contact:	Energy Conscious Property Manager	Annual Operating Hrs	5,840

75w Lobby Recessed Lighting Fixtures

System Information	Existing	Proposed
Luminaire Description	Existing	Proposed
Input Watts Per Luminaire	75	9
Quantity	300	300
System Watts	22,500	2,700
System kW	22.5	2.7
Annual kWh	131,400	15,768
Annual Energy Costs	\$ 17,082	\$ 2,049.84
Monthly Costs	\$ 1,424	\$ 171
Per Luminaire Cost		\$ 60.00
Total System Cost		\$ 18,000.00
Labor/Materials/Disposal (Lot Price)		
Per Luminaire Rebate/Incentive		\$ 5.00
Total System Rebate/Incentive		\$ 1,500.00
Existing Fixture Annual Maintenance (10%)		\$1,050.00
Total Contract Price		\$ 16,500.00

Payback Analysis

Watts Per Square Foot	0.666666667	0.08
Annual Energy & Maintenance Savings		\$ 16,082
Cost of Waiting (Monthly w/ Fixt. Maint.)		\$ 1,340
Simple Payback (Years)		1.03
IRR (%)		97%
Five Year Energy Cash Flow		\$ 63,911

Annual Energy Costs per Lighting Systems

