Calculating approximate energy savings for your lighting project

1. Use the input wattage guide to see what your existing fixture consumes (X watts).

2. Determine the same for your new or retrofitted fixture (Y watts).

3. Then subtract the difference to get the savings per fixture (X-Y=Z watts saved per fixture).

4. Multiply this by the quantity of fixtures to get total watts saved.

5. Divide this total savings by 1000 to get kilowatts (kW) saved.

6. Determine your annual hours of operation (let's say 4,000 for this example).

7. Determine your blended energy costs from energy bills by dividing total electric bill cost by total kWh (cost/kWh). This should equal about $0.075/kWh.

8. Then multiply: total savings (Z kW) X annual hours (4,000 hrs) X cost ($0.075/kWh)

9. This will give you approximate annual savings for your project.

10. You can then use this number in the simple payback calculator.