

Project Title: Lighting Upgrade Analysis
Project ID: 30206
Project Manger: T.M.

Prepared By: W.T Sheet: 1 of 1
Checked By: D.W. Date: 12/28/2017

Net Present Value (1 to 15 years)

Project Description:

Lighting fixture replacements - CFL with LED. Total investment cost \$1,000, annual energy savings of \$200.

Start Year: 2018 (Year 0)

Term in Year: 12 Number of Years (1 to 15)

Discounted Rate: 5.00%

| Year | Year # | Outflows (Expenses) | Inflows (Savings or Incomes) | Net Cost Flow | Discount Factor | Discounted Cash Flow | Remarks |
|----------------|--------|---------------------|------------------------------|-------------------|-----------------|----------------------|---------------------|
| 2018 | 0 | \$1,000.00 | | -\$1,000.00 | 1.0000 | -\$1,000.00 | Upgrade Cost |
| 2019 | 1 | | \$200.00 | \$200.00 | 0.9524 | \$190.48 | from energy savings |
| 2020 | 2 | | \$200.00 | \$200.00 | 0.9070 | \$181.41 | from energy savings |
| 2021 | 3 | | \$200.00 | \$200.00 | 0.8638 | \$172.77 | from energy savings |
| 2022 | 4 | | \$200.00 | \$200.00 | 0.8227 | \$164.54 | from energy savings |
| 2023 | 5 | | \$200.00 | \$200.00 | 0.7835 | \$156.71 | from energy savings |
| 2024 | 6 | | \$200.00 | \$200.00 | 0.7462 | \$149.24 | from energy savings |
| 2025 | 7 | | \$200.00 | \$200.00 | 0.7107 | \$142.14 | from energy savings |
| 2026 | 8 | | \$200.00 | \$200.00 | 0.6768 | \$135.37 | from energy savings |
| 2027 | 9 | | \$200.00 | \$200.00 | 0.6446 | \$128.92 | from energy savings |
| 2028 | 10 | | \$200.00 | \$200.00 | 0.6139 | \$122.78 | from energy savings |
| 2029 | 11 | | \$200.00 | \$200.00 | 0.5847 | \$116.94 | from energy savings |
| 2030 | 12 | | \$200.00 | \$200.00 | 0.5568 | \$111.37 | from energy savings |
| | | | | | | | from energy savings |
| | | | | | | | |
| | | | | | | | |
| Total = | | \$1,000.00 | \$2,400.00 | \$1,400.00 | Total = | \$772.65 | |

Notes:

[Enter You Notes Here.](#)