









Llambi Campbell

Energy-Efficient Street Lighting Assessment

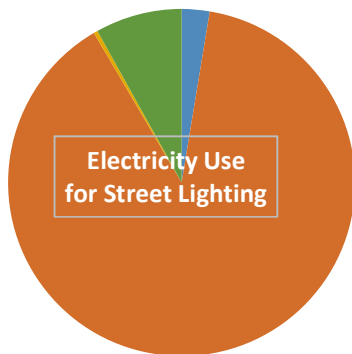
Annual Savings from Total Conversion to LED Street Lighting and Controls

Electricity savings	 386 MWh/yr	 48 thousand \$/yr	Financial savings <i>(electricity + maintenance)</i>
CO ₂ savings	 144 tonne/yr	 3 years	Payback period
CO ₂ savings/person	 57 kg/yr	 18 \$/yr	\$ Savings/person

Additional Detail on Street Lights and Savings

Before LED Upgrade

Electricity use **547 MWh/yr**
Annual running cost **71 thousand \$/yr**



- Mercury Vapour
- High Pressure Sodium
- Metal Halide
- Fluorescent + CFLs
- Incandescent
- LED (existing)

After LED Upgrade

Electricity use **161 MWh/yr**
Annual running cost **23 thousand \$/yr**



■ LED

General Information

Province	Santa Fe
Population	2,523
Size (Area, km ²)	N/A
Number of luminaires	692
Electricity price	0.12 \$/kWh
Currency /Exchange rate	US Dollars (20.5 ar\$)
Date	April 2018

Sources of Data

- * Survey completed by city/town
- * Street light manufacturer literature
- * Case studies and publicly available reports
- * Interviews with street lighting experts
- * UN Environment estimates

