<u>Site Survey Example:</u>

John Smith Elementary is located at 1234 Ceres Rd, Ceres CA and was originally built in 1957.

Building Summary:

- Classrooms and Administrative Buildings
    - 20 classrooms
    - 6 buildings, 30,000 sqft
    - Hours of operation: xxxx to XXXX
- Multipurpose Building/Gymnasium:
    - 1 building, 50,000 sqft with male and female locker rooms.
    - Hours of operation: xxxx to XXXX
- Portable Classrooms:
    - 10 buildings, 8,000 sqft
    - Hours of operation: xxxx to XXXX

Energy Use Summary:

- Based on Billing data for the 2013-2014 Fiscal Year:
    - Electrical Usage: 248,000 kWh
    - Natural Gas: XXX THERMS

Lighting:

- Classroom and Administrative Buildings: (See "Lighting Fixture Survey" in Appendix C for a full list of equipment)
    - The permanent classrooms and administrative buildings lighting systems consist of:
        - A mix of older generation T12 and T8 2-lamp and 4-lamp ceiling recessed fixtures for a total of 1000 fixtures. The physical and operational condition of the fixtures varies, however, a significant amount show signs of failing ballast, cracked lenses, and multiple CCT. Due to the age and variability in the lighting a significant energy savings may be achieved by completely retrofitting existing fixtures with new or refurbishing with new T8 28W technology including ballast, tombstones, and lenses.
        - There are 15 Exit lights which are lit by incandescent light bulbs. It is recommended to that they be replaced with new LED fixtures.
- Multipurpose Building/Gymnasium:
    - The Multipurpose Building/Gymnasium lighting systems consist of:
        - 30 High Pressure Sodium 600W fixtures suspended from the ceiling. These lights take time to warm-up and consume a considerable amount of energy. It is recommended that they be replaced with new LED technology.
- Portable Classrooms:
    - The permanent classrooms and administrative buildings lighting systems consist of:
        - A mix of older generation T12 and T8 2-lamp and 4-lamp ceiling recessed fixtures for a total of 1000 fixtures. The physical and operational condition of

the fixtures varies, however, a significant amount show signs of failing ballast, cracked lenses, and multiple CCT. Due to the age and variability in the lighting a significant energy savings may be achieved by completely retrofitting existing fixtures with new or refurbishing with new T8 28W technology including ballast, tombstones, and lenses.

- See Lighting Survey Spreadsheet.