

SCHEDULE A

DESCRIPTION OF FACILITIES

City-owned facilities and assets with associated Conservation Measures (CM) Groups to be installed under this Contract.

Facility	Address	*CM Group to be Installed
City Hall	100 N. U.S. 1 Fort Pierce, FL 34950	1, 3, 4, 6, 12
Fort Pierce Community Center (RiverWalk)	600 Indian River Dr. Fort Pierce, FL 34950	1, 3, 12
Marina Dock Master/ Marina Laundry	1 Avenue A Fort Pierce, FL 34950	1, 3
PAL Park (Police Athletic League)	903 S. 21 st St. Fort Pierce, FL 34950	1, 3, 12
Police Main Station	920 S. U.S. 1 Fort Pierce, FL 34950	1, 3, 5, 6, 9, 10, 12
Police Substation D	1220 Avenue D Fort Pierce, FL 34954	1, 3
Public Works Compound	52 Savannah Rd. Fort Pierce, FL 34982	1, 3, 12
Seven Gables House	480 N. Indian River Dr. Fort Pierce, FL 34950	1, 3
Sunrise Theatre	117 S. 2 nd St. Fort Pierce, FL 34950	1, 3, 7, 8, 11
City Streets (Non DOT)	Citywide Fort Pierce, FL	2

**CM Groups itemized in Schedule B*

SCHEDULE B – CONSERVATION MEASURES TO BE INSTALLED BY COMPANY

CM Group 1. Lighting Improvements and Controls.

Replacement equipment and device quantities, specifications and locations, by Facility and by room, to be installed under this Contract, are listed in the table in Appendix A. Scope of work includes:

- Existing inefficient fluorescent T-12 fixtures will be re-lamped and re-ballasted with new 28 Watt T-8 lamps with electronic ballasts.
- Existing incandescent lamps will be replaced by dimmable and standard compact fluorescent (CFL) bulbs as appropriate. If not controlled by a dimmer (for architectural aesthetic reasons) incandescent bulbs will be replaced by a compact fluorescent light source of equal lumen output (as close as possible due to size restraints of existing fixture).
- Provide new controls to ensure that lighting does not operate unnecessarily. Occupancy sensors include wall switch replacement type sensors installed (where feasible) in smaller rooms (offices, storage, single use bathroom, etc) and ceiling mounted occupancy sensors installed (where feasible) in larger areas (open offices, classrooms, gang bathrooms, meeting/conference rooms, hallways, etc). Every effort will be made to maintain dual switching environments (checkerboard and in-board out-board lighting patterns; provide 50% lighting reduction). Multi-setting digital timers will be installed (where feasible) in utility spaces (electric, mechanical, telephone, custodial, janitorial, storage rooms, etc...).
- Replace or install retrofit kits for HID wall pack lighting fixtures with induction lighting for building mounted exterior lighting.

CM Group #2: Street Lighting Retrofit

Scope of work includes:

- Replace (3212) high pressure sodium and (353) metal halide cobra head light fixtures throughout (non-FDOT) City streets with LED light fixtures.
- Retrofit (489) metal halide post top lighting fixtures throughout (non-FDOT) City streets to LED light fixtures.

CM Group #3: Low Flow Plumbing Fixtures

Scope of work includes:

- Replace the older 3.5 gpf water closet flush valves with new 1.28 gpf flush valves. The valves include vandal resistant chrome stop covers for the integral setscrews to discourage tampering. The bowls will also need to be changed out to complete the low-flow replacement. The existing bowls use a direct-feed siphon jet and have an elongated

design. The new bowls will include new bolts, wax rings, toilet seats, and caulking of each fixture. In cases where an ADA (American Disabilities Act) handicapped fixture is being changed out, the new fixture will be ADA compliant as well. Existing wall hung and floor mounted models will be replaced with models of similar mounting types.

- Replace the older 3.5 gpf tank style water closets with new 1.28 gpf tank style water closets. The new toilets will include new bolts, wax rings, toilet seats, and caulking of each fixture. In cases where an ADA (American Disabilities Act) handicapped fixture is being changed out, the new fixture will be ADA compliant as well.
- Replace the aerators on the lavatory faucets with new vandal-proof devices. The existing aerators consume up to 2.2 gpm. The flow control device is the vandal resistant Omni model 900 made by Chronomite Laboratories, or equal. These devices are a specialized faucet attachment with a rotating sleeve that prevents tampering with the faucet. They reduce the flow to 0.5 gpm and have the added benefit of providing reliable flow even at very low line pressures.
- Replace the high volume urinals with flush valves with new models that will reduce the flush volume from 1.5 gallons to 0.125 gallons. Existing wall hung and floor mounted models will be replaced with models of similar mounting types.
- Replace the existing 2.5 gpm showerheads with new 1.5 gpm fixtures. The replacement fixtures will be selected to provide a wide spray pattern at an adequate pressure.
- Replace the aerators on the kitchen and wash sink faucets with new vandal-proof devices. The existing aerators consume up to 2.5 gpm. The flow control device is the vandal resistant Omni model 900 made by Chronomite Laboratories, or equal. These devices are a specialized faucet attachment with a rotating sleeve that prevents tampering with the faucet. They reduce the flow to 1.5 gpm and have the added benefit of providing reliable flow even at very low line pressures.

The table that follows shows the fixture types and quantities included for replacement or upgrade for each facility.

Location	High Flow FV Water Closet	High Flow Tank Water Closet	High Flow Urinal	High Flow Lavatory Faucet	High Flow Shower Head	High Flow Kitchen Faucet	High Flow Wash Faucet
City Hall	23	1	6	20	0	1	1
River Walk Center	6	0	3	4	0	1	0
Marina	5	3	3	7	5	0	0
PAL Park	0	3	1	4	0	0	0
Police Main Station	10	0	6	14	9	1	1
Police Substation Ave D	3	0	1	4	0	1	0
Public Works Compound	3	13	9	15	1	1	1
Seven Gables House	0	2	0	2	0	1	0
Sunrise Theater	26	0	7	27	1	0	1

CM Group #4: City Hall Mechanical and Controls Upgrades

Scope of work includes:

- Replace (2) 7.5 HP chilled water pumps with equal capacity and characteristics.
- Replace (7) chilled water air handling units with new Trane air handling units of equal capacities and characteristics. Unit motors shall be premium efficiency inverter duty.

Variable Frequency Drives shall be installed with each unit. AHU-2 shall have demand controlled ventilation.

- Replace pneumatic chilled water control valves with new electronically actuated control valves for (7) new chilled water AHUs.
- Replace (76) variable air volume (VAV) terminal units with new Trane terminal units of equal airflow and electric heating coil capacities, as applicable. The new terminal units shall be designed for direct digital control.
- Provide, install and commission a new Trane web-based direct digital control (DDC) system programmed to optimally control all of the above listed new equipment.
- Integrate the existing chiller plant controls system into the new building wide DDC system (upgrade controller if required).
- Air and hydronic test, adjust and balance all new mechanical equipment, (equipment level).
- Replace the existing Trane 185 ton air cooled chiller with a new high efficiency Trane chiller of equal capacity.

CM Group #5: Police Main Station Mechanical and Controls Upgrades

Scope of work includes:

- Replace (2) 1.5 HP chilled water pumps with equal capacity and characteristics.
- Replace (24) chilled water fan coil units (FCUs) with new Trane fan coil units of equal capacities and characteristics.
- Replace chilled water line voltage control valves with new electronically actuated control valves for (24) new FCUs.
- Provide, install and commission a new Trane web-based direct digital control (DDC) system programmed to optimally control all of the above listed new equipment.
- Integrate the existing chiller plant controls system into the new building wide DDC system (upgrade controller if required).
- Air and hydronic test, adjust and balance all new mechanical equipment (equipment level).
- Replace the existing 60 ton air cooled chiller with a new Trane chiller of equal capacity.

CM Group #6: IT Split System Upgrades

Scope of work includes:

- Provide and commission a new dedicated 7.5-ton split system computer room air conditioning (CRAC) unit to serve the 3rd floor computer room at City Hall. The new system shall be integrated into the new Trane building wide DDC system.
- Remove the existing 4-ton split system serving the Police Station server room/IT area (system to be turned over to the City).
- Provide and commission a new dedicated 7-ton split system computer room air conditioning (CRAC) unit to serve the Police Station server room/IT area. The new system shall be integrated into the new Trane building wide DDC system.

CM Group #7: Air Curtains at Dock Doors

Scope of work includes:

- Provide a new mechanical air curtain with automatic controls above each of two 8' x 13' roll-up loading dock doors on the Westside of the Sunrise Theater.
- Commission each new air curtain.

CM Group #8: Outside Air Reduction – Demand Controlled Ventilation

Scope of work includes:

- Connect existing CO₂ monitors and dampers for Demand Controlled Ventilation (DCV) on AHU-2A and 2B, serving the main theater at Sunrise Theatre.
- Program monitors and dampers to provide a minimum outside air quantity and additional outside air when a maximum CO₂ concentration is reached in the main theater.
- Commission the demand controlled ventilation systems on AHU-2A and 2B.

CM Group #9: Replace DX Equipment

Scope of work includes:

- Replace the 14 year old, 3-ton package roof-top air conditioning unit serving the Gym at the Police Station with a new, high efficiency (15 SEER or greater) model.
- Start-up & commission the new roof-top air conditioning unit.

CM Group #10: Add Ductless Split System

Scope of work includes:

- Provide, install and commission a new ductless split system heat pump with sufficient capacity to serve the report writing office in the Police Station. The wall-mounted air handling unit will be mounted on the inside of the East wall with the heat pump located outside that wall adjacent to the Gym.
- Reprogram the chilled water system schedule to shut down during unoccupied periods including weekday evenings and weekends.

CM Group #11: HVAC Controls Upgrade / Building Management System

Scope of work includes:

- Upgrade the existing Apogee system server software to the latest version.
- Add the Remote Notification software, to allow enunciation of Alarms, Status, and System Events to various devices. Provide required programming modifications.
- Provide one (1) server license.
- Provide on-site client training.

CM Group #12: Vending Miser

Scope of work includes:

Providing, installing and commissioning Vending Miser vending machine controls for:

- One (1) cold drink vending machine at City Hall.
- Two (2) cold drink vending machines at River Walk.
- Two (2) cold drink vending machines at PAL Park.
- One (1) cold drink vending machine at the Police Main Station.
- Two (2) cold drink vending machines at the Public Works Compound.

SCHEDULE C – SAVINGS GUARANTEE

The Company guarantees that, during each Guarantee Year during the Guarantee Period, the CM Groups shall be capable of producing Guaranteed Savings in an amount equal to or greater than Annual Guaranteed Savings for such Guarantee Period, subject to the City's proper operation and maintenance of the Facilities, adjustments which the Company is entitled to make per the terms of the Contract, and all other terms of this Savings Guarantee.

Exhibits or other attachments referenced in this Schedule B are hereby incorporated by reference into this Savings Guarantee. The following initial capitalized terms in this Savings Guarantee have the meaning set forth below.

1. DEFINITIONS

Section 1.1 Definitions. When used in the Contract, the following capitalized words shall have the meanings ascribed to them in this Section or as defined in Section 1.1 of the Guaranteed Energy and Water Savings Contract.:

“Energy Costs” may include the cost of electricity and fuels to operate HVAC equipment, facility mechanical and lighting systems, and energy management systems, and the cost of water and sewer usage, as applicable.

“Facilities” shall mean those buildings specifically and exclusively included in Schedule B where the energy and operational cost savings will be realized.

“Guarantee Period” is defined as the period beginning on the first (1st) day of the First Guarantee Year and ending on the last day of the final Guarantee Year.

“Guarantee Year” is defined as the First Guarantee Year and each of the successive twelve (12) month periods commencing on the anniversary of the Commencement Date.

“Guaranteed Savings” is defined as the amount of avoided Energy and Operational Costs necessary to pay for the cost of the CM incurred by the City in each Guarantee Year as identified in Section 3.1 hereof.

“Measurement and Verification Plan” (M&V Plan) is defined as the plan providing details on how the Guarantee Savings will be verified as more particularly described in Schedule K.

“Operational Costs” shall include the cost of operating and maintaining the Facilities, such as, but not limited to, the cost of inside and outside labor to repair and maintain the CM, the cost of custodial supplies, the cost of replacement parts, the cost of deferred maintenance, and the cost of new capital equipment.

“**Option A**” is a verification approach that is designed for projects in which the potential to perform needs to be verified, but the actual performance can be stipulated based on the results of the “potential to perform and generate savings” verification and engineering calculations. Option A involves procedures for verifying that:

- Baseline conditions have been properly defined; and
- The equipment and/or systems that were contracted to be installed have been installed; and
- The installed equipment components or systems meet the specifications of the contract in terms of quantity, quality, and rating; and
- The installed equipment is operating and performing in accordance with the specifications in the contract and meeting all functional tests; and
- The installed equipment components or systems continue, during the Savings Guarantee Term of the contract, to meet the specifications of the contract in terms of quantity, quality and rating, and operation and functional performance.

“**Option D**” is primarily a whole-building method. Savings are based on the results of a calibrated computer simulation model. Estimated savings may vary over the Savings Guarantee Term if real weather data is used. Option D uses calibrated computer simulation models of component or whole-building energy consumption to determine energy savings. Linking simulation inputs to baseline and post-installation conditions completes the calibration. Characterizing baseline and post-installation conditions may involve metering performance and operating factors before and after retrofit. Long-term whole-building energy use data as well as periodic system level performance measurements may be used to calibrate the simulation(s).

“**Total Guarantee Year Savings**” is defined as the summation of avoided Energy and Operational Costs realized by Facilities in each Guarantee Year as a result of the Work provided by the Company.

2. TERM AND TERMINATION

Section 2.1 Guarantee Term. The Savings Guarantee shall begin on the Commencement Date and shall automatically renew annually, subject to the City making sufficient annual appropriations based upon continued realized savings; provided, however, the Savings Guarantee Term shall not extend beyond the earlier of: (i) the effective date of termination under Section 7 of the Contract; or (ii) fifteen (15) years (the “Savings Guarantee Term”).

Section 2.2 Guarantee Termination. This Savings Guarantee shall be terminated only in accordance with Section 7 of Guaranteed Energy and Water Savings Contract and as follows: Provided that the termination of the Contract is pursuant to Section 7.1 or 7.2 of the Contract this Savings Guaranty shall automatically terminate at the conclusion of the last period for which funds have been appropriated.; If the termination of the Contract is pursuant to Section 7.3 of the Contract and if the Event of Default pursuant to Section 14.1 of the Contract is due to City Fault, this Savings Guaranty shall not terminate.. Otherwise, this Savings Guarantee shall remain in full

force and effect for the Performance Period, as if the Contract had not been terminated. If the Guaranteed Energy and Water Savings Contract and the Guarantee Agreement are properly terminated in accordance with this Section, prior to the end of the Performance Period, the Guaranteed Savings for the Guarantee Year in which such termination becomes effective shall be prorated as of the effective date of such termination, with a reasonable adjustment for seasonal fluctuations in Energy and Operational Costs, and the Guaranteed Savings for all subsequent Guarantee Years shall be null and void.

3. SAVINGS GUARANTEE

Section 3.1 Guaranteed Savings. The Company has formulated and thus guarantees to the City that the identified Facilities will realize the total energy and operational cost avoidance through the combined value of all CM Groups over the Term of the Contract. In addition, Company's parent company, Consolidated Edison Solutions, Inc., shall execute a Corporate Guaranty of Company's obligations under this Savings Guarantee, in the same form attached hereto as Attachment C.1 to this Savings Guarantee.

Section 3.2 Additional Savings. Additional energy and/or operational cost avoidance that can be demonstrated to the satisfaction of the City to be a proximate result of the Company's efforts that result in no additional costs to the City beyond the costs identified in this Contract will be included in the guarantee savings reconciliation report for the applicable Guarantee Year(s).

Section 3.3 Savings Reconciliation Documentation. The Company will provide the City with a guaranteed savings reconciliation report after each Guarantee Year in accordance with Section 5.3. The City will assist the Company in generating the savings reconciliation report by providing the Company with copies of all bills pertaining to Energy Cost together with access to relevant records relating to such energy costs. The City will also assist the Company by permitting access to the Facilities, any maintenance records, drawings, compliance records or other data deemed necessary by the Company to generate the said report. Data and calculations utilized by the Company in the preparation of its guarantee cost savings reconciliation report will be made available to the City, along with such explanations and clarifications as the City may reasonably request.

Section 3.4 Guaranteed Savings Reconciliation. Guaranteed Savings will be determined in accordance with the methodology(s), operating parameters, formulas, and stipulated/constants as described below and/or defined in Schedule D (Savings Calculation Formula) and/or additional methodologies defined by the Company that may be negotiated with, approved and adopted by City at any time. For each CM, the Company will employ the appropriate protocol in accordance with the pre-designated and approved M&V Plan contained at Schedule K of the Agreement, which may be comprised of any or all of the following elements:

- Pre-retrofit model of energy consumption or demand
- Post retrofit measured energy consumption

- Post-retrofit measured demand and time-of-use
- Post-retrofit energy and demand charges
- Sampling plan
- Stipulated Values

The value of the energy savings will be derived from the measured data and engineering formulae included in Schedule D, and the applicable energy charges during each Guarantee Year. In some cases, energy usage and/or demand will be calculated from measured variables that directly relate to energy consumption, demand or cost, such as, but not limited to, measured flow, temperature, current, voltage, enthalpy or pressure.

4. OWNER CONTROLLED VARIABLES

Section 4.1 City Maintenance Responsibilities. For the purposes of the Savings Guarantee, the City represents, warrants, and agrees to adhere to, follow and implement the maintenance procedures and methods of operation recommended in the Equipment manufacturers' Maintenance Manuals, common and recommended industry practices, and other mutually agreed maintenance procedures. The City further represents, warrants and agrees to protect against and replace in the event of any casualty, and not to undertake any changes which would adversely affect or reduce the Guaranteed Savings ("Changes").

Section 4.2 City Responsibility to Notify. In the event of any failure of the City to abide by Section 4.1 of this Savings Guarantee or in the event of any changes that impact the mechanical or operational ability of the ECMs to continue to achieve the guaranteed energy, water and operation cost savings, the City agrees to notify the Company in writing within five (5) business days of any actual, anticipated or intended variation that would reduce the Guaranteed Savings, whether before substantial completion or during the Guarantee Period. Upon receipt of such notice, or in the event that the Company independently learns of any such variations, the Company shall be entitled to an adjustment of the Guaranteed Savings proportionally and only to the extent that the Company is able to establish that the failure or change impacted the mechanical or operational ability of the ECMs to continue to achieve the guaranteed energy, water and operation cost savings .

Section 4.3 Measurement and Verification. This Savings Guarantee is based on M&V Option A and Option D as detailed in this Guarantee.

5. UTILITY BILLS

Section 5.1 Guarantee. The Savings Guarantee and the Guaranteed Savings in any M&V Plan report is not a representation, guarantee or warranty that the actual dollar amount of utility bills of the City will be reduced or lower than before, as so many other factors affect utility bills. This is only a guarantee that the Total Guaranteed Savings will meet or exceed the Guaranteed Savings during each respective annual measurement period during the Guaranteed Savings Period if the CM is operated and maintained by the City as required by this Contract.

6. EXCLUSIVE REMEDIES OF THE CITY

Section 6.1 Company Remedies. Prior to the delivery of any Annual Reconciliation report, in the event that such Annual Reconciliation report would indicate that the CM will otherwise fail to produce Guaranteed Savings in an amount at least equal to the Total Guarantee Year Savings for such annual period (and such situation is not caused by the City's failure to operate the CM per this Contract), the Company may, at its sole cost and expense, on one or more occasions, take action to cause the Guaranteed Savings to equal or exceed the Total Guarantee Year Savings, including, but not limited to, fine-tuning the CM and the addition of implementation methods, operation methods or energy conservation measures which would increase the Guaranteed Savings. In any such remedy case, the Company shall provide the City with notice of any such activity including an Annual Reconciliation report, which will provide the appropriate details. Any such actions shall not adversely impact facility operations nor impede on normal facility functionality and shall be at Company's sole cost and expense.

Section 6.2 City Remedies. If after taking the actions described above (which the Company shall describe to the City in the Annual Reconciliation report) and performing any follow up which the Company deems necessary, such Annual Reconciliation report still indicates that the Guaranteed Savings in such Annual Reconciliation report is not at least equal to the Total Guarantee Year Savings amount for such period, the Company shall pay to the City an amount equal to the difference for such respective annual period between the Guaranteed Savings amount and the Total Guarantee Year Savings amount in such Annual Reconciliation report. This shall only be for the then current Annual Reconciliation report and shall not affect any prior or any future annual Reconciliation report. . This is the City's sole and exclusive compensatory remedy under this Savings Guarantee, and no other rights or remedies are granted except to the extent that those rights are contained in the Guarantee Agreement, a performance bond or policy of Insurance required by the Contract or this Guarantee.

Attachment C.1 to Savings Guarantee

SCHEDULE A TO GUARANTY AGREEMENT

Savings Guarantee Term Year	Measured Savings	Stipulated Operational Savings	Guaranteed Energy Costs Savings
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

SCHEDULE D – MEASUREMENT AND VERIFICATION FEES

Upon City acceptance of final completion of the construction phase of the conservation measures, the measurement and verification (M&V) phase of the contract shall commence. Compensation to Company for annual the M&V services **are not** included in the conservation measure construction phase compensation shown in Schedule F. Annually, for each of the first five years of the energy savings guarantee term, the City shall issue a purchase order to Company for authorization of M&V services, the annual purchase order amount shall be based on the following table:

Guarantee Year	M&V Services Fee Payable to Company
1	\$5,000.00
2	\$5,150.00
3	\$5,305.00
4	\$5,464.00
5	\$5,628.00
6	\$0
7	\$0
8	\$0
9	\$0
10	\$0
11	\$0
12	\$0
13	\$0
14	\$0
15	\$0
16	\$0
17	\$0
18	\$0
19	\$0
20	\$0

SCHEDULE E – SAVINGS CALCULATION FORMULA

Cost Savings under this Contract shall be determined according to the following formula:

$$\text{Cost Savings} = (\text{Baseline Costs} - \text{Post Installation Costs}) \pm \text{Adjustments}$$

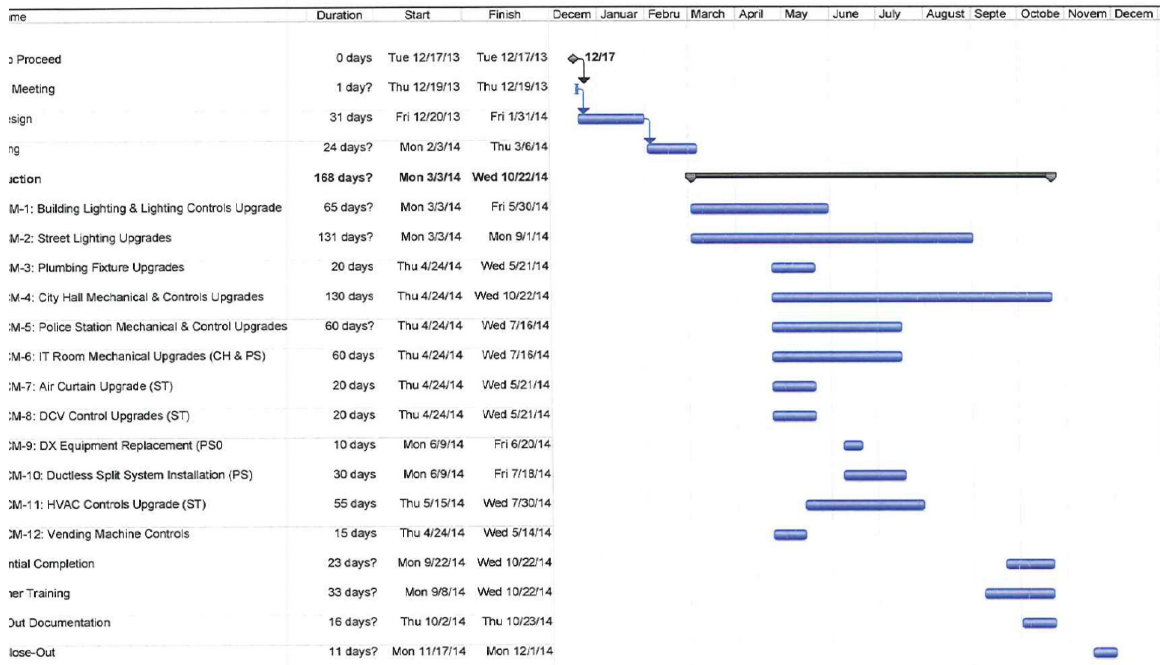
The following definitions and methodologies shall apply:

A. **Baseline Costs.** The estimated costs of fuel, energy or water consumption or wastewater production that would have been incurred in the CM had not been installed or implemented. Baseline Costs shall be the product of (i) the Baseline amounts set forth in Schedule F; and (ii) the utility rates.

B. **Post-Installation Costs.** Post-Installation Costs shall be the cost of fuel, energy or water consumption or wastewater production resulting from the installation and implementation of the CM. Post-Installation Costs shall be the product of actual measurable savings together with the stipulated operation and maintenance and capital cost avoidance cost savings resulting from the implementation and installation of the CM. These cost savings have been negotiated and agreed upon by the parties and there is no need to verify the agreed savings.

C. **Adjustments.** § 489.145 (4)c Florida Statutes, requires that any Baseline adjustments must be specified in the contract. The parties agree that Baseline adjustments are authorized only to the extent authorized in section 11 and/or Schedule F (Baseline) of the Contract.

EXHIBIT A TO SCHEDULE F CONSTRUCTION SCHEDULE



Schedule 11-1	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

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EXHIBIT B TO SCHEDULE F
DBE PARTICIPATION STATEMENT
[TO BE ADDED BY THE CITY]

EXHIBIT C TO SCHEDULE F
NOTICE TO CONTRACTORS
[TO BE ADDED BY THE CITY]

EXHIBIT D TO SCHEDULE F
WAGE RATE REQUIREMENTS
[TO BE PROVIDED BY CITY]

EXHIBIT E TO SCHEDULE F

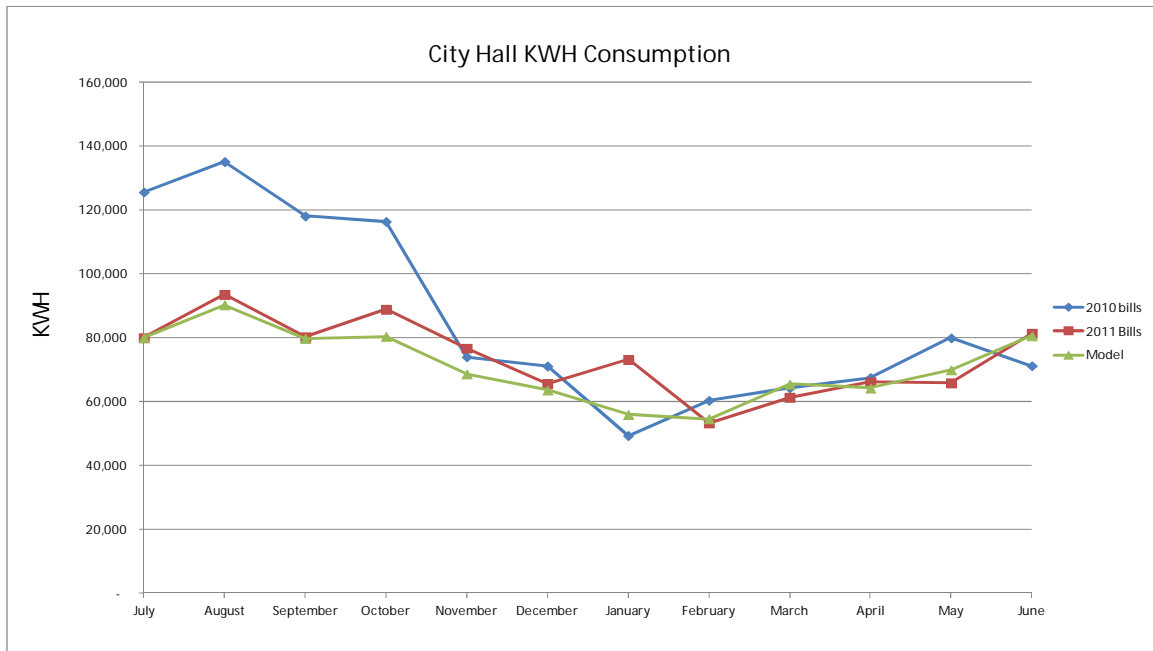
BUY AMERICAN CERTIFICATE OF COMPLIANCE, CERTIFICATION REGARDING
LOBBYING, CERTIFICATION REGARDING DEBARMENT

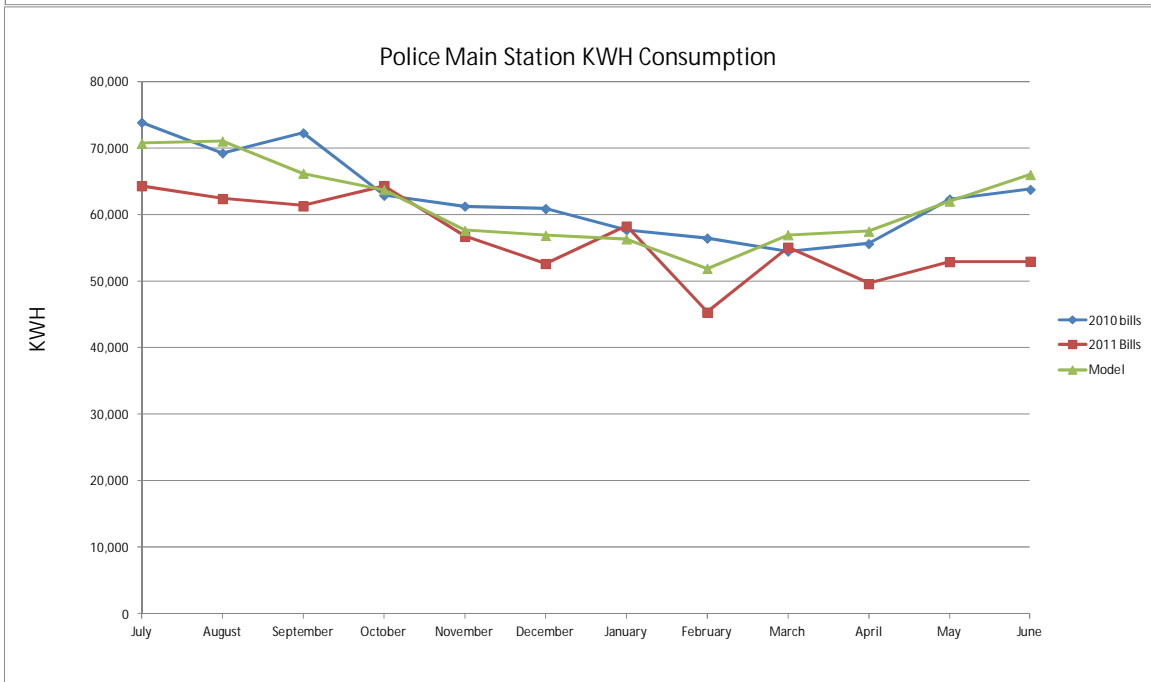
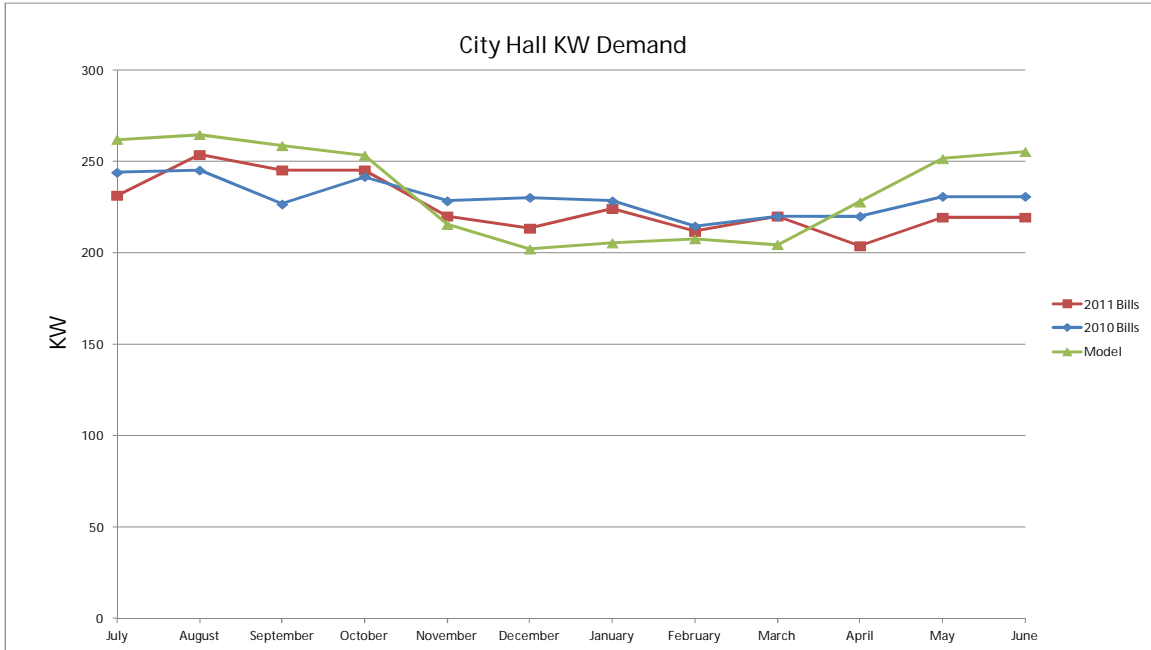
[TO BE PROVIDED BY CITY]

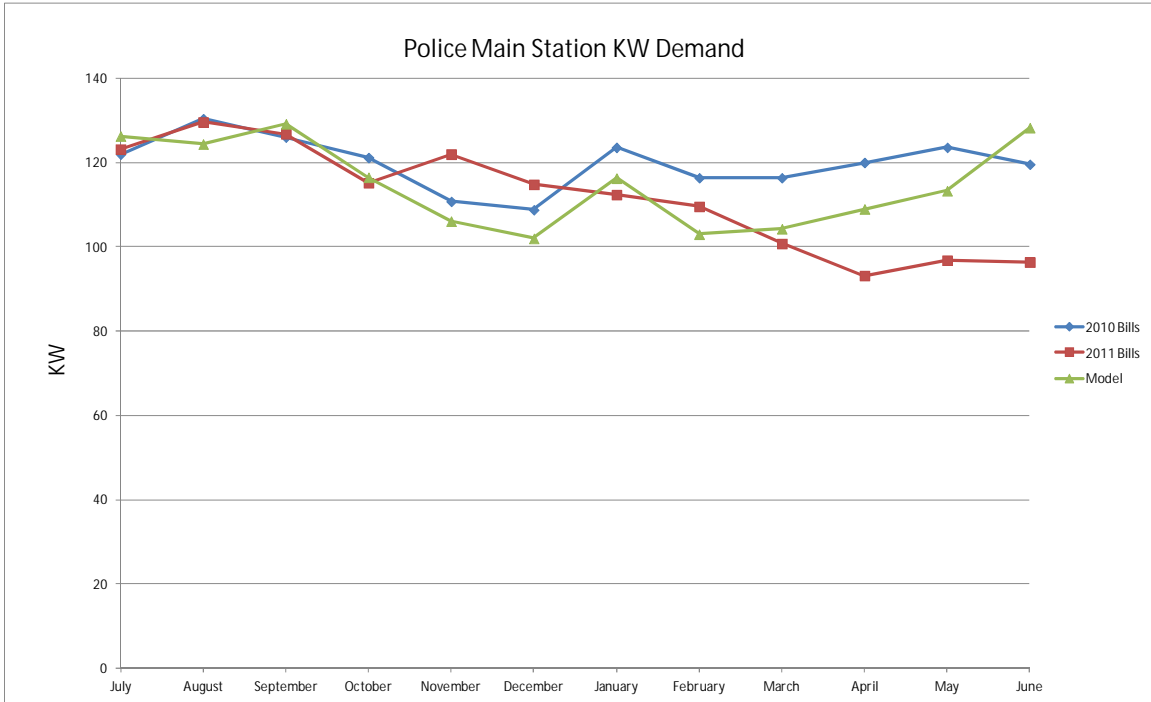
SCHEDULE G - BASELINE

A weather adjusted baseline energy model was developed for City Hall and the Police Main Station. The models were developed using commercially available energy simulation software. The software consists of Typical Meteorological Year (TMY) weather data.

Utility data for 2010 and 2011 was used to calibrate the models. The graphs below show how the computer simulation model calibrated to the utility data.







Interactive effects of all systems on overall building energy consumption are incorporated into the models, yielding highly accurate energy use estimates for both the baseline building design and operation and also for the building design and operation.

Utility Rates:

Location	Electricity Rate (\$/kWh)	Electricity Demand (\$/kW)
City Hall	\$0.119	\$6.77
River Walk Center	\$0.143	\$6.77
Marina	\$0.132	\$6.43
PAL Park	\$0.160	\$6.77
Police Main Station	\$0.114	\$6.77
Police Substation Ave D	\$0.124	\$6.77
Public Works Compound	\$0.127	\$6.77
Seven Gables House	\$0.136	\$0.00
Sunrise Theater	\$0.124	\$6.77

The per kWh rates noted in the first column are the averaged total cost/kWh for each facility based on the historical bills received from FPUA, including the power cost adjustments. The demand column is the demand rate applicable to each facility based on the same bills. These are the rates that were used to calculate savings for the ECMs.

Notes: a) Seven Gables House is on a non-demand rate, and receives no demand charge; b) one of the meters at the Marina is also on a non-demand rate, which is reflected in a lower average demand rate for the facility.

SCHEDULE H – STANDARDS OF COMFORT

The City shall continue to be responsible for the maintenance and operation of all new and existing equipment and systems installed at and serving the City owned facilities. For purposes of this contract, it is assumed the City shall maintain and operate all equipment in a manner that will provide the same Standards of Comfort for heating, cooling and lighting systems that is currently being provided by the City.

SCHEDULE I

COMPANY'S MAINTENANCE AND TRAINING RESPONSIBILITIES

The Company shall provide on-site training to the City's Facilities and Maintenance staff members who will be assigned to and responsible for the operation and maintenance of the new equipment being installed. The Company will provide training in the use, operation and maintenance of equipment installed by the Company under this contract.

Upon execution of this Contract by the Parties, the City shall provide the Company with a list of staff that will be trained by the Company. Company shall provide up to (40) hours of training on operation and maintenance of new HVAC, mechanical, electrical and lighting equipment installed.

At or near the Substantial Completion of the installation of the new direct digital controls (DDC) systems installed at the City Hall and Police Station, a separate (40) hour training course will be provided to City Facilities and Maintenance staff members for instruction and operation of the new controls. This class will be held locally in a pre-determined "class-room" environment.

SCHEDULE J – FINANCING AGREEMENT

[TO BE PROVIDED BY CITY ONCE THEY'VE SECURED FINANCING]

SCHEDULE K – COMPANY MEASUREMENT AND VERIFICATION PLAN TO MONITOR COST SAVINGS

There are several primary methods for measuring energy saving measures as defined by the International Performance Measurement and Verification Protocol (IPMVP). IPMVP is the industry accepted standard guideline for performing measurement and verification. Each one is applicable to different risk sharing scenarios, different project values, and different types of contracts. For this project the Company recommends using Option A and Option D. What follows is a brief description of the two options:

Option A: Partially Measured Retrofit Isolation is designed for retrofits where end-use “efficiency” or power draw can be measured or stipulated using manufacturers’ performance specifications or one time measurements. Estimated or stipulated energy consumption is calculated by multiplying manufacturers’ information or measured variable times the stipulated hours of operation for each period of operation. Some of the best applications for this option are individual loads or systems within a building, where energy usage can be broken down to one or two primary, straightforward parameters. As part of the contract, both parties must agree up front that the mainly stipulated parameters are reasonable, realistic and accurate, and may only be changed by a mutually agreed upon modification to the contract.

Option D: Calibrated Simulation involves determining energy savings during the performance period using calibrated building simulation tools. Savings determined through Option D is intended for energy conservation retrofits where calibrated simulations of the baseline energy use and/or calibrated simulations of the post-installation energy consumption are used to measure project savings. Option D may involve measurements of energy use before and after the retrofit for specific equipment or energy end-use, as required for proper calibration of the simulation program. Periodic inspections of the equipment may also be warranted. Energy consumption is calculated by developing calibrated, hourly simulation models of whole-building energy use, or equipment subsystems. This is done in both the baseline mode and in the post-installation mode. Comparisons can then be made for the (simulated) differences for a “typical” weather year, or for weather and operating conditions that correspond to a specific year during either the baseline or post-installation period.

CM 1 – Lighting Improvements and Controls

The measurement and verification approach for this CM is the IPMVP Option A.

The performance of the CM shall be supported by the Measured Capacity data obtained before and after retrofit. A power meter will be utilized to measure the connected electrical load in Kilowatts, of representative types of fixtures. At least (3) measurements of (6) different types of fixture to be replaced/ retrofitted shall be made to obtain a statistical average. This average will reflect the value of Stipulated Pre and Post kW. Fixtures that cannot be easily measured shall be stipulated. The measurements shall be taken one time and shall be stipulated for the remainder of the contract.

The hours of operation shall be stipulated and are based on the occupancy sensor data obtained from the data loggers. The stipulated hours of operation are displayed in the chart for CM#1 in Appendix A (Lighting CM Group Specifications). As long as the occupancy sensors are operational at the time of inspection, the measure will be deemed as performing. This information shall be utilized as the basis for the annual hours of operation agreed-upon according to IPMVP Option A.

CM 2 – Street Lighting Retrofit

The measurement and verification approach for this CM is the IPMVP Option A.

The performance of the CM shall be supported by the Measured Capacity data obtained before and after retrofit. A power meter will be utilized to measure the connected electrical load in Kilowatts, of representative types of fixtures. At least (3) measurements of each different type of fixture to be replaced shall be made to obtain a statistical average. This average will reflect the value of Stipulated Pre and Post kW. Fixtures that cannot be easily measured shall be stipulated. The measurements shall be taken one time and shall be stipulated for the remainder of the contract.

CM 3 – Low Flow Plumbing Fixtures

The measurement and verification approach for this CM is the IPMVP Option A.

The flow rates of the new fixtures shall be guaranteed to meet the manufacturer's data specifications. Total fixture usage shall be stipulated based on the Water Fixture Consumption models included in Appendix A.

CM 4 – City Hall CHW Mechanical & Controls Upgrades

The measurement and verification approach for this CM at City Hall is the IPMVP Option D.

Savings calculations were calculated for City Hall using Carrier Hourly Analysis Program energy simulation software that performs energy calculations based on a typical meteorological year (TMY) weather data. The baseline assumptions are reflected in the Baseline model comparison to the utility data in Schedule F. Due to the nature of this CM and its dependency on weather conditions and other dynamic factors, there is no means by which to measure and verify the savings. The savings are stipulated based on ASHRAE methodology.

The Company shall commission the Variable Frequency Drives, associated controls and sequence of operations one time at the completion of construction. As long as the equipment and controls are maintained as per manufacturer's instructions and sequences remain unchanged, this CM shall be deemed as performing. The company will calibrate the CO₂ sensors one time at the completion of construction. As long as the facility ensures that the CO₂ sensors are calibrated, this CM will be deemed as performing.

CM 7 – Air Curtains at Dock Doors

The measurement and verification approach for this CM is the IPMVP Option D.

Savings were calculated using Berner International Corporation's Energy Savings Calculator program and 30 year average climatic data from NOAA's nearest data collection site in Vero Beach, FL. Normal interior operating conditions are assumed as 75 degrees F and 55% relative humidity. Open time was estimated as an average of 10 hours per week. Due to the nature of this CM and its dependency on weather conditions and other dynamic factors, there is no means by which to M&V the savings. The savings are stipulated based on ASHRAE methodology.

The Company shall commission the new equipment one time at the completion of construction. As long as the facility ensures that the equipment is maintained per manufacturer's requirements, this CM will be deemed as performing.

CM 8 – Demand Controlled Ventilation

The measurement and verification approach for this CM is the IPMVP Option D.

Savings calculations were completed for the affected air handling units using Carrier Hourly Analysis Program energy simulation software that performs energy calculations based on a typical meteorological year (TMY) weather data. Due to the nature of this CM and its dependency on weather conditions and other dynamic factors, there is no means by which to M&V the savings. The savings are stipulated based on ASHRAE methodology.

The Company shall calibrate the CO₂ sensors one time at the completion of construction. As long as the facility ensures that the CO₂ sensors are calibrated, this CM will be deemed as performing.

CM 9 – Replace DX Equipment

The measurement and verification approach for this CM is the IPMVP Option D.

For this smaller application, a custom spreadsheet was used to calculate annual energy use to determine the savings potential based on the equipment efficiency ratings and cooling degree days for Fort Pierce, Florida. Due to the nature of this CM and its dependency on weather conditions and other dynamic factors, there is no means by which to M&V the savings. The savings are stipulated based on ASHRAE methodology.

City of Fort Pierce - DX Equipment Replacement
ECM E9 - Replace 3 Ton RTU at Police Station

Existing	
Unit Capacity =	3 tons
EER =	8.7
KW/Ton =	1.3793103
Elec Cost =	\$0.114 KWH

Proposed	
Unit Capacity =	3 tons
EER =	12.3
KW/Ton =	0.97561

Annual Ton hrs = 9100.95 ton hrs

Annual Ton hrs = 9100.95 ton hrs

Annual KWH =	12,553.03
Annual Elec Cost =	\$1,431.05

Annual KWH =	8,878.98
Annual Elec Cost =	\$1,012.20

Annual Elec Saving =	\$418.84
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Annual KWH Saving =	3,674.06
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EMC Cost =	\$17,709.60
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Simple Payback =	42.3 Years
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Sizing Diversity = 85%
Cooling DD = 3569

EER converted from known SEER and derated for age on Existing Unit.
EER converted from known SEER from quoted Proposed Unit.

The company shall commission the new DX equipment one time at the completion of construction. As long as the facility ensures that the equipment is maintained per manufacturer's requirements, this CM will be deemed as performing.

CM 10 – Add Ductless Split System

The measurement and verification approach for this CM is the IPMVP Option D.

Savings calculations for this CM are completed using Carrier Hourly Analysis Program energy simulation software that performs energy calculations based on a typical meteorological year (TMY) weather data. For the calculation, the chilled water systems were scheduled off from 6:00 pm until 6:00 am daily. The baseline assumptions are reflected in the Baseline model comparison to the utility data in Schedule F. Due to the nature of this CM and its dependency on weather conditions and other dynamic factors, there is no means by which to M&V the savings. The savings are stipulated based on ASHRAE methodology.

The Company shall commission the new split system equipment one time at the completion of construction. As long as the facility ensures that the equipment is maintained per manufacturer's requirements, this CM will be deemed as performing.

CM 12 – Vending Misers

The measurement and verification approach for this CM is the IPMVP Option A.

For this smaller application, a custom spreadsheet was used to calculate annual energy use to determine the savings potential based on typical vending machine power requirements and operating schedules for each location.

Qty	Building	Qty Vending Machines	Qty Vending Machines w/o lights	Qty Coolers	Total Connected Demand (kW)	Existing Annual Hours of Operation	Existing Electric Consumption (kWh)	Annual Occupied Hours	Proposed Annual Hours of Operation	Proposed Electric Consumption	Operating Months per Year	Annual Electric Savings
[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]	[K]	[L]	[M]
1	City Hall	1	0	0	0.43	8,760	3,741	3,640	4,493	1,919	12	1,822
2	River Walk Center	2	0	0	0.85	8,760	7,481	8,030	8,152	6,962	12	520
2	PAL Park	2	0	0	0.85	8,760	7,481	3,120	4,060	3,467	12	4,014
1	Main Police Station	1	0	0	0.43	8,760	3,741	8,030	8,152	3,481	12	260
2	Public Works Compound	2	0	0	0.85	8,760	7,481	2,600	3,627	3,097	12	4,384
8					3.42		29924			18925		10999

Item	Value	Units	cell ref	Remarks
Existing Annual Hours of Operation per Machine	8,760	Hrs	[D14]	Vending Machines are constantly plugged in
Time Between Auto Repower	2	Hrs	[D15]	based on independent testing data
Duration of Auto Repower	0.4	Hrs	[D16]	based on independent testing data
Watts used for Vending Machine	427	W	[D17]	industry average
Watts used for Vending Machine without lights	233	W	[D18]	industry average
Watts used for Coolers	233	W	[D19]	industry average

Cell Ref.	Comment
A	Estimated quantity of machines appropriate for retrofit, per site audit
B	Facility analyzed
C	Quantity of vending machines appropriate for retrofit
D	Quantity of snack machines appropriate for retrofit
E	Quantity of coolers appropriate for retrofit
F	Total connected electric demand per building = [colC] x [F17] / 1,000 + [colD] x [F18] / 1,000 + [colE] x [F19] / 1,000
G	[F14]
H	[colF] x [colG]
I	Annual Hours the building is occupied
J	[colI] + ([D14] + 52 - [colI] + 52) + ([D15] + [D16]) x [D16] x 52 weeks
K	[colF] x [colJ]
L	Months per year the machine is powered on
M	[colH] - [colK]

The electrical consumption of the existing vending machines will be measured and stipulated for the remainder of the contract. Vending machine usage shall be stipulated based on the calculation model.

SCHEDULE L

COMPANY TEST AND BALANCE AND COMMISSIONING RESPONSIBILITIES

Described below is the method Company will use to verify the level of system performance and energy savings intended by the project design are actually realized after project completion, and then are maintained over time. This method to ensure the success of this project contains four interactive parts:

1. Start-Up

- Provide trained personnel to perform installation check-out and startup of all new and upgraded equipment and building systems.

2. Commissioning

- Professional engineers and other qualified personnel will perform design, construction and post-construction document review, site inspections and operational testing to ensure all new and upgraded building systems operate properly and function as intended and per the design documents.

3. Test & Balancing

- AABC or NEEB Certified technicians will perform pre- and post- hydronic and air system measurements and balancing at all HVAC equipment scheduled for replacement or retrofit under this project scope.

4. Training

- Training, education and support for the City facilities maintenance department staff and employees to ensure a full understanding of proper operation of the new equipment and systems as well as a full understanding of the means of energy savings to be sure staff and affected employees are able to maintain optimum system operational efficiency.

5. O&M Oversight

- Provide equipment and system operations and maintenance requirements, documentation, guidance and oversight to ensure new and upgraded systems continue to ensure peak energy and operational performance.

Equipment and System Start-up

Upon completion of the construction of each measure and with support from the installing contractors, Company will arrange for highly qualified, factory trained personnel to perform pre-check and start-up of all new and upgraded equipment and building systems to ensure factory specific check-out and start-up requirements are adhered to. All required pre-startup systems checkout and startup activities will be properly documented on manufacturer factory provided forms, signed and dated by the respective technician(s).

New and Upgraded System Commissioning

Commissioning is a systematic process of ensuring new and existing equipment and building

systems perform interactively according to the design intent and the owner's operational needs. This is achieved beginning in the design phase by documenting the design intent and continuing through construction, acceptance, and the warranty period with actual verification of performance, O&M documentation verification, and the training of operating personnel. Company will perform these tasks directly on installed conservation measures and will work with the City Maintenance staff and employees to assure these services are properly provided.

The objectives of the commissioning plan are as follows:

During the design phase:

- As the engineer of record, Company will ensure its design team applies commissioning concepts to the design, e.g., clear and complete design intent documentation is developed and commissioning focused design reviews are conducted.
- Work with all equipment manufacturers and subcontractors to include the same level of commissioning in their equipment information and quotations and ensure that they are prepared to fulfill the requirements of the commissioning plan.

During the construction phase:

- Work with all manufacturers and contractors to ensure that Company's design intent is being met.
- Work to ensure that all equipment documentation is obtained from the contractor and that installation and start-up guidelines are met.
- Work to ensure that the installing contractors follow proper pre-functional testing and functional performance testing procedures and complete all proper documentation.

During the post-construction phase:

- Work with the equipment manufacturers and contractors to ensure that they update and organize all equipment O&M manuals, and provide complete sets to the maintenance staff and others as required.
- Work with the contractors to confirm that they perform thorough step-by-step operational testing of all equipment to ensure that the equipment performs according to the design intent. Company strongly supports facility operations personnel taking part in this process as part of their hands-on training.
- Provide a summary/draft O&M manual on all equipment and discuss the contents of this summary manual at the first training session. Company will participate in these training sessions as an advisor to the contractor and to the City maintenance staff.
- Provide information documented during the commissioning process to the City facilities maintenance department for future reference and ongoing commissioning.

HVAC equipment Test & balance

- In an effort to confirm and document the current performance of the existing HVAC equipment scheduled for replacement and/or retrofit, a qualified test and balance technician will measure and record pertinent information of the existing equipment prior to equipment disconnection and removal.

- To ensure the new equipment is meeting design criteria and operating per manufacturer's ratings and specifications, a qualified test and balance technician will take pertinent measurements and readings of all new equipment after all services to the new equipment has been connected and formal factory start-up of the new equipment has been performed.
- Typical measurements for the both the pre- and post installation will be:
 - General:
 - Equipment manufacturer & model number
 - Equipment nameplate data
 - Equipment configuration
 - Electrical motor information
 - Hydronic (chilled water & hot water):
 - Entering coil water temperature
 - Leaving coil water temperature
 - Coil pressure drop
 - Coil water flow rate
 - Air
 - Return, outside and supply air temperature
 - Return, outside and supply air flow rate
 - Coil pressure drop
- Equipment to be tested (where applicable):
 - Chillers
 - Air handling Units
 - Pumps
 - Fan Coil Units
 - VAV Terminal Units
 - Exhaust Fans
- Test and balance work to be performed as part of this project is intended to be only at the equipment level (where replacement is planned). T&B work included in this project DOES NOT include testing, adjusting balancing of:
 - Existing duct/air distribution systems or ancillary system devices such as control dampers, air volume dampers, splitter dampers, damper actuators, etc.
 - Existing hydronic/piping systems or any system ancillary devices such as balancing valves, control valves, circuit setters, strainers, etc.

Staff and End User Training, Education & Support

To ensure that proper and efficient systems operations are well documented, Company will provide training materials and instructional sessions to appropriate staff and contractors. Our training efforts, which will address the more complex conservation measures installed or influenced, are built on the following core elements:

Communication and Involvement - Effective communications and involvement with the people and organizations that ultimately will be responsible for maintaining, using and operating the new and upgraded systems are part of the training process. By involving staff and subcontractors early in the process, we can ensure City maintenance staff and employees are ready, willing, and able to operate the systems as designed.

Documentation and Manuals - Proper documentation also plays a critical role in the successful project close-out and training. Company will provide close-out manuals that will include test and balance & commissioning reports, engineering and as-built drawings, equipment data sheets, spare parts, equipment and contractor warranties, etc. Long term success of the operation of the more complex measures will be enhanced with guidelines, guidebooks and manuals upon which the staff and subcontractors can rely. Company will provide manuals that will specify operating parameters and procedures to be maintained for optimal savings, O&M requirements, name and contact of vendor, measurements to be made to ascertain operating efficiency and frequency of measurements and start up and shut down procedures.

Hands-on Operator Training Sessions - Providing sets of manuals and operating guidelines will not be enough to ensure the proper maintenance and operation of the equipment we install, modify, or affect. Company advocates actively involving the facility operations and maintenance staff in the commissioning process as the first step in our training and support responsibility. Company will provide classroom style training sessions as necessary and Company will organize demonstrations as appropriate to provide as much meaningful experience to the maintenance and operations staff as possible.

O&M Oversight

Operations and maintenance of the new and affected systems is one of the most important aspects of ensuring continuance of energy savings for the long term. Integrating O&M oversight with other aspects of performance verification not only assures that the systems will operate as intended, but more importantly, helps the system operators and users understand what the design intent is and learn how to improve the operating efficiency of the system as conditions change. This results in the most labor efficient, structured, and cost-effective method of maximizing system performance, while assuring continuous energy savings.

Proper maintenance and operation of the energy systems at the affected City's facilities is vital to ensuring the project benefits are achieved and that new, upgraded and affected equipment and systems operate at maximum efficiency. During the construction period Company will develop a consolidated summary of warranty periods and maintenance requirements for all new equipment, and a schedule for annual, semi-annual, quarterly and monthly O&M work. These activities will be closely coordinated with the City's Facilities Maintenance staff.

O&M activities of affected facilities are currently performed by a combination of City personnel and outside contractors. It is proposed that City personnel will continue to perform routine, emergency, scheduled and non-scheduled maintenance, repair, and replacement of equipment

installed under this project or will employ the services of qualified vendors and contractors to provide these services via new or continuing service agreements.

Finally, to help guarantee a successful O&M process, on an annual basis a representative from Company will meet with City facilities maintenance personnel to review previous O&M activities and documentation and discuss upcoming O&M requirements. Upon completion of the annual O&M review, Company will provide a written report detailing O&M observations and recommendations to the Facilities staff.

The City's designated representatives shall have the right to be present at all commission, start-up and testing events taking place either pursuant to this Schedule, Schedule F, or the Contract and the Company shall provide the City with at least three days advance notice of the planned or scheduled occurrence of the event.

SCHEDULE M

INTERIM PERIOD SAVINGS

The monetized value of the Interim Period savings for each unit of fuel/energy/water saved shall inure entirely to the benefit of the City. Interim Period Savings shall not be counted in any stipulated or measured savings within the Contact year as defined under the terms of this agreement.

Any energy or operational savings and related values that are achieved during the construction period of this Agreement (Interim Period), will be to the credit of the City and shall not be applied to the energy savings being guaranteed by the Company.

APPENDIX B. LIGHTING CM GROUP SPECIFICATIONS

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Sunrise Theater	3RD FL APT.	Theater	Compact Fluorescent - 4	4	1	Exclude existing Compact Fluorescent fixture	2	1	2	52	1564	1095
Sunrise Theater	3RD FL APT.	Theater	Compact Fluorescent	1	6	Exclude existing Compact Fluorescent fixture	0	6	0	16	1564	1564
Sunrise Theater	3RD FL APT.	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	3RD FL APT. RR	Restrooms	Incandescent	1	2	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	2	2	14	3129	3129
Sunrise Theater	3RD FL APT. RR	Restrooms	Incandescent	1	4	Exclude existing Incandescent fixture (Deco & Dressing Room Mirror)	0	4	0	25	3129	2190
Sunrise Theater	3RD FL APT. HALL	Hall / Corridor	Compact Fluorescent	1	7	Exclude existing Compact Fluorescent fixture	0	7	0	16	3650	3650
Sunrise Theater	3RD FL APT. HALL	24/7	Exit LED - Bug EYE	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Sunrise Theater	3RD FL APT. CLOSET	Storage	Incandescent	1	2	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	2	2	14	2607	1825
Sunrise Theater	3RD FL APT. MECH	Elec / Mech	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	1043	730
Sunrise Theater	3RD FL APT. STAIRS	Hall / Corridor	Compact Fluorescent	1	5	Exclude existing Compact Fluorescent fixture	0	5	0	16	3650	3650
Sunrise Theater	3RD FL. APT. STAIRS	24/7	Exit LED - Bug EYE	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	1	Theater	Compact Fluorescent - 4	4	4	Exclude existing Compact Fluorescent fixture	2	4	8	52	1564	1564
Sunrise Theater	1	Theater	Incandescent - Dimming	1	11	Relamp incandescent fixture with LED Par30	1	11	11	21	1564	1564
Sunrise Theater	1	Theater	1x4 Strip - Bar Glass	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	1564	1564
Sunrise Theater	1 MIRROR	Theater	Incandescent	1	1	Exclude existing Incandescent fixture (Deco & Dressing Room Mirror)	0	1	0	25	1564	1564
Sunrise Theater	2	Theater	Compact Fluorescent - 4	4	3	Exclude existing Compact Fluorescent fixture	2	3	6	52	1564	1564
Sunrise Theater	2	Theater	Compact Fluorescent	1	10	Exclude existing Compact Fluorescent fixture	0	10	0	16	1564	1564
Sunrise Theater	3	Theater	Compact Fluorescent - 4	4	3	Exclude existing Compact Fluorescent fixture	2	3	6	52	1564	1564
Sunrise Theater	3	Theater	Compact Fluorescent	1	3	Exclude existing Compact Fluorescent fixture	0	3	0	16	1564	1564
Sunrise Theater	4	Theater	Compact Fluorescent - 4	4	3	Exclude existing Compact Fluorescent fixture	2	3	6	52	1564	1564
Sunrise Theater	4	Theater	Compact Fluorescent	1	4	Exclude existing Compact Fluorescent fixture	0	4	0	16	1564	1564
Sunrise Theater	4	24/7	Exit LED - Bug EYE	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Sunrise Theater	4	Theater	Compact Fluorescent	1	10	Exclude existing Compact Fluorescent fixture	0	10	0	16	1564	1564
Sunrise Theater	5	Theater	Compact Fluorescent	1	1	Exclude existing Compact Fluorescent fixture	0	1	0	16	1564	1564
Sunrise Theater	6	Restrooms	Compact Fluorescent	1	16	Exclude existing Compact Fluorescent fixture	0	16	0	16	3129	3129
Sunrise Theater	6A	Restrooms	Compact Fluorescent	1	1	Exclude existing Compact Fluorescent fixture	0	1	0	16	3129	3129
Sunrise Theater	7	Theater	Compact Fluorescent	1	9	Exclude existing Compact Fluorescent fixture	0	9	0	16	1564	1564
Sunrise Theater	8	Restrooms	Compact Fluorescent	1	11	Exclude existing Compact Fluorescent fixture	0	11	0	16	3129	3129
Sunrise Theater	8A	Restrooms	Compact Fluorescent	1	1	Exclude existing Compact Fluorescent fixture	0	1	0	16	3129	3129
Sunrise Theater	9	Storage	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	2607	2607
Sunrise Theater	10	Storage	Incandescent	1	2	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	2	2	14	2607	2607
Sunrise Theater	3RD FLOOR HAVC	Elec / Mech	1x4 Industrial - T8	2	7	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	7	14	42	1043	1043
Sunrise Theater	3RD FLOOR HAVC	Elec / Mech	Incandescent	1	2	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	2	2	14	1043	1043
Sunrise Theater	3RD FLOOR HAVC	24/7	Exit LED - Bug EYE	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	3RD BALCONY	Theater	Incandescent - Recessed Can	1	35	Relamp incandescent fixture with LED Par38	1	35	35	21	1564	1564
Sunrise Theater	3RD BALCONY	Theater	Incandescent - Dimming	4	2	Relamp incandescent fixture with (4) LED A-19 - Dimming	4	2	8	28	1564	1564
Sunrise Theater	3RD BALCONY	Theater	Incandescent - Wall Mount	1	4	Relamp incandescent fixture with (4) LED A-19 - Dimming	4	4	16	28	1564	1564
Sunrise Theater	3RD BALCONY	24/7	Exit LED Double Face	1	6	Exclude LED Exit Sign	0	6	0	3	8760	8760
Sunrise Theater	3RD BALCONY	Theater	Incandescent	1	3	Relamp incandescent fixture with LED Par30	1	3	3	21	1564	1564
Sunrise Theater	3RD BAL. CONTROL	Theater	Incandescent	1	8	Relamp incandescent fixture with LED Par30	1	8	8	21	1564	1564
Sunrise Theater	3RD BAL. STORAGE	Theater	Incandescent	1	2	Relamp Incandescent fixture with 23w Dimming Compact Fluorescent	1	2	2	23	1564	1564

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Sunrise Theater	3RD BAL. RR	Restrooms	Compact Fluorescent	1	4	Exclude existing Compact Fluorescent fixture	0	4	0	16	3129	3129
Sunrise Theater	11	Hall / Corridor	Compact Fluorescent	1	6	Exclude existing Compact Fluorescent fixture	0	6	0	16	3650	3650
Sunrise Theater	11	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Sunrise Theater	12	Hall / Corridor	Compact Fluorescent	1	5	Exclude existing Compact Fluorescent fixture	0	5	0	16	3650	3650
Sunrise Theater	12	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	13	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Sunrise Theater	13	Hall / Corridor	Compact Fluorescent - 4	4	3	Exclude existing Compact Fluorescent fixture	2	3	6	52	3650	3650
Sunrise Theater	14	Restrooms	Compact Fluorescent	1	12	Exclude existing Compact Fluorescent fixture	0	12	0	16	3129	3129
Sunrise Theater	15	Restrooms	Compact Fluorescent	1	14	Exclude existing Compact Fluorescent fixture	0	14	0	16	3129	3129
Sunrise Theater	16	Hall / Corridor	Compact Fluorescent	1	3	Exclude existing Compact Fluorescent fixture	0	3	0	16	3650	3650
Sunrise Theater	16	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	17	Elec / Mech	1x4 Industrial - T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	1043	730
Sunrise Theater	18	Hall / Corridor	Compact Fluorescent - 4	4	3	Exclude existing Compact Fluorescent fixture	2	3	6	52	3650	3650
Sunrise Theater	18	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	19 (MIRROR)	Theater	Incandescent	1	78	Exclude existing Incandescent fixture (Deco & Dressing Room Mirror)	0	78	0	25	1564	1564
Sunrise Theater	19	Theater	1x4 Industrial - T8	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	1564	1564
Sunrise Theater	20	Storage	1x4 Industrial - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	1825
Sunrise Theater	21	Elec / Mech	1X4 Wrap - T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	1043	730
Sunrise Theater	22	Theater	Compact Fluorescent	1	0	Exclude existing Compact Fluorescent fixture	0	0	0	16	1564	1564
Sunrise Theater	23	Theater	1x4 Industrial - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1564	1095
Sunrise Theater	24	Admin / Offices	1x4 Industrial - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	2607
Sunrise Theater	25	Admin / Offices	1x4 Industrial - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	1825
Sunrise Theater	26	Admin / Offices	Compact Fluorescent	3	1	Exclude existing Compact Fluorescent fixture	3	1	3	39	2607	2607
Sunrise Theater	27	Admin / Offices	Compact Fluorescent	3	1	Exclude existing Compact Fluorescent fixture	3	1	3	39	2607	2607
Sunrise Theater	28	Admin / Offices	Compact Fluorescent	3	1	Exclude existing Compact Fluorescent fixture	3	1	3	39	2607	2607
Sunrise Theater	30	Admin / Offices	Compact Fluorescent	1	6	Exclude existing Compact Fluorescent fixture	0	6	0	16	2607	1825
Sunrise Theater	29	Open Office Area	Compact Fluorescent - 4	4	3	Exclude existing Compact Fluorescent fixture	2	3	6	52	2607	2607
Sunrise Theater	29	Open Office Area	Compact Fluorescent	1	4	Exclude existing Compact Fluorescent fixture	0	4	0	16	2607	2607
Sunrise Theater	29	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Sunrise Theater	31	Admin / Offices	Compact Fluorescent - 4	4	1	Exclude existing Compact Fluorescent fixture	2	1	2	52	2607	2607
Sunrise Theater	32	Open Office Area	Compact Fluorescent - 4	4	6	Exclude existing Compact Fluorescent fixture	2	6	12	52	2607	2607
Sunrise Theater	32	Open Office Area	Compact Fluorescent	1	12	Exclude existing Compact Fluorescent fixture	0	12	0	16	2607	2607
Sunrise Theater	32	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	33	Hall / Corridor	Compact Fluorescent - 4	4	1	Exclude existing Compact Fluorescent fixture	2	1	2	52	3650	3650
Sunrise Theater	33	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	34	Break Room	Compact Fluorescent	1	6	Exclude existing Compact Fluorescent fixture	0	6	0	16	3650	2555
Sunrise Theater	35	Storage	Compact Fluorescent	1	2	Exclude existing Compact Fluorescent fixture	0	2	0	16	2607	1825
Sunrise Theater	37	Theater	1X4 Strip - T8	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	1564	1564
Sunrise Theater	37	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Sunrise Theater	38	Theater	1X4 Strip - T8	2	19	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	19	38	42	1564	1564
Sunrise Theater	38	24/7	Exit LED Double Face	1	3	Exclude LED Exit Sign	0	3	0	3	8760	8760

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Sunrise Theater	39	Elec / Mech	1X4 Strip - T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	1043	1043
Sunrise Theater	40	Elec / Mech	1X4 Strip - T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	1043	1043
Sunrise Theater	41	Theater	Compact Fluorecent	1	1	Exclude existing Compact Fluorescent fixture	0	1	0	16	1564	1564
Sunrise Theater	42	Elec / Mech	1X4 Wrap - T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	1043	1043
Sunrise Theater	43	Theater	Compact Fluorecent	1	8	Exclude existing Compact Fluorescent fixture	0	8	0	16	1564	1095
Sunrise Theater	45	Theater	1X4 Wrap - T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	1564	1564
Sunrise Theater	45	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Sunrise Theater	46	Theater	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1564	1564
Sunrise Theater	47	Theater	1X4 Wrap - T8	2	14	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	14	28	42	1564	1564
Sunrise Theater	47	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	6132
Sunrise Theater	48	Theater	1X4 Wrap - T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	1564	1564
Sunrise Theater	48	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	6132
Sunrise Theater	49	Avg	1X4 Strip - T8	2	19	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	19	38	42	4380	4380
Sunrise Theater	49	24/7	Exit LED Double Face	1	4	Exclude LED Exit Sign	0	4	0	3	8760	8760
Sunrise Theater	50 ELV. RM	Elec / Mech	1X4 Strip - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	1043	1043
Sunrise Theater	51	Theater	1X4 Wrap - T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	1564	1564
Sunrise Theater	52	Restrooms	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	3129
Sunrise Theater	53	Storage	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	2607
Sunrise Theater	54	Admin / Offices	1X4 Wrap - T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	2607
Sunrise Theater	54	Theater	Compact Fluorecent	1	1	Exclude existing Compact Fluorescent fixture	0	1	0	16	1564	1564
Sunrise Theater	55	Theater	1X4 Strip - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1564	1564
Sunrise Theater	55	24/7	Exit LED - Bug EYE	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	56	Theater	1X4 Strip - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1564	1564
Sunrise Theater	56	Theater	1x2 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Elec. Ballast	2	1	2	26	1564	1564
Sunrise Theater	56	Theater	1x4 Vanity - T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	1564	1564
Sunrise Theater	57	Theater	2x4 Rec. Parabolic - T8	3	5	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	5	10	48	1564	1095
Sunrise Theater	57	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	58	Theater	2x4 Rec. Parabolic - T8	3	3	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	3	6	48	1564	1564
Sunrise Theater	58	Theater	Incandescent	1	78	Exclude existing Incandescent fixture (Deco & Dressing Room Mirror)	0	78	0	25	1564	1564
Sunrise Theater	58A	Theater	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1564	1095
Sunrise Theater	58A	Theater	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	1564	1095
Sunrise Theater	59	Theater	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	1564	1564
Sunrise Theater	59	Theater	Incandescent	1	18	Exclude existing Incandescent fixture (Deco & Dressing Room Mirror)	0	18	0	25	1564	1564
Sunrise Theater	59A	Theater	Compact Fluorecent	1	0	Exclude existing Compact Fluorescent fixture	0	0	0	16	1564	1564
Sunrise Theater	60	Theater	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	1564	1564
Sunrise Theater	60	Theater	Incandescent	1	1	Exclude existing Incandescent fixture (Deco & Dressing Room Mirror)	0	1	0	25	1564	1564
Sunrise Theater	61	Theater	2x4 Rec. Parabolic - T8	3	3	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	3	6	48	1564	1095
Sunrise Theater	61	Theater	Compact Fluorecent	1	1	Exclude existing Compact Fluorescent fixture	0	1	0	16	1564	1564
Sunrise Theater	61	Theater	Incandescent	1	55	Exclude existing Incandescent fixture (Deco & Dressing Room Mirror)	0	55	0	25	1564	1564
Sunrise Theater	61A	Theater	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1564	1095
Sunrise Theater	61A	Theater	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	1564	1564

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Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Sunrise Theater	CATWALK	Elec / Mech	1X4 Strip - T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	1043	1043
Sunrise Theater	62	Theater	Incandescent - China Hat Dim	1	38	Relamp incandescent fixture with LED Par38	1	38	38	21	1564	1564
Sunrise Theater	62	Theater	Incandescent	1	16	Exclude existing Incandescent fixture (Deco & Dressing Room Mirror)	0	16	0	25	1564	1564
Sunrise Theater	62	Theater	Exit LED Double Face	1	3	Exclude LED Exit Sign	0	3	0	3	1564	1564
Sunrise Theater	63	Theater	Compact Fluorecent	1	2	Exclude existing Compact Fluorescent fixture	0	2	0	23	1564	1564
Sunrise Theater	63	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	63	Theater	Incandescent	1	4	Relamp incandescent fixture with LED MR16	1	4	4	10	1564	1564
Sunrise Theater	64	Theater	Incandescent - Recessed Can	1	14	Relamp incandescent fixture with LED Par38	1	14	14	21	1564	1564
Sunrise Theater	64	Theater	Incandescent	2	1	Relamp incandescent fixture with (4) LED A-19 - Dimming	4	1	4	28	1564	1564
Sunrise Theater	63A	Theater	Incandescent - Recessed Can	1	4	Relamp incandescent fixture with LED Par38	1	4	4	21	1564	1564
Sunrise Theater	63A	Theater	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	1564	1564
Sunrise Theater	65	Elec / Mech	1X4 Strip - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	1043	1043
Sunrise Theater	66	Elec / Mech	1X4 Strip - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1043	1043
Sunrise Theater	67	Elec / Mech	1X4 Strip - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	1043	1043
Sunrise Theater	68	Theater	Compact Fluorecent	1	34	Exclude existing Compact Fluorescent fixture	0	34	0	16	1564	1564
Sunrise Theater	68	Theater	Compact Fluorecent - 4	4	5	Exclude existing Compact Fluorescent fixture	2	5	10	52	1564	1564
Sunrise Theater	68	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Sunrise Theater	69	Admin / Offices	Compact Fluorecent	1	6	Exclude existing Compact Fluorescent fixture	0	6	0	16	2607	1825
Sunrise Theater	70	Admin / Offices	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
Sunrise Theater	72	Storage	Incandescent	1	2	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	2	2	14	2607	1825
Sunrise Theater	72A	Exterior	Incandescent	1	2	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	2	2	14	4380	4380
Sunrise Theater	72B	Admin / Offices	1X4 Strip - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	2607
Sunrise Theater	72C	Storage	1X4 Strip - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	2607
Sunrise Theater	71	Theater	1x4 Strip - T8	1	9	Relamp & Reballast 1x4 Strip/Industrial fixture with (1) T8 lamp and LP Elec. Ballast	1	9	9	22	1564	1564
Sunrise Theater	71	Theater	Compact Fluorecent	1	10	Exclude existing Compact Fluorescent fixture	0	10	0	16	1564	1564
Sunrise Theater	73	Theater	Compact Fluorecent	1	11	Exclude existing Compact Fluorescent fixture	0	11	0	16	1564	1564
Sunrise Theater	73	Theater	Compact Fluorecent - 4	4	2	Exclude existing Compact Fluorescent fixture	2	2	4	52	1564	1564
Sunrise Theater	73	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Sunrise Theater	73	Theater	Compact Fluorecent	1	3	Exclude existing Compact Fluorescent fixture	0	3	0	16	1564	1564
Sunrise Theater	DUNGEON	Theater	1X4 Strip - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1564	1564
Sunrise Theater	74	Theater	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	1564	1095
Sunrise Theater	75	Theater	Incandescent - Recessed Can	1	9	Relamp incandescent fixture with LED Par30	1	9	9	21	1564	1564
Sunrise Theater	75	Theater	Incandescent - Dimming	4	3	Relamp incandescent fixture with (4) LED A-19 - Dimming	4	3	12	28	1564	1564
Sunrise Theater	75	24/7	Exit LED - Bug EYE	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Sunrise Theater	76 WRR	Restrooms	Compact Fluorecent	1	17	Exclude existing Compact Fluorescent fixture	0	17	0	16	3129	3129
Sunrise Theater	76 WRR	Restrooms	Compact Fluorecent	1	1	Exclude existing Compact Fluorescent fixture	0	1	0	16	3129	3129
Sunrise Theater	77 MRR	Restrooms	Compact Fluorecent	1	13	Exclude existing Compact Fluorescent fixture	0	13	0	16	3129	3129
Sunrise Theater	77A MRR	Restrooms	Compact Fluorecent	1	1	Exclude existing Compact Fluorescent fixture	0	1	0	16	3129	3129
Sunrise Theater	LOW SEATING	Theater	Incandescent - Recessed Can	1	42	Relamp incandescent fixture with LED Par38	1	42	42	21	1564	1564
Sunrise Theater	LOW SEATING	Theater	Incandescent - Wall Mount	1	10	Relamp incandescent fixture with (4) LED A-19 - Dimming	4	10	40	28	1564	1564
Sunrise Theater	CONTROL	Theater	Incandescent	1	6	Relamp incandescent fixture with LED Par30	1	6	6	21	1564	1564

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Sunrise Theater	CONTROL	24/7	Exit LED Double Face	1	3	Exclude LED Exit Sign	0	3	0	3	8760	8760
Sunrise Theater	STAGE	Theater	Quartz Flood	1	4	Replace fixture with 100w Induction Flood	1	4	4	100	1564	1564
Sunrise Theater	STAGE	Theater	Incandescent	1	2	Replace fixture with 100w Induction Flood	1	1	1	100	1564	1564
Sunrise Theater	HIGH SEATING	Theater	Incandescent - Recessed Can	1	40	Exclude incandescent PAR56 fixture	0	40	0	500	1564	1564
Sunrise Theater	HIGH SEATING	Theater	Incandescent - Dimming	4	4	Relamp incandescent fixture with (4) LED A-19 - Dimming	4	4	16	28	1564	1564
Sunrise Theater	76	Theater	Compact Fluorecent	1	14	Exclude existing Compact Fluorecent fixture	0	14	0	16	1564	1564
Sunrise Theater	76	Theater	Compact Fluorecent	1	4	Exclude existing Compact Fluorecent fixture	0	4	0	16	1564	1564
Sunrise Theater	76	24/7	Exit LED Double Face	1	3	Exclude LED Exit Sign	0	3	0	3	8760	8760
Sunrise Theater	Exterior	Exterior	HID HPS - Wall Pack	1	10	Replace fixture with 80w Induction Wall Pack fixture	1	10	10	84	4380	4380
Marina Dock Master	GIFT SHOP	Marina Dock Master Bldg	1X4 Wrap - T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	4171	4171
Marina Dock Master	GIFT SHOP	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Marina Dock Master	GIFT SHOP	24/7	Exit LED - Bug EYE	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Marina Dock Master	COUNTER	Marina Dock Master Bldg	Incandescent	1	4	Relamp incandescent fixture with LED MR16	1	4	4	10	4171	4171
Marina Dock Master	1ST AID	Marina Dock Master Bldg	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	4171	2920
Marina Dock Master	RR	Restrooms	Compact Fluorecent	3	1	Exclude existing Compact Fluorecent fixture	3	1	3	39	3129	3129
Marina Dock Master	EAST WEST YACHTS	Marina Dock Master Bldg	1X4 Wrap	4	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	2920
Marina Dock Master	HALL	24/7	Exit Inc. Double Face	2	1	Replace fixture with NEW LED Exit Sign - Battery Back Up	0	1	0	3	8760	8760
Marina Dock Master	CLOSET	Storage	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	2607	2607
Marina Dock Master	HALL	Hall / Corridor	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3650	3650
Marina Dock Master	HALL	Hall / Corridor	Compact Fluorecent	1	2	Exclude existing Compact Fluorecent fixture	0	2	0	16	3650	3650
Marina Dock Master	RR	Restrooms	Compact Fluorecent	1	1	Exclude existing Compact Fluorecent fixture	0	1	0	16	3129	3129
Marina Dock Master	TIKI OFFICE	Admin / Offices	1X4 Wrap - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
Marina Dock Master	TIKI OFFICE	Admin / Offices	1X2 Wrap	2	1	Relamp & Reballast fixture with (2) 2" T8 lamps and Elec. Ballast	2	1	2	26	2607	2607
Marina Dock Master	SUITE 5	Marina Dock Master Bldg	1X4 Wrap - T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Marina Dock Master	MARINA OFFICE	Marina Dock Master Bldg	1X4 Wrap - T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Marina Dock Master	HALL	Hall / Corridor	Compact Fluorecent	1	2	Exclude existing Compact Fluorecent fixture	0	2	0	16	3650	3650
Marina Dock Master	OFFICE 1	Admin / Offices	Compact Fluorecent	1	2	Exclude existing Compact Fluorecent fixture	0	2	0	16	2607	2607
Marina Dock Master	PR	Restrooms	Compact Fluorecent	3	1	Exclude existing Compact Fluorecent fixture	3	1	3	39	3129	3129
Marina Dock Master	KITCHEN	Open Office Area	1X4 Wrap	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	2607
Marina Dock Master	OPEN	Open Office Area	Compact Fluorecent	1	8	Exclude existing Compact Fluorecent	0	8	0	15	2607	2607
Marina Dock Master	OPEN	Open Office Area	Compact Fluorecent	3	1	Exclude existing Compact Fluorecent fixture	3	1	3	39	2607	2607
Marina Dock Master	COUNTER	Open Office Area	Compact Fluorecent	1	2	Exclude existing Compact Fluorecent	0	2	0	15	2607	2607
Marina Dock Master	EXTERIOR SMIE/WALK	Exterior	Compact Fluorecent	1	6	Exclude existing Compact Fluorecent fixture	0	6	0	16	4380	4380
Marina Dock Master	EXTERIOR SMIE/WALK	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Marina Dock Master	EXTERIOR	Exterior	Incandescent - Flood (2x)	2	1	Relamp Incandescent fixture with (1) 23w Par38 compact Fluorescent	1	1	1	23	4380	4380
Marina Dock Master	MAINTENANCE ROOM	Marina Dock Master Bldg	1X4 Wrap - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	2920
Marina Dock Master	LAUNDRY	Open Office Area	1x4 Wrap - T8	4	2	Relamp & Reballast fixture with (4) 28wT8 lamps and LP Elec. Ballast	4	2	8	96	2607	1825
Marina Dock Master	SHOWERS	Restrooms	1x4 Wrap - T8	4	1	Relamp & Reballast fixture with (4) 28wT8 lamps and LP Elec. Ballast	4	1	4	96	3129	2190
Marina Dock Master	SHOWERS	Restrooms	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	2190
Marina Dock Master	RR	Restrooms	1X4 Wrap - T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	3129	2190
Marina Dock Master	RR	Restrooms	Compact Fluorecent	3	1	Exclude existing Compact Fluorecent fixture	3	1	3	39	3129	2190

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Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Marina Dock Master	RR	Restrooms	Compact Fluorescent	1	2	Exclude existing Compact Fluorescent fixture	0	2	0	16	3129	2190
Marina Dock Master	RR	24/7	Exit CF Double Face	2	1	Replace fixture with NEW LED Exit Sign - Battery Back Up	0	1	0	3	8760	8760
Marina Dock Master	WRR	Restrooms	1X4 Wrap - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	3129	3129
Marina Dock Master	WRR	Restrooms	1x4 Wrap - T8	4	1	Relamp & Reballast fixture with (4) 28wT8 lamps and LP Elec. Ballast	4	1	4	96	3129	3129
Marina Dock Master	WRR	Restrooms	Compact Fluorescent	1	2	Exclude existing Compact Fluorescent fixture	0	2	0	16	3129	3129
Marina Dock Master	WRR	Restrooms	Compact Fluorescent	3	1	Exclude existing Compact Fluorescent fixture	3	1	3	39	3129	3129
Marina Dock Master	REAR ENTRY	Exterior	Compact Fluorescent	1	1	Exclude existing Compact Fluorescent fixture	0	1	0	16	4380	4380
Marina Dock Master	REAR ENTRY	Exterior	Compact Fluorescent	2	1	Exclude existing Compact Fluorescent	0	1	0	15	4380	4380
Marina Dock Master	MRR	Restrooms	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	3129
Marina Dock Master	WRR	Restrooms	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	3129
Marina Dock Master	SIDE HALL	Exterior	Compact Fluorescent	1	2	Exclude existing Compact Fluorescent fixture	0	2	0	16	4380	4380
Marina Dock Master	SIDE HALL	Exterior	Compact Fluorescent	2	1	Exclude existing Compact Fluorescent	0	1	0	15	4380	4380
Marina Dock Master	SUITE 4	Admin / Offices	1x4 Wrap - T8	4	1	Relamp & Reballast fixture with (4) 28wT8 lamps and LP Elec. Ballast	4	1	4	96	2607	2607
Marina Dock Master	SUITE 4	Admin / Offices	1x4 Wrap - T8	4	1	Relamp & Reballast fixture with (4) 28wT8 lamps and LP Elec. Ballast	4	1	4	96	2607	2607
City Hall	120 COUNTER	Open Office Area	1x4 Modular	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	2607	2607
City Hall	101 OPEN	Hall / Corridor	Compact Fluorescent	2	11	Exclude existing Compact Fluorescent fixture	0	11	0	52	3650	3650
City Hall	101 OPEN	Hall / Corridor	Incandescent	1	7	Relamp incandescent fixture with LED MR16	1	7	7	10	3650	3650
City Hall	101 OPEN	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
City Hall	118	Open Office Area	Compact Fluorescent	2	4	Exclude existing Compact Fluorescent fixture	0	4	0	52	2607	2607
City Hall	118	Open Office Area	2x4 Rec. Acrylic T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	2607	2607
City Hall	118	Open Office Area	2X2 Rec. Acrylic - T8	2	1	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	1	2	30	2607	2607
City Hall	118	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
City Hall	117	Admin / Offices	2X4 Rec. Acrylic	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	116	File Room	2X4 Rec. Acrylic	3	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	3129	3129
City Hall	115	Admin / Offices	Compact Fluorescent	2	4	Exclude existing Compact Fluorescent fixture	0	4	0	52	2607	2607
City Hall	115	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	114	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	113	Storage	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	2607
City Hall	111	Break Room	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3650	3650
City Hall	111	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
City Hall	107	Hall / Corridor	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	3650	3650
City Hall	107	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
City Hall	108	Admin / Offices	2X4 Rec. Acrylic	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	1825
City Hall	112	Conference Room	Incandescent	1	8	Relamp incandescent fixture with LED MR16	1	8	8	10	2607	2607
City Hall	112	Conference Room	2X4 Rec. MiniCube	3	3	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	3	6	48	2607	1825
City Hall	104	File Room	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	2190
City Hall	103	Open Office Area	2x4 Rec. Acrylic T8	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	2607	1825
City Hall	103	Open Office Area	Compact Fluorescent	2	4	Exclude existing Compact Fluorescent fixture	0	4	0	52	2607	2607
City Hall	103	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
City Hall	106	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	105	Admin / Offices	Compact Fluorescent	2	4	Exclude existing Compact Fluorescent fixture	0	4	0	52	2607	2607

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
City Hall	105	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	105	Admin / Offices	Compact Fluorescent	2	4	Exclude existing Compact Fluorescent fixture	0	4	0	52	2607	2607
City Hall	122A	Open Office Area	Compact Fluorescent	2	1	Exclude existing Compact Fluorescent fixture	0	1	0	52	2607	2607
City Hall	122A	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
City Hall	122A	Open Office Area	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	122	Open Office Area	2x4 Rec. Acrylic T8	2	8	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	8	16	42	2607	2607
City Hall	122	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
City Hall	123	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	124	Conference Room	2x4 Rec. Acrylic T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	2607	2607
City Hall	124	Conference Room	Incandescent	1	8	Relamp incandescent fixture with LED MR16	1	8	8	10	2607	2607
City Hall	125	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	125	Admin / Offices	Compact Fluorescent	2	4	Exclude existing Compact Fluorescent fixture	0	4	0	32	2607	2607
City Hall	126	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	127	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	128	Open Office Area	2x4 Rec. Acrylic T8	2	8	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	8	16	42	2607	2607
City Hall	128	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
City Hall	130	Storage	1X4 Industrial	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	2607
City Hall	131	Elec / Mech	1X4 Strip	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	1043	1043
City Hall	121	Meeting Room	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	3129	2190
City Hall	SERVER ROOM	Elec / Mech	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1043	1043
City Hall	102	Hall / Corridor	1X4 Cove Strip	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	3650	3650
City Hall	133	Hall / Corridor	Compact Fluorescent	2	1	Exclude existing Compact Fluorescent fixture	0	1	0	32	3650	3650
City Hall	134 MENS	Restrooms	1X4 Cove Strip	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	3129	3129
City Hall	134 WOMENS	Restrooms	1X4 Cove Strip	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	3129	3129
City Hall	135	Hall / Corridor	Compact Fluorescent	2	31	Exclude existing Compact Fluorescent fixture	0	31	0	32	3650	3650
City Hall	135	Hall / Corridor	1X4 Cove Strip	2	15	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	15	30	42	3650	3650
City Hall	135	Hall / Corridor	Compact Fluorescent	1	3	Exclude existing Compact Fluorescent fixture	0	3	0	16	3650	3650
City Hall	135	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
City Hall	135 DISPLAY	Hall / Corridor	Incandescent	1	12	Relamp incandescent fixture with LED MR16	1	12	12	10	3650	3650
City Hall	151	Hall / Corridor	Compact Fluorescent	2	4	Exclude existing Compact Fluorescent fixture	0	4	0	32	3650	3650
City Hall	152	Conference Room	2x4 Rec. MiniCube	3	4	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	4	8	48	2607	1825
City Hall	152	Conference Room	Incandescent	1	10	Relamp incandescent fixture with LED MR16	1	10	10	10	2607	2607
City Hall	147	Admin / Offices	2x4 Rec. Acrylic T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	2607	2607
City Hall	147A	Admin / Offices	2x4 Rec. Acrylic T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	2607	1825
City Hall	142	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	142	Admin / Offices	Compact Fluorescent	2	4	Exclude existing Compact Fluorescent fixture	0	4	0	32	2607	2607
City Hall	143	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	145	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	146	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	140	Break Room	2x4 Rec. Acrylic T8	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	3650	2555
City Hall	149	Open Office Area	2x4 Rec. Acrylic T8	2	20	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	20	40	42	2607	1825

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
City Hall	150	Admin / Offices	2x4 Rec. Acrylic T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	2607	1825
City Hall	148	File Room	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	3129	2190
City Hall	148A	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	137 COUNCIL AREA	Council Chambers	Incandescent - Dimming	1	10	Relamp incandescent fixture with LED MR16	1	10	10	10	3129	3129
City Hall	137 COUNCIL AREA	Council Chambers	Compact Fluorescent	1	10	Exclude existing Compact Fluorescent fixture	0	10	0	16	3129	3129
City Hall	137 COUNCIL AREA	Council Chambers	Incandescent - Dimming	1	10	Relamp incandescent fixture with LED MR16	1	10	10	10	3129	3129
City Hall	137 SEATING	Council Chambers	Incandescent - Dimming	1	16	Relamp incandescent fixture with LED MR16	1	16	16	10	3129	3129
City Hall	137 SEATING	Council Chambers	Incandescent - Quartz Flood	1	22	Retrofit existing fixture with E26 socket and install LED Par38	1	22	22	21	3129	3129
City Hall	137 SEATING	24/7	Exit LED Double Face	1	4	Exclude LED Exit Sign	0	4	0	3	8760	8760
City Hall	137 SINK	Restrooms	1X4 Vanity	1	1	Relamp & Reballast 1x4 Strip/Industrial fixture with (1) T8 lamp and LP Elec. Ballast	1	1	1	22	3129	3129
City Hall	137 SINK	Restrooms	Incandescent	1	1	Relamp incandescent fixture with LED MR16	1	1	1	10	3129	3129
City Hall	137 RR	Restrooms	1X4 Wrap	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	3129	3129
City Hall	137 SERVER	Elec / Mech	Incandescent - Dimming	1	4	Relamp incandescent fixture with LED MR16	1	4	4	10	1043	730
City Hall	137 SERVER	Elec / Mech	2X4 Rec. Acrylic	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1043	730
City Hall	141	Hall / Corridor	Compact Fluorescent	2	1	Exclude existing Compact Fluorescent fixture	0	1	0	32	3650	3650
City Hall	141	Storage	Incandescent - Dimming	1	5	Relamp incandescent fixture with LED MR16	1	5	5	10	2607	1825
City Hall	141	Storage	2X4 Rec. Acrylic	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	1825
City Hall	153	Elec / Mech	1X4 Industrial	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	1043	1043
City Hall	206	Hall / Corridor	Compact Fluorescent	2	8	Exclude existing Compact Fluorescent fixture	0	8	0	52	3650	3650
City Hall	206	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
City Hall	221	Hall / Corridor	2x4 Rec. Acrylic T8	2	7	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	7	14	42	3650	3650
City Hall	221	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
City Hall	218	Admin / Offices	2x4 Rec. Parabolic - T8	3	1	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	1	2	48	2607	2607
City Hall	218	Admin / Offices	2X4 Rec. Parabolic	3	1	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	1	2	48	2607	1825
City Hall	220	Open Office Area	2X4 Rec. Parabolic	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	2607
City Hall	220	Open Office Area	2x4 Rec. Acrylic T8	3	9	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	9	18	48	2607	1825
City Hall	220A	Admin / Offices	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
City Hall	220B	Break Room	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	3650	3650
City Hall	220C	Open Office Area	2x4 Rec. Parabolic - T8	3	6	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	6	12	48	2607	1825
City Hall	222	Break Room	2x4 Rec. Acrylic T8	2	8	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	8	16	42	3650	2555
City Hall	222	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
City Hall	223	Hall / Corridor	2x4 Rec. Acrylic T8	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	3650	3650
City Hall	223	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
City Hall	231A	Admin / Offices	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
City Hall	224	Admin / Offices	2x4 Rec. Acrylic T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	2607	1825
City Hall	231B	Storage	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
City Hall	231C	Conference Room	2x4 Rec. Parabolic - T8	3	5	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	5	10	48	2607	1825
City Hall	225	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	225A	Admin / Offices	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	1825
City Hall	231D	Admin / Offices	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
City Hall	231F	Admin / Offices	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
City Hall	231F	Admin / Offices	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
City Hall	232	Open Office Area	2x4 Rec. Parabolic - T8	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	2607	1825
City Hall	232A	Copy Room	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	3129	2190
City Hall	232B	Admin / Offices	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
City Hall	232C	Storage	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
City Hall	232D	Storage	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
City Hall	237	Open Office Area	2x4 Rec. Acrylic T8	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	2607	1825
City Hall	242	Open Office Area	2x4 Rec. Acrylic T8	2	15	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	15	30	42	2607	1825
City Hall	241	Break Room	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3650	2555
City Hall	243	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	244	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	245	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	248	Conference Room	2x4 Rec. Acrylic T8	3	4	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	4	8	48	2607	1825
City Hall	248A	Conference Room	2x4 Rec. Acrylic T8	3	4	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	4	8	48	2607	1825
City Hall	243A	Open Office Area	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	247	Open Office Area	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	1825
City Hall	246	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	246	Admin / Offices	Compact Fluorescent	2	4	Exclude existing Compact Fluorescent fixture	0	4	0	32	2607	2607
City Hall	246	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	207 PERM.HING CONF	Conference Room	2x4 Rec. Acrylic T8	3	9	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	9	18	48	2607	1825
City Hall	210/272	Open Office Area	2x4 Rec. Acrylic T8	2	16	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	16	32	42	2607	2607
City Hall	213	Open Office Area	2x4 Rec. Acrylic T8	2	9	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	9	18	42	2607	2607
City Hall	214 COUNTER	Open Office Area	2x2 Rec. Acrylic - T8	2	2	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	2	4	30	2607	2607
City Hall	214 COUNTER	Open Office Area	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	2607
City Hall	215A	Admin / Offices	2x4 Rec. Acrylic	4	4	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	4	8	48	2607	1825
City Hall	215B	Admin / Offices	2x4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
City Hall	215C	Admin / Offices	2x4 Rec. MiniCube	3	7	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	7	14	48	2607	1825
City Hall	203 Womens	Restrooms	1x4 Cove Strip	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	3129	3129
City Hall	204 Mens	Restrooms	1x4 Cove Strip	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	3129	3129
City Hall	307	Conference Room	2x4 Rec. MiniCube	3	3	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	3	6	48	2607	1825
City Hall	307	Conference Room	Compact Fluorescent	2	4	Exclude existing Compact Fluorescent fixture	0	4	0	32	2607	2607
City Hall	307	Conference Room	Incandescent - Dimming	1	10	Relamp incandescent fixture with LED MR16	1	10	10	10	2607	2607
City Hall	307A	Storage	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	2607	2607
City Hall	350	Open Office Area	2x4 Rec. Acrylic T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	2607	1825
City Hall	350	Open Office Area	Compact Fluorescent	2	3	Exclude existing Compact Fluorescent fixture	0	3	0	32	2607	2607
City Hall	350	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
City Hall	320	Break Room	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3650	2555
City Hall	308	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	308	Admin / Offices	Compact Fluorescent	2	4	Exclude existing Compact Fluorescent fixture	0	4	0	32	2607	1825
City Hall	309	Admin / Offices	Compact Fluorescent	2	6	Exclude existing Compact Fluorescent fixture	0	6	0	32	2607	1825
City Hall	309	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
City Hall	313	Open Office Area	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	2607
City Hall	310	Copy Room	1X4 Strip	1	2	Relamp & Reballast 1x4 Strip/Industrial fixture with (1) T8 lamp and LP Elec. Ballast	1	2	2	22	3129	2190
City Hall	310	Copy Room	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	3129
City Hall	312	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	317A	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	FOYER	Hall / Corridor	Compact Fluorecent	2	1	Exclude existing Compact Fluorecent fixture	0	1	0	32	3650	3650
City Hall	321	Open Office Area	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	321	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
City Hall	322	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	322	Admin / Offices	Compact Fluorecent	2	0	Exclude existing Compact Fluorecent fixture	0	0	0	32	2607	2607
City Hall	318	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	318	Admin / Offices	Compact Fluorecent	2	4	Exclude existing Compact Fluorecent fixture	0	4	0	32	2607	2607
City Hall	319	File Room	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	3129
City Hall	315	Conference Room	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	1825
City Hall	315	Conference Room	Incandescent	1	10	Relamp incandescent fixture with LED MR16	1	10	10	10	2607	1825
City Hall	317	Open Office Area	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	317A	Admin / Offices	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	2607
City Hall	317B	Open Office Area	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	317B	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
City Hall	323	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	324A	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	324	Admin / Offices	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
City Hall	306	Open Office Area	Compact Fluorecent	2	7	Exclude existing Compact Fluorecent fixture	0	7	0	52	2607	2607
City Hall	306	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
City Hall	339	Elec / Mech	1X4 Industrial	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	1043	1043
City Hall	334	Hall / Corridor	2x4 Rec. Acrylic T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	3650	3650
City Hall	334	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
City Hall	338	Admin / Offices	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	1825
City Hall	340	Break Room	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	3650	2555
City Hall	337	Admin / Offices	2X4 Rec. Parabolic	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
City Hall	337	Admin / Offices	Incandescent	1	8	Relamp incandescent fixture with LED MR16	1	8	8	10	2607	1825
City Hall	336	Admin / Offices	2X4 Rec. Acrylic	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	1825
City Hall	241	File Room	2X4 Rec. Acrylic	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	3129	2190
City Hall	335A	Storage	1X4 Industrial	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	1825
City Hall	335B	Admin / Offices	2x4 Rec. Acrylic T8	3	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
City Hall	335C	Admin / Offices	2x4 Rec. Acrylic T8	3	4	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	4	8	48	2607	1825
City Hall	334	Hall / Corridor	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	3650	3650
City Hall	334	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
City Hall	342 (SERVER)	24/7	2x4 Rec. Acrylic T8	3	7	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	7	14	48	8760	6132
City Hall	342	24/7	2X2 Rec. Acrylic - T8	2	1	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	1	2	30	8760	8760
City Hall	332	Admin / Offices	2x4 Rec. Acrylic T8	3	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
City Hall	332	Admin / Offices	Compact Fluorescent	2	6	Exclude existing Compact Fluorescent fixture	0	6	0	32	2607	1825
City Hall	331	Open Office Area	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
City Hall	320	Hall / Corridor	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	3650	3650
City Hall	320	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
City Hall	330	Admin / Offices	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
City Hall	329	Admin / Offices	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
City Hall	328	Conference Room	2X4 Rec. MiniCube	3	3	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	3	6	48	2607	1825
City Hall	328	Conference Room	Incandescent	1	8	Relamp incandescent fixture with LED MR16	1	8	8	10	2607	2607
City Hall	326	Open Office Area	2x4 Rec. Acrylic T8	2	14	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	14	28	42	2607	1825
City Hall	343	File Room	2X4 Rec. Acrylic	3	4	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	4	8	48	3129	2190
City Hall	344	Admin / Offices	2X4 Rec. Acrylic	4	1	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	1	2	48	2607	1825
City Hall	345	Copy Room	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	2190
City Hall	345	Copy Room	1X4 Strip	1	1	Relamp & Reballast 1x4 Strip/Industrial fixture with (1) T8 lamp and LP Elec. Ballast	1	1	1	22	3129	3129
City Hall	339A	Elec / Mech	1X4 Industrial	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	1043	1043
City Hall	325	Hall / Corridor	Compact Fluorescent	2	8	Exclude existing Compact Fluorescent fixture	0	8	0	32	3650	3650
City Hall	304 Womens	Restrooms	1X4 Cove Strip	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	3129	3129
City Hall	303 Mens	Restrooms	1X4 Cove Strip	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	3129	3129
City Hall	ROTUNDA	Hall / Corridor	HID Metal Halide -	1	4	Retrofit / Replace fixture with 40w Induction	0	4	0	40	3650	3650
City Hall	EXTERIOR - Entrance	Exterior	Incandescent	1	2	Disconnect and install blank cover plate	0	2	0	0	4380	4380
City Hall	EXTERIOR - Entrance	Exterior	Incandescent	1	3	Replace fixture with 40w Induction Wall Pack	1	3	3	40	4380	4380
City Hall	EXTERIOR - Flag Pole	Exterior	Incandescent - Flood	1	2	Replace fixture with 36w LED Flood	1	2	2	36	4380	4380
City Hall	EXTERIOR - Statue	Exterior	Incandescent - Flood	1	4	Retrofit exiting fixture with LED 13w IP65 kit	1	4	4	13	4380	4380
Police Main Station	LOBBY	Open Office Areas	2X2 Rec. Acrylic - T8	2	12	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	12	24	30	8760	8760
Police Main Station	LOBBY	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Police Main Station	MAIN CONF.	Conference / Meeting	2x4 Rec. Acrylic T8	2	12	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	12	24	42	4171	2920
Police Main Station	HALL	Hall / Corridor	2X2 Rec. Acrylic - T8	2	3	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	3	6	30	8760	8760
Police Main Station	HALL	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Police Main Station	117	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	118 CHIEF	Admin / Office	2x4 Rec. Acrylic T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	4171	2920
Police Main Station	HALL	Hall / Corridor	2X2 Rec. Acrylic - T8	2	1	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	1	2	30	8760	8760
Police Main Station	COPY RM	File / Copy Room	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	2920
Police Main Station	120	Admin / Office	2x4 Rec. Acrylic T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	4171	4171
Police Main Station	HALL	Hall / Corridor	2X2 Rec. Acrylic - T8	2	5	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	5	10	30	8760	8760
Police Main Station	HALL	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Police Main Station	124	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	ASB CAPTAIN	Admin / Office	2x4 Rec. Acrylic T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	4171	2920
Police Main Station	ASB CAPTAIN 88	Restrooms	1x4 Vanity - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	8760	6132
Police Main Station	ROSE'S OFFICE	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	LUANN OFFICE 6	Admin / Office	2X2 Rec. Acrylic - T8	2	4	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	4	8	30	4171	2920
Police Main Station	CAPT.OFFICE (7)	Admin / Office	2x4 Rec. Acrylic T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	4171	2920
Police Main Station	HALL	Hall / Corridor	2X2 Rec. Acrylic - T8	2	3	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	3	6	30	8760	8760

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Police Main Station	HALL	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Police Main Station	STORAGE	Storage	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2086	1460
Police Main Station	COMP. RM.	Elec / Mech	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1043	730
Police Main Station	COMP. RM.	Elec / Mech	2X2 Rec. Acrylic - T8	2	1	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	1	2	30	1043	730
Police Main Station	TECH. SERVICES (19)	Open Office Areas	2x4 Rec. Acrylic T8	2	9	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	9	18	42	8760	6132
Police Main Station	TECH.SERV. SERVER	Open Office Areas	2x4 Rec. Acrylic T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	8760	8760
Police Main Station	HALL	Hall / Corridor	2X2 Rec. Acrylic - T8	2	7	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	7	14	30	8760	8760
Police Main Station	HALL	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Police Main Station	PAYROLL (23)	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	CLERK (22)	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	SPENCE (23)	Admin / Office	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	2920
Police Main Station	HALL	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	6132
Police Main Station	HALL	Hall / Corridor	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	8760	6132
Police Main Station	PURCHASING (24)	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	GRANT (25)	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	ELEC. RM	Elec / Mech	1x4 Industrial - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	1043	1043
Police Main Station	MLR AREA 1	Locker Room	2x4 Rec. Acrylic T8	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	8760	8760
Police Main Station	MLR AREA 2	Locker Room	2x4 Rec. Acrylic T8	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	8760	8760
Police Main Station	MLR AREA 3 ?	Locker Room	1x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	8760	8760
Police Main Station	MLR AREA 4	Locker Room	2x4 Rec. Acrylic T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	8760	8760
Police Main Station	MLR AREA 5	Locker Room	2x4 Rec. Acrylic T8	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	8760	8760
Police Main Station	HALL	Hall / Corridor	2X2 Rec. Acrylic - T8	2	9	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	9	18	30	8760	8760
Police Main Station	HALL	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Police Main Station	SUPPLY	Exterior	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4380	3066
Police Main Station	SUPPLY	Exterior	2x4 Rec. Acrylic T8	2	9	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	9	18	42	4380	3066
Police Main Station	MAIL RM	Open Office Areas	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	8760	6132
Police Main Station	ARMORY	Admin / Office	2X4 Surf. Acrylic	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	HALL	Hall / Corridor	2X2 Rec. Acrylic - T8	2	9	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	9	18	30	8760	8760
Police Main Station	HALL	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Police Main Station	CRIME ANALYST	Admin / Office	2x4 Rec. Acrylic T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	4171	2920
Police Main Station	BREAK RM	Break / Dining Area	2x4 Rec. Parabolic - T8	3	8	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	8	16	48	8760	6132
Police Main Station	REPORT RM	Open Office Areas	2x4 Rec. Acrylic T8	2	8	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	8	16	42	8760	6132
Police Main Station	SGT. OFFICE (52)	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	SGT. OFFICE (53)	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	COPY AREA	Conference / Meeting	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	4171
Police Main Station	COPY AREA	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Police Main Station	STORAGE LOCKERS	Storage	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2086	2086
Police Main Station	LOCKERS	Locker Room	2x4 Rec. Acrylic T8	2	9	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	9	18	42	8760	8760
Police Main Station	GYM	Fitness Room	1X4 Wrap - T8	2	9	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	9	18	42	4171	2920
Police Main Station	ROLL CALL	Open Office Areas	2X2 Rec. Acrylic - T8	2	1	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	1	2	30	8760	8760
Police Main Station	ROLL CALL	Open Office Areas	2x4 Rec. Acrylic T8	2	20	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	20	40	42	8760	8760

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Police Main Station	STORAGE	Storage	2X2 Rec. Acrylic - T8	2	1	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	1	2	30	2086	2086
Police Main Station	RECRUITING OFFICE	Admin / Office	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	2920
Police Main Station	LT. OFFICE	Admin / Office	2x4 Rec. Acrylic T8	3	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	4171	2920
Police Main Station	ACCRED. OFFICE	Admin / Office	2x4 Rec. Acrylic T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	4171	2920
Police Main Station	JANITOR CLOSET	Storage	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2086	2086
Police Main Station	DETECTIVE OPEN	Open Office Areas	2x4 Rec. Acrylic T8	2	15	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	15	30	42	8760	6132
Police Main Station	DETECTIVE OPEN	Open Office Areas	2X2 Rec. Acrylic - T8	2	4	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	4	8	30	8760	8760
Police Main Station	DETECTIVE OPEN	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	6132
Police Main Station	INTERVIEW 1	Admin / Office	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	4171
Police Main Station	INTERVIEW 2	Admin / Office	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	4171
Police Main Station	CAMERA RM.	Admin / Office	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	4171	2920
Police Main Station	OPEN 2	Open Office Areas	2x4 Rec. Acrylic T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	8760	6132
Police Main Station	LT. DET.	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	CS LAB	Open Office Areas	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	8760	6132
Police Main Station	CS LAB 2	Open Office Areas	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	8760	6132
Police Main Station	CS OFFICE	Admin / Office	2x4 Rec. Acrylic T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	4171	2920
Police Main Station	DET. OFFICE 139	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	DET. OFFICE 138	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	VOLUNTEERS	Admin / Office	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	4171	2920
Police Main Station	FINGER PRINT	Admin / Office	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	4171	2920
Police Main Station	RECORDS OPEN	Open Office Areas	2x4 Rec. Acrylic T8	2	20	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	20	40	42	8760	6132
Police Main Station	FILE SHELVES	Open Office Areas	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	8760	8760
Police Main Station	OFFICE (12)	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	PIO (11)	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	ASB SGT.	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920
Police Main Station	INFORMATION	Admin / Office	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	2920
Police Main Station	HALL	Hall / Corridor	2X2 Rec. Acrylic - T8	2	9	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	9	18	30	8760	8760
Police Main Station	HALL	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Police Main Station	MENS RR SINK	Restrooms	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	8760	6132
Police Main Station	MENS RR TOILET	Restrooms	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	8760	8760
Police Main Station	WOMENS RR SINK	Restrooms	2x4 Rec. Acrylic T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	8760	8760
Police Main Station	WOMENS RR TOILET	Restrooms	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	8760	8760
Police Main Station	SSPACE	Admin / Office	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	2920
Police Main Station	NEWSROOM	Admin / Office	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	2920
Police Main Station	EVIDENCE LOCKER	Open Office Areas	2x4 Rec. Acrylic T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	8760	8760
Police Main Station	EVIDENCE ?	Open Office Areas	2x4 Rec. Acrylic T8	2	22	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	22	44	42	8760	6132
Police Main Station	EVIDENCE OFFICE	Open Office Areas	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	8760	6132
Police Main Station	EVIDENCE STORAGE	Open Office Areas	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	8760	8760
Police Main Station	EVIDENCE STORAGE 2	Open Office Areas	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	8760	8760
Police Main Station	EVIDENCE VAULT	Open Office Areas	2X4 Surf. Acrylic	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	8760	8760
Police Main Station	VICTIM SEVS.SUPPLY	Admin / Office	2x4 Rec. Acrylic T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4171	2920

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Police Main Station	FRONT ENTRY	Exterior	HID Metal Halide -	1	6	Replace fixture with 40w Induction Wall Pack	1	6	6	40	4380	4380
Police Main Station	BLDG. EVE	Exterior	Incandescent	1	16	Replace fixture with 40w Induction Wall Pack	1	16	16	40	4380	4380
Police Main Station	BLDG. EVE	Exterior	Incandescent	1	16	Disconnect and install blank cover plate	0	16	0	0	4380	4380
Police Main Station	POST	Exterior	HID HPS - Shoebox	1	20	Replace fixture with 200w Induction Spider Mount w/surge protection	1	20	20	210	4380	4380
Police Main Station	POST	Exterior	HID HPS - Flood	1	4	Replace fixture with 200w Induction Flood w/surge protection	1	4	4	210	4380	4380
Police Main Station	CARWASH	Exterior	1x4 Vapor Tight - T8	2	5	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	5	10	42	4380	4380
Police Main Station	SWAT	Exterior	Quartz Flood	1	1	Replace fixture with 40w Induction Flood	1	1	1	40	4380	4380
Police Main Station	GEN. BLDG.	Exterior	1x4 Vapor Tight - T8	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	4380	4380
Police Main Station	GEN. BLDG.	Exterior	HID HPS - Wall Pack	1	3	Replace fixture with 80w Induction Wall Pack fixture	1	3	3	84	4380	4380
Police Main Station	FLAGPOLE	Exterior	Incandescent	1	1	Replace fixture with LED flood/spot	2	1	2	0	4380	4380
PAL Park	ENTRY HALL	Hall / Corridor	1X4 Wrap - T8	2	3	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	3	6	42	3650	3650
PAL Park	ENTRY HALL	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
PAL Park	TECH. RM.	Open Office Area	1X4 Wrap - T8	2	12	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	12	24	42	2607	2607
PAL Park	TECH RM. 2	Open Office Area	1X4 Wrap - T8	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	2607	2607
PAL Park	GYM FLOOR	Gym Area	Fluorescent	4	20	Exclude existing T5 HB	0	20	0	236	4693	4693
PAL Park	GYM FLOOR	24/7	Exit LED - Bug EYE	1	3	Exclude LED Exit Sign	0	3	0	3	8760	8760
PAL Park	WRR	Restrooms	1X2 Wrap	2	1	Relamp & Reballast fixture with (2) 2' T8 lamps and Elec. Ballast	2	1	2	26	3129	3129
PAL Park	WRR	Restrooms	1X4 Wrap - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	3129	3129
PAL Park	LOFT	Storage	Incandescent	1	4	Relamp Incandescent fixture with (1) 23 Compact Fluorescent Spiral	1	4	4	23	2607	2607
PAL Park	MRR	Restrooms	1X4 Wrap - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	3129	3129
PAL Park	PRIVATE RR	Restrooms	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	3129
PAL Park	KITCHEN	Kitchen Area	1X4 Wrap - T8	2	10	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	10	20	42	2607	2607
PAL Park	RECREATION	Admin / Offices	1X4 Wrap - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
PAL Park	OFFICE	Admin / Offices	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	1825
PAL Park	OFFICE	Admin / Offices	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	1825
PAL Park	BOXING AREA	Open Office Area	1x8 Strip - T8	2	18	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	18	72	84	2607	1825
PAL Park	STORAGE	Storage	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	2607
PAL Park	RR	Restrooms	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	3129
PAL Park	RR	Restrooms	1X4 Wrap - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	3129	3129
PAL Park	EXTERIOR	Exterior	HID HPS - Wall Pack	1	10	Replace fixture with 80w Induction Wall Pack fixture	1	10	10	84	4380	4380
PAL Park	EXTERIOR	Exterior	Compact Fluorecent	2	6	Exclude existing Compact Fluorescent fixture	0	6	0	52	4380	4380
Police Substation Ave D	2ND FL LANDING	Hall / Corridor	Compact Fluorecent	2	8	Exclude existing Compact Fluorescent fixture	0	8	0	32	3650	3650
Police Substation Ave D	O21	Elec / Mech	1X4 Strip - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1043	730
Police Substation Ave D	O28	Hall / Corridor	2X2 Rec. Acrylic - T8	2	3	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	3	6	30	3650	3650
Police Substation Ave D	STAFF RR	Restrooms	2x4 Rec. Acrylic T8	3	1	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	1	2	48	3129	2190
Police Substation Ave D	OFFICE 1	Admin / Offices	2x4 Rec. Acrylic T8	3	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
Police Substation Ave D	OFFICE 2	Admin / Offices	2x4 Rec. Acrylic T8	3	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
Police Substation Ave D	OFFICE 3	Admin / Offices	2x4 Rec. Acrylic T8	3	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
Police Substation Ave D	CAPT. KIRK	Admin / Offices	2x4 Rec. Acrylic T8	4	4	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	4	8	48	2607	2607
Police Substation Ave D	O13	Elec / Mech	1X4 Strip - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1043	730
Police Substation Ave D	O14	Storage	2x4 Rec. Acrylic T8	3	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Police Substation Ave D	MRR	Restrooms	2x4 Rec. Acrylic T8	3	1	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	1	2	48	3129	2190
Police Substation Ave D	OO4	Admin / Offices	2x4 Rec. Acrylic T8	3	4	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	4	8	48	2607	1825
Police Substation Ave D	OO3	Admin / Offices	2x4 Rec. Acrylic T8	3	3	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	3	6	48	2607	1825
Police Substation Ave D	WRR	Restrooms	2x4 Rec. Acrylic T8	3	1	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	1	2	48	3129	2190
Police Substation Ave D	O18	Elec / Mech	1X4 Strip - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	1043	1043
Police Substation Ave D	LOW LOBBY	Hall / Corridor	2X2 Rec. Acrylic - T8	2	4	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	4	8	30	3650	3650
Police Substation Ave D	LOW LOBBY	Hall / Corridor	Compact Fluorecent	2	6	Exclude existing Compact Fluorescent fixture	0	6	0	32	3650	3650
Police Substation Ave D	HIGH LOBBY	Hall / Corridor	2X2 Rec. Acrylic - T8	2	12	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	12	24	30	3650	2555
Police Substation Ave D	HIGH LOBBY	Hall / Corridor	Compact Fluorecent	1	7	Exclude existing Compact Fluorescent fixture	0	7	0	16	3650	3650
Police Substation Ave D	HIGH LOBBY	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Police Substation Ave D	O20	Elec / Mech	1X4 Strip - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1043	1043
Police Substation Ave D	O32	Open Office Area	2x4 Rec. Acrylic T8	3	9	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	9	18	48	2607	2607
Police Substation Ave D	O32	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Police Substation Ave D	O33	Elec / Mech	Compact Fluorecent	1	1	Exclude existing Compact Fluorescent fixture	0	1	0	16	1043	1043
Police Substation Ave D	RR	Restrooms	2x4 Rec. Acrylic T8	3	1	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	1	2	48	3129	2190
Police Substation Ave D	O10	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Police Substation Ave D	O10	Hall / Corridor	2X2 Rec. Acrylic - T8	2	1	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	1	2	30	3650	3650
Police Substation Ave D	OO5	MultiPurpose	2x4 Rec. Acrylic T8	3	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
Police Substation Ave D	OO6	Open Office Area	2X2 Rec. Acrylic - T8	2	8	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	8	16	30	2607	1825
Police Substation Ave D	OO7	Storage	Compact Fluorecent	2	1	Exclude existing Compact Fluorescent fixture	0	1	0	32	2607	2607
Police Substation Ave D	OO6	Exterior	Compact Fluorecent	2	1	Exclude existing Compact Fluorescent fixture	0	1	0	32	4380	4380
Police Substation Ave D	MENS LOCKER	Restrooms	2x4 Rec. Acrylic T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	3129	3129
Police Substation Ave D	MENS LOCKER	Restrooms	Compact Fluorecent	2	3	Exclude existing Compact Fluorescent fixture	0	3	0	32	3129	3129
Police Substation Ave D	WOMENS LOCKER	Restrooms	2x4 Rec. Acrylic T8	3	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	3129	3129
Police Substation Ave D	WOMENS LOCKER	Restrooms	Compact Fluorecent	1	4	Exclude existing Compact Fluorescent fixture	0	4	0	16	3129	3129
Police Substation Ave D	EXTERIOR	Exterior	Compact Fluorecent	1	12	Exclude existing Compact Fluorescent fixture	0	12	0	16	4380	4380
Public Works Compound - Facilities Division	ENTRY	Hall / Corridor	2x4 Rec. Parabolic - T8	3	5	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	5	10	48	3650	2555
Public Works Compound - Facilities Division	ENTRY	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Public Works Compound - Facilities Division	BREAK ROOM	Break Room	2X4 Rec. Parabolic	4	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	3650	2555
Public Works Compound - Facilities Division	RESTROOM	Restrooms	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	3129	2190
Public Works Compound - Facilities Division	DAVID WILLIAMS	Admin / Offices	2x4 Rec. Parabolic - T8	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	2607	1825
Public Works Compound - Facilities Division	CUBICLE AREA	Open Office Area	2x4 Rec. Parabolic - T8	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	2607	1825
Public Works Compound - Facilities Division	JT MCFARLAND	Admin / Offices	2x4 Rec. Parabolic - T8	3	8	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	8	16	48	2607	1825
Public Works Compound - Facilities Division	JT MCFARLAND	Admin / Offices	Incandescent	1	3	Relamp Incandescent fixture with (1) 23 Compact Fluorescent Spiral	1	3	3	23	2607	2607
Public Works Compound - Facilities Division	JT RESTROOM	Restrooms	Incandescent	1	1	Relamp Incandescent fixture with (1) 23 Compact Fluorescent Spiral	1	1	1	23	3129	2190
Public Works Compound - Facilities Division	STORAGE	Storage	1X4 Industrial	2	11	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	11	22	42	2607	1825
Public Works Compound - Facilities Division	STORAGE	Storage	2X4 Surf. Acrylic	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	2607	2607
Public Works Compound - Facilities Division	RESTROOM	Restrooms	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	3129	3129
Public Works Compound - Facilities Division	SHOP 1	Shop Area	1X8 Strip	2	2	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	2	8	84	3129	2190
Public Works Compound - Facilities Division	SHOP 2	Shop Area	1X8 Strip	2	5	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	5	20	84	3129	2190
Public Works Compound - Facilities Division	SHOP 3	Shop Area	1X8 Strip	2	2	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	2	8	84	3129	2190

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Public Works Compound - Facilities Division	SHOP 4	Shop Area	1X8 Strip	2	16	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	16	64	84	3129	2190
Public Works Compound - Facilities Division	OFFICES	Admin / Offices	1X4 Strip	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	2607
Public Works Compound - Facilities Division	OFFICES	Admin / Offices	1X4 Strip	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	2607
Public Works Compound - Parks & Grounds	ENTRY	Hall / Corridor	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	3650	2555
Public Works Compound - Parks & Grounds	ENTRY	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Public Works Compound - Parks & Grounds	LOCKERS	Open Office Area	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
Public Works Compound - Parks & Grounds	TRAINING ROOM	Open Office Area	2x4 Rec. Parabolic - T8	3	12	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	12	24	48	2607	1825
Public Works Compound - Parks & Grounds	RR SINK	Restrooms	2x4 Rec. Parabolic - T8	3	1	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	1	2	48	3129	2190
Public Works Compound - Parks & Grounds	RR TOILETS	Restrooms	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	3129	2190
Public Works Compound - Parks & Grounds	COUNTER	Open Office Area	2x4 Rec. Parabolic - T8	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	2607	1825
Public Works Compound - Parks & Grounds	OFFICE 1	Admin / Offices	2x4 Rec. Parabolic	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
Public Works Compound - Parks & Grounds	CLOSET	Storage	2x2 Rec. Acrylic	2	1	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	1	2	30	2607	1825
Public Works Compound - Parks & Grounds	OFFICE 2	Admin / Offices	Compact Fluorescent	1	6	Exclude existing Compact Fluorescent	0	6	0	15	2607	1825
Public Works Compound - Parks & Grounds	EXTERIOR	Exterior	Compact Fluorescent	2	3	Exclude existing Compact Fluorescent fixture	0	3	0	32	4380	4380
Public Works Compound - Z Building	WAREHOUSE	Warehouse	Incandescent - High Bay Retro	1	15	Relamp Incandescent fixture with (1) 23w Par38 compact fluorescent	1	15	15	23	3129	3129
Public Works Compound - Z Building	WAREHOUSE LOW	Warehouse	2x4 Rec. Parabolic - T8	3	0	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	0	0	48	3129	2190
Public Works Compound - Z Building	WAREHOUSE LOW	Warehouse	1x8 Strip 4' - T8	4	0	Relamp & Reballast fixture with (4) 28w T8 lamps and Low Power Elec. Ballast	4	0	0	84	3129	2190
Public Works Compound - Z Building	EXTERIOR	Exterior	HID Metal Halide - Flood	1	3	Replace fixture with 200w Induction Flood w/surge protection	1	3	3	210	4380	4380
Public Works Compound - Z Building	EXTERIOR	Exterior	Incandescent - Flood (2x)	2	2	Relamp Incandescent fixture with (1) 23w Par38 compact fluorescent	1	2	2	23	4380	4380
Public Works Compound - Mower Barn	WAREHOUSE	Warehouse	1x4 Vapor Tight	2	8	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	8	16	42	3129	3129
Public Works Compound - Mower Barn	WAREHOUSE	Warehouse	1x4 Vapor Tight	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	3129
Public Works Compound - Mower Barn	EXTERIOR	Exterior	Incandescent - Flood	1	1	Relamp Incandescent fixture with (1) 23w Par38 compact fluorescent	1	1	1	23	4380	4380
Public Works Compound - Small Veh.	WAREHOUSE	Warehouse	1X4 Strip	2	8	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	8	16	42	3129	3129
Public Works Compound - Small Veh.	WAREHOUSE	Warehouse	Quartz Flood	1	1	Replace fixture with 40w Induction Flood	1	1	1	40	3129	3129
Public Works Compound - Small Veh.	RESTROOM	Restrooms	Incandescent	1	2	Relamp incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	2	2	14	3129	3129
Public Works Compound - Solid Waste	REAR CANOPY	Exterior	HID Metal Halide - High	1	6	Replace fixture with Fluorescent High Bay, (4) T5 lamps, HP Elec. Ballast and EA Reflector - WG	4	6	24	236	4380	4380
Public Works Compound - Solid Waste	REAR CANOPY	Exterior	Quartz Flood	1	3	Replace fixture with 40w Induction Flood	1	3	3	40	4380	4380
Public Works Compound - Solid Waste	REAR SHOP	Shop Area	1X4 Strip	2	8	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	8	16	42	3129	3129
Public Works Compound - Solid Waste	TIRE BAY	Shop Area	1X8 Strip	2	6	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	6	24	84	3129	3129
Public Works Compound - Solid Waste	TIRE BAY STORAGE	Storage	1X4 Strip - T8	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	2607
Public Works Compound - Solid Waste	TIRE BAY STORAGE	Storage	1X4 Strip	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	2607
Public Works Compound - Solid Waste	KEY ROOM	Open Office Area	2x4 Rec. Parabolic - T8	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	2607	1825
Public Works Compound - Solid Waste	SIDE ENTRY	Open Office Area	2x4 Rec. Parabolic - T8	3	8	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	8	16	48	2607	1825
Public Works Compound - Solid Waste	SIDE ENTRY	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Public Works Compound - Solid Waste	ED HUGUNEA	Admin / Offices	2x4 Rec. Parabolic - T8	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	2607	1825
Public Works Compound - Solid Waste	OFFICE 1	Admin / Offices	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
Public Works Compound - Solid Waste	TYRONE COOPER	Admin / Offices	2x4 Rec. Parabolic - T8	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	2607	1825
Public Works Compound - Solid Waste	WOMEN'S RR	Restrooms	2x4 Rec. Parabolic - T8	3	3	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	3	6	48	3129	2190
Public Works Compound - Solid Waste	MEN'S RR	Restrooms	2x4 Rec. Parabolic - T8	3	3	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	3	6	48	3129	2190
Public Works Compound - Solid Waste	BREAK ROOM	Break Room	2x4 Rec. Parabolic - T8	3	5	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	5	10	48	3650	2555
Public Works Compound - Solid Waste	BREAK ROOM	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Public Works Compound - Solid Waste	LOCKER RM	Locker Room	2x4 Rec. Parabolic - T8	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	8760	6132
Public Works Compound - Solid Waste	FILE ROOM	File Room	2x4 Rec. Parabolic - T8	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	3129	2190
Public Works Compound - Solid Waste	CORNER OFFICE	Admin / Offices	2x4 Rec. Parabolic - T8	3	6	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	6	12	48	2607	2607
Public Works Compound - Solid Waste	TRASH CAN RM	Warehouse	1x4 Strip	2	9	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	9	18	42	3129	3129
Public Works Compound - Solid Waste	EXTERIOR	Exterior	Quartz Flood	1	1	Replace fixture with 40w Induction Flood	1	1	1	40	4380	4380
Public Works Compound - Solid Waste	EXTERIOR	Exterior	Compact Fluorecent	2	1	Exclude existing Compact Fluorescent fixture	0	1	0	32	4380	4380
Public Works Compound - Administration	ENTRY	Open Office Area	2x4 Rec. Parabolic	4	7	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	7	14	48	2607	1825
Public Works Compound - Administration	ENTRY	Open Office Area	2x2 Rec. Parabolic - T8	2	2	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	2	4	30	2607	2607
Public Works Compound - Administration	ENTRY	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Public Works Compound - Administration	CONF. RM	Conference Room	2x4 Rec. Parabolic	4	8	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	8	16	48	2607	1825
Public Works Compound - Administration	STORAGE	Storage	2x4 Rec. Parabolic - T8	4	1	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	1	2	48	2607	2607
Public Works Compound - Administration	STORAGE	Storage	2x4 Rec. Parabolic - T8	4	1	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	1	2	48	2607	1825
Public Works Compound - Administration	RECEPTION	Admin / Offices	2x2 Rec. Parabolic - T8	2	2	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	2	4	30	2607	1825
Public Works Compound - Administration	MARY WORKMAN	Admin / Offices	2x4 Rec. Parabolic	4	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
Public Works Compound - Administration	LOWANNA PORTER	Admin / Offices	2x4 Rec. Parabolic	4	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
Public Works Compound - Administration	HALL	Hall / Corridor	2x2 Rec. Parabolic - T8	2	4	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	4	8	30	3650	2555
Public Works Compound - Administration	TYSHA WILLIAMS	Admin / Offices	2x4 Rec. Parabolic	4	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	2607	1825
Public Works Compound - Administration	OPEN FILE	Open Office Area	2x4 Rec. Parabolic	4	6	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	6	12	48	2607	1825
Public Works Compound - Administration	JEROME SAYEY	Admin / Offices	2x4 Rec. Parabolic	4	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	2607	1825
Public Works Compound - Administration	EOC READY RM	Admin / Offices	2x4 Rec. Parabolic	4	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	2607	1825
Public Works Compound - Administration	WOMEN'S LOUNGE	Break Room	2x4 Rec. Parabolic	4	3	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	3	6	48	3650	2555
Public Works Compound - Administration	WOMEN'S LOUNGE	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Public Works Compound - Administration	WOMEN'S RR	Restrooms	2x4 Rec. Parabolic	4	1	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	1	2	48	3129	2190
Public Works Compound - Administration	WOMEN'S RR	Restrooms	Incandescent	2	1	Relamp Incandescent fixture with (2) 13w Compact Fluorescent Spiral	2	1	2	30	3129	2190
Public Works Compound - Administration	REAR HALL	Hall / Corridor	Compact Fluorecent	1	11	Exclude existing Compact Fluorescent	0	11	0	15	3650	3650
Public Works Compound - Administration	REAR HALL	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Public Works Compound - Administration	PUBLIC RR HALL	Hall / Corridor	2x4 Rec. Parabolic - T8	3	1	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	1	2	48	3650	2555
Public Works Compound - Administration	PUBLIC RR	Restrooms	2x2 Rec. Parabolic - T8	2	1	Retrofit fixture with (2) 2' 17w lamps, Elec. Ballast and Reflector Kit	2	1	2	30	3129	2190
Public Works Compound - Administration	MIKE REALS	Admin / Offices	2x4 Rec. Parabolic - T8	3	6	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	6	12	48	2607	1825
Public Works Compound - Administration	COPY RM	Copy Room	2x4 Rec. Parabolic - T8	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	3129	2190
Public Works Compound - Administration	FLEET MANAGER	Admin / Offices	2x4 Rec. Parabolic - T8	3	5	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	5	10	48	2607	1825
Public Works Compound - Administration	STORAGE	Storage	1x4 Strip	2	10	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	10	20	42	2607	2607
Public Works Compound - Administration	STAIRS	Hall / Corridor	2x4 Rec. Parabolic	4	3	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	3	6	48	3650	2555
Public Works Compound - Administration	HALL	Hall / Corridor	2x4 Rec. Parabolic	4	1	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	1	2	48	3650	3650
Public Works Compound - Administration	HALL	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Public Works Compound - Administration	TRAINING RM	Open Office Area	2x4 Rec. Parabolic	4	6	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	6	12	48	2607	1825
Public Works Compound - Administration	TRAINING RM	Training Room	2x4 Rec. Parabolic	4	1	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	1	2	48	3129	2190
Public Works Compound - Administration	OFFICE	Admin / Offices	2x4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
Public Works Compound - Administration	POLICE OPEN	Open Office Area	2x4 Rec. Acrylic	4	11	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	11	22	48	2607	2607
Public Works Compound - Administration	POLICE OPEN	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Public Works Compound - Administration	VIDEO RM	Admin / Offices	2x4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Public Works Compound - Administration	OFFICE 1	Admin / Offices	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
Public Works Compound - Administration	OFFICE 2	Admin / Offices	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
Public Works Compound - Administration	OFFICE 3	Admin / Offices	2X4 Rec. Acrylic	4	4	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	4	8	48	2607	1825
Public Works Compound - Administration	CONF. RM	Conference Room	2X4 Rec. Acrylic	4	3	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	3	6	48	2607	1825
Public Works Compound - Administration	BREAK RM	Break Room	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	3650	2555
Public Works Compound - Administration	CLOSET	Storage	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	2607	2607
Public Works Compound - Administration	RESTROOM	Restrooms	2X4 Rec. Acrylic	4	1	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	1	2	48	3129	2190
Public Works Compound - Administration	ENTRY EXT	Exterior	HID HPS - Wall Pack	1	1	Replace fixture with 80w Induction Wall Pack fixture	1	1	1	84	4380	4380
Public Works Compound - Administration	WAREHOUSE	Warehouse	HID Metal Halide - High	1	10	Replace fixture with Fluorescent High Bay, (4) T5 lamps, HP Elec. Ballast and EA Reflector - WG	4	10	40	236	3129	3129
Public Works Compound - Administration	WAREHOUSE	24/7	Exit Inc. Double Face	2	1	Replace fixture with NEW LED Exit Sign - Battery Back Up	0	1	0	3	8760	8760
Public Works Compound - Administration	WAREHOUSE OFFICE	Admin / Offices	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
Public Works Compound - Administration	LOFT	Warehouse	Incandescent - China Hat	1	3	Relamp Incandescent fixture with (1) 23 Compact Fluorescent Spiral	1	3	3	23	3129	3129
Public Works Compound - Administration	EXTERIOR	Exterior	HID Metal Halide - Flood	1	3	Replace fixture with 200w Induction Flood w/surge protection	1	3	3	210	4380	4380
Public Works Compound - Fleet	COUNTER	Open Office Area	2x4 Rec. Parabolic - T8	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	2607	1825
Public Works Compound - Fleet	TOOL RM	Shop Area	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	3129	2190
Public Works Compound - Fleet	SAFETY SUPPLY	Storage	2X4 Rec. Acrylic	4	6	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	6	12	48	2607	1825
Public Works Compound - Fleet	FLEET FOREMAN	Admin / Offices	2x4 Rec. Parabolic - T8	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	2607	1825
Public Works Compound - Fleet	FLEET SHOP	Shop Area	1X8 Strip	2	28	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	28	112	84	3129	3129
Public Works Compound - Fleet	FLEET SHOP	Shop Area	1X8 Strip	1	8	Retrofit 1x8 fixture with (2) T8 lamps, Elec. Ballast and Reflector Kit	2	8	16	48	3129	3129
Public Works Compound - Fleet	FLEET SHOP W?	Shop Area	1X8 Strip	2	3	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	3	12	84	3129	3129
Public Works Compound - Fleet	SHOP OFFICE	Admin / Offices	1X4 Wrap	2	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	2607	1825
Public Works Compound - Fleet	CAGE	Storage	1X8 Strip	2	2	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	2	8	84	2607	2607
Public Works Compound - Fleet	OIL BAY	Shop Area	HID Metal Halide - High	1	2	Replace fixture with Fluorescent High Bay, (4) T5 lamps, HP Elec. Ballast and EA Reflector - WG	4	2	8	236	3129	3129
Public Works Compound - Fleet	OIL BAY	Shop Area	1X8 Strip	2	6	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	6	24	84	3129	3129
Public Works Compound - Fleet	EXTERIOR	Exterior	HID Metal Halide - Cobra	1	1	Replace fixture with 80w Induction Cobra Head fixture	1	1	1	84	4380	4380
Public Works Compound - Streets	MANAGER	Admin / Offices	2x4 Rec. MiniCube	3	6	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	6	12	48	2607	1825
Public Works Compound - Streets	MANAGER	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Public Works Compound - Streets	RESTROOM	Restrooms	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	3129	3129
Public Works Compound - Streets	HALL	Hall / Corridor	2x4 Rec. MiniCube	3	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	3650	3650
Public Works Compound - Streets	HALL	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Public Works Compound - Streets	OFFICE	Admin / Offices	2x4 Rec. MiniCube	3	4	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	4	8	48	2607	1825
Public Works Compound - Streets	CONF. RM	Conference Room	2x4 Rec. MiniCube	3	4	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	4	8	48	2607	1825
Public Works Compound - Streets	TRAINING RM	Open Office Area	2x4 Rec. MiniCube	3	14	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	14	28	48	2607	1825
Public Works Compound - Streets	TRAINING RM	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Public Works Compound - Streets	DATA CLOSET	Elec / Mech	1X4 Wrap	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1043	1043
Public Works Compound - Streets	HVAC	Elec / Mech	1X4 Wrap	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1043	1043
Public Works Compound - Streets	KITCHEN	Break Room	2x4 Rec. MiniCube	3	1	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	1	2	48	3650	3650
Public Works Compound - Streets	OPEN	Open Office Area	2x4 Rec. MiniCube	3	6	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	6	12	48	2607	1825
Public Works Compound - Streets	CLOSET 1	Storage	2x4 Rec. MiniCube	3	1	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	1	2	48	2607	2607
Public Works Compound - Streets	CLOSET 2	Storage	2x4 Rec. MiniCube	3	1	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	1	2	48	2607	2607
Public Works Compound - Streets	OPEN	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Public Works Compound - Streets	RR	Restrooms	2x4 Rec. MiniCube	3	1	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	1	2	48	3129	3129
Public Works Compound - Streets	RR	Restrooms	1X4 Wrap	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	3129	3129
Public Works Compound - Streets	RR TOILET	Restrooms	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	3129	3129
Public Works Compound - Streets	PATIO	Exterior	1X4 Vapor Tight	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	4380	4380
Public Works Compound - Streets	PATIO	Exterior	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	4380	4380
Public Works Compound - Streets	EXTERIOR	Exterior	HID Metal Halide - Wall	1	1	Replace fixture with 150w Induction Wall Pack fixture	1	1	1	163	4380	4380
Public Works Compound - Streets	VEHICLE CANOPY	Shop Area	HID Metal Halide - High	1	3	Replace fixture with Fluorescent High Bay, (4) T5 lamps, HP Elec. Ballast and EA Reflector - WG	4	3	12	236	3129	3129
Public Works Compound - Streets	REPAIR BAY	Shop Area	HID Metal Halide - High	1	4	Replace fixture with Fluorescent High Bay, (4) T5 lamps, HP Elec. Ballast and EA Reflector - WG	4	4	16	236	3129	3129
Public Works Compound - Streets	REPAIR BAY	Shop Area	Incandescent - China Hat	1	11	Remove existing fixture	0	11	0	0	3129	3129
Public Works Compound - Streets	REPAIR BAY	Shop Area	Quartz Flood	1	7	Remove existing fixture	0	7	0	0	3129	3129
Public Works Compound - Streets	LOFT	Shop Area	Incandescent - China Hat	1	3	Replace fixture with 1x4 Industrial, (2) T8 lamps and LP Elec. Ballast	2	3	6	48	3129	3129
Public Works Compound - Streets	PARTS RM	Shop Area	1X8 Strip	2	2	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	2	8	84	3129	3129
Public Works Compound - Streets	CLOSET	Storage	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	2607	2607
Public Works Compound - Streets	TIRE RM	Storage	1X4 Industrial	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	2607	1825
Public Works Compound - Streets	RR	Restrooms	Incandescent	3	1	Relamp Incandescent fixture with (2) 13w Compact Fluorescent Spiral	2	1	2	30	3129	2190
Public Works Compound - Streets	2ND FL STORAGE	Storage	1X8 Strip	2	2	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	2	8	84	2607	2607
Public Works Compound - Streets	WELDING	Shop Area	1X8 Strip	2	3	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	3	12	84	3129	3129
Public Works Compound - Streets	TRACTOR BAY	Shop Area	HID Metal Halide - High	1	8	Replace fixture with Fluorescent High Bay, (4) T5 lamps, HP Elec. Ballast and EA Reflector - WG	4	8	32	236	3129	3129
Public Works Compound - Streets	OFFICE	Admin / Offices	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	2607	2607
Public Works Compound - Streets	BREAK RM	Break Room	2X4 Rec. Parabolic	3	4	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	4	8	48	3650	2555
Public Works Compound - Streets	RR SINK	Restrooms	2X4 Rec. Parabolic	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	3129	2190
Public Works Compound - Streets	RR TOILET	Restrooms	2X4 Rec. Parabolic	3	2	Retrofit 2x4 Parabolic fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit - Power feed must be	2	2	4	48	3129	2190
Public Works Compound - Streets	WATER HEATER	Elec / Mech	Incandescent - Recessed Can	1	1	Relamp Incandescent fixture with (1) 23 Compact Fluorescent Spiral	1	1	1	23	1043	1043
Public Works Compound - Streets	SHOWER	Restrooms	Incandescent - Recessed Can	1	1	Relamp Incandescent fixture with (1) 23 Compact Fluorescent Spiral	1	1	1	23	3129	3129
Public Works Compound - Streets	BREAK RM	24/7	Exit LED - Bug EYE	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Public Works Compound - Open Truck Bay	TRUCK BAYS	Exterior	HID Metal Halide - High	1	8	Replace fixture with Fluorescent High Bay, (4) T5 lamps, HP Elec. Ballast and EA Reflector - WG	4	8	32	236	4380	4380
Public Works Compound - Cone Storage	WAREHOUSE	Warehouse	1X8 Strip	2	4	Retrofit 1x8 fixture with (4) 28w T8 lamps, LP Elec. Ballast and Reflector Kit	4	4	16	84	3129	3129
Public Works Compound - Gas Engine Repair	BAY 1	Shop Area	1X4 Vapor Tight	2	6	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	6	12	42	3129	3129
Public Works Compound - Gas Engine Repair	BAY 2	Shop Area	1X4 Vapor Tight	2	4	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	4	8	42	3129	3129
Public Works Compound - Gas Engine Repair	BAY 3	Shop Area	1X4 Vapor Tight	2	8	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	8	16	42	3129	3129
Public Works Compound - Gas Engine Repair	EXTERIOR	Exterior	Incandescent - Flood	1	2	Relamp Incandescent fixture with (1) 23w Par38 compact Fluorescent	1	2	2	23	4380	4380
Public Works Compound - Gas Engine Repair	EXTERIOR	Exterior	Incandescent - Flood (2x)	2	1	Relamp Incandescent fixture with (1) 23w Par38 compact Fluorescent	1	1	1	23	4380	4380
Public Works Compound - Fuel Island / Flag	FUEL CNAOPY	Exterior	HID Metal Halide - Flood	1	12	Replace fixture with 80w Induction Canopy/Garage Fixture	0	12	0	100	4380	4380
Public Works Compound - Fuel Island / Flag	FLAG POLE	Exterior	HID Metal Halide - Flood	1	1	Replace fixture with 36w LED Flood	1	1	1	36	4380	4380
Ft. Pierce Community Center	SERVER RM	Elec / Mech	1X4 Wrap - T8	2	1	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	1	2	42	1043	1043
Ft. Pierce Community Center	SUPPLY CLOSET	Storage	Incandescent	1	1	Relamp Incandescent fixture with (1) 23 Compact Fluorescent Spiral	1	1	1	23	2086	1460
Ft. Pierce Community Center	CONF. RM	Open Community	2X4 Rec. Acrylic	4	8	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	8	16	48	4171	2920
Ft. Pierce Community Center	HALL	Hall / Corridor	2X4 Rec. Acrylic	4	3	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	3	6	48	4171	4171
Ft. Pierce Community Center	HALL	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Ft. Pierce Community Center	OFFICE	Admin / Office	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825
Ft. Pierce Community Center	OFFICE 2	Admin / Office	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2607	1825

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM					OCCUPANCY SENS	
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Ft. Pierce Community Center	MRR	Restrooms	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	4171	2920
Ft. Pierce Community Center	WRR	Restrooms	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	4171	2920
Ft. Pierce Community Center	ENTRY FOYER	Hall / Corridor	2X4 Rec. Acrylic	4	8	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	8	16	48	4171	4171
Ft. Pierce Community Center	ENTRY FOYER	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Ft. Pierce Community Center	HALL	Hall / Corridor	2X4 Rec. Acrylic	4	1	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	1	2	48	4171	4171
Ft. Pierce Community Center	REAR ROOM	Open Community	1X4 Strip	2	24	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	24	48	42	4171	4171
Ft. Pierce Community Center	REAR ROOM	Open Community	Incandescent - MR16 Track	1	8	Relamp incandescent fixture with LED Par20	1	8	8	12	4171	4171
Ft. Pierce Community Center	REAR ROOM	24/7	Exit LED - Bug EYE	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Ft. Pierce Community Center	KITCHEN	Kitchen Area	1X4 Wrap	4	2	Relamp & Reballast fixture with (2) 28w T8 lamps and Low Power Elec. Ballast	2	2	4	42	4171	2920
Ft. Pierce Community Center	MAIN ROOM	Open Community	Compact Fluorescent	3	7	Exclude existing Compact Fluorescent fixture	3	7	21	39	4171	4171
Ft. Pierce Community Center	MAIN ROOM	Open Community	Incandescent - Dimming	3	24	Relamp incandescent fixture with (3) LED A-19 - Dimming	3	24	72	21	4171	4171
Ft. Pierce Community Center	MAIN ROOM	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Ft. Pierce Community Center	STAGE	Open Community	Incandescent	1	6	Relamp Incandescent fixture with (2) 13w Compact Fluorescent Spiral	2	6	12	30	4171	4171
Ft. Pierce Community Center	STAGE	Open Community	Incandescent	1	4	Relamp Incandescent fixture with (1) 23w Par38 compact Fluorescent	1	4	4	23	4171	4171
Ft. Pierce Community Center	STAIR 1	Open Community	Incandescent - Dimming	1	1	Relamp incandescent fixture with LED Par30 - Long Neck	1	1	1	21	4171	4171
Ft. Pierce Community Center	STAIR 2	Open Community	Incandescent - Dimming	1	1	Relamp incandescent fixture with LED Par30 - Long Neck	1	1	1	21	4171	4171
Ft. Pierce Community Center	STORAGE	Storage	2X4 Rec. Acrylic	4	2	Retrofit fixture with (2) 28w T8 lamps, Elec. ballast and Reflector Kit	2	2	4	48	2086	1460
Ft. Pierce Community Center	FRONT CANOPY	Exterior	Incandescent - Cylinder	1	4	Relamp Incandescent fixture with (1) 23w Par38 compact Fluorescent	1	4	4	23	4380	4380
Ft. Pierce Community Center	FRONT CANOPY	Exterior	HID HPS - Canopy	1	5	Replace fixture with 40w Induction Canopy	1	5	5	40	4380	4380
Ft. Pierce Community Center	FRONT ENTRY	Exterior	Compact Fluorescent	1	8	Exclude existing Compact Fluorescent fixture	0	8	0	16	4380	4380
Ft. Pierce Community Center	ELEC. ROOM	Elec / Mech	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	1043	1043
Ft. Pierce Community Center	WALL	Exterior	2X2 Rec. Acrylic	2	4	Retrofit fixture with (2) 2' 17w Lamps, Elec. Ballast and Reflector Kit	2	4	8	30	4380	4380
Ft. Pierce Community Center	PARKING	Exterior	HID Metal Halide - Flood	1	2	Replace fixture with 200w Induction Flood w/surge protection	1	2	2	210	4380	4380
Ft. Pierce Community Center	FLAG POLE	Exterior	Incandescent - Flood	1	1	Replace fixture with LED flood/spot	2	1	2	0	4380	4380
Ft. Pierce Community Center	FOUNTAIN	Exterior	Incandescent - Flood	1	4	Replace fixture with LED flood/spot	2	4	8	0	4380	4380
Seven Gables House	CONF. RM.	Conference Room	Incandescent - Dimming	1	8	Relamp incandescent fixture with LED Par20	1	8	8	12	2607	2607
Seven Gables House	CONF. RM.	Conference Room	Incandescent - Dimming	1	4	Relamp incandescent fixture with LED MR16	1	4	4	10	2607	2607
Seven Gables House	CONF. RM.	24/7	Exit LED - Bug EYE	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Seven Gables House	HALL	Hall / Corridor	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	3650	3650
Seven Gables House	HALL	24/7	Exit LED - Bug EYE	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Seven Gables House	OFFICE 1	Admin / Offices	Compact Fluorescent	3	1	Exclude existing Compact Fluorescent fixture	3	1	3	39	2607	1825
Seven Gables House	OFFICE 2	Admin / Offices	Compact Fluorescent	3	1	Exclude existing Compact Fluorescent fixture	3	1	3	39	2607	1825
Seven Gables House	FIRE PLACE RM	Seven Gables Bldg	Compact Fluorescent	2	1	Exclude existing Compact Fluorescent Fixture	0	1	0	11	2607	2607
Seven Gables House	ENTRY FOYER	Seven Gables Bldg	Incandescent	1	2	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	2	2	14	2607	2607
Seven Gables House	ENTRY FOYER	Seven Gables Bldg	Incandescent	2	1	Relamp Incandescent fixture with (2) 13w Compact Fluorescent Spiral	2	1	2	30	2607	2607
Seven Gables House	ENTRY FOYER	24/7	Exit LED Double Face	1	2	Exclude LED Exit Sign	0	2	0	3	8760	8760
Seven Gables House	PLAQUE RM	Seven Gables Bldg	Compact Fluorescent	2	1	Exclude existing Compact Fluorescent Fixture	0	1	0	11	2607	2607
Seven Gables House	BROCHURE RM	Seven Gables Bldg	Incandescent - Dimming	1	21	Relamp incandescent fixture with LED Par20	1	21	21	12	2607	2607
Seven Gables House	BROCHURE RM	Seven Gables Bldg	Incandescent	1	12	Relamp incandescent fixture with LED MR16	1	12	12	10	2607	2607
Seven Gables House	BROCHURE RM	24/7	Exit LED - Bug EYE	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760
Seven Gables House	BROCHURE RM	24/7	Exit LED Double Face	1	1	Exclude LED Exit Sign	0	1	0	3	8760	8760

BUILDING INFORMATION			EXISTING SYSTEM			PROPOSED SYSTEM				OCCUPANCY SENS		
Building Description	Room #	Room Type	Existing Fixture Description	Exist. # Lamps	Exist. Fixt. Qty	ECM Description	ECM # Lamps	ECM Qty	ECM Total # Lamps	100% ECM Watts	Exist. Annual Hrs	Control New Annual Hrs
Seven Gables House	BREAK RM	Seven Gables Bldg	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	2607	2607
Seven Gables House	AC ROOM	Elec / Mech	Incandescent	1	1	Relamp Incandescent fixture with (1) 14w Compact Fluorescent Spiral	1	1	1	14	1043	1043
Seven Gables House	PORCH	Exterior	Compact Fluorescent	2	7	Exclude existing Compact Fluorescent Fixture	0	7	0	11	4380	4380
Seven Gables House	MRR	Restrooms	Compact Fluorescent	2	1	Exclude existing Compact Fluorescent Fixture	0	1	0	11	3129	2190
Seven Gables House	WRR	Restrooms	Compact Fluorescent	2	1	Exclude existing Compact Fluorescent Fixture	0	1	0	11	3129	2190
Seven Gables House	LOFT	Exterior	Compact Fluorescent	2	1	Exclude existing Compact Fluorescent Fixture	0	1	0	11	4380	4380

APPENDIX B. WATER FIXTURE CONSUMPTION

City of Fort Pierce
City Hall

Existing Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	3.5	1	33.4	350.7
Water Closet (male)	1	3.5	1	29.6	103.6
Urinal (male)	2	1.5	1	28.4	85.2
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	2.2	30	65.6	216.48
Lavatory (auto control)	3	2.2	12	65.6	86.592
Kitchen Sink	1	2.5	15	0	0
Shower	0.1	2.5	300	0	0

Total Daily Volume (gal) 842.572
 Annual Work Days 260
 Annual Volume (gal) 219068.7
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 219068.7

Proposed Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	1.28	1	33.4	128.256
Water Closet (male)	1	1.28	1	29.6	37.888
Urinal (male)	2	0.125	1	28.4	7.1
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	0.5	30	65.6	49.2
Lavatory (auto control)	3	0.5	12	65.6	19.68
Kitchen Sink	1	1.5	15	0	0
Shower	0.1	1.5	300	0	0

Total Daily Volume (gal) 242.1
 Annual Work Days 260
 Annual Volume (gal) 62952
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 62952

FTE Occupant Multipliers

# Full Time Occupants	# Transients	# Retail Customers	Transient Factor	Retail Customer Factor	FTE Occupants
25	2	37	0.5	0.2	33.4
24	2	36	1	0.1	29.6
24	2	36	0.4	0.1	28.4
0	0	0	0.4	0.1	0

# Full Time Occupants	# Transients	# Retail Customers	Transient Factor	Retail Customer Factor	FTE Occupants
49	4	73	0.5	0.2	65.6
49	4	73	0.5	0.2	65.6
0	0	73	0	0	0
0	0	0	0	0	0

Flush Fixture	Flow Rate (gpf)
Conventional Water Closet	3.5
Low-Flow Water Closet	1.28
Conventional Urinal	1.5
Low-Flow Urinal	0.125

Flow Fixture	Flow Rate (gpm)
Conventional Lavatory	2.2
Low-Flow Lavatory	0.5
Ultra Low-Flow Lavatory	0.35
Kitchen Sink	2.5
Low-Flow Kitchen Sink	1.5
Shower	2.5
Low-Flow Shower	1.5

Existing Water Consumption = 219068.72 gal/year
 Proposed Water Consumption 62952 gal/year
 Consumption Reduction 156116 gal/year
 % Reduction over baseline = 71.26%

Var. Water Rate (\$/Kgal) = \$8.30
 Annual Water Savings = \$1,295.77

Fixture	Qty
Flush Valve WC	23
Tank WC	1
Urinal	6
Lavatory	20
Shower	0
Kitchen Sink	2

City of Fort Pierce
Ft Pierce Community Center (River Walk Center)

Existing Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	3.5	1	21	220.5
Water Closet (male)	1	3.5	1	11	38.5
Urinal (male)	2	1.5	1	11	33
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	2.2	30	42	138.6
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	2.5	15	2	1.25
Shower	0.1	2.5	300	0	0

Total Daily Volume (gal) 431.85
Annual Work Days 350
Annual Volume (gal) 151147.5
Rainwater or Graywater Volume (gal) 0
Total Annual Volume (gal) 151147.5

Proposed Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	1.28	1	21	80.64
Water Closet (male)	1	1.28	1	11	14.08
Urinal (male)	2	0.125	1	11	2.75
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	0.5	30	42	31.5
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	1.5	15	2	0.75
Shower	0.1	1.5	300	0	0

Total Daily Volume (gal) 129.7
Annual Work Days 350
Annual Volume (gal) 45402
Rainwater or Graywater Volume (gal) 0
Total Annual Volume (gal) 45402

FTE Occupant Multipliers

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
1	0	0.5	100	0.2	21
1	0	1	100	0.1	11
1	0	0.4	100	0.1	11
0	0	0.4	0	0.1	0

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
2	0	0.5	200	0.2	42
0	0	0.5	0	0.2	0
2	0	0	200	0	2
0	0	0	0	0	0

Flush Fixture	Flow Rate (gpf)
Conventional Water Closet	3.5
Low-Flow Water Closet	1.28
Conventional Urinal	1.5
Low-Flow Urinal	0.125

Flow Fixture	Flow Rate (gpm)
Conventional Lavatory	2.2
Low-Flow Lavatory	0.5
Ultra Low-Flow Lavatory	0.35
Kitchen Sink	2.5
Low-Flow Kitchen Sink	1.5
Shower	2.5
Low-Flow Shower	1.5

Existing Water Consumption = 151147.5 gal/year
Proposed Water Consumption 45402 gal/year
Consumption Reduction 105746 gal/year
% Reduction over baseline = 69.96%

Var. Water Rate (\$/Kgal) = \$8.09
Annual Water Savings = \$855.48

Fixture	Qty
Flush Valve WC	6
Tank WC	0
Urinal	3
Lavatory	4
Shower	0
Kitchen Sink	1

City of Fort Pierce
Marina

Existing Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	3.5	1	7.5	78.75
Water Closet (male)	1	3.5	1	7	24.5
Urinal (male)	2	1.5	1	5.8	17.4
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	2.2	30	14	46.2
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	2.5	15	0	0
Shower	0.1	2.5	300	0	0

Total Daily Volume (gal) 166.85
 Annual Work Days 350
 Annual Volume (gal) 58397.5
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 58397.5

Proposed Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	1.28	1	7.5	28.8
Water Closet (male)	1	1.28	1	7	8.96
Urinal (male)	2	0.125	1	5.8	1.45
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	0.5	30	14	10.5
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	1.5	15	0	0
Shower	0.1	1.5	300	0	0

Total Daily Volume (gal) 49.7
 Annual Work Days 350
 Annual Volume (gal) 17399
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 17399

FTE Occupant Multipliers

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
3	1	0.5	20	0.2	7.5
3	2	1	20	0.1	7
3	2	0.4	20	0.1	5.8
0	0	0.4	0	0.1	0

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
6	0	0.5	40	0.2	14
0	0	0.5	0	0.2	0
0	0	0	0	0	0
0	0	0	0	0	0

Flush Fixture	Flow Rate (gpf)
Conventional Water Closet	3.5
Low-Flow Water Closet	1.28
Conventional Urinal	1.5
Low-Flow Urinal	0.125

Flow Fixture	Flow Rate (gpm)
Conventional Lavatory	2.2
Low-Flow Lavatory	0.5
Ultra Low-Flow Lavatory	0.35
Kitchen Sink	2.5
Low-Flow Kitchen Sink	1.5
Shower	2.5
Low-Flow Shower	1.5

Existing Water Consumption = 58397.5 gal/year
 Proposed Water Consumption 17399 gal/year
 Consumption Reduction 40999 gal/year
 % Reduction over baseline = 70.21%

Var. Water Rate (\$/Kgal) = \$8.30
 Annual Water Savings = \$340.29

Fixture	Qty
Flush Valve WC	5
Tank WC	3
Urinal	3
Lavatory	7
Shower	5
Kitchen Sink	0

City of Fort Pierce
PAL Park

Existing Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	3.5	1	5	52.5
Water Closet (male)	1	3.5	1	3	10.5
Urinal (male)	2	1.5	1	3	9
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	2.2	30	10	33
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	2.5	15	2	1.25
Shower	0.1	2.5	300	0	0

Total Daily Volume (gal) 106.25
 Annual Work Days 350
 Annual Volume (gal) 37187.5
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 37187.5

Proposed Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	1.28	1	5	19.2
Water Closet (male)	1	1.28	1	3	3.84
Urinal (male)	2	0.125	1	3	0.75
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	0.5	30	10	7.5
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	1.5	15	2	0.75
Shower	0.1	1.5	300	0	0

Total Daily Volume (gal) 32.0
 Annual Work Days 350
 Annual Volume (gal) 11214
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 11214

FTE Occupant Multipliers

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
1	0	0.5	20	0.2	5
1	0	1	20	0.1	3
1	0	0.4	20	0.1	3
0	0	0.4	0	0.1	0

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
2	0	0.5	40	0.2	10
0	0	0.5	0	0.2	0
2	0	0	40	0	2
0	0	0	0	0	0

Flush Fixture	Flow Rate (gpf)
Conventional Water Closet	3.5
Low-Flow Water Closet	1.28
Conventional Urinal	1.5
Low-Flow Urinal	0.125

Flow Fixture	Flow Rate (gpm)
Conventional Lavatory	2.2
Low-Flow Lavatory	0.5
Ultra Low-Flow Lavatory	0.35
Kitchen Sink	2.5
Low-Flow Kitchen Sink	1.5
Shower	2.5
Low-Flow Shower	1.5

Existing Water Consumption = 37187.5 gal/year
 Proposed Water Consumption 11214 gal/year
 Consumption Reduction 25974 gal/year
 % Reduction over baseline = 69.84%

Var. Water Rate (\$/Kgal) = \$8.30
 Annual Water Savings = \$215.58

Fixture	Qty
Flush Valve WC	0
Tank WC	3
Urinal	1
Lavatory	4
Shower	0
Kitchen Sink	0

City of Fort Pierce
Police Main Station

Existing Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	3.5	1	18.7	196.35
Water Closet (male)	1	3.5	1	21.6	75.6
Urinal (male)	2	1.5	1	16.2	48.6
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	2.2	30	37.4	123.42
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	2.5	15	22	13.75
Shower	0.1	2.5	300	22	27.5

Total Daily Volume (gal) 485.22
 Annual Work Days 365
 Annual Volume (gal) 177105.3
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 177105.3

Proposed Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	1.28	1	18.7	71.808
Water Closet (male)	1	1.28	1	21.6	27.648
Urinal (male)	2	0.125	1	16.2	4.05
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	0.5	30	37.4	28.05
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	1.5	15	22	8.25
Shower	0.1	1.5	300	22	16.5

Total Daily Volume (gal) 156.3
 Annual Work Days 365
 Annual Volume (gal) 57052
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 57052

FTE Occupant Multipliers

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
11	9	0.5	16	0.2	18.7
11	9	1	16	0.1	21.6
11	9	0.4	16	0.1	16.2
0	0	0.4	0	0.1	0

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
22	18	0.5	32	0.2	37.4
0	0	0.5	0	0.2	0
22	18	0	32	0	22
22	18	0	32	0	22

Flush Fixture	Flow Rate (gpf)
Conventional Water Closet	3.5
Low-Flow Water Closet	1.28
Conventional Urinal	1.5
Low-Flow Urinal	0.125

Flow Fixture	Flow Rate (gpm)
Conventional Lavatory	2.2
Low-Flow Lavatory	0.5
Ultra Low-Flow Lavatory	0.35
Kitchen Sink	2.5
Low-Flow Kitchen Sink	1.5
Shower	2.5
Low-Flow Shower	1.5

Existing Water Consumption = 177105.3 gal/year
 Proposed Water Consumption 57052 gal/year
 Consumption Reduction 120054 gal/year
 % Reduction over baseline = 67.79%

Var. Water Rate (\$/Kgal) = \$8.11
 Annual Water Savings = \$973.63

Fixture	Qty
Flush Valve WC	10
Tank WC	0
Urinal	6
Lavatory	14
Shower	9
Kitchen Sink	2

City of Fort Pierce
Police Substation Ave D

Existing Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	3.5	1	0.5	5.25
Water Closet (male)	1	3.5	1	2	7
Urinal (male)	2	1.5	1	1.4	4.2
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	2.2	30	2	6.6
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	2.5	15	1	0.625
Shower	0.1	2.5	300	0	0

Total Daily Volume (gal) 23.675
 Annual Work Days 365
 Annual Volume (gal) 8641.375
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 8641.375

Proposed Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	1.28	1	0.5	1.92
Water Closet (male)	1	1.28	1	2	2.56
Urinal (male)	2	0.125	1	1.4	0.35
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	0.5	30	2	1.5
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	1.5	15	1	0.375
Shower	0.1	1.5	300	0	0

Total Daily Volume (gal) 6.7
 Annual Work Days 365
 Annual Volume (gal) 2447
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 2447

FTE Occupant Multipliers

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
0	1	0.5	0	0.2	0.5
1	1	1	0	0.1	2
1	1	0.4	0	0.1	1.4
0	0	0.4	0	0.1	0

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
1	2	0.5	0	0.2	2
0	0	0.5	0	0.2	0
1	2	0	0	0	1
0	0	0	0	0	0

Flush Fixture	Flow Rate (gpf)
Conventional Water Closet	3.5
Low-Flow Water Closet	1.28
Conventional Urinal	1.5
Low-Flow Urinal	0.125

Flow Fixture	Flow Rate (gpm)
Conventional Lavatory	2.2
Low-Flow Lavatory	0.5
Ultra Low-Flow Lavatory	0.35
Kitchen Sink	2.5
Low-Flow Kitchen Sink	1.5
Shower	2.5
Low-Flow Shower	1.5

Existing Water Consumption = 8641.375 gal/year
 Proposed Water Consumption 2447 gal/year
 Consumption Reduction 6194 gal/year
 % Reduction over baseline = 71.68%

Var. Water Rate (\$/Kgal) = \$8.30
 Annual Water Savings = \$51.41

Fixture	Qty
Flush Valve WC	3
Tank WC	0
Urinal	1
Lavatory	4
Shower	0
Kitchen Sink	1

City of Fort Pierce
Public Works Compound

Existing Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	3.5	1	9.9	103.95
Water Closet (male)	1	3.5	1	11.3	39.55
Urinal (male)	2	1.5	1	10.7	32.1
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	2.2	30	21	69.3
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	2.5	15	15	9.375
Shower	0.1	2.5	300	2	2.5

Total Daily Volume (gal) 256.775
 Annual Work Days 260
 Annual Volume (gal) 66761.5
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 66761.5

Proposed Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	1.28	1	9.9	38.016
Water Closet (male)	1	1.28	1	11.3	14.464
Urinal (male)	2	0.125	1	10.7	2.675
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	0.5	30	21	15.75
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	1.5	15	15	5.625
Shower	0.1	1.5	300	2	1.5

Total Daily Volume (gal) 78.0
 Annual Work Days 260
 Annual Volume (gal) 20288
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 20288

FTE Occupant Multipliers

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Factor	FTE Occupants
9	1	0.5	2	0.2	9.9
10	1	1	3	0.1	11.3
10	1	0.4	3	0.1	10.7
0	0	0.4	0	0.1	0

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Factor	FTE Occupants
19	2	0.5	5	0.2	21
0	0	0.5	0	0.2	0
15	2	0	5	0	15
2	0	0	5	0	2

Flush Fixture	Flow Rate (gpf)
Conventional Water Closet	3.5
Low-Flow Water Closet	1.28
Conventional Urinal	1.5
Low-Flow Urinal	0.125

Flow Fixture	Flow Rate (gpm)
Conventional Lavatory	2.2
Low-Flow Lavatory	0.5
Ultra Low-Flow Lavatory	0.35
Kitchen Sink	2.5
Low-Flow Kitchen Sink	1.5
Shower	2.5
Low-Flow Shower	1.5

Existing Water Consumption = 66761.5 gal/year
 Proposed Water Consumption 20288 gal/year
 Consumption Reduction 46474 gal/year
 % Reduction over baseline = 69.61%

Var. Water Rate (\$/Kgal) = \$8.30
 Annual Water Savings = \$385.73

Fixture	Qty
Flush Valve WC	3
Tank WC	13
Urinal	9
Lavatory	15
Shower	1
Kitchen Sink	2

City of Fort Pierce
Seven Gables House

Existing Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	3.5	1	4.4	46.2
Water Closet (male)	3	3.5	1	2.6	27.3
Urinal (male)	2	1.5	1	0	0
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	2.2	30	8.1	26.73
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	2.5	15	1	0.625
Shower	0.1	2.5	300	0	0

Total Daily Volume (gal) 100.855
 Annual Work Days 350
 Annual Volume (gal) 35299.25
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 35299.25

Proposed Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	1.28	1	4.4	16.896
Water Closet (male)	1	1.28	1	2.6	3.328
Urinal (male)	2	0.125	1	0	0
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	0.5	30	8.1	6.075
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	1.5	15	1	0.375
Shower	0.1	1.5	300	0	0

Total Daily Volume (gal) 26.7
 Annual Work Days 350
 Annual Volume (gal) 9336
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 9336

FTE Occupant Multipliers

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Factor	FTE Occupants
1	0	0.5	17	0.2	4.4
0	1	1	16	0.1	2.6
0	0	0.4	0	0.1	0
0	0	0.4	0	0.1	0

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Factor	FTE Occupants
1	1	0.5	33	0.2	8.1
0	0	0.5	0	0.2	0
1	1	0	33	0	1
0	0	0	0	0	0

Flush Fixture	Flow Rate (gpf)
Conventional Water Closet	3.5
Low-Flow Water Closet	1.28
Conventional Urinal	1.5
Low-Flow Urinal	0.125

Flow Fixture	Flow Rate (gpm)
Conventional Lavatory	2.2
Low-Flow Lavatory	0.5
Ultra Low-Flow Lavatory	0.35
Kitchen Sink	2.5
Low-Flow Kitchen Sink	1.5
Shower	2.5
Low-Flow Shower	1.5

Existing Water Consumption = 35299.25 gal/year
 Proposed Water Consumption 9336 gal/year
 Consumption Reduction 25963 gal/year
 % Reduction over baseline = 73.55%

Var. Water Rate (\$/Kgal) = \$8.96
 Annual Water Savings = \$232.63

Fixture	Qty
Flush Valve WC	0
Tank WC	2
Urinal	0
Lavatory	2
Shower	0
Kitchen Sink	1

City of Fort Pierce
Sunrise Theater

Existing Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	3.5	1	44	462
Water Closet (male)	1	3.5	1	24	84
Urinal (male)	2	1.5	1	24	72
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	2.2	30	88	290.4
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	2.5	15	8	5
Shower	0.1	2.5	300	8	10

Total Daily Volume (gal) 923.4
 Annual Work Days 260
 Annual Volume (gal) 240084
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 240084

Proposed Water Consumption

Flush Fixture	Daily Uses	Flowrate (GPF)	Duration (flush)	Occupants (FTE)	Water Use (gallons)
Water Closet (female)	3	1.28	1	44	168.96
Water Closet (male)	1	1.28	1	24	30.72
Urinal (male)	2	0.125	1	24	6
Waterless Urinal (male)	2	0	1	0	0

Flow Fixture	Daily Uses	Flowrate (GPM)	Duration (seconds)	Occupants (FTE)	Water Use (gallons)
Lavatory (conventional)	3	0.5	30	88	66
Lavatory (auto control)	3	1	12	0	0
Kitchen Sink	1	1.5	15	8	3
Shower	0.1	1.5	300	8	6

Total Daily Volume (gal) 280.7
 Annual Work Days 260
 Annual Volume (gal) 72977
 Rainwater or Graywater Volume (gal) 0
 Total Annual Volume (gal) 72977

FTE Occupant Multipliers

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
4	0	0.5	200	0.2	44
4	0	1	200	0.1	24
4	0	0.4	200	0.1	24
0	0	0.4	0	0.1	0

# Full Time Occupants	# Transients	Transient Factor	# Retail Customers	Retail Cust Factor	FTE Occupants
8	0	0.5	400	0.2	88
0	0	0.5	0	0.2	0
8	0	0	400	0	8
8	0	0	400	0	8

Flush Fixture	Flow Rate (gpf)
Conventional Water Closet	3.5
Low-Flow Water Closet	1.28
Conventional Urinal	1.5
Low-Flow Urinal	0.125

Flow Fixture	Flow Rate (gpm)
Conventional Lavatory	2.2
Low-Flow Lavatory	0.5
Ultra Low-Flow Lavatory	0.35
Kitchen Sink	2.5
Low-Flow Kitchen Sink	1.5
Shower	2.5
Low-Flow Shower	1.5

Existing Water Consumption = 240084 gal/year
 Proposed Water Consumption 72977 gal/year
 Consumption Reduction 167107 gal/year
 % Reduction over baseline = 69.60%

Var. Water Rate (\$/Kgal) = \$9.94
 Annual Water Savings = \$1,661.05

Fixture	Qty
Flush Valve WC	26
Tank WC	0
Urinal	7
Lavatory	27
Shower	1
Kitchen Sink	1