



To: Grants and Loans Office

Date: 11 / 16 / 2010

Project Manager: Haile Bucaneg

Phone Number: (916) 651-8858

Office Special Projects Offices

Division: Fuels and Transportations Division

MS- 23

Project Title: City of Arroyo Grande

Type of Request: (check one)

New Agreement: (include items A - F from below) Agreement Number: 002-10-ECU-ARRA
Assigned by the G&L Office

Program: 3% Loan Program

Solicitation Name: ECAA/ARRA Loan Program

Legal Name of Recipient: City of Arroyo Grande

Recipient's Full Mailing Address: 214 East Branch St
Arroyo Grande, CA 93420

Recipient's Project Officer: Steve Adams Phone Number: (805) 473-5400 ext.

Email Address sadams@arroyo grande.org

Agreement Start Date: / / Agreement End Date: 06 / 14 / 2012

Annual Energy Savings: \$ 14,431.00 Total Loan Amount: \$ 158,156.00

Number of Repay Periods: (Leave blank if repay is based on energy savings)

Amendment: (Check all that apply) Agreement Number: _____

Term Extension – New End Date: / /

Change of Scope (include items A – G from below, as applicable)

Loan Augmentation: \$ 0.00

ITEMS TO ATTACH WITH REQUEST:

- A. Loan information including application and budget details.
- B. Recipient Resolution.
- C. Special Conditions, if applicable.
- D. CEQA Compliance Form.
- E. Other Documents as applicable.
 - Copy of Pre-Award Correspondence
 - Copy of All Other Relevant Documents
- F. ECM Codes, if applicable.
- G. Justification for Amendment.

California Environmental Quality Act (CEQA)

CEC finds, based on recipient's documentation in compliance with CEQA:

Project exempt: Section 14 CCR 15301 NOE filed: / /

Environmental Document prepared: Type NOD filed: / /

Other: Explain

CEC has made CEQA finding described in CEC-280, attached

Funding Information:

Source #1: <u>3% ARRA</u>	Amount: <u>\$ 158,156.00</u>	Statute: <u>2009</u>	FY: <u>2010</u>	Budget List #: <u>901.003D</u>
Source #2: _____	Amount: <u>\$ 0.00</u>	Statute: _____	FY: _____	Budget List #: _____
Source #3: _____	Amount: <u>\$ 0.00</u>	Statute: _____	FY: _____	Budget List #: _____

Business Meeting Approval: (refer to Business Meeting Schedule) Date due to Secretariat: 11 / 22 / 2010

Proposed Business Meeting Date: 12 / 29 / 2010 Consent Discussion

Business Meeting Participant: Haile Bucaneg Time Needed: 5 minutes

Agenda Notice Statement: (This is the description that will appear on the agenda)

Possible approval of a loan for \$158,156 for the City of Arroyo Grande to implement several energy efficiency measures including HVAC upgrades, HVAC Control upgrades, lighting equipment upgrades, lighting controls upgrades, installing vending machine misers, installing LCD computer monitors, install computer controls, and install LED streetlights. These projects will save the City of Arroyo Grande approximately 90,678 kWh and 1,085 therms annually. This translates to an annual energy cost savings of \$14,431. In addition to this loan, the City of Arroyo Grande has qualified for \$92,236 through the Energy Efficiency and Conservation Block Grant program and will apply for \$10,043 through utility rebates.

 Project Manager Date: <u>11/16/2010</u>	 Office Manager Date: <u>11/16/10</u>	 Deputy Director Date: <u>11/24/10</u>
 Executive Director Date: <u>11/23/10</u>	 Presiding Policy Committee Date: <u>11/30/10</u>	 Associate Policy Committee Date: <u>11/30/10</u>

Memorandum

To: Melissa Jones
Executive Director

Date : November 16, 2010

Telephone:(916) 654-4996

From: **California Energy Commission**
1516 Ninth Street
Sacramento CA 95814-5512

Subject: STAFF RECOMMENDATION TO APPROVE A \$158,156 LOAN WITH ARRA FUNDS TO THE CITY OF ARROYO GRANDE FOR ENERGY EFFICIENCY UPGRADES TO BE CONSIDERED AT THE DECEMBER 29 BUSINESS MEETING

Summary of Item

The City of Arroyo Grande has requested a loan for \$158,156 for energy efficiency upgrades at seven city buildings and new streetlights. Energy efficiency upgrades included in this project are:

- 1) Upgrade HVAC controls
- 2) Upgrade Lighting controls
- 3) Upgrade HVAC equipment
- 4) Retrofit Lighting equipment
- 5) Install controls on vending machines
- 6) Install LCD computer monitors
- 7) Install computer controls
- 8) Install LED streetlights

The projects will reduce the City's annual energy use by an estimated 90,678 kWh and 1,085 therms. This will save approximately \$14,431 annually in energy costs. The total project estimated installation cost is \$260,435 of which \$158,156 will be financed with the Energy Commission loan at an interest rate of three percent.

In addition to this loan the City of Arroyo Grande will also use approximately \$10,043 in utility rebates and \$92,236 from the Energy Efficiency and Conservation Block Grant Program.

Table 1 below summarizes the project savings, cost and simple payback for each project.

Table 1 - Summary of Project Cost and Savings

Project	Annual Electric Savings (kWh)	Annual Natural Gas Savings (therms)	Annual Cost Savings	Project Installation Cost	Simple Payback (Years)
Building Controls (HVAC)	23,815	822	\$3,876	\$35,019	9.0
HVAC Equipment	5,354	263	\$1,515	\$112,569	74.3
Lighting Equipment and Controls	20,455	--	\$3,271	\$61,045	18.7
Vending Machine Controls	1,874	--	\$300	\$1,118	3.7
Computer Monitors	460	--	\$74	\$463	6.3
Computer Controls	17,767	--	\$2,843	\$7,827	2.8
LED Streetlights	20,962	--	\$2,552	\$42,393	16.6
Total	90,678	1,085	\$14,431	\$260,435	18.0
Simple payback based on loan amount is 11 years					
				Energy Commission Loan	\$158,156
				Total Project Cost	\$ 260,435

Justification for Action Requested:

Energy Commission staff has determined that the loan request for the City of Arroyo Grande is technically justified and meets the requirements for a loan under ECAA. The program requires repayment of the loan, both interest and principal, within 15 years; this is equivalent to projects having a simple payback of 11 years or less. As this loan has an average simple payback of 11 years, it meets the requirement of the loan program. Further, this loan will allow the City of Arroyo Grande to supplement utility grant funding and Energy Efficiency Block Grant funds to implement energy projects that it otherwise may not have been able to complete.

Project Manager

Haile Bucaneg, Special Projects Office

Oral Presentation

Staff will be prepared to discuss this recommendation and to respond to questions regarding the loan.

Business Meeting Participants

Haile Bucaneg, Special Projects Office, Fuels and Transportation Division

Commission Action Requested

Approve the loan and authorize the Executive Director to execute the loan documents.

A handwritten signature in black ink that reads "Pat Perez". The signature is written in a cursive style with a long, sweeping flourish at the end.

Pat Perez, Deputy Director
Fuels and Transportation Division

EXHIBIT A

ATTACHMENT 1

BUDGET DETAIL/ PROJECT COST AND SAVINGS

This loan is made to the City of Arroyo Grande ("Borrower") for an Energy Savings Project. The project consists of HVAC equipment retrofits, building (HVAC) controls retrofits, lighting equipment retrofits, lighting control retrofits, installation of vending machine misers, installation of LCD computer monitors, installation of computer controls, and installation of LED streetlights to be installed at the City Council Chambers, Farm Credit Bureau, Fire Department, Community Center, Corporate Yard, Soto Complex, and Parks and Recreation Building in the City of Arroyo Grande.

The Table below summarizes the estimated project cost(s), saving(s) and simple payback(s) for the project.

TABLE 1: Summary of Project Cost and Savings:

Energy Efficiency Projects	Estimated Total Project Cost	Energy Commission Loan	Estimated Annual Energy Cost Savings	Payback* (Years)
Building Controls (20 Programmable Thermostats)	\$35,019		\$3,876	9.0
HVAC Replacement (4 3-ton Split Systems, 6 1.5-ton Wall Mount Packaged Units, 1 120 MBH Ceiling Mount Furnace, 1 125 MBH Ceiling Mount Furnace)	\$112,569		\$1,515	74.3
Lighting and Lighting Controls (See Attachment)	\$61,045		\$3,271	18.7
Vending Machine Misers (2 Units)	\$1,118		\$300	3.7
LCD Computer Monitors (2 Monitors)	\$463		\$74	6.3
Computer Controls (98 Computers)	\$7,827		\$2,843	2.8
LED Streetlights (38 Streetlights)	\$42,393		\$2,552	16.6
GRAND TOTAL ALL MEASURES	\$260,435	\$158,156	\$14,431	18.0

1.320 ply

* The payback based on the loan amount is 11 years.

The Borrower shall implement all projects in Table 1. Failure to implement all projects may reduce the approved loan amount. If necessary, the reduced loan amount will be determined by multiplying the annual energy cost

savings by 11. If the Borrower has received disbursements that exceed the amount of the reduced loan, the Borrower shall refund the difference to the Energy Commission.

Bldg/ Floor	Area	Area Type	Existing						Proposed				
			Fixture Qty	Fixture Type	Lamps/ Fixture	Lamp Type	Switch Type	Sensor Type	Fixture Description	Fixture Qty	Fixture Type	Lamps/ Fixture	Lamp Type
Community Center	Office	Community Center	1	4x4 S/M Prismatic	6	32W T8	Single	Wall Install	6L 32W T8	1	4L High Efficiency Ballast	6	28W T8 5000K
Community Center	Coat Room	Storage	1	1x4 S/M Prismatic	1	32W T8	Single	N/A	1L 32W T8	1	1L High Efficiency Ballast	1	28W T8 5000K
Community Center	Storage Closet	Storage	1	Sconce	1	60W A	Single	N/A	1L 60W A	1	1L CFL	1	15W CFL
Community Center	Storage Closet	Storage	1	Sconce	1	60W A	Single	N/A	1L 60W A	1	1L CFL	1	15W CFL
Community Center	Storage Closet	Storage	1	Sconce	1	60W A	Single	N/A	1L 60W A	1	1L CFL	1	15W CFL
Community Center	Mens RR	Community Center	2	1x4 S/M Prismatic	1	32W T8	Single	Ceiling Install	1L 32W T8	2	1L High Efficiency Ballast	1	28W T8 5000K
Community Center	Mens RR	Community Center	1	Sconce	1	60W A		Tandem Install	1L 60W A	1	1L CFL	1	15W CFL
Community Center	Mens RR	Community Center	1	Vanity Strip	4	40W Globe		Tandem Install	4L 40W Globe	1	4L CFL Globe	4	15W CFL Globe
Community Center	Womens RR	Community Center	2	1x4 S/M Prismatic	1	32W T8	Single	Ceiling Install	1L 32W T8	2	1L High Efficiency Ballast	1	28W T8 5000K
Community Center	Womens RR	Community Center	1	Sconce	1	60W A		Tandem Install	1L 60W A	1	1L CFL	1	15W CFL
Community Center	Womens RR	Community Center	1	Vanity Strip	4	60W A		Tandem Install	4L 60W A	1	4L CFL	4	15W CFL
Community Center	Back Hall	Community Center	18	2x4 Pendant Prismatic	2	32W T8	Single	N/A	2L 32W T8	18	2L High Efficiency Ballast	2	28W T8 5000K
Community Center	Front Hall	Community Center	15	2x4 Rec Prismatic	2	32W T8	Single	N/A	2L 32W T8	15	2L High Efficiency Ballast	2	28W T8 5000K
Community Center	Kitchen	Community Center	6	1x4 S/M Prismatic	2	32W T8	Single	N/A	2L 32W T8	6	2L High Efficiency Ballast	2	28W T8 5000K
Community Center	Exit Signs	Exit	0	No Retrofit				N/A		0		0	
Community Center	Exterior	Exterior	0	No Retrofit				N/A		0		0	
Corporate Yard	Utilities Supervisor Office	Private Office	2	2x4 S/M Prismatic	2	32W T8	Single	N/A	2L 32W T8	2	2L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	Street Dept Office	Private Office	2	1x4 S/M Prismatic	2	32W T8	Single	N/A	2L 32W T8	2	2L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	Office Closet	Storage	1	1x4 S/M Prismatic	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	Receptionist Office	Private Office	4	1x4 S/M Prismatic	2	32W T8	Single	N/A	2L 32W T8	4	2L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	Break Room	Breakroom	6	1x4 S/M Prismatic	2	32W T8	Single	Wall Install	2L 32W T8	6	2L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	Receptionist RR	Restroom	1	Sconce	1	60W A	Single	N/A	1L 60W A	1	1L CFL	1	15W CFL
Corporate Yard	Storage Closet	Storage	1	1x8 S/M Prismatic	2	59W T8 8Ft	Single	N/A	2L 59W T8 8Ft	1	4L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	Meeting Room	Conference	8	2x4 S/M Prismatic	2	32W T8	Dual	Wall Install	2L 32W T8	8	2L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	Mens RR	Restroom	2	Sconce	1	13W PL	Single	Ceiling Install	1L 13W PL	0	No Retrofit	0	No Retrofit
Corporate Yard	Main Garage	Open Office	9	1x8 S/M Strip No Lens	2	60W T12 8Ft	3	N/A	2L 60W T12 8Ft	9	4L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	Back Porch	Open Office	4	1x4 S/M Prismatic	2	32W T8	Single	N/A	2L 32W T8	4	2L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	Back Porch	Open Office	4	Sconce	1	70W MH	Photo Cell	N/A	1L 70W MH	0	No Retrofit	0	No Retrofit
Corporate Yard	Main Garage Closet	Storage	1	1x4 S/M No Lens	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K

Corporate Yard	Main Garage Office	Open Office	1	1x8 S/M No Lens	2	60W T12 8Ft	Single	Wall Install	2L 60W T12 8Ft	1	4L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	Main Garage Bay 2	Open Office	4	1x8 S/M Strip No Lens	2	59W T8 8Ft	Single	N/A	2L 59W T8 8Ft	4	4L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	South Garage Bays	Open Office	2	Circular Pendant	1	50W Flood	Single	N/A	1L 50W Flood	2	1L CFL Flood	1	15W CFL Flood
Corporate Yard	South Garage Bays	Open Office	4	Sconce	2	50W Flood		N/A	2L 50W Flood	4	2L CFL Flood	2	15W CFL Flood
Corporate Yard	South Garage Storage	Storage	5	1x8 S/M No Lens	2	60W T12 8Ft	Dual	Wall Install	2L 60W T12 8Ft	5	4L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	South Garage Workshop - West	Open Office	6	1x8 Pendant No Lens	2	59W T8 8Ft	Dual	N/A	2L 59W T8 8Ft	6	4L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	South Garage Workshop - West	Open Office	2	1x8 S/M No Lens	2	59W T8 8Ft		N/A	2L 59W T8 8Ft	2	4L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	S. Garage Wkshop West Office	Open Office	1	1x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	1	2L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	South Garage Workshop - East	Open Office	3	1x8 S/M No Lens	4	60W T12 8Ft	Dual	N/A	4L 60W T12 8Ft	3	4L High Efficiency Ballast	4	28W T8 5000K
Corporate Yard	South Garage Workshop - East	Open Office	2	1x4 S/M No Lens	4	34W T12		N/A	4L 34W T12	2	2L High Efficiency Ballast	4	28W T8 5000K
Corporate Yard	South Garage East RR	Restroom	1	Sconce	1	42W CFL	Single	Wall Install	1L 42W CFL	0	No Retrofit	0	No Retrofit
Corporate Yard	South Garage East Office	Open Office	2	1x8 S/M No Lens	2	60W T12 8Ft	Single	Wall Install	2L 60W T12 8Ft	2	4L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	South Garage East Shed	Storage	1	1x8 S/M No Lens	2	60W T12 8Ft	Single	Wall Install	2L 60W T12 8Ft	1	4L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	South Garage East Closet	Storage	1	Sconce	1	100W CFL	Single	N/A	1L 100W CFL	0	No Retrofit	0	No Retrofit
Corporate Yard	South Garage Exterior	Exterior	6	Sconce	1	70W Metal Halide	Photo Cell	N/A	1L 70W Metal Halide	0	No Retrofit	0	No Retrofit
Corporate Yard	Southeast Shed	Storage	2	Vandal Resistant	1	42W CFL	Photo Cell	N/A	1L 42W CFL	0	No Retrofit	0	No Retrofit
Corporate Yard	East Garage	Open Office	7	1x4 S/M Prismatic	2	34W T12	Photo Cell	N/A	2L 34W T12	7	2L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	West Garage	Open Office	2	1x8 Pendant No Lens	2	59W T8 8Ft	Photo Cell	N/A	2L 59W T8 8Ft	2	4L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	West Garage Storage	Storage	4	1x8 S/M No Lens	2	60W T12 8Ft	Single	N/A	2L 60W T12 8Ft	4	4L High Efficiency Ballast	2	28W T8 5000K
Corporate Yard	Exit Signs	Exit	0	No Retrofit				N/A		0		0	
Corporate Yard	Exterior	Exterior	0	No Retrofit				N/A		0		0	
Council Chambers	Server Room	Mech/Elec/Janitor	4	1x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	4	2L High Efficiency Ballast	2	28W T8 5000K
Council Chambers	RR	Restroom	1	Sconce	2	60W A	Single	Ceiling Install	2L 60W A	1	2L CFL	2	15W CFL
Council Chambers	Office	Private Office	1	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	1	2L High Efficiency Ballast	2	28W T8 5000K
Council Chambers	Stairway Landing	Hallway	1	Sconce	2	60W A	Single	N/A	2L 60W A	1	2L CFL	2	15W CFL
Council Chambers	Conference Room	Conference	8	1x4 S/M Prismatic	2	32W T8	Single	Wall Install	2L 32W T8	8	2L High Efficiency Ballast	2	28W T8 5000K
Council Chambers	Conf Room RR	Restroom	1	Sconce	2	60W A	Single	Wall Exist	2L 60W A	1	2L CFL	2	15W CFL
Council Chambers	Conf Room RR	Restroom	1	Sconce	1	60W A		Tandem Exist	1L 60W A	1	1L CFL	1	15W CFL
Council Chambers	Kitchen	Kitchen	1	1x4 S/M Prismatic	2	32W T8	Dual	Wall Install	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Council Chambers	Kitchen	Kitchen	1	Sconce	1	60W A		N/A	1L 60W A	1	1L CFL	1	15W CFL
Council Chambers	Foyer	Lobby	1	1x4 S/M Prismatic	2	34W T12	Single	N/A	2L 34W T12	1	2L High Efficiency Ballast	2	28W T8 5000K

Council Chambers	Council Chambers	Conference	24	2x4 Rec Prismatic	2	32W T8	Dual	N/A	2L 32W T8	24	2L High Efficiency Ballast	2	28W T8 5000K
Council Chambers	Exit Signs	Exit	0	No Retrofit				N/A		0		0	
Council Chambers	Exterior	Exterior	0	No Retrofit				N/A		0		0	
Farm Credit Bureau	Foyer	Lobby	2	6" Spotlight	1	15W CFL Flood	Single	N/A	1L 15W CFL Flood	0	No Retrofit	0	No Retrofit
Farm Credit Bureau	Open Cubicle Space	Open Office	14	2x4 Pendant Prismatic	2	34W T12	Dual	N/A	2L 34W T12	14	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Open Cubicle Space	Open Office	3	1x4 Surface Mount Prism	2	34W T12	Single	N/A	2L 34W T12	3	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Open Cubicle Space	Open Office	6	6" Rec Can	1	15W CFL Flood	Single	N/A	1L 15W CFL Flood	0	No Retrofit	0	No Retrofit
Farm Credit Bureau	Right Hall - 1st Office	Private Office	2	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Right Hall - 2nd Office	Private Office	2	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Right Hall - 3rd Office	Private Office	2	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Back Cubby Hole Space	Open Office	1	2x4 S/M Prismatic	2	34W T12	Single	N/A	2L 34W T12	1	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Right Hall - 4th Office	Private Office	2	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Right Hall - 5th Office	Private Office	2	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Right Hall - 6th Office	Private Office	2	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Right Hall - 7th Office	Private Office	2	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Mail Room	Open Office	2	1x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Left Hall	Hallway	8	6" Rec Can	1	15W CFL Flood	Single	N/A	1L 15W CFL Flood	0	No Retrofit	0	No Retrofit
Farm Credit Bureau	File Room	Storage	2	1x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Kitchen	Kitchen	2	1x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Womens RR	Restroom	2	1x4 S/M Prismatic	2	34W T12	Single	Ceiling Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Womens RR	Restroom	1	Vanity Strip	4	40W Globe		Tandem Install	4L 40W Globe	1	4L CFL Globe	4	15W CFL Globe
Farm Credit Bureau	Exit Foyer	Lobby	1	6" Rec Can	1	15W CFL Flood	Single	N/A	1L 15W CFL Flood	0	No Retrofit	0	No Retrofit
Farm Credit Bureau	Left Hall - 1st Office	Private Office	2	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Left Hall - 2nd Office	Private Office	2	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Mens RR	Restroom	2	1x4 S/M Prismatic	2	34W T12	Single	Ceiling Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Mens RR	Restroom	1	Vanity Strip	4	40W Globe		Tandem Install	4L 40W Globe	1	4L CFL Globe	4	15W CFL Globe
Farm Credit Bureau	Shower Room	Restroom	1	6" Rec Can	1	50W Flood	Single	Wall Install	1L 50W Flood	1	1L CFL Flood	1	15W CFL Flood

Farm Credit Bureau	Left Hall - 3rd Office	Private Office	2	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	2	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Left Hall - 4th Office	Private Office	4	2x4 S/M Prismatic	2	34W T12	Dual	Wall Install	2L 34W T12	4	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Stairway	Hallway	2	6" Pendant	1	15W CFL Flood	Single	N/A	1L 15W CFL Flood	0	No Retrofit	0	No Retrofit
Farm Credit Bureau	Upstairs Landing	Hallway	5	6" Rec Can	1	15W CFL Flood	Single	N/A	1L 15W CFL Flood	0	No Retrofit	0	No Retrofit
Farm Credit Bureau	Sink Room	Restroom	1	1x4 S/M Prismatic	2	34W T12	Single	N/A	2L 34W T12	1	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	RR	Restroom	1	1x4 S/M Prismatic	2	34W T12	Single	Ceiling Install	2L 34W T12	1	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Meeting room	Conference	6	2x4 S/M Prismatic	2	34W T12	Single	Wall Install	2L 34W T12	6	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Closet	Storage	1	1x4 S/M Prismatic	2	34W T12	Single	N/A	2L 34W T12	1	2L High Efficiency Ballast	2	28W T8 5000K
Farm Credit Bureau	Exit Signs	Exit	0	No Retrofit				N/A		0		0	
Farm Credit Bureau	Exterior	Exterior	0	No Retrofit				N/A		0		0	
Fire Department	Foyer	Lobby	8	2x2 Rec Parabolic w/Reflector	2	17W T8 2Ft	Single	N/A	2L 17W T8 2Ft	8	2L High Efficiency Ballast RO	2	17W T8 2Ft 5000K
Fire Department	Chiefs Office	Private Office	3	2x2 Rec Parabolic w/Reflector	2	17W T8 2Ft	Dual	Wall Install	2L 17W T8 2Ft	3	2L High Efficiency Ballast RO	2	17W T8 2Ft 5000K
Fire Department	Chiefs Office	Private Office	6	6" Rec Can	1	50W Flood		N/A	1L 50W Flood	6	1L CFL Flood	1	15W CFL Flood
Fire Department	Admin Office	Private Office	3	2x2 Rec Parabolic w/Reflector	2	17W T8 2Ft	Dual	Wall Install	2L 17W T8 2Ft	3	2L High Efficiency Ballast RO	2	17W T8 2Ft 5000K
Fire Department	Admin Office	Private Office	3	6" Rec Can	1	50W Flood		N/A	1L 50W Flood	3	1L CFL Flood	1	15W CFL Flood
Fire Department	Operations Office	Private Office	8	2x2 Rec Parabolic w/Reflector	2	17W T8 2Ft	Single	Wall Install	2L 17W T8 2Ft	8	2L High Efficiency Ballast RO	2	17W T8 2Ft 5000K
Fire Department	Womens RR	Restroom	1	2x2 S/M Opaque	4	17W T8 2Ft	Single	Wall Install	4L 17W T8 2Ft	1	2L High Efficiency Ballast RO	4	17W T8 2Ft 5000K
Fire Department	Womens RR	Restroom	1	1x4 S/M Prismatic	2	32W T8		Tandem Install	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Mens RR	Restroom	1	2x2 S/M Opaque	4	17W T8 2Ft	Single	Wall Install	4L 17W T8 2Ft	1	2L High Efficiency Ballast RO	4	17W T8 2Ft 5000K
Fire Department	Mens RR	Restroom	1	1x4 S/M Prismatic	2	32W T8		Tandem Install	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Back Hall	Hallway	9	2x2 Rec Parabolic w/Reflector	2	17W T8 2Ft	Dual	N/A	2L 17W T8 2Ft	9	2L High Efficiency Ballast RO	2	17W T8 2Ft 5000K
Fire Department	Folding Door Closet	Storage	1	Sconce	1	60W A	Single	N/A	1L 60W A	1	1L CFL	1	15W CFL
Fire Department	Custodian Closet	Storage	1	1x4 S/M No Lens	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Tel/Data Closet	Storage	1	1x4 S/M No Lens	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Day Room	Open Office	4	2x2 Rec Parabolic w/Reflector	2	17W T8 2Ft	Single	Wall Install	2L 17W T8 2Ft	4	2L High Efficiency Ballast RO	2	17W T8 2Ft 5000K
Fire Department	Day Room	Open Office	2	Pendant	5	35W Halogen	Single	N/A	5L 35W Halogen	0	No Retrofit	0	No Retrofit

Fire Department	Day Room	Open Office	5	Pendant	1	15W CFL	Single	N/A	1L 15W CFL	0	No Retrofit	0	No Retrofit
Fire Department	Turnout Lockers	Open Office	4	1x4 S/M Prismatic	2	32W T8	Single	Ceiling Install	2L 32W T8	4	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Laundry	Mech/Elec/Janitor	4	1x4 S/M Prismatic	2	32W T8	Single	Wall Install	2L 32W T8	4	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Fire Garage	Open Office	30	1x4 Pendant No Lens	2	32W T8		N/A	2L 32W T8	30	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Stairway	Hallway	4	Sconce	2	15W CFL		N/A	2L 15W CFL	0	No Retrofit	0	No Retrofit
Fire Department	Upstairs Hallway	Hallway	6	2x2 Rec Parabolic w/Reflector	2	17W T8 2Ft	Single	N/A	2L 17W T8 2Ft	6	2L High Efficiency Ballast RO	2	17W T8 2Ft 5000K
Fire Department	Upstairs Hallway	Hallway	4	Emergency Lighting	1	35W Halogen		N/A	1L 35W Halogen	0	No Retrofit	0	No Retrofit
Fire Department	Meeting Room	Conference	3	1x12 Pendant	9	32W T8	Single	Wall Install	9L 32W T8	3	3L High Efficiency Ballast	9	28W T8 5000K
Fire Department	Meeting Room	Conference	4	4x8 Rec Parabolic w/Reflector	1	15W CFL		Tandem Install	1L 15W CFL	0	No Retrofit	0	No Retrofit
Fire Department	Physical Fitness Room	Open Office	4	2x2 Rec Prismatic	2	17W T8 2Ft	Dual	Ceiling Install	2L 17W T8 2Ft	4	2L High Efficiency Ballast RO	2	17W T8 2Ft 5000K
Fire Department	Bunkroom 1	Storage	1	2x4 S/M Opaque	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Bunkroom 2	Storage	1	2x4 S/M Opaque	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Bunkroom 3	Storage	1	2x4 S/M Opaque	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Bunkroom 4	Storage	1	2x4 S/M Opaque	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Bunkroom 5	Storage	1	2x4 S/M Opaque	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Bunkroom 6	Storage	1	2x4 S/M Opaque	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Mens RR	Restroom	3	1x4 S/M Prismatic	2	32W T8	Single	Ceiling Install	2L 32W T8	3	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Mens RR	Restroom	2	12" Sconce	1	32W Circuline		Tandem Install	1L 32W Circuline	0	No Retrofit	0	No Retrofit
Fire Department	Mens RR	Restroom	3	6" Rec Can	2	15W CFL	Single	Tandem Install	2L 15W CFL	0	No Retrofit	0	No Retrofit
Fire Department	Womens RR	Restroom	3	1x4 S/M Prismatic	2	32W T8	Single	Ceiling Install	2L 32W T8	3	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Womens RR	Restroom	2	12" Sconce	1	32W Circuline		Tandem Install	1L 32W Circuline	0	No Retrofit	0	No Retrofit
Fire Department	Womens RR	Restroom	3	6" Rec Can	2	15W CFL	Single	Tandem Install	2L 15W CFL	0	No Retrofit	0	No Retrofit
Fire Department	Janitorial Closet	Mech/Elec/Janitor	1	1x4 S/M Prismatic	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Tel/Data Closet	Mech/Elec/Janitor	1	1x4 S/M Prismatic	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Fire Department	Fire Pole	Lobby	1	6" Rec Can	1	50W Flood		N/A	1L 50W Flood	1	1L CFL Flood	1	15W CFL Flood
Fire Department	Exit Signs	Exit	0	No Retrofit				N/A		0		0	
Fire Department	Exterior	Exterior	0	No Retrofit				N/A		0		0	
Parks & Recreation/Preschool	Main Entry Hall	Parks & Recreation	3	2x4 Rec Prismatic	2	32W T8	Single	N/A	2L 32W T8	3	2L High Efficiency Ballast	2	28W T8 5000K
Parks & Recreation/Preschool	Main Entry Hall	Parks & Recreation	4	2x2 Rec Prismatic	2	17W T8 2Ft		N/A	2L 17W T8 2Ft	4	2L High Efficiency Ballast RO	2	17W T8 2Ft 5000K

Parks & Recreation/Preschool	Mens RR	Parks & Recreation	2	Sconce	2	60W A	Single	Ceiling Exist	2L 60W A	2	2L CFL	2	15W CFL
Parks & Recreation/Preschool	Womens RR	Parks & Recreation	2	Sconce	2	60W A	Single	Ceiling Exist	2L 60W A	2	2L CFL	2	15W CFL
Parks & Recreation/Preschool	Preschool Play Area	Parks & Recreation	40	2x4 Rec Prismatic	2	32W T8	Dual	N/A	2L 32W T8	40	2L High Efficiency Ballast	2	28W T8 5000K
Parks & Recreation/Preschool	Preschool Info Area	Parks & Recreation	12	2x4 Rec Prismatic	2	32W T8	Single	Wall Install	2L 32W T8	12	2L High Efficiency Ballast	2	28W T8 5000K
Parks & Recreation/Preschool	Preschool Classroom	Parks & Recreation	12	2x4 Rec Prismatic	2	32W T8	Single	Wall Install	2L 32W T8	12	2L High Efficiency Ballast	2	28W T8 5000K
Parks & Recreation/Preschool	Back RR	Parks & Recreation	2	Sconce	2	15W CFL	Single	Ceiling Install	2L 15W CFL	0	No Retrofit	0	No Retrofit
Parks & Recreation/Preschool	Back RR	Parks & Recreation	1	1x4 S/M Prismatic	2	32W T8		Tandem Install	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Parks & Recreation/Preschool	Copy Hallway	Parks & Recreation	3	2x2 Rec Prismatic	2	17W T8 2Ft	Single	N/A	2L 17W T8 2Ft	3	2L High Efficiency Ballast RO	2	17W T8 2Ft 5000K
Parks & Recreation/Preschool	Electronics Closet	Mech/Elec/Janitor	1	2x4 Rec Prismatic w/Reflector	2	32W T8	Single	N/A	2L 32W T8	1	2L High Efficiency Ballast	2	28W T8 5000K
Parks & Recreation/Preschool	Storage Closet	Storage	2	2x4 Rec Prismatic	2	32W T8	Single	N/A	2L 32W T8	2	2L High Efficiency Ballast	2	28W T8 5000K
Parks & Recreation/Preschool	Back Office	Parks & Recreation	8	2x4 Rec Prismatic	2	32W T8	Single	Wall Install	2L 32W T8	8	2L High Efficiency Ballast	2	28W T8 5000K
Parks & Recreation/Preschool	Main Office	Parks & Recreation	4	2x4 Rec Prismatic	2	32W T8	Single	N/A	2L 32W T8	4	2L High Efficiency Ballast	2	28W T8 5000K
Parks & Recreation/Preschool	Director Office	Parks & Recreation	4	2x4 Rec Prismatic	2	32W T8	Single	Wall Install	2L 32W T8	4	2L High Efficiency Ballast	2	28W T8 5000K
Parks & Recreation/Preschool	Rec Supervisor Office	Parks & Recreation	4	2x4 Rec Prismatic	2	32W T8	Single	Wall Install	2L 32W T8	4	2L High Efficiency Ballast	2	28W T8 5000K
Parks & Recreation/Preschool	Exit Signs	Exit	0	No Retrofit				N/A		0		0	
Parks & Recreation/Preschool	Exterior	Exterior	0	No Retrofit				N/A		0		0	
Soto Sports Complex	Sports Complex Office	Sports	6	1x8 S/M No Lens	2	34W T12	Dual	Wall Install	2L 34W T12	6	2L High Efficiency Ballast	2	28W T8 5000K
Soto Sports Complex	Sports Complex Office	Sports	1	1x4 S/M No Lens	2	34W T12	Single	Wall Install	2L 34W T12	1	2L High Efficiency Ballast	2	28W T8 5000K
Soto Sports Complex	Rec Hall	Sports	3	Track Pendant	3	60W A	Single	N/A	3L 60W A	3	3L CFL	3	15W CFL
Soto Sports Complex	Womens RR	Sports	2	1x4 S/M No Lens	2	32W T8	Single	Ceiling Install	2L 32W T8	2	2L High Efficiency Ballast	2	28W T8 5000K
Soto Sports Complex	Mens RR	Sports	2	1x4 S/M No Lens	2	32W T8	Single	Ceiling Install	2L 32W T8	2	2L High Efficiency Ballast	2	28W T8 5000K
Soto Sports Complex	Storage Room	Storage	2	1x4 S/M No Lens	2	32W T8	Single	Wall Install	2L 32W T8	2	2L High Efficiency Ballast	2	28W T8 5000K
Soto Sports Complex	Snack Bar	Sports	2	1x4 S/M No Lens	2	32W T8	Single	Wall Install	2L 32W T8	2	2L High Efficiency Ballast	2	28W T8 5000K
Soto Sports Complex	Exit Signs	Exit	0	No Retrofit				N/A		0		0	
Soto Sports Complex	Exterior	Exterior	0	No Retrofit				N/A		0		0	