# Agenda Item No. 38

# County of Santa Clara Facilities And Fleet Department

Capital Programs



FAF02 100504

Prepared by: Lin Ortega

Interim Manager, GSA Building Operations

DATE:

October 5, 2004

TO:

Board of Supervisors

FROM:

Lang Junking SD

Larry Jinkins

Director of Facilities and Fleet Department

SUBJECT:

Report Back - County Energy Conservation Achievements

# **RECOMMENDED ACTION**

Accept this informational report regarding the achievements of the County Energy Conservation Program.

# FISCAL IMPLICATIONS

There is no impact to the General Fund as a result of accepting this report.

# **CONTRACT HISTORY**

Agenda Item No. 38

Not applicable.

# REASONS FOR RECOMMENDATION

A referral was made at the August 3, 2004 Board of Supervisors meeting regarding the County's level of success in reducing its electrical energy consumption. This report provides that information and additional supplemental information.

# **BACKGROUND**

In 2001, the State of California was faced with the worst energy crisis of recent history. On May 15, 2001, as a result of the energy crisis, the Board of Supervisors formed the Emergency Energy Task Force (EETF) committee, co-chaired by Supervisors Pete McHugh and Liz Kniss, to reduce the County's consumption of energy. The EETF committee directed the former General Services Agency (GSA) to carry out a number of very important measures designed to conserve energy usage in County facilities and to alleviate the need for rotating power outages. The EETF committee set an initial energy conservation goal of 10%, which was subsequently raised to 20% because of the continued dismal power supply projections by the State's energy providers. Successful implementation of these measures required the commitment and leadership of each and every County agency and department director, as well as concerted action and some sacrifices by every employee.

As a result of these extensive efforts, the County's consumption of electrical energy was 19.8 % lower in Fiscal Year 2004 then it was in Fiscal Year 2001. The Fiscal Year 2001 electrical consumption was 101,701,934 kWh. The Fiscal Year 2004 consumption was 81,577,581 kWh.

Attachment 1 summarizes the energy consumption for the County's four major electrical accounts for Fiscal Years 2000 through 2004. The data and graphs show that the County was able to reduce its electrical energy consumption by 20.3 % for these four major building complexes from FY 2000 to FY 2004.

Altogether, the County met its 20 % reduction goal.

GSA provided periodic progress reports to the EETF from the time the EETF was formed in 2001 until it was discontinued in 2002. GSA continued providing reports to the Finance and Government Operations Committee (FGOC) from 2002 until the present. The following is a summation of some of the information that was provided in those reports. During the past three years the County has:

- 1. Completed over 500 individual energy conservation projects designed to reduce the County's gross power consumption and to reduce peak power demand.
- 2. Installed real-time electrical power meters.
- 3. Initiated work on the facilities Enterprise Energy Management System.
- 4. Analyzed energy usage in County occupied facilities and implemented energy reduction measures.

BOS Agenda Date : October 5, 2004

Agenda Item No. 38

- 5. Recommended County Purchasing Policies for purchasing energy efficient equipment.
- 6. Initiated the County's participation in PG&E's Energy Savings by Design program.
- 7. Analyzed and recommended alternatives for peak and gross energy demand reductions in the County.
- 8. Conducted energy audits of County facilities.
- 9. Studied the feasibility of using co-generation power plants.
- 10. Studied the feasibility of using alternative renewable power sources.
- 11. Implemented a County-wide Energy Savings Suggestion Program.
- 12. Subscribed to available rebate and incentive programs to help finance some of the County's energy conservation efforts.
- 13. Created an Energy web site for suggestions and power supply status.

### **Projects and Energy Conservation Measures**

Since 2001, the County has completed over 500 energy conservation projects at a cost of approximately \$3.2 million (see Attachment 2). Such projects have included:

- a. Installation of 6,800 task lighting motion sensors;
- b. Installation of 1,459 room lighting motion sensors;
- c. Installation of new lighting controls systems in eight buildings;
- d. Rewiring of lighting circuits to allow for uniform lighting;
- e. Optimization of HVAC air intake economizers to take advantage of cool outside air thus reducing the need for mechanically cooled air;
- f. Installation of 116 HVAC system time clocks and programmable thermostats;
- g. Replacement of 139 incandescent exit signs with energy efficient LED (light emitting diode) exit signs;
- h. Installation of reflective film on windows;
- i. Installation of 23 cool roof systems;
- j. Installation of boiler controls for more efficient gas usage on boiler systems;
- k. Installation of attic fans;

BOS Agenda Date: October 5, 2004

Agenda Item No. 38

- 1. Installation of automatic tube brush cleaning systems for chillers;
- m. Installation of 69 power meters;
- n. Replacement of two water pumping stations; and
- o. Retrofit of 716 lighting fixtures with energy efficient fluorescent lamps.

#### Installation of Real-Time Electrical Power Meters

On June 25, 2002, the Board of Supervisors approved the Power Meter Installation Project by awarding the contract to Control Manufacturing Company (CMC). This project was approved as Phase One of a two-phase program, and was done to measure consumption at specific buildings and to evaluate the quality and consistency of power being provided by PG&E. Prior to the installation of these power meters, the County did not have a means to readily track energy demand and could only rely upon data being provided by PG&E and other local utility providers. This project consisted of installing 69 power meters, and was completed in December 2002. Attachment 3 provides a listing of sites where power meters were installed.

### Enterprise Energy Management System

Phase Two of the effort describe above is the installation of the Enterprise Energy Management System (EEMS). The EEMS is the overall system that will give the County the ability to properly manage and control its electrical utilities, and the potential to participate in load shedding energy rebate incentive programs. This system will enable the County to control building power usage from the Building Operations MAC Room. The Board approved the funding for this project at the August 3, 2004 Board Meeting. An RFP is being prepared.

#### **Energy Usage in County Occupied Facilities**

On June 8, 2001, the EETF requested GSA to establish and manage the County Energy Conservation Program, which consists of managing energy conservation projects and work orders, and identifying other potential means to reduce the County's energy consumption.

In addition to completing many energy conservation projects, GSA also analyzed building occupancy and employee work schedules, and provided recommendations on possible alternatives that would lead to lower energy consumption in some County buildings. GSA's analysis concluded with the recommendation to the EETF that the building utility operating schedules be modified as opposed to other alternatives such as changing work schedules for employees or closing buildings. This recommendation focused on operating building electrical systems at full capacity only during actual working hours. This alternative proved to be the least disruptive to County workloads and mandated services while being effective in terms of energy savings. For example – 2,473 kWh were saved per day by changing the 70 W Hedding East Wing building systems operating hours from the former operating hours of 5 am to 2 am to new operating hours of 6 am to 9 pm.

### **Procurement Policies**

GSA Procurement Department, with Board approval, developed and implemented new purchasing energy conservation friendly policies. Such policy recommendations included the requirement that all electrical/electronic devices purchased

BOS Agenda Date : October 5, 2004

Agenda Item No. 38

must be Energy Star rated.

#### Capital Programs Savings by Design

PG&E manages a "Savings by Design" program by which utility users may receive financial rebates by designing buildings that achieve energy conservation goals that are greater than those required by California Title 24 standards. The Capital Programs Division is participating in this program for each of the Bond funded programs. The Valley Specialty Center is the first facility to receive recognition under the "Savings by Design" program. That facility has been designed to achieve energy consumption that is 18 % lower than the Title 24 requirements. This will save the County an estimated \$254,000 in annual energy costs and makes the County eligible to receive a \$150,000 PG&E rebate when the project is completed.

### Gross and Peak Load Reductions

GSA investigated and reported on various alternatives to reduce the County's peak and gross electrical consumption and provided recommendations for each. Gross energy consumption reductions were identified as permanent reductions which typically involved permanent alterations to the building systems. Peak energy consumption reductions involved temporary changes designed to alleviate load demand during high consumption/low power supply periods (i.e., Stages 2 and 3). Some of the efforts undertaken to reduce gross energy demand were described earlier in this report. Another important example would be the changing of temperature set—points in many buildings to 78 degrees for cooling and 68 degrees for heating for the peak period summer months and 70 degrees for heating and 76 degrees for cooling in the peak winter months. Since 2002, the temperature set points where changed to remain at 70/76 throughout the year instead of changing them seasonally.

Peak load reductions included alternatives such as reducing lighting levels where practical and operating emergency power generators as a means of load shedding to alleviate the power grid during high demand/low power supply conditions. This last alternative (use of emergency power generators) was discontinued upon learning of the air pollution restrictions imposed by the Bay Area Air Quality Management District (BAAQMD). Because this was a very efficient and direct way to reduce load, GSA investigated filter alternatives for its emergency generators so that these could be operated when needed and still comply with the BAAQMD strict air quality guidelines. The generator filter alternative proved to be too costly to implement.

#### **Energy Audits**

In efforts to compile a comprehensive list of energy conservation measures, the EETF recommended that GSA perform comprehensive facility energy audits. GSA issued a RFP to prospective bidders and eventually secured the services of Chevron Energy Solutions (Chevron) at a cost of \$355,316. Chevron performed energy audits on approximately 145 County owned buildings covering over 3.6 million square feet (see Attachment 4). Chevron's energy audits yielded a number of Energy Conservation Measures (ECM) projects that were recommended for further evaluation. Examples of such projects included lighting retrofits, HVAC system modifications, installation of co-generation plants, and water conservation measures. GSA evaluated the proposed projects against the financial criteria of available rebates, grants, and payback periods. The County has completed five of these projects at a cost of \$756,295 (see Attachment 5). One project remains to be completed. This is the Berger 2 Chiller project approved by the Board on August 3, 2004 at a value of \$278,200. This last project will bring the total investment in Chevron recommended projects to \$1,034,495.

#### Co-Generation Power Plants

Agenda Item No. 38

The consulting firm of Kuhn and Kuhn was hired to provide an analysis of the Chevron recommended project for installation of co-generation plants at the Main Jail North and Elmwood facilities. Co-generation was recommended for evaluation because the 24/7 operation of these two correctional facilities provided a constant load and had a higher potential for producing positive savings as a result. Unfortunately, the Kuhn and Kuhn analysis showed these projects were not economically viable projects and produced no immediate or mid-range savings. The project financing, operating and maintenance costs were higher than the savings achieved.

### Alternative Renewable Energy Resources

Being sensitive to the effects that power generation plants produce on the environment, and the potential for minimal recurring investments to acquire power generation means, the EETF committee requested that GSA research alternative renewable energy resources and study the possibility of installing such systems in County owned facilities. Reports on the various alternative energy resources, such as solar, wind, geothermal, biomass, and fuel cells were generated by Kuhn and Kuhn and were presented to the FGOC in 2002.

### Countywide Energy Savings Suggestion Program

In efforts to involve all County employees, the EETF Committee implemented the County-wide Energy Savings Suggestion Program. This program proved very successful, particularly during the early to mid stages of the energy conservation efforts. This program yielded in excess of 300 energy conservation suggestions during this time period.

### Rebate Updates

According to PG&E records, the County had received over \$1.7 million in rebates from 1990 to 1999. The magnitude of these rebates show that the County was heavily involved in energy conservation projects prior to the 2001 energy crisis.

Since the 2001 energy crisis, the County has received a total of \$391,758 in energy and water conservation related rebates (see Attachment 6). These rebates have been generated as a result of subscriptions made by the County to the different incentive programs offered by entities such as PG&E, California Energy Commission, and other program sponsors such as the City of San Jose (for water conservation). Thus far in FY05, the County has received \$36,108, and is expecting an additional \$50,000 before the end of the fiscal year. Including the anticipated rebate of \$50,000, the County's total for energy and water conservation related rebates will be \$441,758 before the end of the current fiscal year. The County will be receiving a \$150,000 rebate under the PG&E Savings by Design program when the Valley Specialty Center is completed in FY 07.

#### **Current Energy Conservation Projects**

The FAF Building Operations Division has programmed two energy conservation projects for FY05: 1) the HVAC related project for Building 2 at Berger Drive, and 2) installation of the EEMS.

The HVAC project programmed for Berger 2 involves adding a small chiller to support the main computer room during off hours. Currently this room is supported by a much larger chiller system that also supports other parts of the facility, even when not needed. The installation of this smaller chiller will provide sufficient cooling for the computer room and will operate at a much lower electrical cost. This measure is expected to generate about \$29K in annual energy savings and \$50,000 in one—time energy rebates.

Agenda Item No. 38

The installation of the EEMS is phase two of the two-phase EEMS project described earlier in the report. The first phase consisted of installing 69 additional real-time electrical power meters; this second phase involves installing the EEMS system and linking all the power meters installed during phase one to existing computerized building control systems (e.g., GE TLC Lighting controls, Andover, Johnson Controls, etc.) to provide true energy management capabilities. The total project cost to implement this system will be \$313,000; these are Fund 50 funds that have already been allocated and approved by the Board of Supervisors.

FAF Capital Programs Division is continuing to pursue efforts under the PG&E Savings by Design program for the Bond funded projects. The Crime Laboratory is currently being studied for means to exceed the energy conservation goals of California Title 24 and eligibility for the PG&E Savings by Design program.

# **CONSEQUENCES OF NEGATIVE ACTION**

If this report is not accepted, the Board will not have the most recent information regarding the County's success in reducing its electrical energy consumption.

# STEPS FOLLOWING APPROVAL

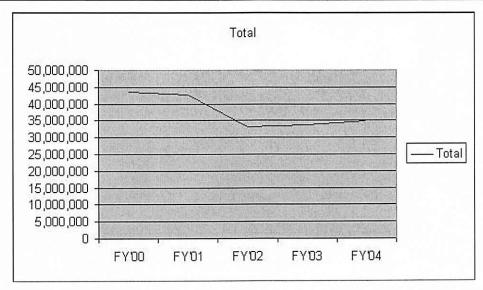
The Clerk of the Board of Supervisors will forward one conformed copy of this transmittal to the Facilities and Fleet Department, Intergovernmental Services Division, 2310 North First Street San Jose, CA.

# **ATTACHMENTS**

- (Transmittal submitted on Sep 23, 2004 12:00:06 PM PDF Version)
- Attachment 1 Energy Savings Summary (Miscellaneous)
- Attachment 2 Energy Conservation Projects Matrix (Miscellaneous)
- Attachment 3 Power Meter Installations (Miscellaneous)
- Attachment 4 Chevron Audited Facilities (Miscellaneous)
- Attachment 5 -CES Energy Conservation Measures (Miscellaneous)
- Attachment 6 Rebates to Date (Miscellaneous)

Attachment 1 Energy Savings Summary (Savings reflected compare FY00 to FY04)

		180	171	55		
FY	Berger Dr.	Hedding	Hedding	Younger	Total	% Savings
FY'00	10,848,270	18,788,055	526,960	13,453,336	43,616,621	
FY'01	10,326,170	15,016,800	769,440	16,523,057	42,635,467	
FY'02	8,410,455	13,447,200	604,320	10,684,788	33,146,763	
FY'03	8,542,944	13,485,600	641,920	11,150,310	33,820,774	
FY'04	8,977,768	13,588,800	591,280	11,590,996	34,748,844	
	Ener	gy Reduction	Comparison	between FY0	0 and FY04:	-20.33%



# The data above includes the following buildings:

Berger Dr.	180 Hedding	171 Hedding	55 Younger
Berger 1	Main Jail North		Sheriffs Office
Berger 2	Main Jail South	Dorking	West Wing
Berger 3	HOJ East & West	Parking Garage	East Wing
Roads &	Juvenile Hall	Carago	Fleet Garage
Airports	Complex		Fleet Office

# Attachment 6

(Rebates To Date)

Year/ Payment From	Amount	GL Acct	Cost Center	Date	Log#
FY 05					
CHEVRONTEXACO (Energy Rebate)	36,108.78	4723550	2516	8/13/04	002463
YTD Rebates FY05	\$36,108.78				
FY 04					
CHEVRONTEXACO	\$14,172.40	4723550	2516	06/22/04	020289
CITY OF SAN JOSE	\$50,000.00	4723550	2516	06/22/04	020289
PRINCETON DEVELOPMENT	\$3,153.00	4723550	2516	07/29/03	001579
PRINCETON DEVELOPMENT	\$3,153.00	4723550	2516	08/26/03	003195
PRINCETON DEVELOPMENT	\$3,153.00	4723550	2516	10/16/03	006117
PRINCETON DEVELOPMENT	\$153.00	4723550	2516	12/03/03	008698
PRINCETON DEVELOPMENT	\$3,153.00	4723550	2516	12/30/03	010140
PRINCETON DEVELOPMENT	\$3,153.00	4723550	2516	01/13/04	010866
PRINCETON DEVELOPMENT	\$3,153.00	4723550	2500	02/27/04	013439
PRINCETON DEVELOPMENT	\$3,153.00	4723550	2516	03/26/04	015146
PRINCETON DEVELOPMENT	\$3,153.00		2516	04/20/04	016521
PRINCETON DEVELOPMENT	\$3,153.00	4723550	2516	06/08/04	019479
Total Rebates FY04	\$92,702.40				
FY 01 - FY03 (Previously Reported)					
PG&E Ck#8632765	\$156.75	9771	2515	01/02/00	4913
PG&E 976 Lenzen Ck#8366782	\$4,500.00	9771	2515	07/24/01	1450
PG&E 976 Lenzen Ck#188017	\$1,080.00	9771	2515	07/24/01	1451
PG&E 850 Thornton Ck#8366783	\$780.00	9771	2515	07/24/01	1450
PG&E 701 Abel Ck#8366802	\$2,310.00	9771	2515	07/24/01	1450
PG&E 614 Tully Ck#8366793	\$1,200.00	9771	2515	07/24/01	1449
PG&E 590 East Middlefield Ck#8366784	\$90.00	9771	2515	07/24/01	1449
PG&E 55 West Younger Ck#8366794	\$15,270.00	9771	2515	07/24/01	1449
PG&E 55 West Younger Ck#8366797	\$13,350.00	9771	2515	07/24/01	1449
PG&E 55 West Younger Ck#8366801	\$13,230.00	9771	2515	07/24/01	1449
PG&E 55 West Younger Ck#8366779	\$19,500.00	9771	2515	07/24/01	1451
PG&E 55 West Younger Ck#8354985	\$4,503.00	9771	2515	07/24/01	1451
PG&E 55 West Younger Ck#8355095	\$715.00	9771	2515	07/24/01	1451
PG&E 4525 Union #10A Ck#8366787	\$5,593.50	9771	2515	07/24/01	1447
PG&E 4525 Union #10A Ck#8366781	\$2,640.00	9771	2515	07/24/01	1450
PG&E 298 Garden Hill Ck#8366780	\$2,400.00	9771	2515	07/24/01	1449
PG&E 2700 Carol Ck#8366789	\$1,800.00	9771	2515	07/24/01	1450
PG&E 2645 Zanker Ck#8366796	\$8,370.00	9771 0771	2515 2515	07/24/01	1447 1447
PG&E 2610 N. 1st St #201 Ck#8366796	\$7,650.00	9771 9771	2515 2515	07/24/01 07/24/01	1450
PG&E 1989 McKee Ck#8366791	\$1,050.00	9771 9771	2515 2515	07/24/01	1447
PG&E 180 West Hedding Ck#8366785	\$2,029.50	9771 0771	2515 2515	07/24/01	1448
PG&E 180 West Hedding Ck#8366799	\$5,550.00	9771 9771	2515 2515	07/24/01	1451
PG&E 180 West Hedding Ck#8366778	\$9,000.00	9771 9771	2515 2515	07/24/01	1448
PG&E 1735 N. 1st St. Ck#8366798	\$4,650.00	9771 9771	2515 2515	07/24/01	1448
PG&E 1725 Technology Ck#8366790 PG&E 1555 Berger Drive Ck#8366795	\$24,000.00 \$99.00	9771	2515 2515	07/24/01	1447

PG&E 1555 Berger Drive Ck#8366803	\$13,950.00	9771	2515	07/24/01	1448
PG&E 1555 Berger Drive Ck#8366800	\$3,420.00	9771	2515	07/24/01	1448
PG&E 1555 Berger Drive Ck#8366792	\$2,280.00	9771	2515	07/24/01	1448
PG&E 1555 Berger Drive Ck#8366786	\$1,500.00	9771	2515	07/24/01	1451
PG&E 217 Devcon Ck#8384912	\$6,000.00	9771	2515	08/10/01	2714
PG&E 95 W. Younger Ck#8410236	\$510.00	9771	2515	08/29/01	4105
PG&E 701 Abel Ck#8407279	\$252.00	9771	2515	08/29/01	4104
PG&E 660 S. Fairoaks Ck#8410242	\$1,353.00	9771	2515	08/29/01	4105
PG&E 660 S. Fairoaks Ck#8410240	\$874.50	9771	2515	08/29/01	4105
PG&E 590 East Middlefield Ck#8407282	\$72.00	9771	2515	08/29/01	4104
PG&E 55 West Younger Ck#8410229	\$478.50	9771	2515	08/29/01	4103
PG&E 55 West Younger Ck#8410228	\$3,915.00	9771	2515	08/29/01	4104
PG&E 55 West Younger Ck#8407283	\$97.88	9771	2515	08/29/01	4104
PG&E 298 Bernal Rd Ck#8407280	\$48.00	9771	2515	08/29/01	4104
PG&E 1989 McKee Ck#8410241	\$742.50	9771	2515	08/29/01	4105
PG&E 19050 Malaguerra Ave Ck#8407281	\$24.00	9771	2515	08/29/01	4104
PG&E 180 West Hedding Ck#8410230	\$1,183.87	9771	2515	08/29/01	4105
PG&E 180 West Hedding Ck#8410239	\$457.88	9771	2515	08/29/01	4105
PG&E 298 Garden Hill Ck#8431380	\$24.00	9771	2515	09/05/01	4472
PG&E 180 West Hedding Ck#8431381	\$144.00	9771	2515	09/05/01	4473
PG&E Ck#8407278	\$156.00	9771	2515	09/05/01	4472
PG&E 850 Thornton Ck#8437841	\$96.00	9771	2515	09/06/01	4560
PG&E 80 Highland Ave Ck#8438934	\$1,890.00	9771	2515	09/06/01	4559
PG&E 55 West Younger Ck#8438933	\$1,138.50	9771	2515	09/06/01	4560
PG&E 298 Bernal Rd Ck#8438938	\$1,386.00	9771	2515	09/06/01	4559
PG&E 2700 Carol Ck#8438940	\$82.50	9771	2515	09/06/01	4559
PG&E 1989 McKee Ck#8438936	\$2,277.00	9771	2515	09/06/01	4560
PG&E 19050 Malaguerra Ave Ck#8438937	\$825.00	9771	2515	09/06/01	4559
PG&E 190 Leavesley Rd #1 Ck#8438941	\$600.00	9771	2515	09/06/01	4560
PG&E 180 West Hedding Ck#8438942	\$5,062.50	9771	2515	09/06/01	4559
PG&E 180 West Hedding Ck#8438939	\$1,237.50	9771	2515	09/06/01	4560
PG&E 1650 Los Plumas #A Ck#8438943	\$210.00	9771	2515	09/06/01	4559
PG&E 1110 L Avenida Ave Ck#8438935	\$2,280.00	9771	2515	09/06/01	4560
City of Palo Alto - Inv.Ref.#108 Ck#640762	\$140.00	9771	2515	09/17/01	5266
PG&E - 245 Park Avenue Ck#8460040	\$2,550.00	9771	2515	09/20/01	5527
PG&E Ck#8460038	\$4,890.00	9771	2515	09/20/01	5527
PG&E Ck#8460039	\$11,340.00	9771	2515	09/20/01	5527
PG&E Ck#8460037	\$2,970.00	9771	2515	09/20/01	5527
PG&E Ck#8460036	\$2,880.00	9771	2515	09/20/01	5527
PG&E - 614 Tully Rd Ck#8470130	\$3,069.00	9771	2515	10/01/01	6272
PG&E - 450 Montague Expwy. Ck# 847013	\$3,600.00	9771	2515	10/01/01	6272
PG&E - Metcalf Rd. Ck#8484948	\$72.00	9771	2515	10/12/01	7137
PG&E - 614 Tully Rd Ck#8484947	\$1,023.00	9771	2515	10/12/01	7137
City of Santa Clara Rebate Ck274821 10/01	\$2,130.00	9771	2515	10/12/01	7137
PG&E Ck#8524475	<b>\$1,4</b> 10.00	9771	2515	11/07/01	8950
PG&E Ck#8534351	\$2,100.00	9771	2515	11/14/01	9346
PG&E Ck#8534352	\$1,530.00	9771	2515	11/14/01	9346
PG&E Ck#8534353	\$360.00	9771	2515	11/14/01	9346
Energy Rebate GSA Ck#647345	\$200.00	9771	2515	12/18/01	1743
Energy Rebate GSA Ck#647548	\$1,390.00	9771	2515	12/21/01	2053

Energy Rebate GSA Ck#278779	\$135.00	9771	2515	12/28/01	2462
PG&E Energy Rebate-GSA Ck#8612859	\$1,230.00	9771	2515	01/15/02	3566
PG&E Energy Rebate-GSA Ck#8612858	\$360.00	9771	2515	01/15/02	3566
PG&E Energy Rebate-GSA Ck#8612857	\$1,530.00	9771	2515	01/15/02	3566
PG&E Energy Rebate-GSA Ck#8612856	\$1,683.00	9771	2515	01/15/02	3567
PG&E Energy Rebate-GSA Ck#8612855	\$742.50	9771	2515	01/15/02	3567
PG&E Energy Rebate-GSA Ck#8612854	\$1,435.50	9771	2515	01/15/02	3567
PG&E Energy Rebate-GSA Ck#8612853	\$900.00	9771	2515	01/15/02	3567
PG&E Energy Rebate-GSA Ck#8612852	\$570.00	9771	2515	01/15/02	3567
PG&E Ck#8632766	\$165.00	9771	2515	02/04/02	4913
PG&E Ck#8632767	\$709.50	9771	2515	02/04/02	4913
PG&E Ck#8632768	\$346.50	9771	2515	02/04/02	4913
PG&E Ck#8632769	\$313.50	9771	2515	02/04/02	4913
PG&E Ck#8632770	\$189.75	9771	2515	02/04/02	4914
PG&E Ck#8632771	\$561.00	9771	2515	02/04/02	4914
PG&E 150 LEAVESLEY RD CK#9252752	\$360.00	9771	2515	04/17/03	020131
PG&E 1215 IST ST CK#9252754	\$1,217.00	9771	2515	04/17/03	020131
PG&E 190 LEAVSLEY RD CK#9252753	\$1,837.50	9771	2515	04/17/03	020131
PG&E LANDING METCALF PROJ CK#9245663	\$923.50	9771	2515	04/17/03	020131
Total Rebates FY01 to FY03	\$262,948.13				

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TOTAL LABOR SERVICE **VENDOR** COST MATERIAL Regular TOTAL LABOR Overtime Bldg Nm **Est Cost** Description WoNum Status \$17,292 \$575,954 \$483,901 \$74,760 \$4,337 \$479,564 **ELMWD REHAB** \$450,000 CLOSE **ROOFING PROJECTS - Elmwood** 460224 \$17,452 \$151,775 \$127,886 \$128,060 \$6,263 ALCOHOL \$60,000 \$173 CLOSE **RE-ROOF - MARIPOSA LODGE** 460226 \$40,576 \$925 \$14,650 \$15,576 \$25,000 SSA CHILD \$40,000 CLOSE **REPLACE ROOF - SSA** 460231 \$214 \$214 \$40,000 \$128 \$85 REPLACE WRIGHT RANCH PUMP SANTA TERESA CANCL 465831 \$15,953 \$88,914 \$38,812 \$34,148 \$72,961 \$85,000 Energy Curtailment Projects - Various COUNTY SERVICE 485091 CLOSE \$1,458 \$5,500 \$6,958 \$7,000 \$772 \$686 Add Diverter Valve to boilers - East CCOB-EAST WING CLOSE 496975 \$23,152 \$3,561 \$19,591 \$20,000 \$2,188 \$1,373 Install New Boiler Controls - Building COUNTY SERVICE CLOSE 496978 \$942 \$2,487 \$1,209 \$3,696 \$1,544 \$2,500 ALCOHOL CLOSE Set or Install time 496981 \$8,705 \$4,967 \$7,075 \$1,630 \$2,107 ELMWD REHAB \$5,000 CLOSE Set or Install time 496982 \$686 \$686 \$686 ELMWD REHAB \$600 Set or Install time 496983 CLOSE \$7,655 \$4,995 \$2,574 \$85 \$2,660 PROBATION-MURIE \$5,000 496984 CLOSE Set or Install time \$257 \$300 \$257 \$257 JAMES 496985 CLOSE Set or Install time \$0 \$0 HOLDEN CLOSE Set or Install time 496986 \$4,000 \$1,845 \$2,360 \$1,640 \$514 \$5,000 JUVENILE Set or Install time 496987 CLOSE \$1,566 \$214 \$1,566 \$1,351 PROBATION-WORK \$1,500 CLOSE Set or Install time 496988 \$1,058 \$1,058 \$1,058 SANTA \$1,000 Adjust Economizers for Maximum CLOSE 496989 \$1,022 \$630 \$391 \$391 Replace vanity lights with fluorescents SUNNYVALE CLOSE 496990 \$102 \$102 \$102 \$100 SOUTH COUNTY Adjust Economizers for Maximum 496991 CLOSE \$0 \$0 \$5,000 SOUTH COUNTY Adjust Economizers for Maximum CLOSE 496993 \$0 \$0 SOUTH COUNTY CLOSE Adjust Economizers for Maximum 496994 \$0 \$0 Adjust Economizers for Maximum SOUTH COUNTY CLOSE 496995 \$0 \$0 **JAMES** Adjust Economizers for Maximum CLOSE 496996 \$0 \$0 HOLDEN Adjust Economizers for Maximum 496997 CLOSE \$0 \$0 PROBATION-MURIE Adjust Economizers for Maximum 496999 CLOSE \$643 \$643 \$643 \$600 NORTH COUNTY Adjust Economizers for Maximum 497000 CLOSE \$0 \$0 VASONA Adjust Economizers for Maximum CLOSE 497001 \$0 \$0 \$5,000 Adjust Economizers for Maximum **GSA** CLOSE 497002 \$69,832 \$61,548 \$3,921 \$8,283 \$4,361 \$5,000 Adjust Economizers for Maximum PARK ALAMEDA CLOSE 497003 \$214 \$214 \$214 \$250 FAIR OAKS MENTAL Adjust Economizers for Maximum CLOSE 497004 \$686 \$686 \$686 \$700 Chaboya VHC Adjust Economizers for Maximum CLOSE 497005 \$0 \$0 SOUTH COUNTY Adjust Economizers for Maximum 497011 CLOSE \$1,583 \$34 \$1.549 \$600 \$948 PROBATION-WORK \$1,000 Adjust Economizers for Maximum 497013 CLOSE

Page

# GSA - Facilities Department - Building Operations Division Expense Report: ATTACHMENT 1- ENERGY CONSERVATION PROJECTS MATRIX

TOTAL LABOR SERVICE COST VENDOR MATERIAL TOTAL LABOR Overtime Regular Description Est Cost Bldg Nm WoNum Status \$3,527 \$2,325 \$1,201 \$3,527 **ELMWD REHAB** \$3,000 CLOSE Adjust Economizers for Maximum 497014 \$686 \$600 \$686 \$686 **ELMWD REHAB** Adjust Economizers for Maximum CLOSE 497015 \$171 \$171 \$171 \$200 NORTH COUNTY CLOSE Adjust Economizers for Maximum 497016 \$31,362 \$7,514 \$21,537 \$23,847 \$2.310 \$20,000 CCOB-EAST WING Install Motion Sensors in Conference 497035 CLOSE \$20,076 \$16,758 \$177 \$3,141 \$15,286 \$17,500 \$1,472 Install Low Voltage Switches by CCOB-EAST WING 497036 CLOSE \$15 \$8,063 \$8,048 \$5,951 \$5,000 \$2,096 Install Low Voltage Switches by CCOB-BAST WING CLOSE 497037 \$152,220 \$91,706 \$50,472 \$58,122 \$2,392 \$7,649 Install Motion Sensors in Conference COUNTY SERVICE \$45,000 CLOSE 497038 \$11,661 \$52,030 \$3,748 \$36,620 \$40,368 \$45,000 Install Motion Sensors in Conference HALL OF 497039 CLOSE \$6,493 \$20,500 \$14,006 \$14,006 \$15,000 SHERIFF Install Motion Sensors in Conference CLOSE 497040 \$3,670 \$2.291 \$705 \$673 \$1,379 \$1,500 Replace all Incendescent Type Exit CCOB-EAST WING CLOSE 497041 \$13,975 \$7,649 \$6,325 \$1,175 \$6,473 \$7,000 CCOB-WEST WING CLOSE Replace all Incendescent Type Exit 497042 \$308 \$78 \$78 \$230 \$500 Replace all Incendescent Type Exit HALL OF **CLOSE** 497043 \$0 \$0 JUVENILE Replace all Incendescent Type Exit 497044 CLOSE \$0 \$0 SHERIFF Replace all Incendescent Type Exit 497045 CLOSE \$0 \$0 **COUNTY SERVICE** Replace all Incendescent Type Exit 497046 CLOSE \$4,460 \$4,460 \$5,000 \$4,460 COUNTY SERVICE Replace all Incendescent Type Exit CLOSE 497047 \$0 \$0 COUNTY SERVICE Replace all Incendescent Type Exit CLOSE 497049 \$133,103 \$114,245 \$634 \$18,223 \$18,857 \$18,000 CCOB-EAST WING Install Task Lighting Motion Sensor CLOSE 497050 \$15,274 \$3,000 \$12,274 \$8,136 \$12,000 \$4,137 CCOB-WEST WING Install Task Lighting Motion Sensor CLOSE 497051 \$405 \$405 \$405 \$500 HALL OF Install Task Lighting Motion Sensor CLOSE 497053 \$11,580 \$7,774 \$3,805 \$643 \$7,131 \$5,000 Install Task Lighting Motion Sensor JUVENILE CLOSE 497054 \$1,431 \$1,431 \$1,431 \$1,500 SHERIFF CLOSE Install Task Lighting Motion Sensor 497055 \$196 \$2,092 \$1,896 \$1,896 \$2,000 COUNTY SERVICE Install Task Lighting Motion Sensor CLOSE 497056 \$3,712 \$3,712 \$862 \$2,850 \$4,000 **COUNTY SERVICE** Install Task Lighting Motion Sensor 497057 CLOSE \$25,429 \$912 \$24,516 \$443 \$24,073 \$5,000 COUNTY SERVICE Install Task Lighting Motion Sensor CLOSE 497058 \$6,459 \$4,969 \$1,489 \$1,489 \$2,000 JUVENILE Replace interior light with Energy CLOSE 497732 \$29,547 \$26,435 \$3,111 \$26,307 \$128 \$10,000 MAIN JAIL NORTH -Install Energy Saving Components -498238 CLOSE \$1,230 \$1,534 \$304 \$304 \$500 **COUNTY SERVICE** Contract to Support Energy Projects 498518 CLOSE \$261 \$3,093 \$2,832 \$1,673 \$3,000 \$1,158 MEDICAL Install Motion Sensors and Locking CLOSE 500625 \$62 \$1,092 \$1,029 \$1,029 \$1,000 DOWNTOWN. andres Sixign Install Timer for Exterior Lights -CLOSE 500920 \$4,360 \$1,445 \$4,360 Install Elevator Signs in support of the CCOB-EAST WING \$5,000 \$2,915 CLOSE 501217 \$1,778 \$1,278 \$500 \$1,278 \$1,800 CCOB-EAST WING Install Tint on Elevator Windows CLOSE 501281

3

# GSA - Facilities Department - Building Operations Division Expense Report: ATTACHMENT 1- ENERGY CONSERVATION PROJECTS MATRIX

		Expense Report. At 17			LABOR				SERVICE	TOTAL
WoNum	Status	Description	Bldg Nm	Est Cost	Overtime	Regular	TOTAL LABOR	MATERIAL	VENDOR	COST
501314	CLOSE	Perform Meter Expansion Survey -	COUNTY SERVICE	\$10,000	\$128	\$2,675	\$2,804	\$8,350		\$11,154
504047	CLOSE	Install Motion Sensors and Attic Fans	CHILD SHELTER	\$20,000	\$6,587	\$13,879	\$20,467	\$9,600	\$1,342	\$31,410
504395	CLOSE	Install Task Lighting - SSA -	SOCIAL SERVICES	\$10,000	\$15,953	\$9,046	\$24,999	\$50,792	\$45,684	\$121,475
505096	CLOSE	Review Feasibility Studies for Energy	COUNTY SERVICE				\$0			\$0
505171	CLOSE	install motion sensor lights in the three	: GSA	\$500	\$128	\$386	\$514		\$59	\$574
507082	CLOSE	INSTALL MOTION SENSOR WALL	FAIR OAKS VHC	\$700		\$660	\$660		\$2,608	\$3,269
507084	CLOSE	INSTALL MOTION SENSOR WALL	EAST VALLEY	\$3,000		\$6,965	\$6,965		\$654	\$7,620
507085	CLOSE	INSTALL MOTION SENSOR WALL	EAST VHC (PH)	\$6,500		\$6,830	\$6,830			\$6,830
507087	CLOSE	INSTALL MOTION SENSOR WALL	**DEMOLISHED**V	\$18,000	\$386	\$19,011	\$19,397		\$377	\$19,774
507088	CLOSE	INSTALL MOTION SENSOR WALL	FAIR OAKS MENTAL	\$3,000		\$2,758	\$2,758			\$2,758
507768	CLOSE	Cut down on Interior Lighting -	COUNTY SERVICE	\$5,000			\$0			\$0
507771	CLOSE	Cut down on Interior Lighting -	ELMWD REHAB	\$5,000			\$0		\$8,115	\$8,115
507824	CLOSE	REDUCE LIGHTING IN BUTLER	VMC-HEALTH				\$0			\$0
507825	CLOSE	CUT BACK LIGHTING IN FOOD	ELMWD REHAB	\$200		\$171	\$171			\$171
507827	CLOSE	MINIMIZE LIGHTING IN	COUNTY SERVICE	\$2,000		\$2,128	\$2,128			\$2,128
508406	CLOSE	Provide a survey to determine ways to	STARLIGHT				\$0			\$0
508518	CLOSE	INVENTORY SETBACK	TRAFFIC COURT	\$5,000			\$0			\$0
508568	CLOSE	Replace old thermostat with new	SOCIAL	\$200		\$85	\$85		\$100	\$185
508599	CLOSE	REPLACE T - 12 LAMPS WITH T -	ALCOHOL	\$800		\$11,359	\$11,359		\$393	\$11,753
508926	CLOSE	Support Andover Energy Upgrades -	CCOB-EAST WING	\$50,000	\$8,624	\$19,223	\$27,848	\$11,306		\$39,154
509219	CLOSE	PROVIDE / INSTALL	DOWNTOWN	\$5,000		\$257	\$257			\$257
509247	CLOSE	Change all mecury thermostats to	VASONA	\$1,000		\$815	\$815		\$243	\$1,058
509513	CLOSE	Install Emergency Generator to	SUNNYVALE	\$70,000		\$772	\$772	_		\$772
510265	CLOSE	Inventory T-stats - Parks	ALMADEN	\$1,000		\$772	\$772		\$395	\$1,167
510698	CANCL		CCOB-EAST WING				\$0			\$0
510699	CANCL		COUNTY SERVICE	\$50,000	)		\$0			\$0
510701	CLOSE	INSTALL MOTION SENSORS. SEI	E Chaboya VHC	\$5,000	)	\$12,778	\$12,778		\$239	\$13,018
510704	CLOSE			\$5,000	)	\$6,642	\$6,642			\$6,642
510707	CLOSE	INSTALL MOTION SENSORS - SE		\$5,000	)	\$4,261	\$4,261		\$54	\$4,316
510707	CLOSE			\$7,500	\$196	\$7,809	\$8,005			\$8,005
511000	CANCL			\$1,500	\$514	\$686	\$1,201			\$1,201
	CANCL			energy (Control of the Control of th			\$0			\$0
511003	CANCL	, HOTALL CYLKINDED TOK HYAK		spreseurititis, 4000000je 20000	<u> </u>		- Carrier Comment			

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# GSA - Facilities Department - Building Operations Division Expense Report: ATTACHMENT I- ENERGY CONSERVATION PROJECTS MATRIX

Waller.	Status	Description	Bldg Nm	Est Cost	LABOR Overtime	Regular	TOTAL LABOR	· MATERIAL	SERVICE VENDOR	TOTAL COST
WoNum	Status	investigate and correct parking lot	Superior Court Admin	\$5,000	0,41,414	\$335	\$335			\$335
12004	CLOSE	INVESTIGATE AND CORRECT	DOWNTOWN	\$5,000			\$0			\$0
12005	CANCL	ta una mitragliaren eta 1. gart altaren 1996 (1994), estatutaren 1996 (1994)	OLD COURT HOUSE	\$1,000	***************************************	<u> </u>	\$0			\$0
512006	CANCL	INVESTIGATE AND CORRECT		\$5,000	\$450	\$2,660	\$3,110		\$215	\$3,326
512161	CLOSE	INVESTIGATE EMS SYSTEM TO	PARK ALAMEDA	\$1,500		\$1,373	\$1,373		er i Mijar garan eta i Maria ya <u>e e</u>	\$1,373
512163	CLOSE	SET THE SOUTH COUNTY	JAMES			\$858	\$858			\$858
512165	CLOSE	SET BARBER COLMAN EMS	MAIN JAIL NORTH -	\$1,000			\$0			\$0
512756	CANCL	WALK THRU WITH MELANIE TO	DOWNTOWN	\$5,000		8048	\$643	and reparted the first	\$410	\$1,054
513043	CLOSE	RECONFIGURE A/C CONTROLS	ELMWD REHAB	\$5,000		\$643			\$277	\$12,321
513152	CLOSE	INSTALL WALL MOTION	SOUTH COUNTY	\$5,000		\$12,043	\$12,043	21 - 21 - 22 - 24 - 24 - 24 - 25 - 25 - 24 - 25 - 25	energy or early participated	\$16,158
513213	CLOSE	REPAIR/REPLACE ROOF AT EAST	EAST VHC (PH)			\$2,208	\$2,208		\$13,950	(A) is grown to be expressed and the contraction
513218	CLOSE	REPAIR/REPLACE ROOF AT	San Martin VHC (clin	\$108,000		\$52,951	\$52,951	\$114	\$49,901	\$102,966
513219	CLOSE	REPAIR/REPLACE ROOF AT	PROBATION-MURIE	\$80,000		\$101,484	\$101,484	\$248	\$15,386	\$117,118
513220	CLOSE	REPAIR/REPLACE ROOF AT	MEDICAL			\$8,392	\$8,392	\$54,456		\$62,848
513221	CLOSE	REPAIR/REPLACE ROOF AAT HO	J HALLOF		\$3,084	\$67,658	\$70,743	\$2,950	\$52,150	\$125,844
513231	CLOSE	ENERGY SAVINGS PROJECTS	Service Center Compl				\$0			\$0
513445	CLOSE	Install 2 pole time clock to control	JUVENILE :	\$5,000	\$386	\$2,600	\$2,986		\$985	\$3,971
513874	CLOSE	Install (4) Programmable Thermostats	GSA FLEET	\$1,000		\$429	\$429		\$486	\$915
513875	CLOSE	Install TLC Lighting Controls -	DOWNTOWN	\$200		\$14,782	\$14,782	\$4,598	\$285	\$19,666
516567	CLOSE	ADJUST THERMOSTATS FOR	SOUTH COUNTY	\$5,000			\$0			\$0
516568	CLOSE	ADJUST THERMOSTATS FOR	SOUTH COUNTY	\$5,000			\$0			\$0
516573	CLOSE	ADJUST THERMOSTATS FOR	TEMPORARY	\$5,000			\$0			\$0
	CLOSE	ADJUST THERMOSTATS FOR	LOS GATOS	\$5,000			\$0			\$0
516574	(1949), entri (\$199 <u>8), 118</u>	ADJUST THERMOSTATS FOR	SANTA	\$5,000			\$0			\$0
516576	CLOSE	ADJUST THERMOSTATS FOR	SUNNYVALE	\$5,000		\$574	\$574			\$574
516577	CLOSE	ADJUST THERMOSTATS FOR	TRAFFIC COURT	\$5,000		\$214	\$214			\$214
516579	CLOSE		FAMILY COURT	\$5,000	THE RESERVE OF THE PERSON AND THE PERSON	\$77	\$77			\$77
516581	CLOSE	ADJUST THERMOSTATS FOR	SSA/FAMILY	\$5,000	paragraphic state of the second	\$171	\$171			\$171
516582	CLOSE	ADJUST THERMOSTATS FOR		\$5,000		\$85	\$85			\$85
516584	CLOSE	ADJUST THERMOSTATS FOR	Superior Court Admin	\$5,000	Contract Contract Contract Contract		\$0	period of standard the same	A COLUMN TO CONTRACT MANAGEMENT	\$0
516587	CLOSE	ADJUST THERMOSTATS FOR	Superior Court - Pro	\$5,000 \$5,000		\$422	\$422		\$72	\$495
516589	CLOSE	er man til flede er milligt av dem grede milligt fra er gereget i fra er grede fra er fra er fra er fra er fra	CRIMINAL COURTS	Consideration of the consideration and		\$85	\$85	ger justicer in judicional esta	gerene gradika ing bada g	\$85
516590	CLOSE	ADJUST THERMOSTATS FOR	DOWNTOWN	\$5,000					\$58	\$573
516591	CLOSE	ADJUST THERMOSTATS FOR	OLD COURT HOUSE	\$5,000		\$514	\$514		336	

Section						LABOR			SERVICE	TOTAL
1989   1989	WoNum	Status	Description	Bldg Nm	Est Cost	Overtime	Regular	TOTAL LABOR	MATERIAL VENDOR	COST
178720   CLOSE   RASE TEMPERATURE IN AREAS   HALL OF   \$700   \$1.158   \$1	516593	CLOSE	ADJUST THERMOSTATS FOR	HALL OF	\$5,000		\$317	\$317		
STATES   CANCE   STIMALE TO BREAK DOWN THE MAIN LAS OUTH   STATES   \$1,038   \$1,03	517188	CLOSE	INSTALL MOTION SENSORS	GSA	\$5,000			\$0		\$0
STATUS   CLOSE   NISTALL MOTION SENSORS TO   SSA   S1,209   S1,2	517220	CLOSE	RAISE TEMPERATURE IN AREAS	HALL OF	\$700		\$1,158	\$1,158		\$1,158
SATISTICATION   SATISTICATIO	517421	CANCL	ESTIMATE TO BREAK DOWN THE	MAIN JAIL SOUTH -	\$12,415		\$1,038	\$1,038		\$1,038
STATUL   CLOSE   INSTALL MOTION SENSORS TO   CIVIC CENTER   S.5.000   S.711	521136	CLOSE	INSTALL MOTION SENSORS TO	SSA			\$1,209	\$1,209		\$1,209
STATE	521138	CLOSE	INSTALL MOTION SENSORS TO	SSA - CALWORKS	\$5,000		\$5,610	\$5,610	\$153	\$5,764
STATE   CLOSE   NISTALL MOTION SENSORS TO   SA CHILD   S5,000   S1,058   S1,058   S1,058   S2,009	521142	CLOSE	INSTALL MOTION SENSORS TO	CIVIC CENTER	\$5,000		\$711	\$711		\$711
STATE   CLOSE   NSTALL MOTION SIENSORS TO   MEDICAL   \$5,000   \$2,609   \$2,609   \$2,609   \$2,609   \$2,609   \$2,609   \$2,609   \$2,600   \$2,646   \$	521145	CLOSE	INSTALL MOTION SENSORS TO	PROBATION-WORK	\$5,000		\$3,281	\$3,281	\$27	\$3,308
STATEST   CLOSE   PUT CONTROLS ON HR DEPT.   CCOB-BAST WING   S5,000   S2,646   \$2,646   \$2,646   \$2,546   \$2,545   \$2	521146	CLOSE	INSTALL MOTION SENSORS TO	SSA CHILD	\$5,000		\$1,058	\$1,058		\$1,058
S25345   CLOSE   DIM STAIRWEIL LIGHTS   NORTH COUNTY   \$5,000   \$11,939   \$12,939   \$190   \$13,129	521147	CLOSE	INSTALL MOTION SENSORS TO	MEDICAL	\$5,000		\$2,609	\$2,609		\$2,609
525355         CLOSE         DINISTRALL MOTION SENSORS FOR NORTH COUNTY         \$5,000         \$1,185         \$1,185         \$1,185           523677         CLOSE         PUT TIMERS OR MOTION         JUVENILE         \$3,847         \$3,347         \$6,588         \$10,435           524307         CLOSE         PUT TIMERS OR MOTION         HALL OF         \$5,000         \$227         \$257         \$257         \$257           524309         CLOSE         PUT TIMERS OR MOTION         GSA-GARAGE         \$5,000         \$11,58         \$1,158         \$1,158           524310         CLOSE         PUT TIMERS OR MOTION         ROADS &         \$5,000         \$0         \$0         \$0           524311         CLOSE         PUT TIMERS OR MOTION         FAIR OAKS MENTAL         \$5,000         \$360         \$360         \$360         \$360           524312         CLOSE         PUT TIMERS OR MOTION         MEDICAL         \$5,000         \$22,317         \$2,	523543	CLOSE	PUT CONTROLS ON HR DEPT.	CCOB-EAST WING	\$5,000		\$2,646	\$2,646		\$2,646
S2800   S2800   S257	523545	CLOSE	DIM STAIRWELL LIGHTS.	NORTH COUNTY	\$5,000		\$12,939	\$12,939	\$190	\$13,129
S24307   CLOSE   PUT TIMERS OR MOTION   HALL OF   \$5,000   \$227	523677	CLOSE	INSTALL MOTION SENSORS FOR	NORTH COUNTY	\$5,000		\$1,185	\$1,185		\$1,185
524307         CLOSE         PUT TIMERS OR MOTION         HALL OF         \$5,000         \$2257         \$2257         \$2257           524309         CLOSE         PUT TIMERS OR MOTION         GSA-GARAGE         \$5,000         \$1,158         \$1,158           524310         CLOSE         PUT TIMERS OR MOTION         ROADS & \$5,000         \$360         \$360           524311         CLOSE         PUT TIMERS OR MOTION         PAIR CAKSMENTAL         \$5,000         \$302         \$302           524312         CLOSE         PUT TIMERS OR MOTION         MEDICAL         \$5,000         \$302         \$302           524313         CLOSE         PUT TIMERS OR MOTION         CRIMINAL COURTS         \$5,000         \$311         \$2,317         \$52,317           524314         CLOSE         PUT TIMERS OR MOTION         GA         \$5,000         \$351         \$2,278         \$2,630         \$2,630           524315         CLOSE         PUT TIMERS OR MOTION         CCOB-WEST WING         \$5,000         \$1115         \$1,115         \$1,115         \$1,115         \$1,115         \$1,115         \$2,430         \$2,630         \$2,630         \$2,630         \$2,630         \$2,630         \$2,630         \$2,630         \$2,630         \$2,630         \$2,630	524306	CLOSE	PUT TIMERS OR MOTION	JUVENILE			\$3,847	\$3,847	\$6,588	\$10,435
SAME	Accessors to the law	CLOSE	PUT TIMERS OR MOTION	HALL OF	\$5,000		\$257	\$257		\$257
524310         CLOSE         PUT TIMERS OR MOTION         ROADS &         \$5,000         \$360         \$360         \$360           524311         CLOSE         PUT TIMERS OR MOTION         FAIR OAKS MENTAL         \$5,000         \$360         \$360         \$360         \$360           524312         CLOSE         PUT TIMERS OR MOTION         MEDICAL         \$5,000         \$322         \$302         \$302         \$302           524313         CLOSE         PUT TIMERS OR MOTION         CRIMINAL COURTS         \$5,000         \$2,317         \$2,311         \$2,317	524309	CLOSE	PUT TIMERS OR MOTION	GSA-GARAGE	\$5,000		\$1,158	\$1,158		\$1,158
524311         CLOSE         PUT TIMERS OR MOTION         FAIR OAKS MENTAL         \$5,000         \$360         \$360         \$360           524312         CLOSE         PUT TIMERS OR MOTION         MEDICAL         \$5,000         \$302         \$302         \$302         \$302           524313         CLOSE         PUT TIMERS OR MOTION         CRIMINAL COURTS         \$5,000         \$2,317         \$2,311         \$2,317		CLOSE	PUT TIMERS OR MOTION	ROADS &	\$5,000			\$0		\$0
524312         CLOSE         PUT TIMERS OR MOTION         MEDICAL         \$5,000         \$302         \$302         \$302         \$302           524313         CLOSE         PUT TIMERS OR MOTION         CRIMINAL COURTS         \$5,000         \$2,317         \$2,317         \$2,317           524314         CLOSE         PUT TIMERS OR MOTION         GSA         \$5,000         \$351         \$2,278         \$2,630         \$2,630           524315         CLOSE         PUT TIMERS OR MOTION         CCOB-WEST WING         \$5,000         \$11,115         \$11,115         \$1,115           524317         CLOSE         PUT TIMERS OR MOTION         CCOB-EAST WING         \$5,000         \$858         \$858         \$858           524319         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$714         \$714         \$714         \$714           524320         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$257         \$257         \$257         \$257           524321         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$909         \$909         \$909         \$909         \$909           524322         CLOSE         PUT LIGHTS ON TIMER OR	524311	CLOSE	PUT TIMERS OR MOTION	FAIR OAKS MENTAL	\$5,000		\$360	\$360		\$360
524313         CLOSE         PUT TIMERS OR MOTION         CRIMINAL COURTS         \$5,000         \$2,317         \$2,317         \$2,317           524314         CLOSE         PUT TIMERS OR MOTION         GSA         \$5,000         \$351         \$2,278         \$2,630         \$2,630           524315         CLOSE         PUT TIMERS OR MOTION         CCOB-WEST WING         \$5,000         \$1,115         \$1,115         \$1,115           524317         CLOSE         PUT TIMERS OR MOTION         CCOB-EAST WING         \$5,000         \$858         \$858         \$858           524319         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$714         \$714         \$714           524320         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$257         \$257         \$257           524321         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$909         \$909         \$909           524322         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$609         \$609         \$909           524323         CLOSE         PUT LIGHTS ON TIMER OR         LOS GATOS         \$5,000         \$609         \$609         \$60	economica di mana	CLOSE	PUT TIMERS OR MOTION	MEDICAL	\$5,000		\$302	\$302		\$302
524314         CLOSE         PUT TIMERS OR MOTION         GSA         \$5,000         \$351         \$2,278         \$2,630         \$2,630           524315         CLOSE         PUT TIMERS OR MOTION         CCOB-WEST WING         \$5,000         \$1,115         \$1,115         \$1,115           524317         CLOSE         PUT TIMERS OR MOTION         CCOB-EAST WING         \$5,000         \$858         \$858         \$858           524319         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$714         \$714         \$714           524320         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$257         \$257         \$257           524321         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$909         \$909         \$909           524322         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$909         \$909         \$909           524322         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$609         \$609         \$609           524323         CLOSE         PUT LIGHTS ON TIMER OR         LOS GATOS         \$5,000         \$600         \$600         \$600	524313	CLOSE	PUT TIMERS OR MOTION	CRIMINAL COURTS	\$5,000		\$2,317	\$2,317		\$2,317
524315         CLOSE         PUT TIMERS OR MOTION         CCOB-WEST WING         \$5,000         \$1,115         \$1,115         \$1,115           524317         CLOSE         PUT TIMERS OR MOTION         CCOB-EAST WING         \$5,000         \$858         \$858         \$858           524319         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$714         \$714         \$714           524320         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$257         \$257         \$257           524321         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$909         \$909         \$909         \$909         \$909           524322         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$909 <t< td=""><td>\$5000 (\$60 PM - 1.00 000 10)</td><td>CLOSE</td><td>PUT TIMERS OR MOTION</td><td>GSA</td><td>\$5,000</td><td>\$351</td><td>\$2,278</td><td>\$2,630</td><td></td><td>\$2,630</td></t<>	\$5000 (\$60 PM - 1.00 000 10)	CLOSE	PUT TIMERS OR MOTION	GSA	\$5,000	\$351	\$2,278	\$2,630		\$2,630
524317         CLOSE         PUT TIMERS OR MOTION         CCOB-EAST WING         \$5,000         \$858         \$858         \$858           524319         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$714         \$714         \$714         \$714           524320         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$257         \$257         \$257           524321         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$909         \$909         \$909           524322         CLOSE         Install timers or sensors on lights         DOWNTOWN         \$5,000         \$609         \$609         \$609           524323         CLOSE         PUT LIGHTS ON TIMER OR         OLD COURT HOUSE         \$386         \$386         \$386           524325         CLOSE         PUT LIGHTS ON TIMER OR         DOWNTOWN         \$5,000         \$600         \$600         \$600           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$257         \$257         \$257           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$756         \$756         \$756		CLOSE	PUT TIMERS OR MOTION	CCOB-WEST WING	\$5,000		\$1,115	\$1,115		\$1,115
524319         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$714         \$714         \$714           524320         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$257         \$257         \$257           524321         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$909         \$909         \$909           524322         CLOSE         install timers or sensors on lights         DOWNTOWN         \$5,000         \$609         \$609         \$609           524323         CLOSE         PUT LIGHTS ON TIMER OR         LOS GATOS         \$5,000         \$609         \$609         \$609           524325         CLOSE         PUT LIGHTS ON TIMER OR         OLD COURT HOUSE         \$386         \$386         \$386           524326         CLOSE         PUT LIGHTS ON TIMER OR         DOWNTOWN         \$5,000         \$600         \$600         \$600           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$257         \$257         \$257           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$256         \$756         \$756	900 to 9 10 11 11 14	CLOSE	PUT TIMERS OR MOTION	CCOB-EAST WING	\$5,000		\$858	\$858		\$858
524320         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$257         \$257         \$257           524321         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$909         \$909         \$909           524322         CLOSE         install timers or sensors on lights         DOWNTOWN         \$5,000         \$609         \$609         \$609           524323         CLOSE         PUT LIGHTS ON TIMER OR         LOS GATOS         \$5,000         \$609         \$609         \$609           524325         CLOSE         PUT LIGHTS ON TIMER OR         OLD COURT HOUSE         \$386         \$386         \$386           524326         CLOSE         PUT LIGHTS ON TIMER OR         DOWNTOWN         \$5,000         \$600         \$600           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$257         \$257         \$257           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$756         \$756         \$756			PUT TIMERS OR MOTION	COUNTY SERVICE	\$5,000		\$7:14	\$714		\$714
524321         CLOSE         PUT TIMERS OR MOTION         COUNTY SERVICE         \$5,000         \$909         \$909         \$909           524322         CLOSE         install timers or sensors on lights         DOWNTOWN         \$5,000         \$609         \$609         \$609           524323         CLOSE         PUT LIGHTS ON TIMER OR         LOS GATOS         \$5,000         \$609         \$609         \$609           524325         CLOSE         PUT LIGHTS ON TIMER OR         OLD COURT HOUSE         \$386         \$386         \$386           524326         CLOSE         PUT LIGHTS ON TIMER OR         DOWNTOWN         \$5,000         \$600         \$600         \$600           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$257         \$257         \$257           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$756         \$756	Shousen salidition	Mar de Bellesierell.	PUT TIMERS OR MOTION	COUNTY SERVICE	\$5,000		\$257	\$257		\$257
524322         CLOSE         install timers or sensors on lights         DOWNTOWN         \$5,000         \$0         \$0           524323         CLOSE         PUT LIGHTS ON TIMER OR         LOS GATOS         \$5,000         \$609         \$609         \$609         \$609           524325         CLOSE         PUT LIGHTS ON TIMER OR         OLD COURT HOUSE         \$386         \$386         \$386           524326         CLOSE         PUT LIGHTS ON TIMER OR         DOWNTOWN         \$5,000         \$600         \$600         \$600           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$257         \$257         \$257           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$756         \$756         \$756			PUT TIMERS OR MOTION	COUNTY SERVICE	\$5,000		\$909	<b>\$90</b> 9		AND THE STREET, HE RESIDENCE OF
524323         CLOSE         PUT LIGHTS ON TIMER OR         LOS GATOS         \$5,000         \$609         \$609         \$609           524325         CLOSE         PUT LIGHTS ON TIMER OR         OLD COURT HOUSE         \$386         \$386         \$386           524326         CLOSE         PUT LIGHTS ON TIMER OR         DOWNTOWN         \$5,000         \$600         \$600         \$600           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$257         \$257         \$257           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$756         \$756         \$756	ocer 100 builds 1000 rg A		install timers or sensors on lights	DOWNTOWN	\$5,000			\$0		\$0
524325         CLOSE         PUT LIGHTS ON TIMER OR         OLD COURT HOUSE         \$386         \$386         \$386           524326         CLOSE         PUT LIGHTS ON TIMER OR         DOWNTOWN         \$5,000         \$600         \$600         \$600           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$257         \$257         \$257           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$756         \$756         \$756			PUT LIGHTS ON TIMER OR	LOS GATOS	\$5,000		\$609	\$609		\$609
524326         CLOSE         PUT LIGHTS ON TIMER OR         DOWNTOWN         \$5,000         \$600         \$600         \$600           524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$257         \$257         \$257           \$756         \$756         \$756         \$756         \$756	2000 CO 1000 FOR 1000 FOR	Transportation of the second second	State Control of the	OLD COURT HOUSE		···	\$386	\$386		\$386
524328         CANCL         PUT LIGHTS ON TIMER OR         SHERIFF         \$5,000         \$257         \$257           5756         \$756         \$756         \$756	<b>6</b> 2.27			DOWNTOWN	\$5,000		\$600	\$600		\$600
\$756 \$756	die Wertres (Surface)	a gogodo di dem trong cong	11 M 12 July 2004 10 10 10 10 10 10 10 10 10 10 10 10 10	SHERIFF	\$5,000		\$257	\$257		\$257
	524329	CLOSE		SOUTH COUNTY	•		\$756	\$756		\$756

TOTAL **SERVICE** LABOR VENDOR COST TOTAL LABOR MATERIAL Overtime Regular Est Cost Bldg Nm Description WoNum Status \$0 \$0 \$5,000 San Martin VHC (Adul PUT LIGHTS ON TIMER OR 524331 CLOSE \$604 \$604 \$604 SAN MARTIN VHC PUT LIGHTS ON TIMER OR 524332 CLOSE \$0 \$0 \$5,000 SOUTH COUNTY **PUT LIGHTS ON TIMER OR** CLOSE 524334 \$85 \$85 \$85 \$5,000 HALL OF **PUT TIMERS OR MOTION** CLOSE 524339 \$1,476 \$1,476 \$1,476 \$5,000 SANTA PUT TIMERS OR MOTION 524345 CLOSE \$128 \$128 \$128 NORTH COUNTY \$5,000 PUT TIMERS OR MOTION CLOSE 524346 \$3,733 \$3,733 \$3,733 NORTH COUNTY \$5,000 PUT TIMERS OR MOTION CLOSE 524349 \$429 \$429 \$5,000 \$429 MAIN JAIL SOUTH -PUT TIMERS OR MOTION 524351 CLOSE \$128 \$128 \$5 \$128 MAIN JAIL NORTH -CLOSE PUT TIMERS OR MOTION 524352 \$1,925 \$1,925 \$1,925 WEST VALLEY \$5,000 CLOSE INSTALL TIMERS OR MOTION 524586 \$507 \$507 \$507 \$5,000 REPLACE 9 INCANDESCENT EXIT MEDICAL CLOSE 525103 \$2,341 \$2.212 \$2,341 \$128 \$5,000 PROVIDE ENERGY RELATED SUNNYVALE CLOSE 526043 \$11,763 \$555 \$11,208 \$11,208 STARLIGHT \$5,000 PROVIDE ENERGY RELATED CLOSE 526044 \$738 \$738 \$738 TRAFFIC COURT \$5,000 PROVIDE ENERGY RELATED 526046 CLOSE \$1,236 \$3,257 \$2,020 \$2,020 \$5,000 PROVIDE ENERGY RELATED ALMADEN CLOSE 526047 \$0 \$0 \$5,000 SSA CHILD PROVIDE ENERGY RELATED CANCL 526049 \$0 \$0 \$5,000 SILVER CREEK PROVIDE ENERGY RELATED CANCL 526050 \$0 \$0 \$5,000 SANTA PROVIDE ENERGY RELATED CANCL 526052 \$0 \$0 \$1,000 DOWNTOWN RE-SET THERMOSTATS. CLOSE 528501 \$120 \$120 \$120 \$1,000 Chabova VHC RE-SET THERMOSTATS. 528502 CLOSE \$0 \$0 \$1,000 PARK ALAMEDA **RE-SET THERMOSTATS.** CLOSE 528503 \$1,467 \$1,467 \$1,467 \$1,000 TRAFFIC COURT CLOSE RE-SET THERMOSTATS 528508 \$257 \$257 \$257 \$1,000 PROBATION-MURIE RE-SET THERMOSTATS. CLOSE 528510 \$85 \$85 \$85 \$1,000 ALCOHOL RE-SET THERMOSTATS. CLOSE 528516 \$171 \$171 \$171 \$1,000 ALMADEN RE-SET THERMOSTATS. CLOSE 528521 \$171 \$171 \$171 \$1,000 NORTH COUNTY RE-SET THERMOSTATS 528525 CLOSE \$171 \$171 \$171 PROBATION-WORK \$1,000 RE-SET THERMOSTATS. CLOSE 528528 \$0 \$0 RE-SET THERMOSTATS. Closed as SUNNYVALE \$1,000 CLOSE 528536 \$0 \$0 RE-SET THERMOSTATS. Closed as FAIR OAKS MENTAL \$1,000 CLOSE 528542 \$171 \$171 \$171 \$1,000 RE-SET THERMOSTATS. Closed as SANTA 528543 CLOSE \$171 \$171 \$171 \$1,000 LOS GATOS **RE-SET THERMOSTATS.** CLOSE 528545 \$42 \$42 \$42 \$1,000 SOUTH COUNTY RE-SET THERMOSTATS. CLOSE 528546

7

## GSA - Facilities Department - Building Operations Division Expense Report: ATTACHMENT 1- ENERGY CONSERVATION PROJECTS MATRIX

Page

TOTAL LABOR SERVICE VENDOR COST MATERIAL TOTAL LABOR Regular Est Cost Overtime Bldg Nm Description Status WoNum \$171 \$171 \$171 SOUTH COUNTY \$1,000 RE-SET THERMOSTATS. CLOSE 528547 \$42 \$42 \$42 \$1,000 SOUTH COUNTY RE-SET THERMOSTATS. 528548 CLOSE \$42 \$42 \$42 \$1,000 SOUTH COUNTY CLOSE RE-SET THERMOSTATS. 528549 \$42 \$42 \$42 \$1,000 SOUTH COUNTY RE-SET THERMOSTATS. CLOSE 528550 \$171 \$171 \$171 \$1,000 RE-SET THERMOSTATS. Closed as VASONA CLOSE 528551 \$171 \$171 \$171 \$1,000 RE-SET THERMOSTATS. **JAMES** 528552 CLOSE \$0 \$0 JUVENILE \$1,000 **RE-SET THERMOSTATS.** CLOSE 528578 \$497 \$497 \$497 **ELMWD REHAB** \$1,000 RE-SET THERMOSTATS. 528579 CLOSE \$514 \$514 \$514 \$1,000 **ELMWD REHAB RE-SET THERMOSTATS.** 528581 CLOSE \$171 \$171 \$171 \$1,000 HOLDEN CLOSE RE-SET THERMOSTATS. 528582 \$13,335 \$13,335 \$13,335 \$5,000 MAIN JAIL SOUTH -INSTALL PRE-WIRING FOR CLOSE 532259 \$429 \$429 \$429 \$5,000 METHADONE INSTALL PRE-WIRING FOR CLOSE 532261 \$0 \$0 \$5,000 \*\*DEMOLISHED\*\*V INSTALL PRE-WIRING FOR CLOSE 532263 \$0 \$0 \$5,000 INSTALL PRE-WIRING FOR EAST VALLEY CLOSE 532265 \$446 \$446 \$446 EAST VHC (MH) \$5,000 INSTALL PRE-WIRING FOR 532266 CLOSE \$0 \$0 \$5,000 GSA-GARAGE GAS INSTALL PRE-WIRING FOR CLOSE 532287 \$0 \$0 \$5,000 **GSA FLEET** CLOSE INSTALL PRE-WIRING FOR 532288 \$0 \$0 **GSA-FLEET** INSTALL PRE-WIRING FOR CLOSE 532289 \$1,287 \$1,287 \$1,287 \$5,000 CIVIC CENTER INSTALL PRE-WIRING FOR CLOSE 532291 \$5,003 \$239 \$4,764 \$4,764 \$5,000 INSTALL PRE-WIRING FOR JUVENILE CLOSE 532292 \$1,373 \$1,373 \$1,373 \$5,000 ROADS INSTALL PRE-WIRING FOR 532293 CLOSE \$287 \$1,025 \$738 \$738 \$5,000 COUNTY SERVICE INSTALL PRE-WIRING FOR CLOSE 532294 \$1,287 \$1,287 \$1,287 \$5,000 COUNTY SERVICE INSTALL PRE-WIRING FOR CLOSE 532295 \$2,679 \$2,250 \$429 \$429 \$5,000 COUNTY SERVICE INSTALL PRE-WIRING FOR CLOSE 532296 \$446 \$446 \$446 \$5,000 SOUTH COUNTY INSTALL PRE-WIRING FOR CLOSE 534355 \$703 \$703 \$703 \$5.000 SOUTH COUNTY INSTALL PRE-WIRING FOR CLOSE 534357 \$909 \$909 \$909 \$5,000 LOS GATOS INSTALL PRE-WIRING FOR 534359 CLOSE \$1,458 \$1,458 \$1,458 \$5.000 SANTA INSTALL PRE-WIRING FOR 534360 CLOSE \$257 \$257 \$257 \$5,000 FAIR OAKS VHC INSTALL PRE-WIRING FOR CLOSE 534362 \$257 \$257 \$257 \$5,000 FAIR OAKS MENTAL INSTALL PRE-WIRING FOR CLOSE 534364 \$411 \$411 \$411 \$5,000 SUNNYVALE INSTALL PRE-WIRING FOR CLOSE 534365 \$411 \$411 \$411 \$5,000 PARK ALAMEDA INSTALL PRE-WIRING FOR CLOSE 534368

Page

			IACHMENT IS ENDING!		LABOR Overtime	Regular	TOTAL LABOR	MATERIAL	SERVICE VENDOR	TOTAL COST
WoNum	Status	Description	Bldg Nm	Est Cost \$5,000	Overtime	\$1,132	\$1,132			\$1,132
534370	CLOSE	INSTALL PRE-WIRING FOR	EAST VHC (PH)			\$7,132	\$703			\$703
534371	CLOSE	INSTALL PRE-WIRING FOR	OLD COURT HOUSE	\$5,000		\$1,047	\$1,047		<u>u parili da da Jaranas</u>	\$1,047
534372	CLOSE	INSTALL PRE-WIRING FOR	DOWNTOWN	\$5,000					\$2,519	\$27,063
534373	CLOSE	INSTALL PRE-WIRING FOR	Elmwood Rehabilitati	\$5,000		\$24,543	\$24,543		42,312	\$1,029
534376	CLOSE	INSTALL PRE-WIRING FOR	PROBATION-WORK	\$5,000		\$1,029	\$1,029	Market ( )		
534393	CLOSE	INSTALL PRE-WIRING FOR	HOLDEN	\$5,000		\$2,351	\$2,351		\$947	\$3,298
534394	CLOSE	INSTALL PRE-WIRING FOR	JAMES	\$5,000		\$3,665	\$3,665			\$3,665
534396	CLOSE	INSTALL PRE-WIRING FOR	ALCOHOL	\$5,000		\$1,905	\$1,905			\$1,905
534397	CLOSE	INSTALL PRE-WIRING FOR	PROBATION-MURIE	\$5,000		\$411	\$411			\$411
534399	CLOSE	INSTALL PRE-WIRING FOR	CHILD SHELTER	\$5,000		\$3,896	\$3,896			\$3,896
534400	CLOSE	INSTALL PRE-WIRING FOR	GSA	\$5,000		\$377	\$377			\$377
534401	CLOSE	INSTALL PRE-WIRING FOR	GSA	\$5,000		\$377	\$377			\$377
534402	CLOSE	INSTALL PRE-WIRING FOR	WOMENS	\$5,000		\$978	\$978			\$978
534403	CLOSE	INSTALL PRE-WIRING FOR	MAIN JAIL NORTH-	\$5,000		\$291	\$291			\$291
534404	CLOSE	INSTALL PRE-WIRING FOR	GSA-GARAGE GAS	\$5,000			\$0			\$0
534405	CLOSE	INSTALL PRE-WIRING FOR	****VACANT*MENT	\$5,000			\$0			\$0
534406	CLOSE	INSTALL PRE-WIRING FOR	SHOP	\$5,000		\$421	\$421			\$421
	CLOSE	INSTALL PRE-WIRING FOR	Storage Shed	\$5,000			\$0			\$0
534408	CLOSE	INSTALL PRE-WIRING FOR	Warehouse	\$5,000			\$0			\$0
534409		INSTALL PRE-WIRING FOR	NORTH COUNTY	\$5,000		\$1,939	\$1,939		\$34	\$1,973
534410	CLOSE	INSTALL PRE-WIRING FOR	NORTH COUNTY	\$5,000		\$514	\$514			\$514
534411	CLOSE		VECTOR CONTROL	\$5,000		\$171	\$171			\$171
534413	CLOSE	INSTALL PRE-WIRING FOR	WEST VALLEY	\$5,000		\$909	\$909			\$909
534414	CLOSE	INSTALL PRE-WIRING FOR	TEMPORARY	\$5,000		\$1,218	\$1,218			\$1,218
534415	CLOSE	INSTALL PRE-WIRING FOR		\$5,000	Statistica (1961-1967) Acceptors	\$669	\$669	alliane di sana el se partir con el		\$669
534416	CLOSE	INSTALL PRE-WIRING FOR	SOUTH COUNTY	\$5,000	and the second	\$171	\$171			\$171
535232	CLOSE	ESTIMATE TO UPGRADE	MAIN JAIL SOUTH -		Berryan Breuturth Pittigger beit	\$6,894	\$7,087	an parameter to aw	)	\$18,687
537770	CANCL	. Contract for electrical Power	COUNTY SERVICE	\$12,000	and arms to the second success	\$53	\$53			\$29,765
539449	CLOSE	and the constraint of the Manager and the constraint of the constr		\$5,000	exciting and all the production	\$108,260	\$123,507	1100000-1110	Carlotte and Market Control	\$127,823
540214	CLOSE			\$270,000			\$123,307			\$85
559622	CLOSE	DETERMINE IF NEEDED AND	CCOB-EAST WING	\$5,000	2000 ACA 1121 A 20 101 11 PER	\$85	\$85	distriction of sweet a		\$85
559628	CLOSE	DETERMINE IF NEEDED AND		\$5,000		\$85				\$257
559629	CLOSE	DETERMINE IF NEEDED AND	LOS GATOS	\$5,000		\$257	\$257			

Page

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					LABOR	<u> </u>			SERVICE	TOTAL
WoNum	Status	Description	Bldg Nm	Est Cost	Overtime	Regular	TOTAL LABOR	MATERIAL	VENDOR	COST
559630	CLOSE	DETERMINE IF NEEDED AND	CRIMINAL COURTS	\$5,000		\$532	\$532			\$532
559632	CLOSE	DETERMINE IF NEEDED AND	ROADS &	\$5,000		\$85	\$85			\$85
559633	CLOSE	DETERMINE IF NEEDED AND	FAIR OAKS MENTAL	\$5,000		\$197	\$197			\$197
559634	CLOSE	DETERMINE IF NEEDED AND	FAIR OAKS VHC	\$5,000		\$205	\$205			\$205
559635	CLOSE	DETERMINE IF NEEDED AND	NORTH COUNTY	\$5,000		\$514	\$514			\$514
559636	CLOSE	DETERMINE IF NEEDED AND	Juvenile Probation &	\$5,000		\$674	\$674			\$674
559637	CLOSE	DETERMINE IF NEEDED AND	MAIN JAIL SOUTH -	\$5,000			\$0			\$0
559638	CLOSE	DETERMINE IF NEEDED AND	MAIN JAIL NORTH -	\$5,000			\$0			\$0
560933	CLOSE	ESTIMATE COST TO UPGRADE	OFFICE FOR DEBS	\$5,000		\$619	\$619		\$438	\$1,057
560935	CLOSE	ESTIMATE COST OF UPGRADING	MENTAL HEALTH /	\$5,000		\$775	\$7 <b>7</b> 5			\$775
560937	CLOSE	ESTIMATE COST OF UPGRADING	SSA/CAL WORKS	\$5,000		\$1,058	\$1,058		\$2,170	\$3,228
561664	CLOSE	Lower t-stats and replace damaged	HALL OF	\$5,000		\$1,244	\$1,244			\$1,244
564910	CLOSE	DETERMINE IF NEEDED AND	SHERIFF	\$5,000		\$6,170	\$6,170		\$3,000	\$9,170
564911	CLOSE	DETERMINE IF NEEDED AND	COUNTY SERVICE	\$5,000		\$3,115	\$3,115		\$3,862	\$6, <b>97</b> 7
564913	CLOSE	DETERMINE IF NEEDED AND	SOUTH COUNTY	\$5,000		\$343	\$343		\$1,071	\$1,414
564914	CLOSE	DETERMINE IF NEEDED AND	San Martin VHC (Adul	\$5,000		\$188	\$188			\$188
564915	CLOSE	DETERMINE IF NEEDED AND	MEDICAL	\$5,000		\$171	\$171			\$171
564919	CLOSE	INSTALL LOCKING THERMOSTA	T ADMIN SSA	\$5,000		\$4,149	\$4,149			\$4,149
564920	CLOSE	INSTALL LOCKING THERMOSTA		\$5,000		\$5,594	\$5,594			\$5,594
573859	CLOSE	PROVIDE PG&E REQUESTED	SSA/CAL WORKS	\$180,000		\$18,908	\$18,908			\$18,908
A \$ 100 miles	CLOSE	PROVIDE PG&E REQUESTED	OFFICE FOR DEBS	\$7,000		\$3,608	\$3,608			\$3,608
573862	CLOSE	Improve Lighting in Boiler Room -	MAIN JAIL SOUTH -	\$6,000		\$3,484	\$3,484			\$3,484
575492	CLOSE	Adjust Lighting in the Garage - Park	CIVIC CENTER	\$5,000	<u> </u>	\$7,989	\$7,989		\$5,666	\$13,656
575569	CLOSE	SUPPORT RE-LAMPING	CCOB-EAST WING				\$0	\$30,011		\$30,011
582163	CLOSE	INSTALL MOTION SENSORS	PUBLIC DEFENDER	TO SEE SEE SEE SEE SEE SEE SEE SEE SEE SE		\$472	\$472		\$86	\$558
582165		Support Electrical Power Monitoring		\$15,000	<b>)</b>	\$2,438	\$2,438		\$8,387	\$10,825
583713	CLOSE		COUNTY SERVICE	\$2,700	) )	\$666	\$666	\$3,034	\$441	\$4,142
586867	CLOSE		COUNTY SERVICE	\$463,658			\$0			\$0
600443	CLOSE	Resilience in American substitution and accompany	COUNTY SERVICE	\$324,508	and the state of t	en provincia de la persona de la composición del composición de la composición de la composición de la composición del composición de la c	\$0			\$0
600444	CLOSE		COUNTY SERVICE				\$0			\$0
622980 622982	CLOSE	31 770 165	COUNTY SERVICE		entagent to Like It of their	er ususiger een ja gaarte transport of 1,1000	\$0			\$0

TOTALS: \$145,771 \$1,667,742 \$1,813,513 \$351,974 \$621,463 \$2,786,951

Selection Criteria:

WorkType=F, PCA=BOENE

Group By:

Start Date: 01/01/2000

End Date: 09/01/2004

# POLICY RESOLUTION # 06-03 Of the Board of Supervisors of the County of Santa Clara Approving Modifications to the Board Policy Manual Relating to Green Building Policy

WHEREAS, the County of Santa Clara supports sustainable economic development by encouraging the expansion of jobs in the environmental services and materials sector, which includes green building practices, products and technologies; and

WHEREAS, the County of Santa Clara recognizes and accepts its responsibility to implement and promote building practices that protect the Santa Clara natural environment; and

WHEREAS, development and construction practices are significant contributors to the depletion of natural resources and a contributing cause of water and air pollution, solid waste, deforestation, toxic wastes, health hazards, global warming, and other negative consequences; and

WHEREAS, buildings use one quarter of the entire world's wood harvest, consume two fifths of all materials and energy flows, and contribute to CO2 emissions; and

WHEREAS, the United States Green Building Council has created Leadership in Energy and Environmental Design (LEED) standards that identify a range of actions defining green buildings and establishing certification processes for new and existing buildings; and

WHEREAS, the County of Santa Clara recognizes that green building complements many existing policies and initiatives related to energy conservation and alternative energy production, waste reduction, waste recycling, use of degradable plastic products, e-waste management, pest management, and low emission vehicles use in the County Fleet;

WHEREAS, the proposed Green Building Policy contains strategies to 1) evaluate LEED certification in all new construction of County owned buildings where appropriate, 2) use green building goals and practices in renovations and operations of existing facilities, 3) provide training and education for all appropriate County procurement, capital projects and facility management staff on green building practices and products, and 3) promote voluntary application of green building guidelines in private sector building design, construction and operations; and

WHEREAS, the County of Santa Clara has already pursued LEED certification and applied green building principles in recent bond financed capital projects

including the Crime Laboratory, and Santa Clara Valley Health Clinics at Gilroy, Milpitas, and Fair Oaks; and

WHEREAS, the County of Santa Clara finds that green design and construction decisions made during the construction and remodeling of County owned buildings can result in significant cost savings to the County over the life of the buildings; and

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Supervisors of the County of Santa Clara that a Green Building policy be established and that the Board of Supervisor's Policy Manual is hereby amended adding Section 7.14 as follows to establish this policy;

**BE IT FURTHER RESOLVED** that the Clerk of the Board is directed to incorporate this additional language into the Manual so that it is available to all County staff.

	ND ADOPTED by the Board of S of California, on	Supervisors of the County of Santaby the following vote:
AYES:	Supervisors	
NOES:	Supervisors	
ABSTAIN:	Supervisors	
ABSENT:	Supervisors	
James T. Be Board of Su	eall Jr., Chair pervisors	
ATTEST:		DATED:
	Phyllis Perez, Clerk Board of Supervisors	
APPROVE	O AS TO FORM AND LEGALITY	
		DATED:
County Cou	insel	

#### 7.14. GREEN BUILDING POLICY

#### 7.14.1 Introduction

"Green building" is the practice of constructing and maintaining buildings in a manner that provides for efficient and sustainable usage of building materials; provides for water and energy conservation; provides for a healthy work environment; and reduces waste and pollution from building construction, maintenance, and demolition.

The Leadership in Energy and Environmental Design (LEED) program, as developed by the United States Green Building Council, is the most extensive, authoritative and well recognized standard that distinguishes "green buildings" from other buildings. The LEED program makes this distinction by providing common standards of measurement for designing, constructing, and maintaining "green buildings." Common measurement standards include usage of sustainable, recyclable, and non-toxic building materials; standards for reduced energy and water consumption; and construction practices that reduce environmental impacts.

# 7.14.2 Policy Statement

It is the policy of the Board of Supervisors that "green building" standards, as defined by the LEEDS program and other applicable government building codes, be implemented for purposes of constructing and maintaining County owned buildings in a manner that provides for efficient and sustainable usage of building materials; provides for water and energy conservation; provides for healthy work environments; and reduces waste and pollution from building construction, maintenance, and demolition.

The County of Santa Clara recognizes that establishing this policy provides a model for other jurisdictions, the private sector and County residents. As such it is intended to establish practices, training programs and procedures that may be of interest to individuals and organizations. Educational materials will be available to the public through publicly accessible documentation on the County website, and through the Planning Department.

#### 7.14.3 Procedures

The following procedures will be used in designing, constructing, maintaining and demolishing buildings in accordance with "green building" concepts:

(A) The LEED program and its guidelines will be the County's primary "green building" standard for designing, constructing, maintaining, and demolishing buildings.

- (B) The LEED program has four levels of "green building" performance (Certified, Silver, Gold, and Platinum). During the design of each new building, Capital Programs Division will provide a recommendation to the Board of Supervisors regarding the appropriate level of LEED certification and the resulting benefits and costs.
  - a. Certain new building types may not be appropriate for LEED certification. In these situations Capital Programs will provide a report explaining why LEED certification is not appropriate.
  - b. The County may also construct a building to LEED standards, but forgo the administrative costs of pursuing formal LEED certification recognition from the United States Green Building Council. Capital Programs will provide information regarding the administrative costs of pursuing formal LEED certification in its recommendation to the Board of Supervisors.
- (C) Based upon this information and recommendation, the Board of Supervisors will provide direction regarding the level of LEED performance to be achieved for each new County owned building, and whether the LEED certification process will be pursued to obtain formal LEED recognition from the United States Green Building Council.
- (D) Where no LEED program certification standard exists, the intent of this policy is that green building practices will be applied to the extent practicable.
- (E) In addition to LEED goals, an additional design goal will be established for new facilities to exceed California Title 24 Building Code energy consumption regulations.
- (F) New County owned buildings will also be designed to control storm water runoff in accordance with the requirements and procedures set forth in the <u>Santa Clara Valley Urban Runoff Pollution Prevention Program.</u>
- (G) LEED "green building" concepts will be used in building renovations. These concepts will include to the extent practicable, but not be limited to, improving water and energy conservation; using non-toxic materials; using sustainable and recyclable materials; and recycling demolition materials.
- (H) Equipment and products used within buildings will meet established Board policies pertaining to waste reduction, waste recycling, degradable plastic products, e-waste management, energy efficient equipment, pest management, and other related policies.

- (I) "Green building" expertise will be a criterion in selecting architectural and engineering firms.
- (J) An evaluation of renewable and/or other alternative energy sources will be made during the design of new buildings.
- (K) An energy analysis will be performed for the design of each new building, and each energy analysis will receive a design peer review.
- (L) To the extent that it is economical and practical, the construction design for each new building will include installation of individual power meters that are compatible with and can be incorporated into the Building Operations Enterprise Energy Management System for energy data collection, analysis and building energy management.

#### 7.14.4 Education

The County will promote "green building" practices by:

- (A) Providing educational brochures and information accessible via the County website and at the Planning Department Development services counter.
- (B) Participating in and sponsoring educational events.
- (C) Training capital project managers and selected facility management staff on "green building" practices.
- (D) Partnering with organizational groups that are promoting "green building" practices.