



**SACRAMENTO  
HOUSING AND REDEVELOPMENT  
AGENCY**



6

November 25, 1985

Budget & Finance Committee  
of the City Council  
Sacramento, CA

Honorable Members in Session:

SUBJECT: Energy Conservation Program for the Housing Authority

SUMMARY

The attached report is submitted to you for review and recommendation prior to consideration by the Housing Authority of the City of Sacramento.

RECOMMENDATION

The staff recommends approval of the recommendations outlined in the attached report.

Respectfully submitted,

*William H. Edgar*  
WILLIAM H. EDGAR  
Executive Director *WHE*

TRANSMITTAL TO COMMITTEE:

*Solon Wisham, Jr.*  
\_\_\_\_\_  
SOLON WISHAM, JR.  
Assistant City Manager



**SACRAMENTO  
HOUSING AND REDEVELOPMENT  
AGENCY**



DATE: December 2, 1985

Housing Authority of  
the City of Sacramento  
Sacramento, California

Honorable Members in Session:

SUBJECT: Energy Conservation Program for the Housing Authority  
of the City and County of Sacramento

**SUMMARY**

This report requests the following items:

1. The Energy Conservation Program is approved as presented and the Executive Director is authorized to proceed with energy conservation measures in the housing projects.
2. The Executive Director is authorized to solicit bids to perform energy conservation measures at Cal 7-4, Cal 5-19, Cal 5-3, Cal 7-1, Cal 7-2B, and Cal 7-2A.
3. The Executive Director is authorized to award and execute contracts to the lowest responsible bidders.
4. The Executive Director is authorized to amend the contract with Ahmo Garden to include additional services to perform the above work or additional services related to the Energy Conservation Program.
5. The Executive Director is authorized to loan \$180,000 from Parking Facility funds at 9% interest to be reimbursed upon receipt of Energy Bank and P.G.&E. rebates

(1)

# **SACRAMENTO HOUSING AND REDEVELOPMENT AGENCY**

Energy Conservation Program for the Housing Authority  
of the City and County of Sacramento  
December 2, 1985  
Page 2

## **BACKGROUND**

In resolution City 85-105 dated May 14, 1985 authorization was given to the Executive Director to apply for a grant from the California Energy Bank: Second Release, 1985. The Agency was ranked number one among the applicants and has received an initial award of \$241,797.00. We have also been informed that we are one of two applicants under consideration for a possible supplemental award. These funds have not been received by the Housing Authority as they are reimbursable expenses for actual installation.

The Executive Director was also authorized to apply for Pacific Gas and Electric Company (PG&E) "Cashback" rebates. Agency applications to date have been successful in the amount of \$160,763. These funds have been received as reimbursable expenses for previously installed work. The total funding approval for both programs is \$402,560.

By resolution City 85-039, the Executive Director was authorized to expend the California Energy Bank and PG&E Cashback rebates as was presented in that report. In that report staff could not present a full picture of the Energy Conservation Program due to unavailability of all data. This report and as shown attached represents a full scope of the Energy Conservation Program.

The data were gathered by Ahmo Garden and Associates, the Energy Consultant hired to prepare the documents for the Energy Bank and PG&E Cashback Rebates. The above funds will be spent on energy conservation measures in our low income and elderly housing projects. California Energy Bank fund conservation measures eligible for expenditures are as follows:

Clock thermostats, load management devices, replacement heat pumps, heat pump water heaters, meter conversion, caulking/weatherstripping, furnace modification/replacement, building insulation, water heater insulation, storm windows & doors, replacement air conditioner, new air conditioners, flow controllers, energy control systems, lighting system improvements, energy recovery systems, and cogeneration systems.

## SACRAMENTO HOUSING AND REDEVELOPMENT AGENCY

Energy Conservation Program for the Housing Authority  
of the City and County of Sacramento  
December 2, 1985  
Page 3

Cashback fund expenditures are for energy conservation measures which are eligible for additional Cashback refund, measures are as follows:

Insulation, caulking weatherstrip, H/W wrap, duct wrap, low-flow showerheads, storm windows, storm doors, clock therm, light conversions and common usage lighting.

The program data as shown in Attachment A shows the housing projects that require energy conservations measures, the measure to be installed, the cost for the measure, and the possible PG&E Cashback and Energy Bank rebates for the installation.

The summary of this program data indicates that it will cost \$911,046 to install all the measures indicated to the housing projects listed. The possible rebates that may be received for these installations may total \$773,196.

Both Cashback and the California Energy Bank reimburse expenditures for actual measures installed. Neither of the programs allow for draw down of funds in advance or anticipation of expenditure. This means that in order to use these programs adequate cash reserves to actually pay for reimbursable line items are needed. In other words the Housing Authority will need \$911,046 worth of installation in order to receive the maximum cash rebates of \$773,196. As we do not have funds to perform all the work, a scaled down version is presented.

As previously indicated the Housing Authority has received a total of \$160,763 from PG&E as reimbursable expenses for previously installed measure. Of this amount, approximately \$40,000 plus have been spent for the purchase of shower heads, caulking material, payment of consultant fees and miscellaneous related energy conservation items, leaving approximately \$120,000 in the energy conservation account.

At this writing Ahmo Garden & Associates will submit invoices for reimbursement for work presently being undertaken. As shown in Attachment B, the Housing Authority is eligible to receive reimbursement totaling \$179,727 for a total installation of \$283,559 performed under the 1983 CIAP. With this reimbursement

# SACRAMENTO HOUSING AND REDEVELOPMENT AGENCY

Energy Conservation Program for the Housing Authority  
of the City and County of Sacramento  
December 2, 1985  
Page 4

the energy conservation account will total approximately \$300,000 (\$120,000 & \$179,727).

Staff is therefore proposing to perform approximately \$300,000 of Energy Conservation measures instead of the full scope of \$911,046. The prioritization of work to be performed in the housing projects and their costs are listed below.

1. Cal 7-4	\$127,750
2. Cal 5-19	89,695
3. Cal 5-3	61,672
4. Cal 7-1	30,743
Cal 7-2B	9,150
Cal 7-2A	<u>11,400</u>
TOTAL	\$330,410

The actual amounts will depend on the receipts of actual bids and the work scope decreased as necessary to balance the budget to include administrative funds.

It should be noted that if the reimbursement of \$179,727 is not received at the time of contract award, the Executive Director is authorized to advance these funds to be reimbursed upon receipt of the Energy Bank and Cashback rebates.

Upon completion of this work the Housing Authority will submit invoices to the Energy Bank for reimbursement and applications to PG&E for rebates possibly totaling \$200,000, which can then be recycled for further energy measures.

## FINANCIAL DATA

The Energy Conservation account presently has approximately \$120,000, it is expected that at the time of contract award an amount of \$179,727 will be received from rebates or advanced from Tax Increment for a short period. The consultant fees will be paid from these funds not to exceed \$18,000.00.

# **SACRAMENTO HOUSING AND REDEVELOPMENT AGENCY**

Energy Conservation Program for the Housing Authority  
of the City and County of Sacramento  
December 2, 1985  
Page 5

## **ENVIRONMENTAL REVIEW**

A project of this nature is exempt from environmental review requirements.

## **POLICY IMPLICATIONS**

The proposed actions are consistent with previously adopted policy and there are no policy changes being recommended.

## **VOTE AND RECOMMENDATION OF COMMISSION**

At its regular meeting of December 2, 1985, the Sacramento Housing and Redevelopment Commission adopted a motion recommending adoption of the attached resolution. The votes were as follows:

AYES:

NOES:

ABSENT:

## **RECOMMENDATION**

The staff recommends adoption of the attached resolution :

1. The Energy Conservation Program is approved as presented and the Executive Director is authorized to proceed with energy conservation measures in the housing projects.
2. The Executive Director is authorized to solicit bids to perform energy conservation measures at Cal 7-4, Cal 5-19, Cal 5-3, Cal 7-1, Cal 7-2B, and Cal 7-2A.
3. The Executive Director is authorized to award and execute contracts to the lowest responsible bidders.

## SACRAMENTO HOUSING AND REDEVELOPMENT AGENCY

Energy Conservation Program for the Housing Authority  
of the City and County of Sacramento  
December 2, 1985  
Page 6

4. The Executive Director is authorized to amend the contract with Ahmo Garden to include additional services to perform the above work or additional services related to the Energy Conservation Program.

5. The Executive Director is authorized to loan \$180,000 from Parking Facility funds at 9% interest to be reimbursed upon receipt of Energy Bank and P.G.&E. rebates.

Respectfully submitted,

*William H. Edgar*  
WILLIAM H. EDGAR  
Executive Director

TRANSMITTAL TO COUNCIL:

---

WALTER J. SLIPE  
City Manager

Contact Person: Roy Tjen-A-Looi

# RESOLUTION NO.

ADOPTED BY THE HOUSING AUTHORITY OF THE CITY OF SACRAMENTO

ON DATE OF

ENERGY CONSERVATION PROGRAM FOR THE HOUSING AUTHORITY OF THE CITY  
AND COUNTY OF SACRAMENTO:

BE IT RESOLVED BY THE HOUSING AUTHORITY OF THE CITY OF  
SACRAMENTO:

Section 1: The Energy Conservation Program is approved  
as presented and the Executive Director is authorized to proceed  
with energy conservation measures in the housing projects.

Section 2: The Executive Director is authorized to  
solicit bids to perform energy conservation measures at Cal 5-19  
and Cal 5-3 and execute contracts to the lowest responsible  
bidders.

Section 3: The Executive Director is authorized to  
amend the contract with Ahmo Garden to include additional  
services to perform the above work or additional related to the  
Energy Conservation Program.

Section 4: The Executive Director is authorized to loan  
\$180,000 of Parking Facility funds at 9 percent interest to be  
reimbursed upon receipt of Energy Bank and PG&E rebates.

\_\_\_\_\_  
CHAIR

ATTEST:

\_\_\_\_\_  
SECRETARY

z:hacsenergycons



## SHRA: Estimated Energy Measure Expenditures and Energy Bank Fund Projections

CAL #	--Complex Description--				DIY	DIY	Installed	DIY	
	Complex Name	SFD/ No. MUD Units	* No. Apps.	* Shearhead	Total \$ @ \$12.29ea	H2O Wrap Total \$ @ \$10 each	Caulking Total \$ @ \$35 ea.	Weatherstrip Drs/ Unit	Total \$ @ \$8 each
5-2	River Oaks Project	SFD 40	35		\$492	I \$400	\$406	C 2	\$640
5-3	New Helvetia	SFD 104	68		\$1278	I \$1040	\$1055	C 2	\$1664
5-14	Colonial Heights Villa	SFD 80	70		\$983	\$800	\$2800	1	\$640
6-2	Kennedy Estates	SFD 36	24		\$442	\$0	B \$1260	1	\$288
6-3	4th Ave Park Terrace	SFD 24			\$295	\$240	\$840	2	\$384
6-5	Wildflower	SFD 10			\$123	\$100	\$350	2	\$160
7-1	Dos Rios Project	SFD 168	152		\$2065	I \$0	H \$1704	I 2	\$2688
7-2B	Dos Rios Project	SFD 50	0		\$615	I \$0	H \$507	I 2	\$800
5-13	William Land Villa	SFD 28	27		\$344	\$280	\$960	2	\$448
5-2	River Oaks Scat Sites	SFD 9			\$111	\$90	\$315	2	\$144
5-19	Scattered Sites	SFD 102			\$959	P \$1020	\$791	P 2	\$1632
5-20	Rehabilitated Units	SFD 60			\$0	\$0	\$0	0	\$0
5-21	Scat. Substan. Rehab.	SFD 47			\$0	\$0	\$0	0	\$0
6-4	Scattered Sites	SFD 8			\$98	\$80	\$290	2	\$128
7-2A	Dos Rios Scattered	SFD 50	47		\$615	I \$500	\$1750	2	\$800
7-4	Scattered Sites	SFD 103			\$1266	\$1030	\$3605	2	\$1648
7-9	Substan. Rehab. County	SFD 33			\$406	\$0	M \$0	2	\$528
Total Scattered Sites			412	47	\$3,453	\$2,720	\$6,741		\$4,880
<b>Total SFD</b>			<b>952</b>	<b>423</b>	<b>\$10,090</b>	<b>\$5,580</b>	<b>\$16,642</b>		<b>\$12,592</b>
					@ \$12.29ea	2@ \$25	@ \$10 each		
5-5	Sutter's View	MUD 77	60		\$946	\$50	\$770	1	\$770
5-6	Sierra View	MUD 78	61		\$959	\$50	\$780	1	\$780
5-7	Capitol Terrace	MUD 84	94		\$1032	\$50	\$840	1	\$840
5-8	The Comstocks	MUD 80	47		\$983	I \$50	\$800	1	\$800
5-9	Washington Plaza	MUD 76	61		\$934	\$50	\$760	1	\$760
5-10	Big Trees	MUD 29	26		\$356	\$50	\$290	1	\$290
5-11	Sherman Oaks Plaza	MUD 32			\$393	\$50	\$320	1	\$320
5-12	Lincoln Manor	MUD 18	15		\$221	\$50	\$180	1	\$180
5-15	Gibson Oaks	MUD 80	68		\$983	I \$50	\$800	1	\$800
5-16	Riverview	MUD 108	89		\$1327	\$50	\$1080	1	\$1080
5-17	Pine Knoll	MUD 30	29		\$369	\$300	\$300	1	\$300
5-18	Gran Casa Linda	MUD 40	26		\$492	I \$0	\$400	1	\$400
6-1	Ping Yuen Center	MUD 72	50		\$885	\$50	\$720	1	\$576
5-1	New Helvetia	MUD 254	165		\$3122	I \$2540	\$2576	I 1	\$2032
5-2	River Oaks Project	MUD 351	288		\$4314	I \$0	\$3559	I 1	\$2808
6-2	Kennedy Estates	MUD 64	61		\$787	\$0	\$640	1	\$512
<b>Total MUD</b>			<b>1473</b>	<b>1140</b>	<b>\$18,103</b>	<b>\$3,390</b>	<b>\$14,815</b>		<b>\$13,248</b>
<b>Total SFD plus MUD</b>			<b>2425</b>	<b>1563</b>	<b>\$28,193</b>	<b>\$8,970</b>	<b>\$31,456</b>		<b>\$25,840</b>

M=May Need C=Claimed

I=Installed B=boilers

P=Partial Installation

H=New Heaters

SHRA: Estimated Energy Measure Expenditures and Energy Bank Fund Projections

CAL *	Installed Attic Insulation		Installed Wall Insul.		Installed Setback		Installed Therm doors		Installed Lighting	
	Units w/ attic SFD \$210	Total \$	Total \$	Total \$	Total \$	Total \$	Total \$	Total \$	Total \$	Total \$
				@ \$65 each					@ 3 x \$34	
5-2	40	\$0 I	\$16000		\$2000 E		\$7252 I		\$4080	
5-3	104	\$0	\$41600		\$6760		\$0		\$10608	
5-14	20	\$4188	\$0		\$5200		\$0		\$8160	
6-2	0	\$0	\$0		\$2340		\$0		\$3672	
6-3	24	\$5040	\$0		\$1560		\$0		\$2448	
6-5	10	\$2100	\$0		\$650		\$0		\$1020	
7-1	0	\$0	\$45958 B		\$10920		\$0		\$17136	
7-2B	0	\$0	\$13678 B		\$3250		\$0		\$5100	
5-13	28	\$5680	\$0		\$1820		\$0		\$2856	
5-2	4	\$0 I	\$5400		\$585		\$0		\$918	
5-19	51	\$9600 P	\$61200		\$6630		\$0		\$10404	
5-20	0	\$0	\$18000		\$3900		\$0		\$6120	
5-21	0	\$0	\$14100		\$3055		\$0		\$4794	
6-4	8	\$3200	\$4800		\$520		\$0		\$816	
7-2A	50	\$0	\$13678 B		\$3250		\$0		\$5100	
7-4	103	\$41200	\$61800		\$6695		\$0		\$10506	
7-9	0	\$0	\$9900		\$2145		\$0		\$3366	
		\$54,000	\$188,878		\$26,780		\$0		\$42,024	
<b>502</b>		<b>\$71,208</b>	<b>\$306,114</b>		<b>\$61,280</b>		<b>\$7,252</b>		<b>\$97,104</b>	
									@ 3 x \$34	
5-5	11	\$0	\$0		\$0		\$0		\$7,854	
5-6	11	\$0	\$0		\$0		\$0		\$7,956	
5-7	10	\$0	\$0		\$0		\$0		\$8,568	
5-8	10	\$8085 I	\$0		\$0		\$0		\$8,160	
5-9	10	\$0	\$0		\$0		\$0		\$7,752	
5-10	10	\$0	\$0		\$0		\$0		\$2,958	
5-11	16	\$0	\$0		\$0		\$0		\$3,264	
5-12	9	\$0	\$0		\$0		\$0		\$1,836	
5-15	10	\$1375 P	\$0		\$0		\$0		\$8,160	
5-16	108	\$0	\$0		\$0		\$0		\$11,016	
5-17	30	\$0	\$0		\$1950		\$0		\$3,060	
5-18	24	\$10120 I	\$0		\$0		\$0		\$4,080	
6-1	24	\$0	\$0		\$0		\$0		\$7,344	
5-1	254	\$0 I	\$0		\$16510 I		\$0		\$25,908	
5-2	351	\$0	\$0		\$17550 E		\$63632		\$35,802	
6-2	64	\$0 R	\$0		\$4160		\$0		\$6,528	
		<b>\$19,580</b>	<b>\$0</b>		<b>\$40,170</b>		<b>\$63,632</b>		<b>\$150,246</b>	
		<b>\$90,788</b>	<b>\$306,114</b>		<b>\$101,450</b>		<b>\$70,884</b>		<b>\$247,350</b>	

R=Roof Insul. done not claimed E=Estimated  
B=Bid Price I=Installed

SHRA: Estimated Energy Measure Expenditures and Energy Bank Fund Projections

--Complex Description--						
CAL #	Complex Name	Project Total	Energy Bank Funds #	Total PG&E Rebate	Energy Bank plus Rebate	Energy Conserv. Account
5-2	River Oaks Project	\$31,269	\$13,585	\$9,200	\$22,795	\$8475
5-3	New Helvetia	\$64,005	\$26,698	\$28,080	\$54,778	\$9226
5-14	Colonial Heights Villa	\$22,771	\$7,306	\$0	\$7,306	\$15466
6-2	Kennedy Estates	\$8,002	\$2,165	\$3,420	\$5,585	\$2417
6-3	4th Ave Park Terrace	\$10,807	\$4,179	\$4,800	\$8,979	\$1827
6-5	Wildflower	\$4,503	\$1,741	\$950	\$2,691	\$1811
7-1	Dos Rios Project	\$80,470	\$31,667	\$33,059	\$64,726	\$15744
7-2B	Dos Rios Project	\$23,950	\$9,425	\$9,839	\$19,264	\$4686
5-13	William Land Villa	\$12,608	\$4,876	\$0	\$4,876	\$7732
5-2	River Oaks Scat Sites	\$7,563	\$3,322	\$3,555	\$6,877	\$685
5-19	Scattered Sites	\$92,236	\$40,916	\$43,920	\$84,836	\$7400
5-20	Rehabilitated Units	\$28,020	\$10,950	\$14,100	\$25,050	\$2970
5-21	Scat. Substan. Rehab.	\$21,949	\$8,578	\$11,045	\$19,623	\$2327
6-4	Scattered Sites	\$9,922	\$4,553	\$4,760	\$9,313	\$609
7-2A	Dos Rios Scattered	\$25,693	\$10,296	\$21,589	\$31,885	(\$6193)
7-4	Scattered Sites	\$127,750	\$58,622	\$61,285	\$119,907	\$7843
7-9	Substan. Rehab. County	\$16,345	\$6,489	\$5,610	\$12,099	\$4245
	Total Scattered Sites	\$329,476	<del>ES @ 50%</del>			
<b>Total SFD</b>		<b>\$587,862</b>	<b>\$245,379</b>	<b>\$255,212</b>	<b>\$500,591</b>	<b>\$87,271</b>
5-5	Sutter's View	\$10,390	\$2,078	\$9,722	\$11,800	(\$1410)
5-6	Sierra View	\$10,525	\$2,105	\$9,848	\$11,953	(\$1428)
5-7	Capitol Terrace	\$11,330	\$2,266	\$10,604	\$12,870	(\$1540)
5-8	The Comstocks	\$18,878	\$3,776	\$11,100	\$14,876	\$4003
5-9	Washington Plaza	\$10,256	\$2,051	\$9,596	\$11,647	(\$1391)
5-10	Big Trees	\$3,944	\$789	\$3,674	\$4,463	(\$518)
5-11	Sherman Oaks Plaza	\$4,347	\$869	\$4,052	\$4,921	(\$574)
5-12	Lincoln Manor	\$2,467	\$493	\$2,288	\$2,781	(\$314)
5-15	Gibson Oaks	\$12,168	\$2,434	\$10,100	\$12,534	(\$365)
5-16	Riverview	\$14,553	\$2,911	\$13,628	\$16,539	(\$1985)
5-17	Pine Knoll	\$6,279	\$1,256	\$4,980	\$6,236	\$43
5-18	Gran Casa Linda	\$15,492	\$3,098	\$7,440	\$10,538	\$4953
6-1	Ping Yuen Center	\$9,575	\$1,915	\$9,092	\$11,007	(\$1432)
5-1	New Helvetia	\$52,687	\$10,537	\$37,084	\$47,621	\$5066
5-2	River Oaks Project	\$127,665	\$25,533	\$54,756	\$80,289	\$47376
6-2	Kennedy Estates	\$12,627	\$2,525	\$10,004	\$12,529	\$97
			<del>ES @ 20%</del>			
<b>Total MUD</b>		<b>\$323,184</b>	<b>\$64,637</b>	<b>\$207,968</b>	<b>\$272,605</b>	<b>\$50,579</b>
<b>Total SFD plus MUD</b>		<b>\$911,046</b>	<b>\$310,016</b>	<b>\$463,180</b>	<b>\$773,196</b>	<b>\$137,850</b>

≠Lighting Conversion in SFD not included

SHRA: Estimated Energy Measure Expenditures and Energy Bank Fund Projections

CAL #	Complex Name	Notes
5-2	River Oaks Project	Caulking Claimed at \$10.14 per unit not installed. Attic Insul. installed before EB Caulking Claimed at \$10.14 per unit not installed. Attic Insul. installed before EE Attic Insul. is low. Check with Contractor.  Walls are actual amount
5-3	New Helvetia	
5-14	Colonial Heights Villa	
6-2	Kennedy Estates	
6-3	4th Ave Park Terrace	
6-5	Wildflower	
7-1	Dos Rios Project	
7-2B	Dos Rios Project	
5-13	William Land Villa	
5-2	River Oaks Soat Sites	
5-19	Scattered Sites	Caulking Claimed at \$10.14 per unit not installed
5-20	Rehabilitated Units	Assuming half of walls are insulated
5-21	Soat. Substan. Rehab.	Assuming half of walls are insulated
6-4	Scattered Sites	No Attic Insul. Ceilings are vaulted
7-2A	Dos Rios Scattered	
7-4	Scattered Sites	
7-9	Substan. Rehab. County	Assuming half of walls are insulated
5-5	Sutter's View	Attic Insul. estimated.
5-6	Sierra View	Attic Insul. estimated.
5-7	Capitol Terrace	Insulation in community room only
5-8	The Comstocks	
5-9	Washington Plaza	
5-10	Big Trees	
5-11	Sherman Oaks Plaza	
5-12	Lincoln Manor	
5-15	Gibson Oaks	
5-16	Riverview	
5-17	Pine Knoll	
5-18	Gran Casa Linda	
6-1	Ping Yuen Center	Caulking at \$10.14/unit Attic Insulation installed prior to EB program Caulking at \$10.14/unit
5-1	New Helvetia	
5-2	River Oaks Project	
6-2	Kennedy Estates	


---

**program. Thermostats need to be accurately priced  
program**

---

Sacramento Housing and Redevelopment Agency: Energy Measure Fund Leveraging

Attachment B

(13)

CAL #	Complex Name	SFD/ MUD	No. Units	Showerheads			Hot Water Wrap			Caulking			
				Project	PG&E	EB Funds	Project	PG&E	EB Funds	Project	PG&E	EB Funds	
				@\$12.29 ea.	@ \$10 ea.	@ 50%	@\$10 ea	@\$10 ea	@ 50%		@\$15 ea	@ 50%	
5-2	River Oaks Project	SFD	40	\$492	\$0	\$246	\$0	\$0	\$0	\$406	S	\$0	\$203
5-3	New Helvetia	SFD	104	\$1,278	\$0	\$639	\$0	\$0	\$0	\$1,055	S	\$0	\$527
5-14	Colonial Heights Villa	SFD	80	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-19	Scattered Sites	SFD	102	\$959	P	\$479	\$0	\$0	\$0	\$791	S	\$0	\$395
7-1	Dos Rios Project	SFD	168	\$2,065	\$0	\$1,032	\$0	\$0	\$0	\$1,704	S	\$0	\$852
7-2A	Dos Rios Scattered	SFD	50	\$615	\$0	\$307	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7-2B	Dos Rios Project	SFD	50	\$615	\$0	\$307	\$0	\$0	\$0	\$507	S	\$0	\$254
<b>Total SFD</b>			<b>594</b>	<b>\$6,022</b>	<b>\$0</b>	<b>\$3,011</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,462</b>	<b>\$0</b>	<b>\$2,231</b>	
				@\$12.29 ea.	@ \$10 ea.	@20%	@\$10 ea	@\$10 ea	@ 20%		@\$10ea	@ 20%	
5-2	River Oaks Project	MUD	351	\$4,314	?	\$0	\$863	\$0	\$0	\$3,559	S	\$0	\$712
5-1	New Helvetia	MUD	254	\$3,122	?	\$0	\$624	\$0	\$0	\$2,576	S	\$0	\$515
5-5	Sutter's View	MUD	77	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-6	Sierra View	MUD	78	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-8	The Cornstocks	MUD	80	\$983	N	\$800	\$197	\$0	\$0	\$5,280	P	\$200	\$1,056
5-15	Gibson Oaks	MUD	80	\$983	N	\$800	\$197	\$0	\$0	\$0	\$0	\$0	\$0
5-18	Gran Casa Linda	MUD	40	\$492	N	\$400	\$98	\$0	\$0	\$6,800	\$400	\$1,360	
<b>Total MUD</b>			<b>960</b>	<b>\$9,893</b>	<b>\$2,000</b>	<b>\$1,979</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$18,215</b>	<b>\$600</b>	<b>\$3,643</b>	
<b>Total SFD and MUD</b>			<b>1554</b>	<b>\$15,916</b>	<b>\$2,000</b>	<b>\$4,990</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$22,676</b>	<b>\$600</b>	<b>\$5,874</b>	

N=Assumed not submitted to PG&E  
 P=Partial: 78 units  
 ?=Have these been submitted?

P=Partial: 20 units  
 S=Submitted to PG&E

Sacramento Housing and Redevelopment Agency: Energy Measure Fund Leveraging

(14)

CAL #	Complex Name	Weatherstripping			Attic/Roof Insulation			Wall Insulation		
		Project	PG&E	EB Funds	Project	PG&E	EB Funds	Project	PG&E	EB Funds
			@ \$10ea	@ 50%		@ \$200ea	@ 50%		@ \$300 ea.	@ 50%
5-2	River Oaks Project	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-3	New Helvetia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-14	Colonial Heights Villa	\$0	\$0	\$0	\$4,188 E	\$0	\$2,094	\$0	\$0	\$0
5-19	Scattered Sites	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7-1	Dos Rios Project	\$0	\$0	\$0	\$0	\$0	\$0	\$45,958 B	\$22,979	\$22,979
7-2A	Dos Rios Scattered	\$0	\$0	\$0	\$0	\$0	\$0	\$13,678 B	\$6,839	\$6,839
7-2B	Dos Rios Project	\$0	\$0	\$0	\$0	\$0	\$0	\$13,678 B	\$6,839	\$6,839
<b>Total SFD</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,188</b>	<b>\$0</b>	<b>\$2,094</b>	<b>\$73,314</b>	<b>\$36,657</b>	<b>\$36,657</b>
			@ \$10ea	@ 20%		@ \$100 ea.	@ 20%		@ \$100 ea.	@ 20%
5-2	River Oaks Project	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-1	New Helvetia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-5	Sutter's View	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-6	Sierra View	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-8	The Comstocks	\$0	\$0	\$0	\$8,085 P	\$1,000	\$1,617	\$0	\$0	\$0
5-15	Gibson Oaks	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-18	Gran Casa Linda	\$0	\$0	\$0	\$10,120 P	\$2,400	\$2,024	\$0	\$0	\$0
<b>Total MUD</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$18,205</b>	<b>\$3,400</b>	<b>\$3,641</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total SFD and MUD</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$22,393</b>	<b>\$3,400</b>	<b>\$5,735</b>	<b>\$73,314</b>	<b>\$36,657</b>	<b>\$36,657</b>

E= All Electric does not qualify for PG&E

P=Partial amount: only 24 units with attics

B=Bid price

Sacramento Housing and Redevelopment Agency: Energy Measure Fund Leveraging

(15)

CAL #	Complex Name	Setback Thermostats			Thermal doors			Lighting Conversion		
		Project	PG&E	EB Funds	Project	PG&E	EB Funds	Project	PG&E	EB Funds
			@ \$30 ea.	@ 50%		@ \$15 each	@ 50%		@ \$20 each	N/A
5-2	River Oaks Project	\$2,000 E	\$1,000	\$1,000	\$7,252 A	\$1,200	\$3,626	\$5,067 E	\$0	\$0
5-3	New Helvetia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-14	Colonial Heights Villa	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-19	Scattered Sites	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7-1	Dos Rios Project	\$0	\$0	\$0	\$0	\$0	\$0	\$0 R	\$3,360	\$0
7-2A	Dos Rios Scattered	\$0	\$0	\$0	\$0	\$0	\$0	\$0 R	\$1,000	\$0
7-2B	Dos Rios Project	\$0	\$0	\$0	\$0	\$0	\$0	\$0 R	\$1,000	\$0
<b>Total SFD</b>		<b>\$2,000</b>	<b>\$1,000</b>	<b>\$1,000</b>	<b>\$7,252</b>	<b>\$1,200</b>	<b>\$3,626</b>	<b>\$5,067</b>	<b>\$5,360</b>	<b>\$0</b>
			@ \$30 each	@ 20%		@ \$15 each	@ 20%		@ \$24 each	@ 20%
5-2	River Oaks Project	\$17,550 E	\$8,775	\$3,510	\$63,633	\$10,530	\$12,727	\$44,459 E	\$22,113	\$8,892
5-1	New Helvetia	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-5	Sutter's View	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-6	Sierra View	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-8	The Comstocks	\$0	\$0	\$0	\$0	\$0	\$0	\$2,600 P	\$456	\$520
5-15	Gibeon Oaks	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500 P,E	\$750	\$300
5-18	Gran Casa Linda	\$0	\$0	\$0	\$0	\$0	\$0	\$5,200 E	\$2,016	\$1,040
<b>Total MUD</b>		<b>\$17,550</b>	<b>\$8,775</b>	<b>\$3,510</b>	<b>\$63,633</b>	<b>\$10,530</b>	<b>\$12,727</b>	<b>\$53,759</b>	<b>\$25,335</b>	<b>\$10,752</b>
<b>Total SFD and MUD</b>		<b>\$19,550</b>	<b>\$9,775</b>	<b>\$4,510</b>	<b>\$70,884</b>	<b>\$11,730</b>	<b>\$16,352</b>	<b>\$58,826</b>	<b>\$30,695</b>	<b>\$10,752</b>

E=Estimated

A=Actual amount

R= Rebates estimated  
E= Estimated  
P=Partial installation



Sacramento Housing and Redevelopment Agency: Energy Measure Fund Leveraging

(16)

CAL #	Complex Name	Project Totals			PG&E plus
		Project	PG&E	EB Funds	EB Funds
5-2	River Oaks Project	\$15,216	\$2,200	\$5,074	\$7,274
5-3	New Helvetia	\$2,333	\$0	\$1,166	\$1,166
5-14	Colonial Heights Villa	\$4,188	\$0	\$2,094	\$2,094
5-19	Scattered Sites	\$1,750	\$0	\$875	\$875
7-1	Dos Rios Project	\$49,726	\$26,339	\$24,863	\$51,202
7-2A	Dos Rios Scattered	\$14,293	\$7,839	\$7,146	\$14,985
7-2B	Dos Rios Project	\$14,800	\$7,839	\$7,400	\$15,239
<b>Total SFD</b>		<b>\$102,304</b>	<b>\$44,217</b>	<b>\$48,619</b>	<b>\$92,836</b>
5-2	River Oaks Project	\$133,515	\$41,418	\$26,703	\$68,121
5-1	New Helvetia	\$5,697	\$0	\$1,139	\$1,139
5-5	Sutter's View	\$0	\$0	\$0	\$0
5-6	Sierra View	\$0	\$0	\$0	\$0
5-8	The Comstocks	\$16,948	\$2,456	\$3,390	\$5,846
5-15	Gibson Oaks	\$2,483	\$1,550	\$497	\$2,047
5-18	Gran Casa Linda	\$22,612	\$5,216	\$4,522	\$9,738
<b>Total MUD</b>		<b>\$181,255</b>	<b>\$50,640</b>	<b>\$36,251</b>	<b>\$86,891</b>
<b>Total SFD and MUD</b>		<b>\$283,559</b>	<b>\$94,857</b>	<b>\$84,870</b>	<b>\$179,727</b>

Sacramento Housing and Redevelopment Agency: Energy Measure Fund Leveraging

(17)

CAL #	Complex Name	Notes
5-2 5-3 5-14 5-19 7-1 7-2A 7-2B	River Oaks Project New Helvetia Colonial Heights Villa Scattered Sites Dos Rios Project Dos Rios Scattered Dos Rios Project	Showerheads @\$12.29 each, Thermostats are estimated.  78 units: Showerheads,Caulking,Attic Insulation Wall Insulation Amount is a Bid.
5-2 5-1 5-5 5-6 5-8 5-15 5-18	River Oaks Project New Helvetia Sutter's View Sierra View The Comstocks Gibson Oaks Gran Casa Linda	Thermal Doors @ 181.29 ea. Three Lights per unit:1@\$48,2@\$39  Estimated 44 Lights @\$52.27 ea.& 40 @\$72.50 ea.