

# **Public Housing Utility Allowance Estimates**



**Prepared For The  
Housing Authority of  
the County of Butte  
Chico, California**

**May 2012**

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## **EXECUTIVE SUMMARY**

## Executive Summary

MRG was contracted by the HACB to assess its existing Utility Allowance Estimates to provide a “third party” independent analysis approach to insure not only uniformity in application but compliance with the new HUD regulations printed in the *Federal Register* on Thursday, February 29, 1996. Currently, the data as modified by field observation of appliance usage (as appropriate) and appliance consumption characteristic data supplied by local utility companies.

MRG conducted an on-site survey of the ten (10) developments managed by the HACB for analysis of energy consumption and the creation of new utility allowance estimates for those developments in which energy could be individually metered per the guidelines of 24CFR, Part 965, Subpart E.

Our survey was completed in May 2012 and it was our determination that at this time, that all of the developments have the capability of being individually monitored for electrical, and natural gas but master metered for water/sewer consumption. Therefore, the Utility Allowance Estimates that were developed by MRG for use in 2012-2013 reflect electrical and natural gas consumption for the developments.

During our survey we noted the light fixture patterns in each apartment, the HACB furnished appliances and the variety of miscellaneous electrical appliances/apparatuses residents owned. These observations became the basis by which we developed estimates for each apartment size to approximate a “reasonable consumption of electricity” by an energy conservative household of modest circumstances consistent with the requirement of providing a safe, sanitary and healthful living environment.

The components of measurement were defined as lighting, refrigeration, cooking and miscellaneous electrical appliances. The new estimates were developed from several sources but with one concept in mind - an energy conservative household. Lighting estimates were developed by assigning a certain number of hours of operation for each fixture with respect to its location and number of bulbs required. We assumed that all incandescent bulbs were 60 watt except for reading lamps, which were 100-watt bulbs. The hours of operation per fixture at each location we used reflects national norms as published in the *U.S. Department of Energy* (DOE) publications. The specific hours of operation per day used for lighting in our model are:

Porch	5 hours	Dining Room	2 hours
Hallway	1 hour	Bedroom	2 hours
Kitchen	4 hours	Storage	.5 hour
Living Room	4 hours	Lamps	4 hours
Laundry	2 hours		

Refrigerators are furnished by the HACB and are normally the same size throughout the Authority. However, consumption increases in the larger apartments because of more opening and closing of the refrigerator. Refrigerator consumption was developed per manufacturer's specifications and usage guide information from utility suppliers. The new estimates only provide consumption consideration for **one** HACB supplied refrigerator. The consumption estimates we used are:

1 Bedroom	567 kWh/year	4 Bedroom	600 kWh/year
2 Bedroom	578 kWh/year	5 Bedroom	607 kWh/year
3 Bedroom	594 kWh/year		

Cooking estimates were developed in the same manner as refrigeration and even though the ranges are basically the same size, consumption increases with larger apartments because of more usage. The estimated annual consumption for natural gas ranges with standing pilots is:

1 Bedroom	30 Therms/year	4 Bedroom	40 Therms/year
2 Bedroom	33 Therms/year	5 Bedroom	43 Therms/year
3 Bedroom	36 Therms/year		

Miscellaneous electrical appliances/apparatuses that residents owned were defined as those items that have been historically included by the HACB and accepted by HUD. These include: 1 color TV; 1 radio/stereo; 1 hand mixer; 1 2-slot toaster; 1 blender; 1 vacuum cleaner; 1 hand iron; 1 microwave; 1 clock; 1 coffee pot; 1 VCR/DVR; 1 fan; 1 washing machine, and other small appliances in addition to or replacing one of the above listed devices. The corresponding annual consumption attributed to these appliances increases with bedroom size because of larger households and therefore more usage. The consumption estimates we used are:

1 Bedroom	707 kWh/year	4 Bedroom	1,273 kWh/year
2 Bedroom	818 kWh/year	5 Bedroom	1,597 kWh/year
3 Bedroom	1,028 kWh/year		

To assist the HACB in applying its utility allowance estimates, MRG has developed a schedule of surcharges for excess consumption. The surcharges address major appliances, which were judged unnecessary for a modest family and therefore, not included in the estimates. These scheduled surcharges are intended for developments, which are not currently individually metered or sub-metered. The list of surcharges is as follows:

Freezer	\$6.00/month	Clothes dryer	\$ 3.50/month
Extra Refrigerator	\$5.00/month	Window A/C	\$ 10.00/month

In addition, because of the special needs and requirement of electrically powered medical equipment MRG recommends that an amount of \$10.00 per month granted upon request for a family in these circumstances. A survey of the types and electrical requirement for this equipment utilizing standard 120 volt services and assuming a daily use requirement the \$10.00 per month is a fair and equitable relief factor.

To reduce the administrative work load to administer utility allowance estimate throughout the ten (10) developments, different apartment sizes and various unit types, MRG has elected to present the most energy consumptive case scenarios for each bedroom size in each development. That is if there are two or more configurations per bedroom size we have presented the largest energy consumer and the allowance estimates for that bedroom size in each development. Therefore if there are one through four bedrooms in a development, there are four utility allowance estimates.

**HOUSING AUTHORITY OF THE COUNTY OF BUTTE  
CHICO, CALIFORNIA**

**UTILITY ALLOWANCE ESTIMATES**

**FY 2012/2013**

**CA 43-1A, Gridley**

	<b>2 Bedroom</b>	<b>3 Bedroom</b>	<b>4 Bedroom</b>
Electricity	41.00	45.00	49.00
Natural Gas	26.00	30.00	36.00
<b>Total</b>	<b>\$ 67.00</b>	<b>\$ 75.00</b>	<b>\$ 85.00</b>

**CA 43-1B, Gridley**

	<b>1 Bedroom ADA</b>	<b>2 Bedroom</b>	<b>3 Bedroom</b>	<b>4 Bedroom</b>	<b>5 Bedroom</b>
Electricity	43.00	41.00	45.00	49.00	54.00
Natural Gas	15.00	26.00	30.00	36.00	41.00
<b>Total</b>	<b>\$ 58.00</b>	<b>\$ 67.00</b>	<b>\$ 75.00</b>	<b>\$ 85.00</b>	<b>\$ 95.00</b>

**CA 43-2A, Biggs**

	<b>1 Bedroom ADA</b>	<b>2 Bedroom</b>	<b>3 Bedroom</b>	<b>4 Bedroom</b>
Electricity	45.00	43.00	47.00	52.00
Natural Gas	15.00	26.00	30.00	36.00
<b>Total</b>	<b>\$ 60.00</b>	<b>\$ 69.00</b>	<b>\$ 77.00</b>	<b>\$ 88.00</b>

**CA 43-2B, Biggs**

	<b>2 Bedroom</b>	<b>3 Bedroom</b>
Electricity	43.00	47.00
Natural Gas	26.00	30.00
<b>Total</b>	<b>\$ 69.00</b>	<b>\$ 77.00</b>

**HOUSING AUTHORITY OF THE COUNTY OF BUTTE  
CHICO, CALIFORNIA**

**UTILITY ALLOWANCE ESTIMATES**

**FY 2012/2013**

**CA 43-3, Chico**

	<b>1 Bedroom</b>	<b>2 Bedroom</b>	<b>3 Bedroom</b>	<b>4 Bedroom</b>
Electricity	22.00	23.00	26.00	29.00
Natural Gas	21.00	25.00	29.00	35.00
<b>Total</b>	<b>\$ 43.00</b>	<b>\$ 48.00</b>	<b>\$ 55.00</b>	<b>\$ 64.00</b>

**CA 43-3, Chico – ADA**

	<b>1 Bedroom</b>	<b>2 Bedroom</b>	<b>3 Bedroom</b>
Electricity	24.00	28.00	31.00
Natural Gas	15.00	18.00	21.00
<b>Total</b>	<b>\$ 39.00</b>	<b>\$ 46.00</b>	<b>\$ 52.00</b>

**CA 43-4, Gridley**

	<b>1 Bedroom</b>	<b>2 Bedroom</b>	<b>3 Bedroom</b>	<b>4 Bedroom</b>
Electricity	39.00	41.00	45.00	49.00
Natural Gas	21.00	26.00	30.00	36.00
<b>Total</b>	<b>\$ 60.00</b>	<b>\$ 67.00</b>	<b>\$ 75.00</b>	<b>\$ 85.00</b>

**CA 43-10, Winston Gardens**

	<b>1 Bedroom</b>	<b>2 Bedroom</b>
Electricity	44.00	52.00
Natural Gas	13.00	16.00
<b>Total</b>	<b>\$ 57.00</b>	<b>\$ 68.00</b>



**HOUSING AUTHORITY OF THE COUNTY OF BUTTE  
CHICO, CALIFORNIA**

**UTILITY ALLOWANCE ESTIMATES**

**FY 2012/2013**

**CA 43-13, Rhodes Terrace and Shelton Oaks**

	<b>2 Bedroom</b>	<b>3 Bedroom</b>
Electricity	22.00	26.00
Natural Gas	22.00	26.00
<b>Total</b>	<b>\$ 44.00</b>	<b>\$ 52.00</b>

**CA 43-14, Oroville**

	<b>3 Bedroom</b>
Electricity	24.00
Natural Gas	28.00
<b>Total</b>	<b>\$ 52.00</b>

**CA 43-15, Oroville**

	<b>3 Bedroom</b>
Electricity	27.00
Natural Gas	26.00
<b>Total</b>	<b>\$ 53.00</b>

**CA 43-1A, GRIDLEY**

### ANNUAL ELECTRICAL CONSUMPTION ITEMIZATION (kWh)

<u>Unit Type</u>	<u>Lights</u>	<u>Refrigerator</u>	<u>Fans/Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Misc</u>	<u>Total</u>
2 Duplex End	1161	578	105			818	2662
3 Duplex End	1260	594	120			1028	3002
4 Duplex End	1376	600	111			1273	3360

### ANNUAL NATURAL GAS CONSUMPTION ITEMIZATION (Therms)

<u>Unit Type</u>	<u>Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Other</u>	<u>Total</u>
2 Duplex End	142	152	33	0	327
3 Duplex End	180	174	36	0	390
4 Duplex End	222	204	40	0	466

### MONTHLY ELECTRICAL CONSUMPTION (kWh)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	236	228	226	221	217	213	213	213	214	216	227	237	222
3 Duplex End	266	258	255	250	245	241	240	240	241	244	256	267	250
4 Duplex End	295	287	285	279	275	271	271	271	271	274	286	296	280

### MONTHLY ELECTRICAL COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	\$43	\$42	\$42	\$41	\$41	\$40	\$40	\$40	\$40	\$41	\$42	\$43	\$41
3 Duplex End	\$47	\$46	\$46	\$45	\$44	\$44	\$44	\$44	\$44	\$44	\$46	\$47	\$45
4 Duplex End	\$51	\$50	\$50	\$49	\$49	\$48	\$48	\$48	\$48	\$48	\$50	\$51	\$49

### MONTHLY NATURAL GAS CONSUMPTION (Therms)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	46	36	33	26	21	16	15	15	16	20	35	47	27
3 Duplex End	57	44	40	32	24	18	18	18	18	23	42	58	33
4 Duplex End	69	53	48	38	28	21	20	20	21	27	50	70	39

### MONTHLY NATURAL GAS COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	\$41	\$33	\$31	\$25	\$21	\$16	\$16	\$16	\$16	\$20	\$32	\$42	\$26
3 Duplex End	\$50	\$40	\$36	\$30	\$23	\$18	\$18	\$18	\$18	\$22	\$38	\$51	\$30
4 Duplex End	\$63	\$47	\$43	\$35	\$26	\$21	\$20	\$20	\$21	\$26	\$45	\$64	\$36

**CA 43-1B, GRIDLEY**

**ANNUAL ELECTRICAL CONSUMPTION ITEMIZATION (kWh)**

<u>Unit Type</u>	<u>Lights</u>	<u>Refrigerator</u>	<u>Fans/Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Misc</u>	<u>Total</u>
2 Duplex End	1161	578	105			818	2662
3 Duplex End	1260	594	120			1028	3002
4 Single Family Other	1376	600	111			1273	3360
5 Single Family Other	1464	611	131			1597	3803
1 Duplex-ADA End	512	567	105		933	707	2824

**ANNUAL NATURAL GAS CONSUMPTION ITEMIZATION (Therms)**

<u>Unit Type</u>	<u>Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Other</u>	<u>Total</u>
2 Duplex End	142	152	33	0	327
3 Duplex End	180	174	36	0	390
4 Single Family Other	222	204	40	0	466
5 Single Family Other	262	226	43	0	531
1 Duplex-ADA End	142	35	0	0	177

### MONTHLY ELECTRICAL CONSUMPTION (kWh)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	236	228	226	221	217	213	213	213	214	216	227	237	222
3 Duplex End	266	258	255	250	245	241	240	240	241	244	256	267	250
4 Single Family Other	295	287	285	279	275	271	271	271	271	274	286	296	280
5 Single Family Other	334	325	322	316	311	306	306	306	307	310	324	335	317
1 Duplex-ADA End	249	242	240	235	230	227	227	227	227	230	241	250	235

### MONTHLY ELECTRICAL COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	\$43	\$42	\$42	\$41	\$41	\$40	\$40	\$40	\$40	\$41	\$42	\$43	\$41
3 Duplex End	\$47	\$46	\$46	\$45	\$44	\$44	\$44	\$44	\$44	\$44	\$46	\$47	\$45
4 Single Family Other	\$51	\$50	\$50	\$49	\$49	\$48	\$48	\$48	\$48	\$48	\$50	\$51	\$49
5 Single Family Other	\$57	\$55	\$55	\$54	\$53	\$53	\$53	\$53	\$53	\$53	\$55	\$57	\$54
1 Duplex-ADA End	\$45	\$44	\$44	\$43	\$42	\$42	\$42	\$42	\$42	\$42	\$44	\$45	\$43



### MONTHLY NATURAL GAS CONSUMPTION (Therms)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	46	36	33	26	21	16	15	15	16	20	35	47	27
3 Duplex End	57	44	40	32	24	18	18	18	18	23	42	58	33
4 Single Family Other	69	53	48	38	28	21	20	20	21	27	50	70	39
5 Single Family Other	79	60	55	43	32	23	22	22	23	31	58	81	44
1 Duplex-ADA End	34	24	21	14	8	3	3	3	4	7	22	35	15

### MONTHLY NATURAL GAS COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	\$41	\$33	\$31	\$25	\$21	\$16	\$16	\$16	\$16	\$20	\$32	\$42	\$26
3 Duplex End	\$50	\$40	\$36	\$30	\$23	\$18	\$18	\$18	\$18	\$22	\$38	\$51	\$30
4 Single Family Other	\$63	\$47	\$43	\$35	\$26	\$21	\$20	\$20	\$21	\$26	\$45	\$64	\$36
5 Single Family Other	\$74	\$53	\$49	\$39	\$30	\$22	\$21	\$21	\$22	\$29	\$51	\$76	\$41
1 Duplex-ADA End	\$31	\$23	\$21	\$15	\$10	\$6	\$6	\$6	\$6	\$9	\$21	\$32	\$15

**CA 43-2A, BIGGS**

### ANNUAL ELECTRICAL CONSUMPTION ITEMIZATION (kWh)

<u>Unit Type</u>	<u>Lights</u>	<u>Refrigerator</u>	<u>Fans/Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Misc</u>	<u>Total</u>
2 Duplex End	1161	578	105			818	2662
3 Duplex End	1260	594	120			1028	3002
4 Duplex End	1376	600	111			1273	3360
1 Duplex-ADA End	512	567	105		933	707	3360

### ANNUAL NATURAL GAS CONSUMPTION ITEMIZATION (Therms)

<u>Unit Type</u>	<u>Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Other</u>	<u>Total</u>
2 Duplex End	142	152	33	0	327
3 Duplex End	180	174	36	0	390
4 Duplex End	222	204	40	0	466
1 Duplex-ADA End	142	35			177

### MONTHLY ELECTRICAL CONSUMPTION (kWh)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	236	228	226	221	217	213	213	213	214	216	227	237	222
3 Duplex End	266	258	255	250	245	241	240	240	241	244	256	267	250
4 Duplex End	295	287	285	279	275	271	271	271	271	274	286	296	280
1 Duplex-ADA End	249	242	240	235	230	227	227	227	227	230	241	250	235

### MONTHLY ELECTRICAL COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	\$45	\$44	\$43	\$43	\$42	\$41	\$41	\$41	\$42	\$42	\$44	\$45	\$43
3 Duplex End	\$50	\$49	\$48	\$47	\$47	\$46	\$46	\$46	\$46	\$46	\$48	\$50	\$47
4 Duplex End	\$55	\$53	\$53	\$52	\$51	\$51	\$51	\$51	\$51	\$51	\$53	\$55	\$52
1 Duplex-ADA End	\$47	\$46	\$46	\$45	\$44	\$44	\$44	\$44	\$44	\$44	\$46	\$47	\$45

### MONTHLY NATURAL GAS CONSUMPTION (Therms)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	46	36	33	26	21	16	15	15	16	20	35	47	27
3 Duplex End	57	44	40	32	24	18	18	18	18	23	42	58	33
4 Duplex End	69	53	48	38	28	21	20	20	21	27	50	70	39
1 Duplex-ADA End	34	24	21	14	8	3	3	3	4	7	22	35	15

### MONTHLY NATURAL GAS COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	\$41	\$33	\$31	\$25	\$21	\$16	\$16	\$16	\$16	\$20	\$32	\$42	\$26
3 Duplex End	\$50	\$40	\$36	\$30	\$23	\$18	\$18	\$18	\$18	\$22	\$38	\$51	\$30
4 Duplex End	\$63	\$47	\$43	\$35	\$26	\$21	\$20	\$20	\$21	\$26	\$45	\$64	\$36
1 Duplex-ADA End	\$31	\$23	\$21	\$15	\$10	\$6	\$6	\$6	\$6	\$9	\$21	\$32	\$15

**CA 43-2B, BIGGS**

**ANNUAL ELECTRICAL CONSUMPTION ITEMIZATION (kWh)**

<u>Unit Type</u>	<u>Lights</u>	<u>Refrigerator</u>	<u>Fans/Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Misc</u>	<u>Total</u>
2 Duplex End	1161	578	105			818	2662
3 Duplex End	1260	594	120			1028	3002

**ANNUAL NATURAL GAS CONSUMPTION ITEMIZATION (Therms)**

<u>Unit Type</u>	<u>Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Other</u>	<u>Total</u>
2 Duplex End	142	152	33	0	327
3 Duplex End	180	174	36	0	390

### MONTHLY ELECTRICAL CONSUMPTION (kWh)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	236	228	226	221	217	213	213	213	214	216	227	237	222
3 Duplex End	266	258	255	250	245	241	240	240	241	244	256	267	250

### MONTHLY ELECTRICAL COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	\$45	\$44	\$43	\$43	\$42	\$41	\$41	\$41	\$42	\$42	\$44	\$45	\$43
3 Duplex End	\$50	\$49	\$48	\$47	\$47	\$46	\$46	\$46	\$46	\$46	\$48	\$50	\$47



### MONTHLY NATURAL GAS CONSUMPTION (Therms)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	46	36	33	26	21	16	15	15	16	20	35	47	27
3 Duplex End	57	44	40	32	24	18	18	18	18	23	42	58	33

### MONTHLY NATURAL GAS COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	\$41	\$33	\$31	\$25	\$21	\$16	\$16	\$16	\$16	\$20	\$32	\$42	\$26
3 Duplex End	\$50	\$40	\$36	\$30	\$23	\$18	\$18	\$18	\$18	\$22	\$38	\$51	\$30

CA 43-3, CHICO

**ANNUAL ELECTRICAL CONSUMPTION ITEMIZATION (kWh)**

<u>Unit Type</u>	<u>Lights</u>	<u>Refrigerator</u>	<u>Fans/Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Misc</u>	<u>Total</u>
1 Duplex End	1074	567	70			707	2418
2 Duplex End	1161	578	83			818	2640
3 Duplex End	1260	594	105			1028	2987
4 Single Family Other	1376	600	130			1273	3379
1 Duplex-ADA End	512	567	83		933	707	2802
2 Duplex-ADA End	742	578	105		1067	818	3310
3 Single Family-ADA Other	763	594	130		1200	1028	3715

**ANNUAL NATURAL GAS CONSUMPTION ITEMIZATION (Therms)**

<u>Unit Type</u>	<u>Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Other</u>	<u>Total</u>
1 Duplex End	112	115	30	0	257
2 Duplex End	133	152	33	0	318
3 Duplex End	169	174	36	0	379
4 Single Family Other	208	204	40	0	452
1 Duplex-ADA End	133	35			168
2 Duplex-ADA End	169	46			215
3 Single Family-ADA Other	208	52			260

### MONTHLY ELECTRICAL CONSUMPTION (kWh)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	211	206	204	201	198	196	196	196	196	198	205	211	202
2 Duplex End	231	225	224	220	216	213	213	213	213	216	224	232	220
3 Duplex End	263	255	253	248	244	241	240	240	241	243	254	264	249
4 Single Family Other	299	290	287	281	275	271	271	271	271	275	288	300	282
1 Duplex-ADA End	245	239	237	233	230	227	227	227	227	229	238	245	234
2 Duplex-ADA End	290	282	280	275	271	267	267	267	268	270	281	291	276
3 Single Family-ADA Other	327	318	315	309	303	299	299	299	299	303	316	328	310

### MONTHLY ELECTRICAL COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	\$22	\$22	\$22	\$22	\$21	\$21	\$21	\$21	\$21	\$21	\$22	\$22	\$22
2 Duplex End	\$24	\$24	\$24	\$23	\$23	\$23	\$23	\$23	\$23	\$23	\$24	\$24	\$23
3 Duplex End	\$27	\$26	\$26	\$26	\$25	\$25	\$25	\$25	\$25	\$25	\$26	\$27	\$26
4 Single Family Other	\$30	\$29	\$29	\$29	\$28	\$28	\$28	\$28	\$28	\$28	\$29	\$30	\$29
1 Duplex-ADA End	\$25	\$25	\$25	\$24	\$24	\$24	\$24	\$24	\$24	\$24	\$25	\$25	\$24
2 Duplex-ADA End	\$29	\$29	\$29	\$28	\$28	\$27	\$27	\$27	\$27	\$28	\$29	\$29	\$28
3 Single Family-ADA Other	\$33	\$32	\$32	\$31	\$31	\$30	\$30	\$30	\$30	\$31	\$32	\$33	\$31

### MONTHLY NATURAL GAS CONSUMPTION (Therms)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	36	28	26	21	16	13	12	12	13	16	27	37	21
2 Duplex End	44	35	32	26	20	16	15	15	16	20	33	45	26
3 Duplex End	54	42	39	31	24	18	18	18	18	23	40	55	32
4 Single Family Other	66	51	46	37	28	21	20	20	21	27	48	67	38
1 Duplex-ADA End	32	22	20	13	8	3	3	3	3	7	21	33	14
2 Duplex-ADA End	41	28	25	17	10	4	4	4	5	9	27	42	18
3 Single Family-ADA Other	50	35	30	21	12	5	4	4	5	11	32	51	22

### MONTHLY NATURAL GAS COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	\$33	\$26	\$25	\$21	\$16	\$14	\$13	\$13	\$14	\$16	\$26	\$34	\$21
2 Duplex End	\$40	\$32	\$30	\$25	\$20	\$16	\$16	\$16	\$16	\$20	\$31	\$40	\$25
3 Duplex End	\$48	\$38	\$36	\$29	\$23	\$18	\$18	\$18	\$18	\$22	\$36	\$49	\$29
4 Single Family Other	\$59	\$45	\$41	\$34	\$26	\$21	\$20	\$20	\$21	\$26	\$43	\$61	\$35
1 Duplex-ADA End	\$30	\$21	\$20	\$14	\$10	\$6	\$6	\$6	\$6	\$9	\$21	\$31	\$15
2 Duplex-ADA End	\$37	\$26	\$24	\$17	\$11	\$6	\$6	\$6	\$7	\$11	\$26	\$38	\$18
3 Single Family-ADA Other	\$45	\$32	\$28	\$21	\$13	\$7	\$6	\$6	\$7	\$12	\$30	\$45	\$21

### Heating Load Tables

Number of Bedrooms:	1	Unit Configuration:	End
Building Type:	Duplex	Number of Stories:	1
Window Type:	Sliding	Window Infiltration Rate:	0.09 Btu/hr-sf-F
Window Glazing:	Double	Window Heat Loss:	2001 Btu/hr
Window Fit:	Average	Window Infiltration:	295 Btu/hr
Window Area:	82 sf		
Storm Windows:	No		
Window U-Value:	0.61 Btu/hr-sf-F		
Door Fit:	Average	Door Infiltration Rate:	0.11 Btu/hr-sf-F
Door Area:	40 sf	Door Heat Loss:	736 Btu/hr
Storm Doors:	No	Door Infiltration:	176 Btu/hr
Door U-Value:	0.46 Btu/hr-sf-F		
Exposed Floor Area:	576 sf	Floor Heat Loss:	2074 Btu/hr
Floor U-Value:	0.09 Btu/hr-sf-F		
Exposed Ceiling Area:	662 sf	Roof Heat Loss:	795 Btu/hr
Ceiling U-Value:	0.03 Btu/hr-sf-F		
Exterior Wall Area:	464 sf	Wall Heat Loss:	1670 Btu/hr
Wall U-Value:	0.09 Btu/hr-sf-F		
System Efficiency:	80%	Total Unit Heat Loss Rate:	7747 Btu/hr
Standing Pilot?	No	Pilot Operating Hours:	8760 hrs/yr
		Pilot Consumption:	0 kBtu/yr
		Pilot Btu/hr:	500 Btu/hr
Heating Fuel:	Natural Gas	Fan Operating Hours:	174 Hours
Heating System Fan?	Yes		
Fan Size:	400 Watts		
Heating Output:	64000 Btu/hr		

Heating Degree Days	
Heating Degree Days =	2666
Design Temp. Diff.(F) =	40
Correction Factor (CD) =	0.72

Fan Energy: 70 kWh  
 Est. Heating System Consumption: 112 Therms

### Heating Load Tables

Number of Bedrooms:	2	Unit Configuration:	End
Building Type:	Duplex	Number of Stories:	1
Window Type:	Sliding	Window Infiltration Rate:	0.09 Btu/hr-sf-F
Window Glazing:	Double	Window Heat Loss:	2538 Btu/hr
Window Fit:	Average	Window Infiltration:	374 Btu/hr
Window Area:	104 sf		
Storm Windows:	No		
Window U-Value:	0.61 Btu/hr-sf-F		
Door Fit:	Average	Door Infiltration Rate:	0.11 Btu/hr-sf-F
Door Area:	40 sf	Door Heat Loss:	736 Btu/hr
Storm Doors:	No	Door Infiltration:	176 Btu/hr
Door U-Value:	0.46 Btu/hr-sf-F		
Exposed Floor Area:	728 sf	Floor Heat Loss:	2621 Btu/hr
Floor U-Value:	0.09 Btu/hr-sf-F		
Exposed Ceiling Area:	837 sf	Roof Heat Loss:	1005 Btu/hr
Ceiling U-Value:	0.03 Btu/hr-sf-F		
Exterior Wall Area:	496 sf	Wall Heat Loss:	1786 Btu/hr
Wall U-Value:	0.09 Btu/hr-sf-F		
System Efficiency:	80%	Total Unit Heat Loss Rate:	9236 Btu/hr
Standing Pilot?	No	Pilot Operating Hours:	8760 hrs/yr
		Pilot Consumption:	0 kBtu/yr
		Pilot Btu/hr:	500 Btu/hr
Heating Fuel:	Natural Gas	Fan Operating Hours:	208 Hours
Heating System Fan?	Yes		
Fan Size:	400 Watts		
Heating Output:	64000 Btu/hr		

Heating Degree Days	
Heating Degree Days =	2666
Design Temp. Diff.(F) =	40
Correction Factor (CD) =	0.72

Fan Energy: **83** kWh  
 Est. Heating System Consumption: **133** Therms

### Heating Load Tables

Number of Bedrooms:	3	Unit Configuration:	End
Building Type:	Duplex	Number of Stories:	1
Window Type:	Sliding	Window Infiltration Rate:	0.09 Btu/hr-sf-F
Window Glazing:	Double	Window Heat Loss:	3440 Btu/hr
Window Fit:	Average	Window Infiltration:	508 Btu/hr
Window Area:	141 sf		
Storm Windows:	No		
Window U-Value:	0.61 Btu/hr-sf-F		
Door Fit:	Average	Door Infiltration Rate:	0.11 Btu/hr-sf-F
Door Area:	40 sf	Door Heat Loss:	736 Btu/hr
Storm Doors:	No	Door Infiltration:	176 Btu/hr
Door U-Value:	0.46 Btu/hr-sf-F		
Exposed Floor Area:	952 sf	Floor Heat Loss:	3427 Btu/hr
Floor U-Value:	0.09 Btu/hr-sf-F		
Exposed Ceiling Area:	1095 sf	Roof Heat Loss:	1314 Btu/hr
Ceiling U-Value:	0.03 Btu/hr-sf-F		
Exterior Wall Area:	587 sf	Wall Heat Loss	2113 Btu/hr
Wall U-Value:	0.09 Btu/hr-sf-F		
System Efficiency:	80%	Total Unit Heat Loss Rate:	11714 Btu/hr
Standing Pilot?	No	Pilot Operating Hours:	8760 hrs/yr
		Pilot Consumption:	0 kBtu/yr
		Pilot Btu/hr:	500 Btu/hr
Heating Fuel:	Natural Gas	Fan Operating Hours:	263 Hours
Heating System Fan?	Yes		
Fan Size:	400 Watts		
Heating Output:	64000 Btu/hr		

Heating Degree Days	
Heating Degree Days =	2666
Design Temp. Diff.(F) =	40
Correction Factor (CD) =	0.72

Fan Energy: **105** kWh  
 Est. Heating System Consumption: **169** Therms



### Heating Load Tables

Number of Bedrooms:	4	Unit Configuration:	Other
Building Type:	Single Family	Number of Stories:	1
Window Type:	Sliding	Window Infiltration Rate:	0.09 Btu/hr-sf-F
Window Glazing:	Double	Window Heat Loss:	3977 Btu/hr
Window Fit:	Average	Window Infiltration:	587 Btu/hr
Window Area:	163 sf		
Storm Windows:	No		
Window U-Value:	0.61 Btu/hr-sf-F		
Door Fit:	Average	Door Infiltration Rate:	0.11 Btu/hr-sf-F
Door Area:	40 sf	Door Heat Loss:	736 Btu/hr
Storm Doors:	No	Door Infiltration:	176 Btu/hr
Door U-Value:	0.46 Btu/hr-sf-F		
Exposed Floor Area:	1148 sf	Floor Heat Loss:	4133 Btu/hr
Floor U-Value:	0.09 Btu/hr-sf-F		
Exposed Ceiling Area:	1320 sf	Roof Heat Loss:	1584 Btu/hr
Ceiling U-Value:	0.03 Btu/hr-sf-F		
Exterior Wall Area:	901 sf	Wall Heat Loss	3244 Btu/hr
Wall U-Value:	0.09 Btu/hr-sf-F		
System Efficiency:	80%	Total Unit Heat Loss Rate:	14437 Btu/hr
Standing Pilot?	No	Pilot Operating Hours:	8760 hrs/yr
		Pilot Consumption:	0 kBtu/yr
		Pilot Btu/hr:	500 Btu/hr
Heating Fuel:	Natural Gas	Fan Operating Hours:	325 Hours
Heating System Fan?	Yes		
Fan Size:	400 Watts		
Heating Output:	64000 Btu/hr		

Heating Degree Days	
Heating Degree Days =	2666
Design Temp. Diff.(F) =	40
Correction Factor (CD) =	0.72

Fan Energy: **130** kWh  
 Est. Heating System Consumption: **208** Therms

### Heating Load Tables

Number of Bedrooms:	1 ADA	Unit Configuration:	End
Building Type:	Duplex	Number of Stories:	1
Window Type:	Sliding	Window Infiltration Rate:	0.09 Btu/hr-sf-F
Window Glazing:	Double	Window Heat Loss:	2538 Btu/hr
Window Fit:	Average	Window Infiltration:	374 Btu/hr
Window Area:	104 sf		
Storm Windows:	No		
Window U-Value:	0.61 Btu/hr-sf-F		
Door Fit:	Average	Door Infiltration Rate:	0.11 Btu/hr-sf-F
Door Area:	40 sf	Door Heat Loss:	736 Btu/hr
Storm Doors:	No	Door Infiltration:	176 Btu/hr
Door U-Value:	0.46 Btu/hr-sf-F		
Exposed Floor Area:	728 sf	Floor Heat Loss:	2621 Btu/hr
Floor U-Value:	0.09 Btu/hr-sf-F		
Exposed Ceiling Area:	837 sf	Roof Heat Loss:	1005 Btu/hr
Ceiling U-Value:	0.03 Btu/hr-sf-F		
Exterior Wall Area:	496 sf	Wall Heat Loss	1786 Btu/hr
Wall U-Value:	0.09 Btu/hr-sf-F		
System Efficiency:	80%	Total Unit Heat Loss Rate:	9236 Btu/hr
Standing Pilot?	No	Pilot Operating Hours:	8760 hrs/yr
		Pilot Consumption:	0 kBtu/yr
		Pilot Btu/hr:	500 Btu/hr
Heating Fuel:	Natural Gas	Fan Operating Hours:	208 Hours
Heating System Fan?	Yes		
Fan Size:	400 Watts		
Heating Output:	64000 Btu/hr		

Heating Degree Days	
Heating Degree Days =	2666
Design Temp. Diff.(F) =	40
Correction Factor (CD) =	0.72

Fan Energy: **83** kWh  
 Est. Heating System Consumption: **133** Therms

### Heating Load Tables

Number of Bedrooms:	2 ADA	Unit Configuration:	End
Building Type:	Duplex	Number of Stories:	1
Window Type:	Sliding	Window Infiltration Rate:	0.09 Btu/hr-sf-F
Window Glazing:	Double	Window Heat Loss:	3440 Btu/hr
Window Fit:	Average	Window Infiltration:	508 Btu/hr
Window Area:	141 sf		
Storm Windows:	No		
Window U-Value:	0.61 Btu/hr-sf-F		
Door Fit:	Average	Door Infiltration Rate:	0.11 Btu/hr-sf-F
Door Area:	40 sf	Door Heat Loss:	736 Btu/hr
Storm Doors:	No	Door Infiltration:	176 Btu/hr
Door U-Value:	0.46 Btu/hr-sf-F		
Exposed Floor Area:	952 sf	Floor Heat Loss:	3427 Btu/hr
Floor U-Value:	0.09 Btu/hr-sf-F		
Exposed Ceiling Area:	1095 sf	Roof Heat Loss:	1314 Btu/hr
Ceiling U-Value:	0.03 Btu/hr-sf-F		
Exterior Wall Area:	587 sf	Wall Heat Loss	2113 Btu/hr
Wall U-Value:	0.09 Btu/hr-sf-F		
System Efficiency:	80%	Total Unit Heat Loss Rate:	11714 Btu/hr
Standing Pilot?	No	Pilot Operating Hours:	8760 hrs/yr
		Pilot Consumption:	0 kBtu/yr
		Pilot Btu/hr:	500 Btu/hr
Heating Fuel:	Natural Gas	Fan Operating Hours:	263 Hours
Heating System Fan?	Yes		
Fan Size:	400 Watts		
Heating Output:	64000 Btu/hr		

Heating Degree Days	
Heating Degree Days =	2666
Design Temp. Diff.(F) =	40
Correction Factor (CD) =	0.72

Fan Energy: **105** kWh  
 Est. Heating System Consumption: **169** Therms

### Heating Load Tables

Number of Bedrooms:	3 ADA	Unit Configuration:	Other
Building Type:	Single Family	Number of Stories:	1
Window Type:	Sliding	Window Infiltration Rate:	0.09 Btu/hr-sf-F
Window Glazing:	Double	Window Heat Loss:	3977 Btu/hr
Window Fit:	Average	Window Infiltration:	587 Btu/hr
Window Area:	163 sf		
Storm Windows:	No		
Window U-Value:	0.61 Btu/hr-sf-F		
Door Fit:	Average	Door Infiltration Rate:	0.11 Btu/hr-sf-F
Door Area:	40 sf	Door Heat Loss:	736 Btu/hr
Storm Doors:	No	Door Infiltration:	176 Btu/hr
Door U-Value:	0.46 Btu/hr-sf-F		
Exposed Floor Area:	1148 sf	Floor Heat Loss:	4133 Btu/hr
Floor U-Value:	0.09 Btu/hr-sf-F		
Exposed Ceiling Area:	1320 sf	Roof Heat Loss:	1584 Btu/hr
Ceiling U-Value:	0.03 Btu/hr-sf-F		
Exterior Wall Area:	901 sf	Wall Heat Loss	3244 Btu/hr
Wall U-Value:	0.09 Btu/hr-sf-F		
System Efficiency:	80%	Total Unit Heat Loss Rate:	14437 Btu/hr
Standing Pilot?	No	Pilot Operating Hours:	8760 hrs/yr
		Pilot Consumption:	0 kBtu/yr
		Pilot Btu/hr:	500 Btu/hr
Heating Fuel:	Natural Gas	Fan Operating Hours:	325 Hours
Heating System Fan?	Yes		
Fan Size:	400 Watts		
Heating Output:	64000 Btu/hr		

Heating Degree Days	
Heating Degree Days =	2666
Design Temp. Diff.(F) =	40
Correction Factor (CD) =	0.72

Fan Energy: **130** kWh  
 Est. Heating System Consumption: **208** Therms

**CA 43-4, GRIDLEY**

**ANNUAL ELECTRICAL CONSUMPTION ITEMIZATION (kWh)**

<u>Unit Type</u>	<u>Lights</u>	<u>Refrigerator</u>	<u>Fans/Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Misc</u>	<u>Total</u>
1 Duplex End	1074	567	88			707	2436
2 Duplex End	1161	578	105			818	2662
3 Single Family Other	1260	594	120			1028	3002
4 Single Family Other	1376	600	111			1273	3360

**ANNUAL NATURAL GAS CONSUMPTION ITEMIZATION (Therms)**

<u>Unit Type</u>	<u>Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Other</u>	<u>Total</u>
1 Duplex End	119	115	30	0	264
2 Duplex End	142	152	33	0	327
3 Single Family Other	180	174	36	0	390
4 Single Family Other	222	204	40	0	466

### MONTHLY ELECTRICAL CONSUMPTION (kWh)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	215	208	207	203	199	196	196	196	196	198	208	215	203
2 Duplex End	236	228	226	221	217	213	213	213	214	216	227	237	222
3 Single Family Other	266	258	255	250	245	241	240	240	241	244	256	267	250
4 Single Family Other	295	287	285	279	275	271	271	271	271	274	286	296	280

### MONTHLY ELECTRICAL COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	\$40	\$39	\$39	\$39	\$38	\$38	\$38	\$38	\$38	\$38	\$39	\$40	\$39
2 Duplex End	\$43	\$42	\$42	\$41	\$41	\$40	\$40	\$40	\$40	\$41	\$42	\$43	\$41
3 Single Family Other	\$47	\$46	\$46	\$45	\$44	\$44	\$44	\$44	\$44	\$44	\$46	\$47	\$45
4 Single Family Other	\$51	\$50	\$50	\$49	\$49	\$48	\$48	\$48	\$48	\$48	\$50	\$51	\$49

### MONTHLY NATURAL GAS CONSUMPTION (Therms)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	38	29	27	21	16	13	12	12	13	16	28	39	22
2 Duplex End	46	36	33	26	21	16	15	15	16	20	35	47	27
3 Single Family Other	57	44	40	32	24	18	18	18	18	23	42	58	33
4 Single Family Other	69	53	48	38	28	21	20	20	21	27	50	70	39

### MONTHLY NATURAL GAS COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	\$35	\$27	\$26	\$21	\$16	\$14	\$13	\$13	\$14	\$16	\$26	\$36	\$21
2 Duplex End	\$41	\$33	\$31	\$25	\$21	\$16	\$16	\$16	\$16	\$20	\$32	\$42	\$26
3 Single Family Other	\$50	\$40	\$36	\$30	\$23	\$18	\$18	\$18	\$18	\$22	\$38	\$51	\$30
4 Single Family Other	\$63	\$47	\$43	\$35	\$26	\$21	\$20	\$20	\$21	\$26	\$45	\$64	\$36



**CA 43-10, WINSTON GARDENS**

**ANNUAL ELECTRICAL CONSUMPTION ITEMIZATION (kWh)**

<u>Unit Type</u>	<u>Lights</u>	<u>Refrigerator</u>	<u>Fans/Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Misc</u>	<u>Total</u>
1 Duplex End	1197	567	3047			707	5518
2 Duplex End	1241	578	3890			818	6527

**ANNUAL NATURAL GAS CONSUMPTION ITEMIZATION (Therms)**

<u>Unit Type</u>	<u>Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Other</u>	<u>Total</u>
1 Duplex End		115	30	0	145
2 Duplex End		152	33	0	185

### MONTHLY ELECTRICAL CONSUMPTION (kWh)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	869	648	589	444	317	217	206	206	218	302	616	886	460
2 Duplex End	1066	784	709	523	361	234	220	220	236	342	744	1088	544

### MONTHLY ELECTRICAL COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	\$81	\$61	\$56	\$43	\$32	\$23	\$22	\$22	\$23	\$30	\$58	\$82	\$44
2 Duplex End	\$100	\$73	\$66	\$50	\$36	\$24	\$23	\$23	\$25	\$34	\$70	\$102	\$52

### MONTHLY NATURAL GAS CONSUMPTION (Therms)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	12	12	12	12	12	12	12	12	12	12	12	12	12
2 Duplex End	15	15	15	15	15	15	15	15	15	15	15	15	15

### MONTHLY NATURAL GAS COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
1 Duplex End	\$13	\$13	\$13	\$13	\$13	\$13	\$13	\$13	\$13	\$13	\$13	\$13	\$13
2 Duplex End	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16

**CA 43-13, RHODES TERRACE AND SHELTON OAKS**

### ANNUAL ELECTRICAL CONSUMPTION ITEMIZATION (kWh)

<u>Unit Type</u>	<u>Lights</u>	<u>Refrigerator</u>	<u>Fans/Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Misc</u>	<u>Total</u>
2 Duplex End	983	578	125			818	2504
3 Duplex End	1180	594	155			1028	2957

### ANNUAL NATURAL GAS CONSUMPTION ITEMIZATION (Therms)

<u>Unit Type</u>	<u>Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Other</u>	<u>Total</u>
2 Duplex End	95	152	33	0	280
3 Duplex End	116	174	36	0	326

### MONTHLY ELECTRICAL CONSUMPTION (kWh)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	225	216	214	208	203	199	198	198	199	202	215	226	209
3 Duplex End	267	256	253	246	239	234	234	234	234	238	254	268	246

### MONTHLY ELECTRICAL COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	\$24	\$23	\$23	\$22	\$22	\$21	\$21	\$21	\$21	\$22	\$23	\$24	\$22
3 Duplex End	\$27	\$26	\$26	\$26	\$25	\$24	\$24	\$24	\$24	\$25	\$26	\$27	\$26

### MONTHLY NATURAL GAS CONSUMPTION (Therms)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	36	29	27	23	19	16	15	15	16	18	28	37	23
3 Duplex End	43	34	32	27	22	18	18	18	18	21	33	43	27

### MONTHLY NATURAL GAS COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
2 Duplex End	\$33	\$27	\$26	\$22	\$19	\$16	\$16	\$16	\$16	\$18	\$26	\$34	\$22
3 Duplex End	\$39	\$31	\$30	\$26	\$21	\$18	\$18	\$18	\$18	\$21	\$31	\$39	\$26



**CA 43-14, OROVILLE**

### ANNUAL ELECTRICAL CONSUMPTION ITEMIZATION (kWh)

<u>Unit Type</u>	<u>Lights</u>	<u>Refrigerator</u>	<u>Fans/Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Misc</u>	<u>Total</u>
3 Duplex End	983	594	197			1028	2802

### ANNUAL NATURAL GAS CONSUMPTION ITEMIZATION (Therms)

<u>Unit Type</u>	<u>Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Other</u>	<u>Total</u>
3 Duplex End	147	174	36	0	357

### MONTHLY ELECTRICAL CONSUMPTION (kWh)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
3 Duplex End	260	246	242	232	224	218	217	217	218	223	244	261	234

### MONTHLY ELECTRICAL COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
3 Duplex End	\$27	\$26	\$25	\$24	\$24	\$23	\$23	\$23	\$23	\$23	\$25	\$27	\$24

### MONTHLY NATURAL GAS CONSUMPTION (Therms)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
3 Duplex End	49	39	36	29	23	18	18	18	18	22	37	50	30

### MONTHLY NATURAL GAS COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
3 Duplex End	\$44	\$36	\$33	\$27	\$22	\$18	\$18	\$18	\$18	\$21	\$34	\$45	\$28

**CA 43-15, OROVILLE**

### ANNUAL ELECTRICAL CONSUMPTION ITEMIZATION (kWh)

<u>Unit Type</u>	<u>Lights</u>	<u>Refrigerator</u>	<u>Fans/Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Misc</u>	<u>Total</u>
3 Single Family Other	1471	594	119			1028	3212

### ANNUAL NATURAL GAS CONSUMPTION ITEMIZATION (Therms)

<u>Unit Type</u>	<u>Heat</u>	<u>DHW</u>	<u>Cooking</u>	<u>Other</u>	<u>Total</u>
3 Single Family Other	119	181	36	0	336

**MONTHLY ELECTRICAL CONSUMPTION (kWh)**

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
3 Single Family Other	284	275	273	267	262	258	258	258	258	261	274	284	268

**MONTHLY ELECTRICAL COST**

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
3 Single Family Other	\$29	\$28	\$28	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$28	\$29	\$27

### MONTHLY NATURAL GAS CONSUMPTION (Therms)

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
3 Single Family Other	44	35	33	27	22	19	18	18	19	22	34	45	28

### MONTHLY NATURAL GAS COST

Unit Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
3 Single Family Other	\$40	\$32	\$31	\$26	\$21	\$19	\$18	\$18	\$19	\$21	\$31	\$40	\$26



**DHW Calculations**

Number of Bedrooms:	3 Bedrooms
Number of Occupants:	3.5 Occupants
Consumption Rate:	9.1 Gallons/Occupant/Day
Specific Heat of Water:	0.999 Btu/lb/F
Specific Volume of Water:	62.32 lb/cf
Volume Conversion:	7.48055 gal/cf
Heuristic Exponent:	0.68
Service Water Inlet Temperature:	55 F
Hot Water Supply Temperature:	120 F
Delta T:	65 F
Calender Schedule:	365 days/yr
Daily Schedule:	24 hrs/day
Total Operating Hours:	8,760 hrs/yr
Air Temperature At Tank:	72 F
Tank Size:	40 gal
Tank Insulation (R-Value):	3 F-sf-hr/Btu
R-Value of Shell Plus Air:	0.62 F-sf-hr/Btu
System Efficiency:	70%
Standing Pilot?	Yes
Pilot Consumption Rate:	400 Btu/hr
Fuel Type:	Natural gas
Pilot Consumption:	3,504 kBtu/yr
Total Energy Lost:	2,884 kBtu/yr
Consumption Energy Required:	6,289 kBtu/yr
Primary Fuel Required:	181 Therms/Year

## DHW Calculations

Number of Bedrooms:	3 Bedrooms
Number of Occupants:	3.5 Occupants
Consumption Rate:	9.1 Gallons/Occupant/Day
Specific Heat of Water:	0.999 Btu/lb/F
Specific Volume of Water:	62.32 lb/cf
Volume Conversion:	7.48055 gal/cf
Heuristic Exponent:	0.68
Service Water Inlet Temperature:	55 F
Hot Water Supply Temperature:	120 F
Delta T:	65 F
Calendar Schedule:	365 days/yr
Daily Schedule:	24 hrs/day
Total Operating Hours:	8,760 hrs/yr
Air Temperature At Tank:	72 F
Tank Size:	40 gal
Tank Insulation (R-Value):	3 F-sf-hr/Btu
R-Value of Shell Plus Air:	0.62 F-sf-hr/Btu
System Efficiency:	70%
Standing Pilot?	Yes
Pilot Consumption Rate:	400 Btu/hr
Fuel Type:	Natural gas
Pilot Consumption:	3,504 kBtu/yr
Total Energy Lost:	2,884 kBtu/yr
Consumption Energy Required:	6,289 kBtu/yr
Primary Fuel Required:	181 Therms/Year

## **WATER/SEWER TABLES**

### **Water/Sewer Tables**

The Butte County Housing Authority is in the process of metering the units for water and sewer consumption. When this is completed, the following tables may be used to establish a water/sewer allowance for those metered units.

### Gross Water Consumption:

Type	Occ	Toil	Shwr	Dish	Clths	Cook	Hand	Gal/Day	Gal/Yr	Gal/Mo.
0 Bedroom	1.0	18	20	1.5	8	0.2	0.1	47	17228	1436
1 Bedroom	1.1	19	22	1.7	9	0.2	0.1	52	18951	1579
2 Bedroom	2.5	44	50	3.8	20	0.4	0.1	118	43070	3589
3 Bedroom	3.5	61	70	5.3	28	0.5	0.2	165	60298	5025
4 Bedroom	5.0	88	100	7.5	40	0.8	0.3	236	86140	7178
5 Bedroom	6.0	105	120	9.0	48	0.9	0.3	283	103368	8614
6 Bedroom	8.0	140	160	12.0	64	1.2	0.4	378	137824	11485

#### Gal Each % Hot Water

Toilet Flush:	3.5	0%	5	Flushes per person per day
Shower:	20	50%	1	Showers per person per day
Dishload:	3	25%	0.5	Dishloads per person per day
Laundry load:	40	50%	0.2	Clothesloads per person per day
Meal:	0.05	0%	3	Meals per person per day
Handwashing:	0.05	50%	10	Handwashings per person per day

### Water & Sewer Tables

Bedroom Size	Consumption per Month (CCF)	Allowance per Month
0	1.9	\$82.12
1	2.1	\$82.12
2	4.8	\$82.12
3	6.7	\$82.12
4	9.6	\$82.12
5	11.5	\$82.12

#### Water & Sewage Rate Schedule

Base Charge:		82.12
Energy Charge:		
First	70 CCF	\$0.00000
10070 Next	10,000 CCF	\$0.82000
20070 Next	10,000 CCF	\$0.82000
30000 Next	10,000 CCF	\$0.82000
Cost Adjustment:		0
Tax:		0%

### Gross Water Consumption:

Type	Occ	Toil	Shwr	Dish	Cltbs	Cook	Hand	Gal/Day	Gal/Yr	Gal/Mo.
0 Bedroom	1.0	18	20	1.5	8	0.2	0.1	47	17228	1436
1 Bedroom	1.1	19	22	1.7	9	0.2	0.1	52	18951	1579
2 Bedroom	2.5	44	50	3.8	20	0.4	0.1	118	43070	3589
3 Bedroom	3.5	61	70	5.3	28	0.5	0.2	165	60298	5025
4 Bedroom	5.0	88	100	7.5	40	0.8	0.3	236	86140	7178
5 Bedroom	6.0	105	120	9.0	48	0.9	0.3	283	103368	8614
6 Bedroom	8.0	140	160	12.0	64	1.2	0.4	378	137824	11485

#### Gal Each % Hot Water

Toilet Flush:	3.5	0%	5	Flushes per person per day
Shower:	20	50%	1	Showers per person per day
Dishload:	3	25%	0.5	Dishloads per person per day
Laundry load:	40	50%	0.2	Clothesloads per person per day
Meal:	0.05	0%	3	Meals per person per day
Handwashing:	0.05	50%	10	Handwashings per person per day

### Water & Sewer Tables

Bedroom Size	Consumption per Month (CCF)	Allowance per Month
0	1.9	\$39.64
1	2.1	\$39.83
2	4.8	\$42.33
3	6.7	\$44.10
4	9.6	\$46.80
5	11.5	\$48.66

#### Water & Sewage Rate Schedule

Base Charge:		36.07
Energy Charge:		
First	10 CCF	\$0.88520
31 Next	21 CCF	\$0.94850
62 Next	31 CCF	\$1.10117
152 Next	100 CCF	\$1.10117
Cost Adjustment:		0
Tax:		5%

### Gross Water Consumption:

Type	Occ	Toil	Shwr	Dish	Clths	Cook	Hand	Gal/Day	Gal/Yr	Gal/Mo.
0 Bedroom	1.0	18	20	1.5	8	0.2	0.1	47	17228	1436
1 Bedroom	1.1	19	22	1.7	9	0.2	0.1	52	18951	1579
2 Bedroom	2.5	44	50	3.8	20	0.4	0.1	118	43070	3589
3 Bedroom	3.5	61	70	5.3	28	0.5	0.2	165	60298	5025
4 Bedroom	5.0	88	100	7.5	40	0.8	0.3	236	86140	7178
5 Bedroom	6.0	105	120	9.0	48	0.9	0.3	283	103368	8614
6 Bedroom	8.0	140	160	12.0	64	1.2	0.4	378	137824	11485

#### Gal Each % Hot Water

Toilet Flush:	3.5	0%	5	Flushes per person per day
Shower:	20	50%	1	Showers per person per day
Dishload:	3	25%	0.5	Dishloads per person per day
Laundry load:	40	50%	0.2	Clothesloads per person per day
Meal:	0.05	0%	3	Meals per person per day
Handwashing:	0.05	50%	10	Handwashings per person per day

### Water & Sewer Tables

Bedroom Size	Consumption per Month (Gallons)	Allowance per Month
0	1435.7	\$59.77
1	1579.2	\$59.89
2	3589.2	\$61.64
3	5024.8	\$62.89
4	7178.3	\$64.77
5	8614	\$66.01

#### Water & Sewage Rate Schedule

Base Charge:	58.52
Energy Charge:	
First	2,000 Gallons \$0.00087
12000 Next	10,000 Gallons \$0.00087
22000 Next	10,000 Gallons \$0.00087
30000 Next	10,000 Gallons \$0.00087
Cost Adjustment:	0
Tax:	0%

### Gross Water Consumption:

Type	Occ	Toil	Shwr	Dish	Clths	Cook	Hand	Gal/Day	Gal/Yr	Gal/Mo.
0 Bedroom	1.0	18	20	1.5	8	0.2	0.1	47	17228	1436
1 Bedroom	1.1	19	22	1.7	9	0.2	0.1	52	18951	1579
2 Bedroom	2.5	44	50	3.8	20	0.4	0.1	118	43070	3589
3 Bedroom	3.5	61	70	5.3	28	0.5	0.2	165	60298	5025
4 Bedroom	5.0	88	100	7.5	40	0.8	0.3	236	86140	7178
5 Bedroom	6.0	105	120	9.0	48	0.9	0.3	283	103368	8614
6 Bedroom	8.0	140	160	12.0	64	1.2	0.4	378	137824	11485

#### Gal Each % Hot Water

Toilet Flush:	3.5	0%	5	Flushes per person per day
Shower:	20	50%	1	Showers per person per day
Dishload:	3	25%	0.5	Dishloads per person per day
Laundry load:	40	50%	0.2	Clothesloads per person per day
Meal:	0.05	0%	3	Meals per person per day
Handwashing:	0.05	50%	10	Handwashings per person per day

### Water & Sewer Tables

Bedroom Size	Consumption per Month (CCF)	Allowance per Month
0	1.9	\$56.77
1	2.1	\$57.10
2	4.8	\$61.60
3	6.7	\$64.76
4	9.6	\$69.79
5	11.5	\$73.19

#### Water & Sewage Rate Schedule

Base Charge:		53.6
Energy Charge:		
First	8 CCF	\$1.66590
148 Next	140 CCF	\$1.78860
368 Next	220 CCF	\$2.10440
460 Next	100 CCF	\$2.10440
Cost Adjustment:		0
Tax:		0%



### Gross Water Consumption:

Type	Occ	Toil	Shwr	Dish	Cltbs	Cook	Hand	Gal/Day	Gal/Yr	Gal/Mo.
0 Bedroom	1.0	18	20	1.5	8	0.2	0.1	47	17228	1436
1 Bedroom	1.1	19	22	1.7	9	0.2	0.1	52	18951	1579
2 Bedroom	2.5	44	50	3.8	20	0.4	0.1	118	43070	3589
3 Bedroom	3.5	61	70	5.3	28	0.5	0.2	165	60298	5025
4 Bedroom	5.0	88	100	7.5	40	0.8	0.3	236	86140	7178
5 Bedroom	6.0	105	120	9.0	48	0.9	0.3	283	103368	8614
6 Bedroom	8.0	140	160	12.0	64	1.2	0.4	378	137824	11485

#### Gal Each % Hot Water

Toilet Flush:	3.5	0%	5	Flushes per person per day
Shower:	20	50%	1	Showers per person per day
Dishload:	3	25%	0.5	Dishloads per person per day
Laundry load:	40	50%	0.2	Clothesloads per person per day
Meal:	0.05	0%	3	Meals per person per day
Handwashing:	0.05	50%	10	Handwashings per person per day

### Water & Sewer Tables

Bedroom Size	Consumption per Month (CCF)	Allowance per Month
0	1.9	\$56.77
1	2.1	\$57.10
2	4.8	\$61.60
3	6.7	\$64.76
4	9.6	\$69.79
5	11.5	\$73.19

#### Water & Sewage Rate Schedule

Base Charge:		53.6
Energy Charge:		
First	8 CCF	\$1.66590
148 Next	140 CCF	\$1.78860
368 Next	220 CCF	\$2.10440
460 Next	100 CCF	\$2.10440
Cost Adjustment:		0
Tax:		0%

### Gross Water Consumption:

Type	Occ	Toil	Shwr	Dish	Ciths	Cook	Hand	Gal/Day	Gal/Yr	Gal/Mo.
0 Bedroom	1.0	18	20	1.5	8	0.2	0.1	47	17228	1436
1 Bedroom	1.1	19	22	1.7	9	0.2	0.1	52	18951	1579
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4 Bedroom	5.0	88	100	7.5	40	0.8	0.3	236	86140	7178
5 Bedroom	6.0	105	120	9.0	48	0.9	0.3	283	103368	8614
6 Bedroom	8.0	140	160	12.0	64	1.2	0.4	378	137824	11485

#### Gal Each % Hot Water

Toilet Flush:	3.5	0%	5	Flushes per person per day
Shower:	20	50%	1	Showers per person per day
Dishload:	3	25%	0.5	Dishloads per person per day
Laundry load:	40	50%	0.2	Clothesloads per person per day
Meal:	0.05	0%	3	Meals per person per day
Handwashing:	0.05	50%	10	Handwashings per person per day

### Water & Sewer Tables

Bedroom Size	Consumption per Month (CCF)	Allowance per Month
0	1.9	\$57.60
1	2.1	\$57.74
2	4.8	\$59.74
3	6.7	\$61.15
4	9.6	\$63.29
5	11.5	\$64.70

#### Water & Sewage Rate Schedule

Base Charge:		56.19
Energy Charge:		
First	8 CCF	\$0.74000
148 Next	140 CCF	\$0.74000
368 Next	220 CCF	\$0.74000
460 Next	100 CCF	\$0.74000
Cost Adjustment:		0
Tax:		0%

## **CURRENT UTILITY RATE SCHEDULES**



**ELECTRIC SCHEDULE EL-1**  
**RESIDENTIAL CARE PROGRAM SERVICE**

Sheet 1

**APPLICABILITY:** This schedule is applicable to single-phase and polyphase residential service in single-family dwellings and in flats and apartments separately metered by PG&E (see Special Condition 3) and to all single-phase and polyphase farm service on the premises operated by the person whose residence is supplied through the same meter where the applicant qualifies for California Alternate Rates for Energy (CARE) under the eligibility and certification criteria set forth in Rule 19.1, 19.2, or 19.3.\*

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule EL-1 charges. See Special Conditions 11 and 12 of this rate schedule for exemptions to standby charges.

**TERRITORY:** The entire territory served.

**RATES:** Total bundled service charges are calculated using the total rates below. Bundled service customers are billed the greater of the total minimum charge or the otherwise applicable total charge derived from total energy rates.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

**TOTAL RATES**

Total Energy Rates (\$ per kWh)			
Baseline Usage	\$0.08316		(D)
101% to 130% of Baseline	\$0.09563	(N)	(N)
Over 130% of Baseline	\$0.12474	(N)	(N)
Total Minimum Charge Rate (\$ per meter per day)	\$0.11828		

\* The Rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and website at <http://www.pge.com/tariffs>

(Continued)



**ELECTRIC SCHEDULE EL-1**  
**RESIDENTIAL CARE PROGRAM SERVICE**

Sheet 2

RATES:  
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Where the minimum charge applies with no usage, generation is calculated residually based on the total minimum charge less the sum of: Distribution, Transmission, Reliability Services, Public Purpose Programs, Nuclear Decommissioning and New System Generation Charges<sup>1</sup>. For minimum bills with usage, generation is calculated residually based on the total charge less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges<sup>1</sup>, Competition Transition Charges (CTC), and Energy Cost Recovery Amount. (T)

**UNBUNDLING OF TOTAL RATES**

Energy Rates by Component (\$ per kWh)

**Generation:**

Baseline Usage	\$0.05188	(R)
101% - 130% of Baseline	\$0.06435	(R)
Over 130% of Baseline	\$0.09346	(R)

**Distribution\*\*\*:**

Baseline Usage	(\$0.00202)	(I)
101% - 130% of Baseline	(\$0.00202)	(I)
Over 130% of Baseline	(\$0.00202)	(I)

<b>Transmission*</b> (all usage)	\$0.01314	
<b>Transmission Rate Adjustments*</b> (all usage)	\$0.00094	(I)
<b>Reliability Services*</b> (all usage)	(\$0.00012)	
<b>Public Purpose Programs</b> (all usage)	\$0.00700	
<b>Nuclear Decommissioning</b> (all usage)	\$0.00055	
<b>Competition Transition Charges</b> (all usage)	\$0.00555	
<b>Energy Cost Recovery Amount</b> (all usage)	\$0.00504	
<b>New System Generation Charge</b> (all usage)***	\$0.00120	

**\$ per meter  
per day**

Minimum Charge Rate by Component

**\$ per kWh**

<b>Distribution***</b>	\$0.09232	-
<b>Transmission*</b>	-	\$0.01408 (I)
<b>Reliability Services*</b>	\$0.00000	-
<b>Public Purpose Programs</b>	\$0.00304	-
<b>Nuclear Decommissioning</b>	\$0.00024	-
<b>Competition Transition Charges</b>	-	\$0.00555
<b>Energy Cost Recovery Amount</b>	-	\$0.00504
<b>New System Generation Charge***</b>	-	\$0.00120
<b>Generation **</b>	Determined Residually	

\* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

\*\* Total rates less the sum of the individual non-generation components.

\*\*\* Distribution and New System Generation Charges are combined for presentation on customer bills.

<sup>1</sup> Per Decision 11-12-031, New System Generation Charges are effective 1/1/2012.

(Continued)



**ELECTRIC SCHEDULE EL-1**  
**RESIDENTIAL CARE PROGRAM SERVICE**

Sheet 3

**SPECIAL  
 CONDITIONS:**

1. **BASELINE RATES:** PG&E may require the customer to complete and file with it a Declaration of Eligibility for Baseline Quantities for Residential Rates.
2. **BASELINE (TIER 1):** The following quantities of electricity are to be billed at the rate for baseline use:

Baseline Territory*	BASELINE QUANTITIES (kWh PER DAY)							
	Code B - Basic Quantities				Code H - All-Electric Quantities			
	Summer		Winter		Summer		Winter	
	Tier I		Tier I		Tier I		Tier I	
P	15.3	(C)	12.7	(C)	18.0	(C)	33.9	(C)
Q	7.5		11.7		9.1		19.3	
R	17.1		11.7		20.9		30.2	
S	15.3		12.0		18.0		28.6	
T	7.5		9.1		9.1		16.8	
V	12.0		13.6		19.4		33.4	
W	18.5		10.9		23.5		22.8	
X	11.0		11.7		10.3		19.3	
Y	11.7		13.2		14.1		30.7	
Z	7.9	(C)	10.6	(C)	11.2	(C)	22.5	(C)

3. **ANNUAL CONTRACT:** For customers who use service for only part of the year, this schedule is applicable only on an annual contract.
4. **ALL-ELECTRIC QUANTITIES (Code H):** All-electric quantities are applicable to service to customers with permanently installed electric heating as the primary heat source. All-electric quantities are also applicable to service to customers of record as of November 15, 1984, to whom the former Code W (Basic plus Water Heating) lifeline allowance was applicable on May 15, 1984, and who thereafter maintain continuous service at the same location under this schedule.

If more than one electric meter serves a residential dwelling unit, the all-electric quantities, if applicable, will be allocated only to the primary meter.

\* The applicable baseline territory is described in Part A of the Preliminary Statement.

(Continued)



**ELECTRIC SCHEDULE EL-1**  
**RESIDENTIAL CARE PROGRAM SERVICE**

Sheet 4

SPECIAL  
 CONDITIONS:  
 (Cont'd.)

5. **ADDITIONAL METERS:** If a residential dwelling unit is served by more than one electric meter, the customer must designate which meter is the primary meter and which is (are) the additional meter(s). Only the basic baseline quantities will be applicable to the additional meter(s).
6. **SEASONAL CHANGES:** The summer season is May 1 through October 31 and the winter season is November 1 through April 30. Bills that include multiplying the applicable daily baseline quantity for each season by the number of days in each season for the billing period.
7. **STANDARD MEDICAL QUANTITIES (Code M - Basic Plus Medical Quantities, Code S - All-Electric Plus Medical Quantities):** Additional medical quantities are available as provided in Rule 19, for both the primary and additional meters.
8. **COMMON-AREA ACCOUNTS:** Common-area accounts that are separately metered by PG&E have a one-time option of switching to an applicable general service rate schedule by notifying PG&E in writing. Common-area accounts are those accounts that provide electric service to Common Use Areas as defined in Rule 1.

Accounts that switch to a general service tariff will have one, and possibly two, opportunities to return to a residential rate schedule. Please see Common-Area Accounts Section of General Service Schedules A-1, A-6, A-10, and E-19 for more details.

9. **BILLING:** A customer's bill is calculated based on the option applicable to the customers:

**Bundled Service Customers** receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

**Transitional Bundled Service Customers** take transitional bundled service as prescribed in Rules 22.1 and 23, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges<sup>1</sup>, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC. (T) (T)

**Direct Access (DA) and Community Choice Aggregation Service (CCA Service) Customers** purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges<sup>1</sup>, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS. (T)

<sup>1</sup> Per Decision 11-12-031, New System Generation Charges are effective 1/1/2012. (N)

(Continued)



**ELECTRIC SCHEDULE EL-1**  
**RESIDENTIAL CARE PROGRAM SERVICE**

Sheet 5

SPECIAL  
 CONDITIONS:  
 (Cont'd.)

9. BILLING (Cont'd.):

DA / CCA CRS

Energy Cost Recovery Amount Charge (per kWh)	\$0.00504	(I)
DWR Bond Charge (per kWh)	\$0.00000	
CTC Charge (per kWh)	\$0.00555	(R)
Power Charge Indifference Adjustment (per kWh)		
Pre-2009 Vintage	(\$0.00551)	(I)
2009 Vintage	\$0.01773	
2010 Vintage	\$0.01920	
2011 Vintage	\$0.01920	

10. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

11. DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must transfer to a time-of-use rate, to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB – *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.

12. DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.





**GAS SCHEDULE GL-1  
 RESIDENTIAL CARE PROGRAM SERVICE**

Sheet 1

**APPLICABILITY:** This rate schedule\* applies to natural gas service to Core End-Use Customers on PG&E's Transmission and Distribution Systems. To qualify, service must be to individually-metered single family premises for residential use, including those in a multifamily complex, where the applicant qualifies for California Alternate Rates for Energy (CARE) under the eligibility and certification criteria set forth in Rules 19.1, 19.2, or 19.3.

**TERRITORY:** Schedule GL-1 applies everywhere within PG&E's natural gas Service Territory.

**RATES:** Customers on this schedule pay a Procurement Charge and a Transportation Charge, per meter. Qualifying CARE Core End-Use Customers receive a CARE Discount, which applies to both procurement and transportation charges.

	<u>Per Therm</u>			
	<u>Baseline</u>		<u>Excess</u>	
<u>Procurement Charge:</u>	\$0.38713	(I)	\$0.38713	(I)
<u>Transportation Charge:</u>	\$0.51872		\$0.82996	
<u>CSI- Solar Thermal Exemption</u>	(\$0.00081)		(\$0.00081)	
<u>CARE Discount:</u>	(\$0.18101)	(R)	(\$0.24326)	(R)
<b>Total:</b>	<b>\$0.72403</b>	<b>(I)</b>	<b>\$0.97302</b>	<b>(I)</b>

Public Purpose Program Surcharge: = .05651 / therm

Customers served under this schedule are subject to a gas Public Purpose Program (PPP) Surcharge under Schedule G-PPPS.

See Preliminary Statement, Part B for the Default Tariff Rate Components.

The Procurement Charge on this schedule is equivalent to the rate shown on informational Schedule G-CP—Gas Procurement Service to Core End-Use Customers.

\* PG&E's gas tariffs are available online at [www.pge.com](http://www.pge.com).

(Continued)



**GAS SCHEDULE GL-1  
 RESIDENTIAL CARE PROGRAM SERVICE**

Sheet 2

**BASELINE QUANTITIES:**

The delivered quantities of gas shown below are billed at the rates for baseline use.

BASELINE QUANTITIES (Therms Per Day Per Dwelling Unit)			
Baseline	Summer	Winter	
<u>Territories***</u>	<u>Effective Apr. 1, 2012</u>	<u>Effective Nov. 1, 2012</u>	(T)
P	0.46 (R)	2.18	
Q	0.65	2.02 (R)	
R	0.43	1.82 (R)	
S	0.46	1.92 (R)	
T	0.65	1.79	
V	0.69	1.79 (I)	
W	0.46	1.69 (R)	
X	0.59	2.02 (R)	
Y	0.82 (R)	2.64	

**SEASONAL CHANGES:**

The summer season is April 1 through October 31, and the winter season is November 1 through March 31. Baseline quantities for bills that include the April 1 and November 1 seasonal changeover dates will be calculated by multiplying the applicable daily baseline quantity for each season by the number of days in each season for the billing period.

**STANDARD MEDICAL QUANTITIES:**

Additional medical quantities (Code M) are available as provided in Rule 19.

**SURCHARGES:**

Customers served under this schedule in conjunction with Schedule G-CT, or in conjunction with noncore service, are subject to a franchise fee surcharge under Schedule G-SUR for gas volumes purchased from parties other than PG&E and transported by PG&E.

Customers served under this schedule are subject to a gas Public Purpose Program (PPP) Surcharge under Schedule G-PPPS.

**ALTERNATIVE PROCUREMENT OPTION:**

Customers may procure gas supply from a party other than PG&E by taking this schedule in conjunction with Schedule G-CT—Core Gas Aggregation Service. Customers who procure their own gas supply will not pay the Procurement Charge component of this rate schedule shown above and will be subject to the applicable rates specified in Schedule G-CT.

\*\* The applicable baseline territory is described in Preliminary Statement, Part A.

**CITY OF GRIDLEY  
MASTER FEE SCHEDULE**

1	GENERAL	3
2	ADMINISTRATION	
3	(RESERVED)	
4	(RESERVED)	
5	BUSINESS TAXES, LICENSES, REGULATORY FEES	4
	Business license fees	5
	Business Improvement District	6
6	ANIMALS	7
7	(RESERVED)	
8	HEALTH AND SAFETY	9
	Garbage	9
	Fire Department Fees	13
9	PUBLIC PEACE, MORALS AND WELFARE	16
	Boat ramp / shooting range	17
	Police, non-vehicle related	17
10	VEHICLES AND TRAFFIC	18
	Bicycle	18
	Parking violations	19
11	(RESERVED)	
12	STREETS, SIDEWALKS AND PUBLIC PLACES	
13	PUBLIC SERVICES	20
	Sewer	20
	Water	22
	Electric	23
	Drainage	26
14	DEVELOPMENT IMPACT FEES	
15	BUILDINGS AND CONSTRUCTION	27
16	SUBDIVISIONS	33
17	ZONING	34

**TITLE 8. HEALTH AND SAFETY**

**A. GARBAGE COLLECTION** Ord 465(85); GMC 8.04.070; R2(99); 2000-R-066; 2001-R-037; 2002-R-001; 2002-R-007; 2002-R-073; 2003-R-048; 2004-R-063; 2005-R-047; 2006-R-030; 2007-R-042

**Residential Cart Rates:**

<u>Solid Waste Cart/Toter Size</u>	<u>Monthly Rate</u>
35 gallon cart/toter	\$ 22.33
64 gallon cart/toter	33.46
95 gallon cart/toter	44.62

One (1) 64 gallon recycling cart/toter and one (1) 90 gallon yard waste cart/toter are included in the basic residential cart/toter rates above.

Additional cart/toters can be requested by existing household refuse collection customers as follows:

35 gallon cart/toter	\$ 18.40
64 gallon cart/toter	27.61
90 gallon cart/toter	36.82

Residential service is defined as service to individual residential units where there are less than 5 residential units per property. There must be a minimum of one (1) cart/toter per unit. Due to the space requirements, residential complexes of more than four residential units must use the commercial (bin) service at the level of service determined by the City's franchisee. Residential complexes are eligible to have recycling cart/totes and yard waste cart/totes if requested. The level of service of recycling and yard waste carts/totes is at the discretion of the City's solid waste franchisee.

**Commercial Cart Rates:**

<u>Solid Waste Cart/Toter Size</u>	<u>Monthly Rate</u>
35 gallon cart/toter	\$ 25.28
64 gallon cart/toter	36.97
95 gallon cart/toter	63.94

One (1) 64 gallon recycling cart/toter is included in the basic commercial cart/toter rates above:

Additional cart/toters can be requested by existing household refuse collection customers as follows:

35 gallon cart/toter	\$ 20.87
64 gallon cart/toter	31.17

**TITLE 13. PUBLIC SERVICES**

**A. SEWER**

***Sewer System Capacity Fee (660-3641)***

Residential and Commercial Fee superseded by Development Impact Fees – Sewer – under Title 14  
Please see Title 14 for Development Impact Fees in lieu of Capacity Fees

O727-2004	13.08.010	Commercial	minimum fee	See Title 14	
			plus	\$ 17.78	F.U.
		Industrial		**	
		**Determined by City Engineer			

***Sewer System Collector Fee (650-3641)***

O727-2004	13.08.020	Single-family unit		\$1,650*	
		Mobile home		\$1,650*	
		Multiple unit (apartment - per unit)		\$1,650*	
		Commercial	minimum fee	\$1,650*	
			plus	\$ 17.78	F.U.
		Industrial		**	
		**Determined by City Engineer			

***Sewer System Lateral Fee (650-3641)***

O727-2004	13.08.030	4" and 6" service		\$1,725*	All dwelling unit, commercial, and industrial connections
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***Sewer System Usage Charges (Res 2008-R-051; Ord 780-2008)***

Increases remain proportional to rate schedule established for Clean Water Grant by R72(78)

<u>User Classification</u>	<u>Charge</u>
Single family residential	\$ 37.96
Multi-family residential per unit	33.53
Hotels & Motels per unit	117.97
BCHA per unit	42.04
Retail & Commercial	46.67

Service stations		109.29
Beauty/Barber Shops		29.63
Restaurants	small	125.97
Restaurants	large	209.72
Small Markets		167.67
Supermarkets		341.13
Rio Pluma	domestic only	217.33
Gridley Inn Offices		230.77
Caldwell building		122.96
Schools	each 25 students	47.34
Churches		21.27
Hospitals		1217.12
Butte County Fair	5 commercial units	233.32
* multi-classification properties are charged based on sum of each individual classification multiplied on a per unit basis		

O655(96)

**Deposit: establish / re-establish credit:**

2 X highest monthly billing (last 12 mos) for structure where service to be provided.

**Septage Receiving Charge**

R19(94)	n/a	Septage generated in City	\$ 45	1,000 gal
		Septage generated in County	\$ 45	1,000 gal
		Septage generated outside Butte County (may not be received, per Council policy)	n/a	

**Industrial Wastewater Permits**

O681(98)	13.06.050	Industrial wastewater permits	none
		Monitoring	none
		Violation response	none
		Appeals	none

**Other fees and service charges:**

Credit Report	\$7.50
On-site delivery of a termination notification	50.00
Field collection fee	50.00
Final termination notice	50.00
15-day delinquency notice: Residential	15.00
15-day delinquency notice: Commercial	15.00
Collection agency fee for delivery	15.00
Return check charge	25.00 plus
Return EFT charge (if applicable)	10.00

**B. WATER SYSTEM**

*Water System Usage Charges* (Res 2006-R-002 ; Ord 759-2006)

<u>Classification</u>	<u>Charge</u>
Usage fee - metered rate per 1,000 gallons	\$ 0.87
<u>Monthly meter fee</u>	
Up to 1" meters	\$ 24.99
1.5" meters	37.48
2" meters	49.97
3" meters	74.95
4" meters	99.93
Over 4" meters	124.92
Flat rate - without a dedicated meter	\$ 59.18
Bulk water - with building permit - up to 5 mos	114.89
Fire hydrant use - unmetered - hookup fee	24.99
Fire hydrant use - metered - deposit	976.60
Fire hydrant use - metered - rental per month	24.99
Fire hydrant use - usage per 1,000 gallons	0.97
Fire line for sprinklers	\$ -

2009-R-047

13.15.030

		<b><u>Domestic (residential) rate:</u></b>	Effective	12-01-09
		<i>(applies to ea. unit in any group - apt., duplex, etc.)</i>		
		Customer charge	\$ 10.50	min/month
		Energy charge: (Life line) to 475 KWh	\$ 0.128	per KWh
		476 to 575 KWh	\$ 0.172	per KWh
		576 to 1800 KWh	\$ 0.226	per KWh
		1801 to 2000 KWh	\$ 0.238	per KWh
		2001 KWh and over	\$ 0.261	per KWh
		Public Benefit Charge	2.85%	per KWh
		California Energy Commission up to	\$+ 0.0003	of charges per KWh
		<b><u>Life Support Program (residential) rate:</u></b>	Effective	
		Customer charge	\$ 8.00	12-01-09
		Energy charge (Life line) to 475 KWh	\$ 0.095	min/month
		476 to 575 KWh	\$ 0.148	per KWh
		576 to 1425 KWh	\$ 0.208	per KWh
		1426 KWh and over	\$ 0.230	per KWh
		Public Benefit Charge	2.85%	per KWh
		California Energy Commission up to	\$+ 0.0003	of charges per KWh
		<i>(must meet eligibility requirements)</i>		

2009-R-047

13.15.030

**General (commercial) rate:**

Requirements:

		<b><u>No demand meter:</u></b>	Effective	12-01-09
		Customer charge	\$ 21.80	min/month
		Energy charge to 625 KWh	\$ 0.134	per KWh
		626 to 2500 KWh	\$ 0.162	per KWh
		2501 to 2675 KWh	\$ 0.163	per KWh
		2676 to 7500 KWh	\$ 0.176	per KWh
		7501 to 10000 KWh	\$ 0.185	per KWh
		10000 KWh and over	\$ 0.215	per KWh
		Public Benefit Charge	2.85%	of charges
		California Energy Commission up to	\$+ 0.0003	per KWh
		<i>Single phase meter-all usages</i>		
		<i>4-phase - less than 25,000 KWH annual usage</i>		

Requirements:

2009-R-047

13.15.030

**Demand (commercial) meter rate:**

			Effective	
		Customer charge	\$ 46.80	12-01-09
		Energy charge to 10,000 KWh	\$ 0.174	min/month
		10,001 KWh and over	\$ 0.140	per KWh
		Demand charge per KW over 30KW	\$ 7.50	per KWh
		Public Benefit Charge	2.85%	per KWh
		California Energy Commission up to	\$+ 0.0003	of charges per KWh
		<i>3-Phase meter/more than 25,000 KWH annual usage</i>		

Requirements:

**Industrial rates:**

			Effective	12-01-09
		Customer charge	\$ 150.00	min/month
		Energy charge	\$ 0.115	per KWh
		Demand charge per KW over 100KW	\$ 5.25	per KWh
		Public Benefit Charge	2.85%	per KW
		California Energy Commission up to	\$+ 0.0003	of charges per KWh
		<i>3-Phase meter - more than 25,000 kWh annual usage; and Average monthly demand greater than 500 KW over the past 12 months actual (or estimated for new accounts).</i>		



**CITY OF BIGGS – FEE SCHEDULES**

**WATER SERVICE RATES**

**AUTHORITY:** Ordinance No. 347; Ordinance No. 366

**EFFECTIVE DATE:** June 16, 2011

**COROLLARY REFERENCE:** Section 5471 California Health and Safety Code; Section 10.10.045 Biggs Municipal Code

A. Pursuant to the authority granted to it by state law, the City of Biggs hereby establishes the following monthly water rates.

**Metered Rates:**

Pipe Size	Min Service Charge	Min Usage (C.F.)	Rate/1000 CF
3/4"	41.85	7000	\$8.20
1"	41.85	7000	\$8.20
1.5"	46.57	7000	\$8.20
2"	54.57	7000	\$8.20
3"	105.14	9032	\$6.20
4"	145.14	15,510	\$6.20
6"	253.14	32,984	\$6.20

**Flat Rates:**

Type	Flat Rate
Residential - Single Family	\$41.85
Residential - Multi Family	\$41.85
Churches/Lodges	\$52.85
Business/Retail	\$71.85
Restaurants/Bars	\$81.85
Service Stations	\$182.85
Day Care Centers & Pre School Facilities Up to 10 Children	\$52.85
Day Care Centers & Pre School Facilities More than 10 Children	\$62.85
Schools	Set Case by Case
Industrial	Set Case by Case

**Note: 1.)** Metered Rates are per month. Charges above the minimum usage are based on a per 1000 C.F. amount.

**Note 2.)** The city will also collect \$13.15 per month from each account for the Capital Improvement Account.

**PLEASE GO TO FOLLOWING PAGE**

## CITY OF BIGGS – FEE SCHEDULES

### SEWER FEES

**AUTHORITY:** Ordinance No. 357;

**EFFECTIVE DATE:** June 23, 2005

**COROLLARY REFERENCE:** Section 5471 California Health and Safety Code; Section 10.05.320 Biggs Municipal Code

FEE CATEGORY	CUSTOMER SECTOR	MONTHLY RATE
Sewer Fees	Residential/Apartment	\$27.12
	Tavern or Bar	\$35.50
	Beauty Salon in Home	\$30.50
	Churches and Halls	\$28.04
	Commercial	\$30.50
	Rice Mill	\$49.64
	Market	\$48.34
	Office Buildings	\$30.50
	Mini-Mart	\$39.18
	Service Station	\$41.18
	Industrial	\$52.10
	Memorial Hall	\$30.50
	Restaurant	\$42.91
	Day Care	50.26
	Elementary School	\$132.98
	High School	\$132.98

**CITY OF BIGGS – FEE SCHEDULES**

**REFUSE COLLECTION SERVICE RATES**

**AUTHORITY:** Council Motion-December 15, 2008

**EFFECTIVE DATE:** January 1, 2009

**COROLLARY  
REFERENCE:** None

<b>FEE CATEGORY</b>	<b>FEE</b>
---------------------	------------

Refuse Collection Service Rates:	\$20.11/Customer/Month
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**CITY OF BIGGS – FEE SCHEDULES**

**ELECTRIC UTILITY SERVICE RATES – RESIDENTIAL  
(DOMESTIC AND APARTMENTS)  
2008- 2009 FISCAL YEAR**

**AUTHORITY:** Resolution No. 2003-25 ; Council Motion – 06/25/07 ; Resolution No. 2008-18

**EFFECTIVE DATE:** July 21, 2008 (applied to July bills in August, prorated)

**COROLLARY**

**REFERENCE:** Section 10.25.060 Biggs Municipal Code

<b>CATEGORY</b>	<b>RATES</b>	<b>AMOUNT</b>
Domestic and Apartment Services (Schedule DA – City):	Minimum Charge (Per Active Meter per Mo)	\$6.25
	Energy Charge – Per kWh First 400 kWh	\$0.1533
	Energy Charge – Per kWh Over 400 kWh	\$0.2065
Domestic and Apartment Services (Schedule NC-DA – Outside City):	Minimum Charge (Per Active Meter per Mo)	\$6.25
	Energy Charge – Per kWh First 400 kWh	\$0.1564
	Energy Charge – Per kWh Over 400 kWh	\$0.2235
Senior Rate:	Minimum Charge (Per Active Meter per Mo)	\$6.25
	Energy Charge – Per kWh First 400 kWh	0.1379
	Energy Charge – Per kWh Over 400 kWh	0.1856

**CONDITIONS:**

1. All new domestic or apartment units shall be separately metered. Where apartments are master metered, the minimum charge will be the number of apartments times the above minimum charge. Each energy block shall be multiplied by the number of apartments served.
2. These Schedules are applicable to domestic lighting, heating, cooking and single phase power.
3. Existing three phase domestic consumers served through a single meter will qualify for this rate.
4. Service under these schedules will be nominal single phase 120/140 volt alternating current.

Schedule No. CH-1-R  
 Chico-Hamilton City Tariff Area  
RESIDENTIAL METERED SERVICE

This tariff has been filed with the California Public Utilities Commission and is effective 2/1/12, subject to refund, until final commission approval.

APPLICABILITY

Applicable to all metered water service provided to single-family residential customers.

TERRITORY

Chico and vicinity, Butte County, and Hamilton City and vicinity, Glenn County.

RATES

Quantity Rates:

For the first 1,000 cubic feet, per 100 cubic feet.....	\$0.8852	(1)
For the next 2,100 cubic feet, per 100 cubic feet.....	0.9485	
For all over 3,100 cubic feet, per 100 cubic feet.....	1.0117	(1)

	Per Meter Per Month	
Service Charge:		
For ..... 5/8 x 3/4 - inch meter	\$13.99	(1)
For ..... 3/4 - inch meter	20.98	
For ..... 1 - inch meter	34.97	
For ..... 1-1/2 - inch meter	69.93	
For ..... 2 - inch meter	111.90	
For ..... 3 - inch meter	209.80	
For ..... 4 - inch meter	349.67	
For ..... 6 - inch meter	637.68	
For ..... 8 - inch meter	973.91	
For ..... 10 - inch meter	1,608.50	
For ..... 12 - inch meter	2,307.84	
For ..... 14 - inch meter	3,147.06	(1)

The service charge is a readiness-to-serve charge which is applicable to all metered service and to which is added the charge for water used computed at the quantity rates.

SPECIAL CONDITIONS

1. All bills are subject to the reimbursement fees set forth on Schedule UF.
2. All bills are subject to any applicable surcharges on Schedules RSF and LIRA-SC.
3. Qualifying low-income individually metered residential customers are eligible for credits as shown on Schedule LIRA.
4. A capital infrastructure surcharge of \$0.0120 per 100 Cu. Ft. of water used is to be applied to the quantity rates, beginning December 20, 2010, the effective date of Advice Letter 2014, as authorized in Decision 08-07-008.
5. An ICBA surcredit of \$0.1840 per service per month is to be added to each bill for 12 months beginning April 1, 2011, the effective date of Advice Letter 2024-A, in accordance with Commission Decision 10-12-017.
6. A conservation surcredit of \$0.12 per service per month is to be added to each bill for 12 month: beginning April 1, 2011, the effective date of Advice Letter 2026, in accordance with Commission Decision 10-12-017.
7. A WRAM-MCBA true-up surcharge of \$0.0625 per 100 cu. ft. of water used is to be applied to the quantity rates for 24 months beginning April 14, 2011, the effective date of Advice Letter 2029-A
8. An expense adjustment surcredit of \$0.0011 per 100 Cu. Ft. of water used is to be applied to the quantity rates for 12 months, beginning February 1, 2012, the effective date of Advice Letter 2056-A, as authorized in Decision 10-12-017. (N)  
|  
(N)

Chico


RE: Public Hearing re: Increase in Sewer Service Rates  
Meeting Date: June 7, 2011  
Page 2

	Current	FY 11-12	FY 12-13	FY 13-14
<b>Fixed Rate Payments</b>				
City Residential	\$16.75	\$20.44	\$22.08	\$22.74
Non-Residential	\$16.75	\$20.44	\$22.08	\$22.74
County Residential	\$17.44	\$21.28	\$22.98	\$23.67
<b>Variable Rate Payments (CCF's)</b>				
Restaurants	\$4.33	\$5.28	\$5.70	\$5.87
Markets & Bakeries	\$4.33	\$5.28	\$5.70	\$5.87
Car Washes	\$2.16	\$2.64	\$2.85	\$2.94
Other Commercial	\$2.00	\$2.44	\$2.63	\$2.71
Public Authority	\$2.00	\$2.44	\$2.63	\$2.71
Brewery	\$6.43	\$7.84	\$8.47	\$8.72


**PUBLIC CONTACT:**

Notification of tonight's public hearing was mailed to approximately 19,100 sewer customers on April 19, 2011.

Reviewed by:

  
Fritz McKinley, Building & Development Services Director

Approved by:

  
David Burkland, City Manager

**DISTRIBUTION:**

City Clerk (18)  
BDSM McKinley  
GSDM Martinez  
FD Hennessy  
PM Hansen  
WWTP Manager Sulik  
AM Fields  
Tamara Miller, MPM Engineering

**ATTACHMENTS:**

Public Hearing Notice

**FILE:** Sewer Service Rate Increase 2011

Schedule No. OR-1-R

Oroville Tariff Area

RESIDENTIAL METERED SERVICE

This tariff has been filed with the California Public Utilities Commission and is effective 5/3/12 subject to refund, until final commission approval.

APPLICABILITY

Applicable to all metered water service provided to single-family residential customers.

TERRITORY

Oroville and vicinity, Butte County.

RATES

Quantity Rates:

For the first 800 cubic feet, per 100 cubic feet.....	\$1.6659
For the next 1,400 cubic feet, per 100 cubic feet.....	1.7886
For all over 2,200 cubic feet, per 100 cubic feet.....	2.1044

Service Charge:	Per Meter Per Month
For ..... 5/8 x 3/4 - inch meter	\$31.18
For ..... 3/4 - inch meter	46.76
For ..... 1 - inch meter	61.04
For ..... 1-1/2 - inch meter	123.76
For ..... 2 - inch meter	158.19
For ..... 3 - inch meter	293.70
For ..... 4 - inch meter	404.86
For ..... 6 - inch meter	665.22
For ..... 8 - inch meter	990.59
For ..... 10 - inch meter	3,585.20
For ..... 12 - inch meter	5,143.99
For ..... 14 - inch meter	7,014.53

The service charge is a readiness-to-serve charge which is applicable to all metered service and to which is added the charge for water used computed at the quantity rates.

SPECIAL CONDITIONS

1. All bills are subject to the reimbursement fees set forth on Schedule UF.
2. All bills are subject to any applicable surcharges on Schedules RSF and LIRA-SC.
3. Qualifying low-income individually metered residential customers are eligible for credits as shown on Schedule LIRA.
4. A WRAM-MCBA true-up surcharge of \$0.1253 per 100 cu. ft. of water used is to be applied to the quantity rates for 24 months beginning July 23, 2010, the effective date of Advice Letter 1996-A.
5. A capital infrastructure surcharge of \$0.0469 per 100 Cu. Ft. of water used is to be applied to the quantity rates, beginning December 17, 2010, the effective date of Advice Letter 2010-A, as authorized in Decision 07-12-055. (D)
6. A WRAM-MCBA true-up surcharge of \$0.1181 per 100 cu. ft. of water used is to be applied to the quantity rates for 24 months beginning April 14, 2011, the effective date of Advice Letter 2029-A.
7. A Water Conservation Expense Memorandum Account surcharge of \$0.0330 per 100 Cu. Ft. of water used is to be applied to the quantity rates for 12 months, beginning February 2, 2012, the effective date of Advice Letter 2006-A, as authorized in Resolution W-4870.
8. A WRAM-MCBA true-up surcharge of \$0.2124 per 100 cu. ft. of water used is to be applied to the quantity rates for 18 months beginning May 3, 2012, the effective date of Advice Letter 2073-B. (N)

(To be inserted by utility)  
 Advice Letter No. 2073-B  
 Decision No. 08-02-036

Issued by  
**THOMAS F. SMEGAL**  
NAME  
**Vice President**  
TITLE

(To be inserted by Cal. P.U.C.)  
 Date Filed \_\_\_\_\_  
 Effective \_\_\_\_\_  
 Resolution No. \_\_\_\_\_

## Angel McCurdy

---

**From:** Diane M. Howard <howarddm@cityoforoville.org>  
**Sent:** Wednesday, May 09, 2012 10:31 AM  
**To:** Angel McCurdy  
**Subject:** Sewer Charge

Hi Angel –

The amount for a single family dwelling as of fiscal year 2011/12 was \$269.04. I will not know future sewer costs until July 2012.

Please let me know if you need any further information.

*= 22.42 / mo*

Thank You!

Diane

Diane M. Howard  
Accountant  
City of Oroville  
1735 Montgomery Street  
Oroville, CA 95965  
(530) 538-2412 - Direct  
(530) 538-2525 - Fax



THERMALITO WATER & SEWER DISTRICT  
410 GRAND AVENUE  
OROVILLE, CA 95965  
PHONE: (530) 533-0740 FAX (530) 533-9243

*\*Serving the Community since 1922\**

**MONTHLY WATER RATES**

1 cubic foot equals 7.48 gallons  
Water is billed at \$0.74 per hundred cubic feet.

<u>METER SIZE</u>	<u>MINIMUM CHARGE</u>
3/4" .....	\$ 28.84
1" .....	\$ 32.96
1 1/2" .....	\$ 41.20
2" .....	\$ 51.50
3" .....	\$116.39
4" .....	\$151.39
6" .....	\$267.80

- ❖ **Multiple Units** operating from a common meter are charged **\$22.66 additional, per unit.**
- ❖ Charges billed include prior month's usage and are due and payable upon receipt.
- ❖ After-hours service calls are billed at \$70.00 per hour, 2-hour minimum.
- ❖ Accounts are in Property Owner's name only.
- ❖ Lock-off charge for non-payment: \$65.00 per occurrence.
- ❖ Customer is responsible for all damage to meter and/or meter devices.

*Revised/Effective: July 1, 2010*

**MONTHLY SEWER RATES**

Sewerage-Commission, Oroville Region

Waste Water Treatment.....	\$ 8.60 per EDU
T.W.S.D. Bonds-Collection System Construction	\$ 5.00 per EDU
T.W.S.D. Operation & Maintenance.....	<u>\$13.75 per EDU</u>
	<b>\$27.35 per EDU</b>

- ❖ The Owner is responsible for maintenance of service lines to point of connection with the mainline.
- ❖ After-hours service calls are billed at \$70.00 per hour, 2-hour minimum.
- ❖ Monthly charges apply to each EDU, empty or occupied.
- ❖ EDU = Equivalent Dwelling Unit.

*Revised/Effective: July 1, 2010*  
Word:Pam:Rate Schedule Water & Sewer

**Del Oro Water – Paradise Pines District**

**Rates & Tariffs**

**Service Charges**

The Service Charge is a *Readiness to Serve Charge* which is applicable to all metered water service and to which is added the charge for water used, computed at the *Quantity Rate* below.

**New Service Advance Deposit** **\$ 140.88**

<b>Meter Size</b>	<b>Service Charge</b>	<b>SRF Surcharge</b>
5/8 x 3/4 inch ( <i>most homes have these</i> )	\$ 11.74	\$ 3.26
3/4-inch	\$ 17.61	\$ 4.89
1-inch	\$ 29.35	\$ 8.15
1-1/2-inch	\$ 58.71	\$ 16.30
2-inch	\$ 93.93	\$ 26.07
3-inch	\$ 176.12	\$ 48.89
4-inch	\$ 293.54	\$ 81.48
6-inch	\$ 587.07	\$ 162.96

**Quantity Rate**

For all water used, per 100 cubic feet **\$ 2.512**

**State Revolving Fund (SRF) Surcharge**

The monthly Surcharge is specifically for repayment of the State Revolving Fund for the Regional Intertie Project as authorized by Decision 08-05-032. The monthly Surcharge Rates are subject to adjustment.

**California Public Utilities Commission (CPUC) Reimbursement Surcharge**

A 1.5% surcharge is required to be added to all customers' bills, which is calculated on all amounts due and is forwarded to the Commission throughout the year.

**Special Conditions - Paradise Pines Annual General METERED Service**

1. The initial service charge for customers applying for service, who have not been a customer of the district for at least 12 months, is a multiple of the Monthly Service Charge, the meter size, times 12 months. This initial advance will be prorated 1/12 per month over the first twelve month period of service and credited to the customer's bill on a monthly basis. If service is not continued for at least one year after the date of initial service, no refund of the initial annual charges shall be due the customers.
2. The established billing cycle for water used is monthly.
3. All bills are subject to the California Public Utilities Commission (CPUC) Reimbursement Fee set forth in Schedule No. UF.
4. A late charge will be imposed per Schedule No. LC.
5. In accordance with Section 2714 of the Public Utilities Code, if a tenant in a rental unit leaves owing the company, service to subsequent tenants in that unit will, at the company's option, be furnished on the account of the landlord or property owner.

**Trash Collection - 05/07/12**

<b>Northern Recycling and Waste Mgmt Paradise</b>	Phone 876-3340
35gal trash \$22.67/mo 65gal trash \$29.47/mo 95gal trash \$32.87/mo Residential Services are billed quarterly.	
<b>Magalia</b>	
35gal trash \$20.15/mo 65gal trash \$26.70/mo 95gal trash \$29.75/mo	

<b>North Valley Waste Mgmt</b>	893-4777
<b>Gridley</b>	
35gal trash \$22.33/mo 64gal trash \$33.46 96gal trash \$44.62	
<b>Chico</b>	
35gal trash \$11.90/mo 64gal trash \$18.90/mo 96gal trash \$23.85/mo	
<b>Oroville</b>	
35gal trash \$18.97/mo 64gal trash \$22.84/mo 96gal trash \$25.62/mo	
<b>Butte County</b>	
35gal trash \$18.97/mo 64gal trash \$22.84/mo 96gal trash \$25.62/mo	
<b>Orland - City</b>	
64gal trash \$17.81 96gal trash \$25.40	
<b>Orland - County</b>	
32gal trash \$22.08/mo 64gal trash \$24.03/mo 96gal trash \$33.59/mo	
<b>Willows - City</b>	
64gal trash \$17.81 96gal trash \$25.40	
<b>Glenn Cty</b>	
32gal trash \$22.08/mo 64gal trash \$24.03/mo 96gal trash \$33.59/mo	

<b>Recology</b>	Phone 533-4783
<b>Oroville (City)</b>	
32gal trash \$18.73/mo 64gal trash \$24.46/mo 96gal trash \$25.96/mo	
<b>Chico</b>	
32gal trash \$11.80/mo 64gal trash \$18.90/mo 96gal trash \$23.85/mo	
<b>Magalia</b>	
32gal trash \$22.69/mo 64gal trash \$25.45/mo 96gal trash \$26.84/mo	
<b>Kelly Ridge/Thermalito</b>	
32gal trash \$23.21/mo 64gal trash \$27.36/mo 96gal trash \$28.73/mo	
<b>County Areas</b>	
32gal trash \$25.25/mo 64gal trash \$29.49/mo 96gal trash \$30.91/mo	