JOE M. OLMSTEAD, P.E.
Consulting Engineer

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May 10, 2007

Idaho Public Utility Commission
472 W. Washington
Boise, Idaho 83702-5983

Attn: Jean Jewell, The Commission Secretary

Subj: Stoneridge Water Company, Case No. SWS-W-06-01
Responses to Comments

Dear Donovan:

The StoneRidge Water Company believes that the staff has appropriately addressed comments from the public. StoneRidge is agreeable to using the meter size as a billing determinate and that all usage should be subject to a usage charge. StoneRidge will work with Mr. Johnson to come up with options to increase the pressure at his home.

StoneRidge would like to take this opportunity to suggest that a portion of the assumed information that was used to set the rates is not correct. StoneRidge's responses 1) modifies the calculation of the revenue requirement, 2) corrects some of the assumptions that were made when the rates were calculated, and 3) includes the affects of an additional account that will be utilizing the winter disconnect. An original and seven copies of the responses are provided for the Commission's use.

The revenue requirement has not been correctly calculated. The owner's equity that was supplied to complete phases I & II was not included in the revenue requirement. Exhibit 102 correctly identifies the rate base, which is in two parts, $51,254 for general improvements and $52,373 for Phase I & II improvements. The weighted cost of capital shown on Exhibit 105 uses only the first item of the rate base ($51,254) and omits the second item ($52,373). When both items are included the revenue requirement from Rate Base on Exhibit 106 becomes $14,902 rather than the $8,618 shown. The Revenue Requirement calculation then changes from the $132,349.70 shown to $147,252.36.

The test year assumed meter data is not correct as summarized on page 9 of the comments. The Motorcoach development currently has 37 lots served by a 6 inch meter. The four time share units and two auxiliary buildings are served with six 2-inch meters.

The Motorcoach development 6-inch service meter was installed before the meter size was used as a billing determinate. The Motorcoach development only requires a 2-inch meter to serve the normal usage. The 6 inch meter was installed to pass fire flows. The 6-inch meter will be replaced with a 2-inch service meter for revenue purposes and a bypass valve installed to pass the fire flows. Fire flows are not metered anywhere on the system. A copy of page 9 from the staff's comments has been marked up to show these changes.

The Phase I surcharge for the Happy Valley Ranchos was calculated to be $16.83 at the bottom of page 14. The text at the top of page 14 uses a different number as does the recommendations on page 20. A copy of page 14 marked to show discrepancies is included.

The staff has recommended that the winter disconnect service be continued. The staff estimated the cost to be $800 based on the previous years disconnects. Staff did not take into account that the irrigation meter would be disconnected for 7 months of the year with an annual loss in revenue of $8,100. As the rates are adjusted, the total loss of revenue due to winter disconnects could exceed $15,000, which is 10% of the total revenue requirement.

Attached are the results of two spreadsheets that show the affect of changes to the assumed data. The first spreadsheet summary titled "Check of the IPUC Rate Analysis" uses the proposed staff rates of $18.10 base rate and 0.53 $/1000 gallons and the assumed meter sizes shown on page 9 to produce revenue of $132,000 as required on Exhibit 106. The second spreadsheet summary titled "IPUC Rate Analysis with Changed Meter Sizes and Irrigation Winter Discount" has been highlighted to show the altered meter sizes and the irrigation meter being disconnected for the winter months. The modified Revenue Requirement has been set to be $148,700 (equal to the $147,252 as described above plus the $1,500 for the loss of revenue from residential customers during the winter.) The base rate in the second spreadsheet summary has been changed from $18.10 to $32.00 to recover this modified Revenue Requirement.

Joe M. Olmstead, PE
Consulting Engineer

By Joe M Olmstead
Joe M. Olmstead

Encl: 1 original and 7 copies

Cc: StoneRidge, Allara w/ encl
StoneRidge, Blanchard w/ encl
Janet D. Robnett w/ encl
Joe M Olmstead w/ encl

Staff Exhibit No. 102
Case No. SWS-W-06-
Staff Comments
04/27/07

Stoneridge Water Company
Case No. SWS-W-06-01
Rate Case

Company Rate Base with Staff Adjustments

		Date	Contractor	Check #	Amonut	Amount Allowed	Amount Not Associated with Water Plant	Reason for not Including in Rate Base	Phase I Project	Phase II Project	Annual Depreciation for Allowed Rate Base	Annual Depreciation for Phase II Plant
304	Structures and Improvements											
		5/24/2001	Pumnea Const.	170123	$ 37,140.75		$ 37,140.75	Accounting Code-Golf Course				
		6/12/2001	Pumnea Const.	170174	$ 77,426.54		$ 77,426.54	No documentation of Water System charges				
		8/29/2001	Pumnea Const.	Wire	$ 89,134.94		$ 89,134.94	No documentation of Water System charges				
		12/28/2001	James Sewell & Assoc.	170613	$ 2,573.00	$ 2,573.00					$ 128.65	
		1/16/2002	James Sewell & Assoc.	170637	$ 8,780.00	$ 8,031.50	$ 748.50	Survey work on Condos			$ 399.49	
		1/24/2002	Pumnea Const.	170676	$ 50,389.70		$ 50,389.70	No documentation of Water System charges				
		6/1/2002	Pumnea Const.	171073	$ 72,951.98		$ 72,951.98	No documentation of Water System charges				
		12/10/2004	James Sewell & Assoc.	175139	$ 1,899.80			Phase II cost		$ 1,899.80		$ 94.99
		9/22/2005	David Bellomy Excav.	176820	$ 7,045.86	$ 7,045.86					$ 352.29	
		4/7/2006	James Sewell & Assoc.	177836	$ 1,465.00			Phase I and Phase II costs	$ 1,275.00	$ 190.00		$ 8.79
		4/12/2006	David Bellomy Excav.	177887	$ 3,479.84			Phase II costs		$ 3,479.84		$ 173.99
		5/15/2006	James Sewell & Assoc.	177982	$ 1,737.50			Phase I costs	$ 1,737.50			
		6/1/2006	RC Worst & Co.	178088	$ 1,703.03			Phase II costs		$ 1,703.03		$ 85.15
		6/9/2006	David Bellomy Excav.	178094	$ 22,802.48			Phase II costs		$ 22,802.48		$ 1,140.12
					$ 378,530.42	$ 17,650.36	$ 327,792.41					
309	Supply Mains											
		6/19/2002	Consolidated Supply Co.	171125	$ 2,819.49	$ 2,819.49					$ 187.97	
		6/26/2002	Consolidated Supply Co.	171187	$ 1,859.03	$ 1,859.03					$ 123.94	
		5/31/2002	Consolidated Supply Co.	171014	$ 1,731.76	$ 1,731.76					$ 115.45	
		7/25/2002	Consolidated Supply Co.	171282	$ 1,101.68	$ 1,004.78	$ 96.90	$96.90 associated with sewer system			$ 66.83	
		2/14/2002	James Sewell & Assoc.	170709	$ 1,084.58	$ 1,084.58					$ 72.31	
		6/20/2002	James Sewell & Assoc.	171179	$ 7,020.38	$ 7,020.38					$ 468.03	
		7/25/2002	James Sewell & Assoc.	171297	$ 4,266.44	$ 4,266.44					$ 284.43	
		6/19/2002	James Sewell & Assoc.	171136	$ 1,223.88	$ 1,223.88					$ 81.59	
		10/4/2004	James Sewell & Assoc.	174825	$ 2,017.29	$ 2,017.29					$ 134.49	
		10/14/2005	David Bellomy Excav.	176928	$ 1,331.24		$ 1,331.24	This is a repair and not a capital addition				
		5/15/2006	James Sewell & Assoc.	177982	$ 2,427.00	$ 2,427.00					$ 161.80	
					$ 26,882.77	$ 25,454.63	$ 1,428.14					
311	Power Pumping Equipment											
		7/15/2005	RC Worst & Co	176485	$ 3,957.44			This is for the new well and part of Phase II		$ 3,957.44		$ 263.83
		5/24/2006	RC Worst & Co	178045	$ 15,327.83			This is for the new well and part of Phase II		$ 15,327.83		$ 1,021.86
					$ 19,285.27	$ -	$ -					
334	Meters and meter installation	5/31/2002	Consolidated Supply Co.	171014	$ 104.11		$ 104.11	No documentation provided by the Applicant				
		6/19/2002	Consolidated Supply Co.	171125	$ 577.83		$ 577.83	No documentation provided by the Applicant				
					$ 681.94	$ -	$ 681.94					
335	Hydrants	12/28/2001	James Sewell & Assoc.	170613	$ 2,641.50		$ 2,641.50	No documentation provided by the Applicant				
		3/11/2005	David Bellomy Excav.	175731	$ 2,237.25	$ 2,237.25					$ 223.73	
		4/12/2005	David Bellomy Excav.	175904	$ 4,931.98	$ 4,931.98					$ 493.20	
		5/12/2005	HD Fowler Company	176077	$ 979.97	$ 979.97					$ 98.00	
					$ 10,790.70	$ 8,149.20	$ 2,641.50					
	Totals				$ 436,171.10	$ 51,254.19	$ 332,543.99		$ 3,012.50	$ 49,360.42	$ 3,392.20	$ 2,788.73

52,372 92

Stoneridge Water Company
Case No. SWS-W-06-01
Rate Case

Schedule of Weighted Cost of Capital

		Per Cent of Capital	Authorized Return	Weighted Cost of Capital	Revenue Requirment from Rate Base
Debt	$ 160,457	$ 0.78070	2%	1.5614%	
Equity	$ 45,073	$ 0.21930	12%	2.6316%	
	$ 205,530			4.1930%	$ 8,617.90

Debit	160 457	62.2	2	1.24%	
Equity	45 073	17.48	12	2.10%	
	52 373	20.3	12	2.44%	
	257 903	100		5.78	$ 14,902

Staff Exhibit No. 105
Case No. SWS-W-06-1
Staff Comments
04/27/07

Stoneridge Water Company
Case No. SWS-W-06-01
Rate Case

Revenue Requirement Calculation

Rate Base	$ 8,618.00 (14902 66)	Attachment 105
Annual Expenses	$ 116,072.70	Attachment 104
Depreciation	$ 6,181.00	Attachment 101
Grossed-up Taxes (See Calculation Below)	$ 1,478.00	See Below
Revenue Requirement	$ 132,349.70 (147252 86)	

Calculation of Taxes

Income from Return on RB	$ 8,618
Less Interest Expense	$ (3,210)
Taxable Income	$ 5,408
State Taxes @ 7.6%	$ 411
Federal Taxes @ 15%	$ 750
Net income after tax	$ 4,247

Gross Up Multiplier:

Beginning	100.0000%
State Tax @ 7.6%	7.6000%
Federal Taxable	92.4000%
Federal Tax @ 15%	13.8600%
Net After Tax	78.5400%
Net to Gross Multiplier	127.3237%

Tax Liability x Gross-up Factor [($411 + $750) x 1.273237]	$ 1,478

Staff Exhibit No. 106
Case No. SWS-W-06-1
Staff Comments
04/27/07

consumption, and use patterns as well as a discussion of the tariff changes proposed by both the Company and the Staff follows.

System Description

Among small water companies, the Stoneridge Water System (SWS) is unique in the wide variety of customers it serves. First, the customers are divided between a rural residential group and a group of resort customers, the Happy Valley Ranchos (HVR) residents and the Stoneridge Resort (SR) customers respectively. These two groups are also separated in location by about one-half mile. As a group, the HVR customers are solely residential, consisting of 101 single-family residential customers. The SR customers consist of:

- 101 ~~99~~ single family residential customers each served by a ¾ inch meters,
- 12 condominium units served by three 1 ½ inch meters,
- 1 recreation center for the condominium units served by a 1 ½ inch meter,
- 37 ~~112~~ motor coach units served by a ~~6 inch meter~~ 2" → To be 2"
- 148 time share units served by four ~~3~~ inch meters,
- 1 irrigation system for the time share units served by a 3 inch meter,
- 1 recreation center for the time share units served by a 3 inch meter,
- 1 pro-shop/restaurant commercial customer served by a 1 inch meter,
- 3 commercial customers (resort sales, events & Maintenance), each with a ¾ inch meter,
- 1 recreation center for the resort served by a ¾ inch meter, and
- 1 golf course irrigation customer served by a 6-inch meter.

The total number of metered customers is ~~481~~. 404

The system consists of 66,305 feet of 2 inch to 12 inch mains and branches, two operating wells (1,000 gpm and 600 gpm), one above ground 325,000 gallon concrete storage tank, two buried 10,000 gallon each steel storage tanks, four buried 3,000 gallon each concrete storage tanks, a booster pump station, chlorination systems and various valves and controls. Upon inspection, the system appeared to be of sound design, good condition and well maintained.

Water Consumption and Use Patterns

The key differences in water usage patterns between a residential and a resort community are made evident by the monthly usage patterns of the two residential groups, HVR and SR, and by the relatively large use for golf course irrigation. These differences in water use patterns are cause for considering some minor differences in tariff structure.

One of DEQ's loan requirements is that the debtor must collect 20% of an annual payment for the first five (5) years of the loan. This premium is held in a reserve account and at the end of the loan amortization, will be used to make the last annual payment on the loan.

The annual interest and principle payment on the Phase I loan is $16,818, and the premium payment for reserve for the first five (5) years is $3,364. Staff is recommending that the HVR customers pay a surcharge on the Phase I loan for the first five (5) years in the amount of $16.64 per month, and then pay a surcharge for years six (6) through nineteen (19) in the amount of $13.87. If this surcharge is collected in this manner, the Company will be able to cash flow the loan payments to DEQ from the revenues collected from the customers.

Schedule of Surcharge Amount for HVR Customers for Phase I Loan		
Principle Loan		
	Loan Amount	$278,000
	Interest Rate	2%
	Loan Term	20 years
	Number of Customers	101
	Annual Amortization Payment	$17,002
	Annual Payment per Customer	$168.34
	Monthly Payment per Customer	$14.03
Reserve Premium		
	Total Reserve Requirement	$17,002
	Term for Collection	5 years
	Annual Reserve Amount	$3,400
	Annual Reserve Payment Per Cust.	$33.67
	Monthly Reserve Payment per Cust.	$2.81
Total Monthly Surcharge per Customer		$16.83

Check of IPUC Rate Analysis

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5/4/2007

CDS Stoneridge Utilities LLC

Water Customers

Consumption - Gallons

Acct #	Sys	Unit Size	2006 JAN.	2006 FEB	2006 MAR	2006 APR	2005 MAY	2005 JUN	2005 JUL	2005 AUG	2005 SEP	2005 OCT.	2005 NOV.	2005 DEC	12 Month Totals	Meter size
240	SR	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5/8 x 3/4
243	SR	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5/8 x 3/4
	SR	1													0	5/8 x 3/4
	MC	37					14337.5	28675	28675	28675	14337.5				114700	6
	com	1	25000	25000	25000	25000	50000	50000	50000	100000	50000	25000	25000	50000	500000	1.00
	com	1	5000	5000	5000	5000	10000	10000	10000	20000	10000	5000	5000	10000	100000	5/8 x 3/4
	com	1	5000	5000	5000	5000	10000	10000	10000	20000	10000	5000	5000	10000	100000	1.5
52	com	1	1990	3040	2760	3360	2700	34640	31590	65540	54970	38850	2780	1730	243950	5/8 x 3/4
53	com	1	3600	1920	520	1240	29100	14500	6160	8730	12260	7040	4460	7230	96760	5/8 x 3/4
	irr	1	0	0	0	0	4500000	12000000	13500000	13500000	4500000	0	0	0	48000000	6.00
															0	
															0	
35	TS	34	42000	48400	16300	91000	57000	91000	154000	245000	255000	131000	60000	40000	1230700	3.00
36	TS	38	44000	12000	45000	62000	52000	76000	109000	152000	121000	98000	56000	49000	876000	3.00
37	TS	38	28000	33000	7000	59000	45000	65000	99000	137000	113000	89000	54000	46000	775000	3.00
38	TS	38	43000	49000	46000	21000	60000	81000	94000	152000	125000	110000	68000	41000	890000	3.00
39	com	1	75000	71000	50000	75000	128000	66000	78000	93000	55000	44000	41000	89000	865000	3.00
55	com	1	2400	14500	15500	21600	0	1900	77400	163500	151400	34300	1500	1000	485000	3.00

TOTAL			Sys HVR	Sys SR	Sys com	Sys TS	Sys irr	Sys MC							
	SR	109													7,205,100
	HVR	101													9,091,790
	TS	148													3,771,700
	com	8													2,453,340
	irr	1													48,000,000
	MC	37													114,700
	All	404													70,636,630

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Check of IPUC Rate Analysis

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5/4/2007

CDS Stoneridge Utilities LLC

Water Customers

Monthly Billing - $

Acct. #	Sys	Unit Size	2006 JAN.	2006 FEB	2006 MAR	2006 APR	2005 MAY	2005 JUN	2005 JUL	2005 AUG	2005 SEP	2005 OCT.	2005 NOV.	2005 DEC	12 Month Totals
243	SR	1	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 217.20
	SR	1	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 18.10	$ 217.20
	MC	1	$ 1,158.40	$ 1,158.40	$ 1,158.40	$ 1,158.40	$ 1,166.00	$ 1,173.60	$ 1,173.60	$ 1,173.60	$ 1,166.00	$ 1,158.40	$ 1,158.40	$ 1,158.40	$13,961.59
	com	1	$ 45.43	$ 45.43	$ 45.43	$ 45.43	$ 58.68	$ 58.68	$ 58.68	$ 85.18	$ 58.68	$ 45.43	$ 45.43	$ 58.68	$ 651.16
	com	1	$ 20.75	$ 20.75	$ 20.75	$ 20.75	$ 23.40	$ 23.40	$ 23.40	$ 28.70	$ 23.40	$ 20.75	$ 20.75	$ 23.40	$ 270.20
	com	1	$ 75.05	$ 75.05	$ 75.05	$ 75.05	$ 77.70	$ 77.70	$ 77.70	$ 83.00	$ 77.70	$ 75.05	$ 75.05	$ 77.70	$ 921.80
52	com	1	$ 19.15	$ 19.71	$ 19.56	$ 19.88	$ 19.53	$ 36.46	$ 34.84	$ 52.84	$ 47.23	$ 38.69	$ 19.57	$ 19.02	$ 346.49
53	com	1	$ 20.01	$ 19.12	$ 18.38	$ 18.76	$ 33.52	$ 25.79	$ 21.36	$ 22.73	$ 24.60	$ 21.83	$ 20.46	$ 21.93	$ 268.48
	irr	1	$ 1,158.40	$ 1,158.40	$ 1,158.40	$ 1,158.40	$ 3,318.40	$ 6,918.40	$ 7,638.40	$ 7,638.40	$ 3,318.40	$ 1,158.40	$ 1,158.40	$ 1,158.40	$ 36,941
35	TS	1	$ 311.86	$ 315.25	$ 298.24	$ 337.83	$ 319.81	$ 337.83	$ 371.22	$ 419.45	$ 424.75	$ 359.03	$ 321.40	$ 310.80	$ 4,127
36	TS	1	$ 312.92	$ 295.96	$ 313.45	$ 322.46	$ 317.16	$ 329.88	$ 347.37	$ 370.16	$ 353.73	$ 341.54	$ 319.28	$ 315.57	$ 3,939
37	TS	1	$ 304.44	$ 307.09	$ 293.31	$ 320.87	$ 313.45	$ 324.05	$ 342.07	$ 362.21	$ 349.49	$ 336.77	$ 318.22	$ 313.98	$ 3,886
38	TS	1	$ 312.39	$ 315.57	$ 313.98	$ 300.73	$ 321.40	$ 332.53	$ 339.42	$ 370.16	$ 355.85	$ 347.90	$ 325.64	$ 311.33	$ 3,947
39	com	1	$ 329.35	$ 327.23	$ 316.10	$ 329.35	$ 357.44	$ 324.58	$ 330.94	$ 338.89	$ 318.75	$ 312.92	$ 311.33	$ 336.77	$ 3,934
55	com	1	$ 290.87	$ 297.29	$ 297.82	$ 301.05	$ 289.60	$ 290.61	$ 330.62	$ 376.26	$ 369.84	$ 307.78	$ 290.40	$ 290.13	$ 3,732

TOTAL			Sys HVR	Sys SR	Sys com	Sys TS	Sys irr	Sys MC							
	SR	101													28,613
	HVR	101													26,756
	TS	4													15,900
	com	7													10,124
	irr	1													36,941
	MC	1													13,962
	All	215													132,295

Gross income

Overage Rate	0.53	$/1000 gal
Base Gallons	-	gallons
Irr Overage Rate	0.48	$/1000 gal
HVR Sur$	0	$/mo

IPUC Rate

dia		18.1	mo$
5/8 x 3/4	0.4415625	1.00	$ 18.10
1	0.785	1.78	$ 32.18
1.5	1.76625	4.00	$ 72.40
2	3.14	7.11	$ 128.71
2.5	4.90625	11.11	$ 201.11
3	7.065	16.00	$ 289.60
4	12.56	28.44	$ 514.84
6	28.26	64.00	$ 1,158.40

IPUC Rate

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IPUC Rate Analysis with changed meter size & Irrigation winter Disconnect

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5/4/2007

CDS Stoneridge Utilities LLC

Water Customers

Consumption - Gallons

Acct #	Sys	Unit Size	2006 JAN.	2006 FEB	2006 MAR	2006 APR	2005 MAY	2005 JUN	2005 JUL	2005 AUG	2005 SEP	2005 OCT.	2005 NOV.	2005 DEC	12 Month Totals	Meter size
243	SR	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5/8 x 3/4
	SR	1													0	5/8 x 3/4
	MC	37					14337.5	28675	28675	28675	14337.5				114700	2
	com	1	25000	25000	25000	25000	50000	50000	50000	100000	50000	25000	25000	50000	500000	1.00
	com	1	5000	5000	5000	5000	10000	10000	10000	20000	10000	5000	5000	10000	100000	5/8 x 3/4
	com	1	5000	5000	5000	5000	10000	10000	10000	20000	10000	5000	5000	10000	100000	1.5
52	com	1	1990	3040	2760	3360	2700	34640	31590	65540	54970	38850	2780	1730	243950	5/8 x 3/4
53	com	1	3600	1920	520	1240	29100	14500	6160	8730	12260	7040	4460	7230	96760	5/8 x 3/4
	irr	1	0	0	0	0	4500000	12000000	13500000	13500000	4500000	0	0	0	48000000	6.00
															0	
															0	
35	TS	34	42000	48400	16300	91000	57000	91000	154000	245000	255000	131000	60000	40000	1230700	2.00
36	TS	38	44000	12000	45000	62000	52000	76000	109000	152000	121000	98000	56000	49000	876000	2.00
37	TS	38	28000	33000	7000	59000	45000	65000	99000	137000	113000	89000	54000	46000	775000	2.00
38	TS	38	43000	49000	46000	21000	60000	81000	94000	152000	125000	110000	68000	41000	890000	2.00
39	com	1	75000	71000	50000	75000	128000	66000	78000	93000	55000	44000	41000	89000	865000	2.00
55	com	1	2400	14500	15500	21600	0	1900	77400	163500	151400	34300	1500	1000	485000	2.00

TOTAL			Sys HVR	Sys SR	Sys com	Sys TS	Sys irr	Sys MC							
	SR	109													7,205,100
	HVR	101													9,091,790
	TS	148													3,771,700
	com	8													2,453,340
	irr	1													48,000,000
	MC	37													114,700
	All	404													70,636,630

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IPUC Rate Analysis with changed meter size & Irrigation winter Disconnect

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5/4/2007

CDS Stoneridge Utilities LLC

Water Customers

Monthly Billing - $

Acct. #	Sys	Unit	Size	2006 JAN.	2006 FEB	2006 MAR	2006 APR	2005 MAY	2005 JUN	2005 JUL	2005 AUG	2005 SEP	2005 OCT.	2005 NOV.	2005 DEC	12 Month Totals
243	SR	1		$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 384.00
	SR	1		$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 32.00	$ 384.00
	MC	1						$ 235.16	$ 242.76	$ 242.76	$ 242.76	$ 235.16				$ 1,198.59
	com	1		$ 70.14	$ 70.14	$ 70.14	$ 70.14	$ 83.39	$ 83.39	$ 83.39	$ 109.89	$ 83.39	$ 70.14	$ 70.14	$ 83.39	$ 947.68
	com	1		$ 34.65	$ 34.65	$ 34.65	$ 34.65	$ 37.30	$ 37.30	$ 37.30	$ 42.60	$ 37.30	$ 34.65	$ 34.65	$ 37.30	$ 437.00
	com	1		$ 130.65	$ 130.65	$ 130.65	$ 130.65	$ 133.30	$ 133.30	$ 133.30	$ 138.60	$ 133.30	$ 130.65	$ 130.65	$ 133.30	$ 1,589.00
52	com	1		$ 33.05	$ 33.61	$ 33.46	$ 33.78	$ 33.43	$ 50.36	$ 48.74	$ 66.74	$ 61.13	$ 52.59	$ 33.47	$ 32.92	$ 513.29
53	com	1		$ 33.91	$ 33.02	$ 32.38	$ 32.66	$ 47.42	$ 39.69	$ 35.26	$ 36.63	$ 38.50	$ 35.73	$ 34.96	$ 35.83	$ 435.28
	irr	1						$ 4,208.00	$ 7,808.00	$ 8,528.00	$ 8,528.00	$ 4,208.00				$ 33,280
35	TS	1		$ 249.82	$ 253.21	$ 236.20	$ 275.79	$ 257.77	$ 275.79	$ 309.18	$ 357.41	$ 362.71	$ 296.99	$ 259.36	$ 248.76	$ 3,383
36	TS	1		$ 250.88	$ 233.92	$ 251.41	$ 260.42	$ 255.12	$ 267.84	$ 285.33	$ 308.12	$ 291.69	$ 279.50	$ 257.24	$ 253.53	$ 3,195
37	TS	1		$ 242.40	$ 245.05	$ 231.27	$ 258.83	$ 251.41	$ 262.01	$ 280.03	$ 300.17	$ 287.45	$ 274.73	$ 256.18	$ 251.94	$ 3,141
38	TS	1		$ 250.35	$ 253.53	$ 251.94	$ 238.69	$ 259.36	$ 270.49	$ 277.38	$ 308.12	$ 293.81	$ 285.86	$ 263.60	$ 249.29	$ 3,202
39	com	1		$ 267.31	$ 265.19	$ 254.06	$ 267.31	$ 295.40	$ 262.54	$ 268.90	$ 276.85	$ 256.71	$ 250.88	$ 249.29	$ 274.73	$ 3,189
55	com	1		$ 228.83	$ 235.25	$ 235.78	$ 239.01	$ 227.56	$ 228.57	$ 268.58	$ 314.22	$ 307.80	$ 245.74	$ 228.36	$ 228.09	$ 2,988

TOTAL			Sys HVR	Sys SR	Sys com	Sys TS	Sys irr	Sys MC							
	SR	101													47,628
	HVR	101													43,603
	TS	4													12,922
	com	7													10,099
	irr	1													33,280
	MC	1													1,199
	All	215													148,730

Overage Rate	0.53	$/1000 gal
Base Gallons	-	gallons
Irr Overage Rate	0.48	$/1000 gal
HVR Sur$	0	$/mo

dia		~~32~~	mo$
5/8 x 3/4	0.4415625	1.00	$ 32.00
1	0.785	1.78	$ 56.89
1.5	1.76625	4.00	$ 128.00
2	3.14	7.11	$ 227.56
2.5	4.90625	11.11	$ 355.56
3	7.065	16.00	$ 512.00
4	12.56	28.44	$ 910.22
6	28.26	64.00	$ 2,048.00

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