

**APPENDIX A. EQUATIONS AND PARAMETER VALUES
USED IN THE ASSESSMENT OF RISKS AND RISK
REDUCTION BENEFITS**

Exhibit A-1. Risk Equation and Variable Definitions Used in Radon Risk Assessment

1. Risk Equations for Inhalation of Radon Progeny

$$\text{IR}(\text{prog}) = C_w * \text{TF} * \text{EF} * \text{OF} * 0.516 * \text{iRF}(\text{prog})$$

$$\text{PR}(\text{prog}) = \text{IR}(\text{prog}) * \text{Pop}$$

2. Risk Equations for Ingestion of Radon Gas in Drinking Water

$$\text{IR}(\text{ingest}) = C_w * V * F * 365 * \text{oRF}$$

$$\text{PR}(\text{ingest}) = \text{IR}(\text{ingest}) * \text{Pop}$$

3. Risk Equations for Inhalation of Radon Gas

$$\text{IR}(\text{gas}) = C_w * \text{TF} * \text{BR} * 24 * \text{OF} * 365 * \text{iRF}(\text{gas})$$

$$\text{PR}(\text{gas}) = \text{IR}(\text{gas}) * \text{Pop}$$

4. Equation for Total Population Risk

$$\text{PR}(\text{total}) = \text{Pr}(\text{prog}) + \text{PR}(\text{ingest}) + \text{PR}(\text{gas})$$

Variable Definitions

IR(prog)	Individual risk associated with inhalation of radon progeny, lifetime fatal cancer risk per year of exposure
PR(prog)	Population risk from inhalation of radon progeny, fatal cancers per year of exposure
IR(ingest)	Individual risk associated with ingestion of radon gas, lifetime fatal cancer risk per year of exposure
PR(ingest)	Population risk from ingestion of radon gas, fatal cancers per year of exposure
IR(gas)	Individual risk associated with inhalation of radon gas, lifetime fatal cancer risk per year of exposure
PR(gas)	Population risk from inhalation of radon gas, fatal cancers per year of exposure
PR(total)	Total population risk, fatal cancers per year of exposure
C _w	Radon activity level in water, pCi/l
TF	Transfer factor for domestic water use, pCi/l(air)/pCi/l(water)
EF	Equilibrium factor (unitless)
OF	Occupancy factor (unitless)
iRf (prog)	Risk Factor for inhalation of progeny, fatal cancer risk per wlm (working level month)
Pop	Population exposed
V	Volume of direct water ingestion, liters/day
F	Fraction of radon remaining in drinking water, unitless
oRf	Risk Factor for radon ingestion, fatal cancer risk per pCi
BR	Breathing rate, liters per hour
iRf(gas)	Risk Factor for inhalation of radon gas, fatal cancer risk per pCi

Simulation Parameters

Type of sampling	One-dimensional Latin Hypercube
Number of iterations	5 X 50,000
Seed numbers	First run = 1027; subsequent runs, chosen randomly by program

Exhibit A-2. Variable Values Used in Radon Risk Assessment

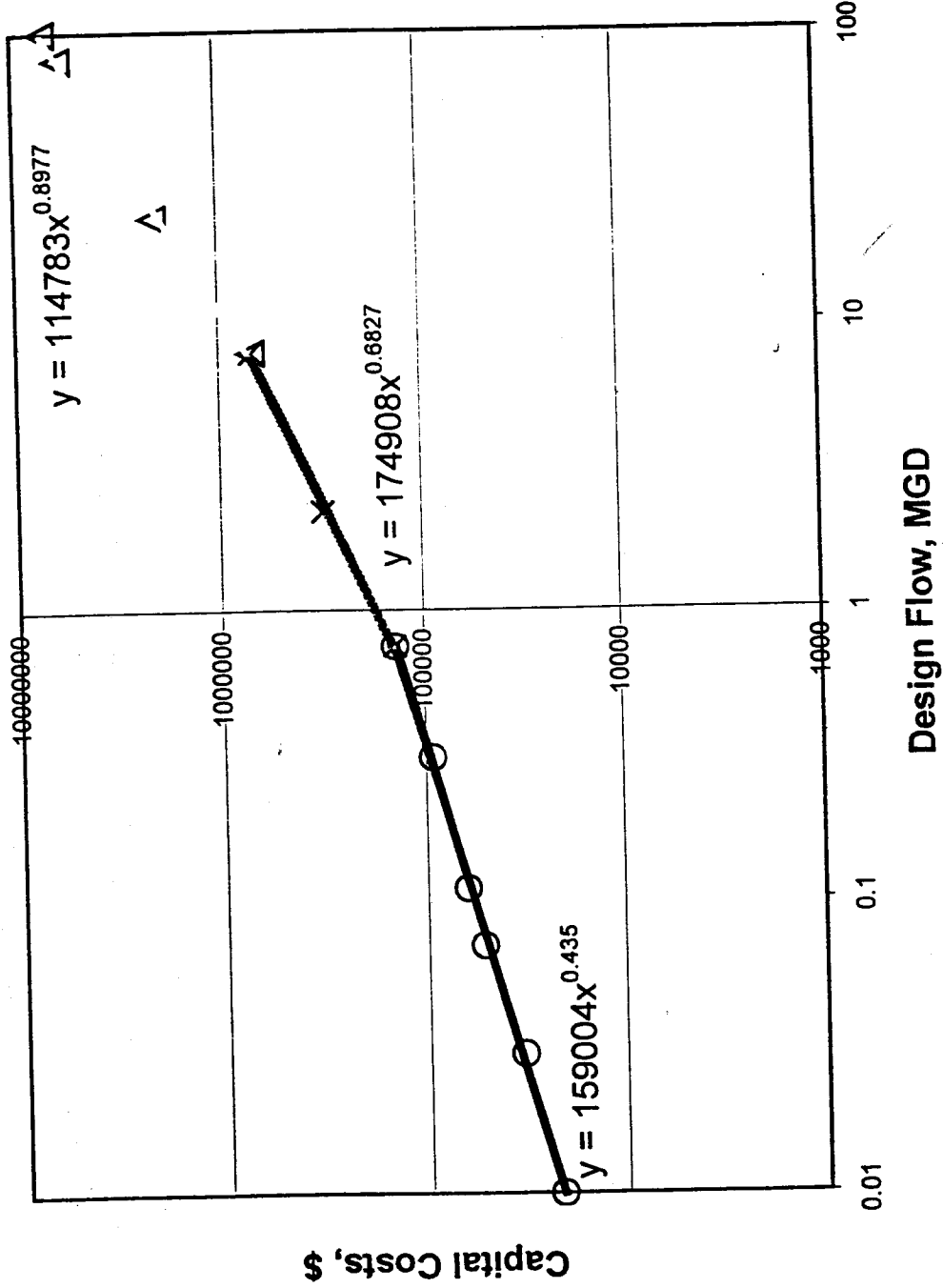
Variable	Distribution Type	Value		
Cw (baseline)	LN(gm, gsd) ¹	System Size	gm, pCi/l	gsd, pCi/l
		25-100	312	3.04
		101-500	259	3.31
		501-3,3300	122	3.22
		3,301-10,000	124	2.29
		>10,000	132	2.31
Cw(with maximum exposure limits)	Variable	If Cw(baseline) < limit, Cw(baseline)		
		If Cw(baseline) < 2*limit, Cw(baseline)/2		
		If Cw(baseline) < 5*limit, Cw(baseline)/5		
		If Cw(baseline) > 5*limit, Cw(baseline)/100		
Pop	Point estimates	System Size	Population	
		25-100	865,245	
		101-500	4,176,468	
		501-3,3300	14,239,295	
		3,301-10,000	14,542,812	
		>10,000	55,907,052	
TF	Point estimate	1.0×10^{-4} pCi/l(water)/pCi(air)		
EF	Point estimate	0.4 unitless		
OF	Point estimate	0.7 unitless		
V	Point estimate	0.6 liters/day		
F	Point estimate	1 unitless		
BR	Point estimate	22,000 liters/hour		
iRF(prog)	Point estimate	5.15×10^{-4} fatal cancer risk per wlm		
oRF(ingest)	Point estimate	4.25×10^{-12} fatal cancer risk per pCi		
iRF(gas)	Point estimate	1.52×10^{-13} fatal cancer risk per pCi		

1. LN = lognormal distribution, gm = geometric mean, gsd = geometric standard deviation

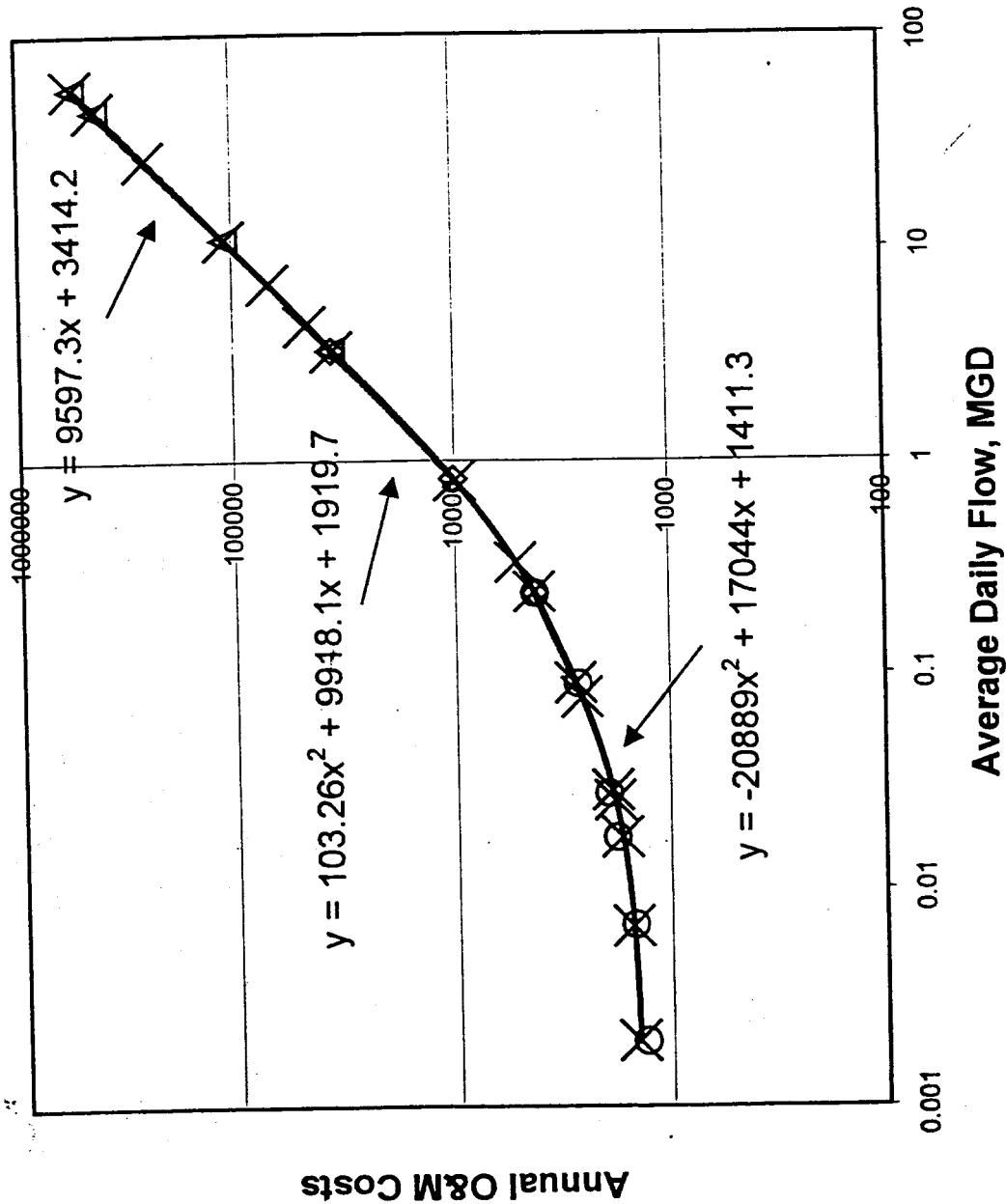
**APPENDIX B. COST CURVES FOR RADON REDUCTION AND
DISINFECTION TECHNOLOGIES**

PTA Capital Costs

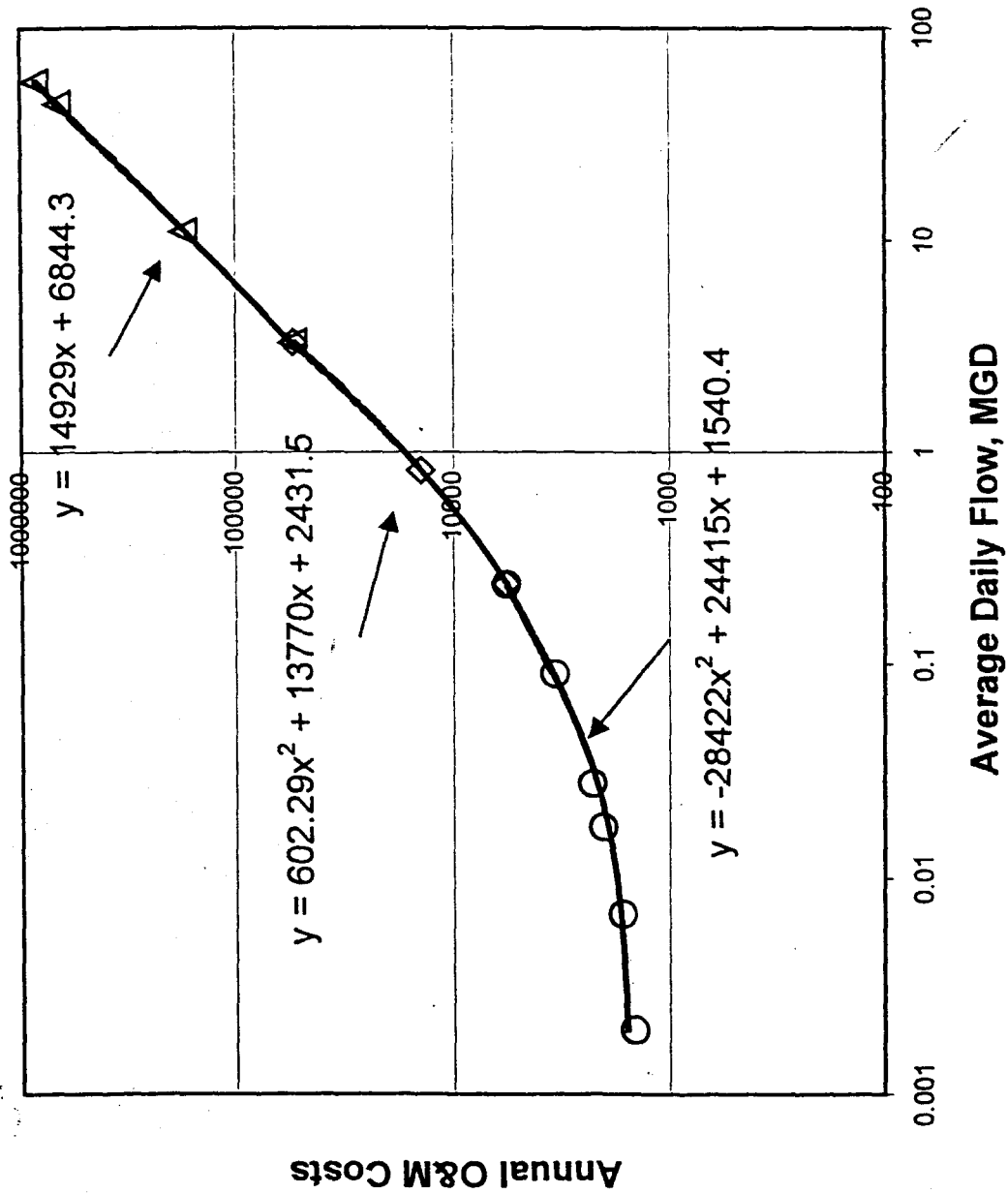
80 % Removal, 5 min. Detention



PTA O&M Costs, 80% Removal



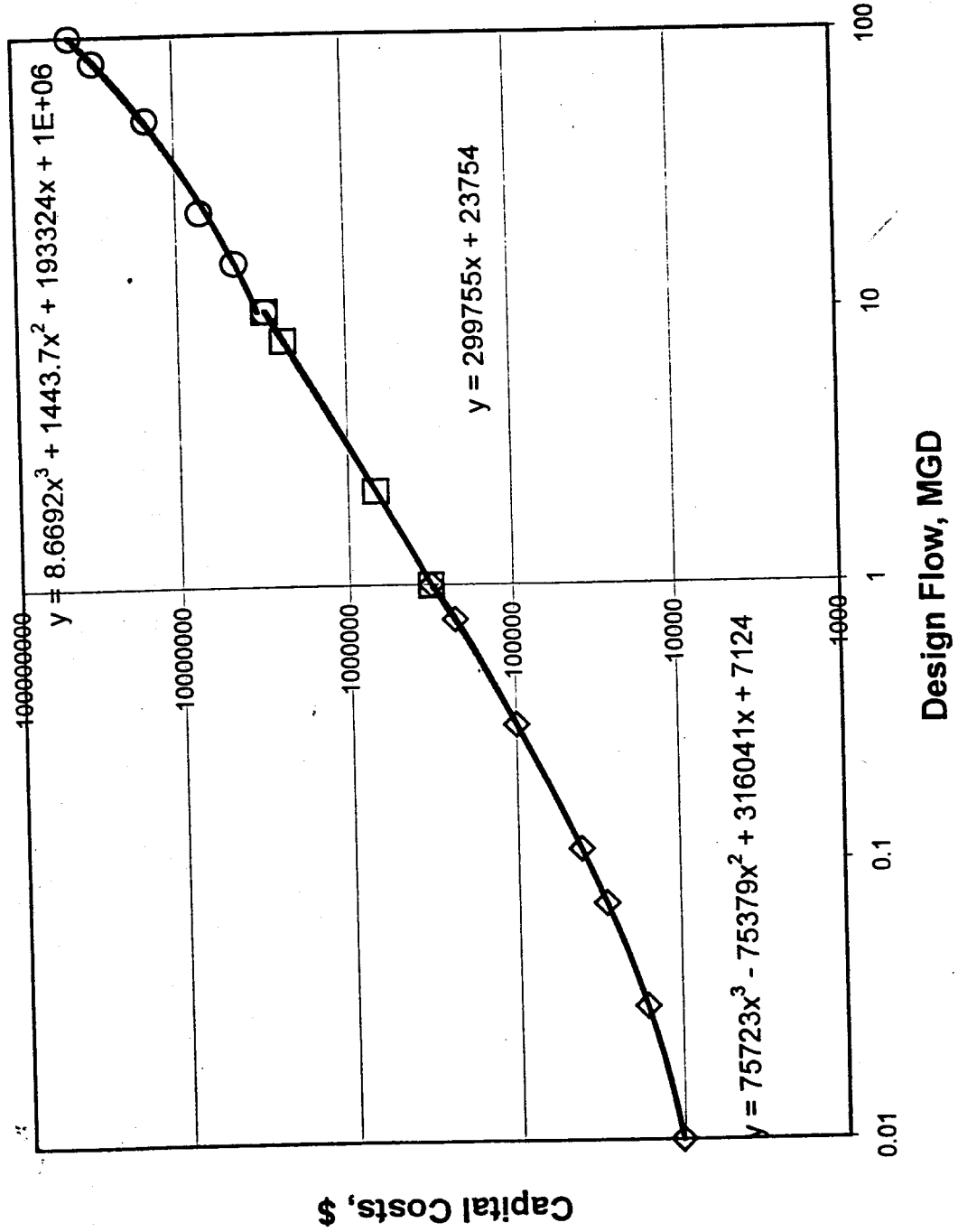
PTA O&M Costs, 99% Removal



Annual O&M Costs

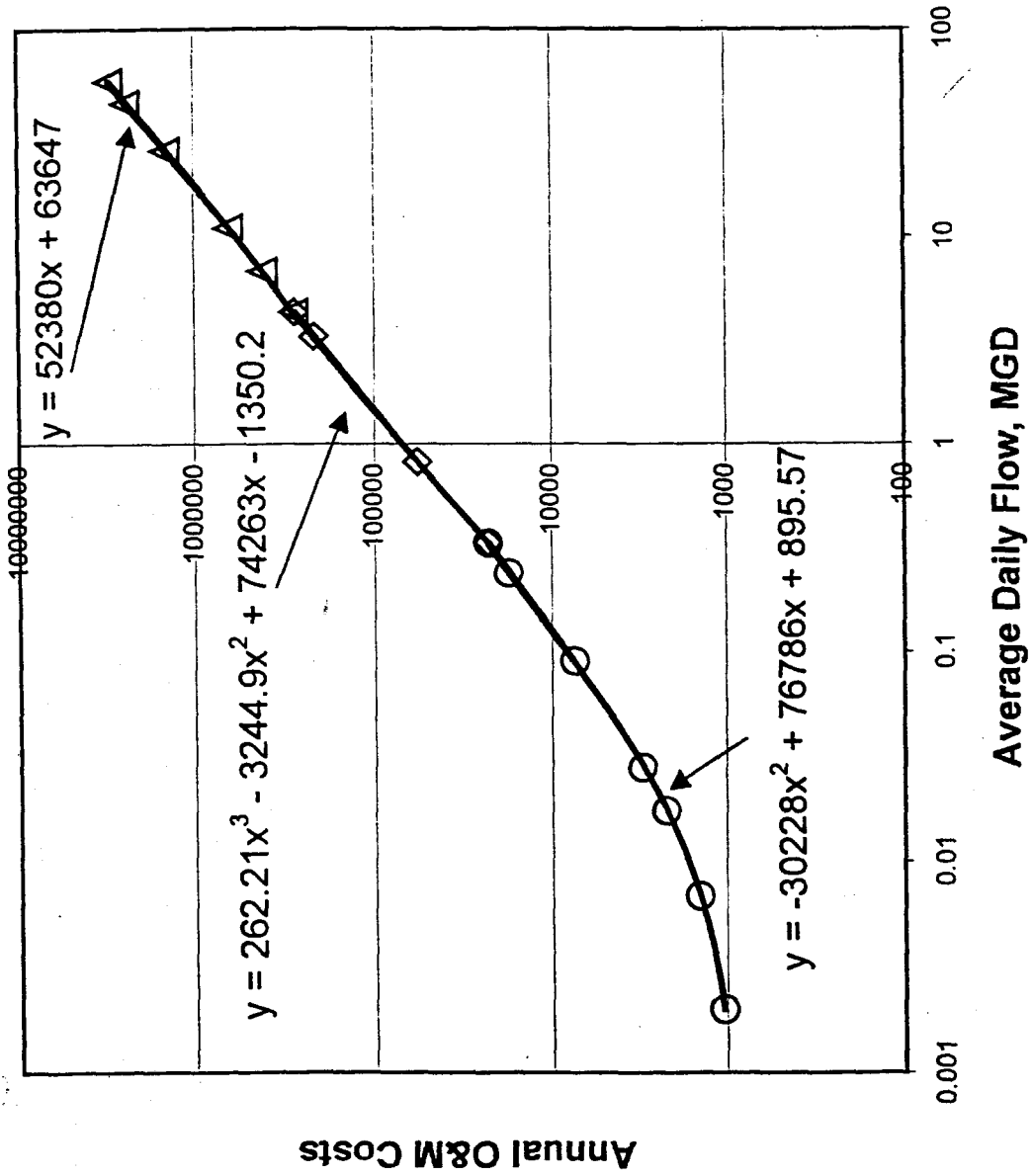
- < 0.33 MGD, Avg. daily
- ◇ 0.33 - 4.33 MGD, Avg. daily*
- △ > 4.33 MGD, , Avg. daily
- Poly. (< 0.33 MGD, Avg. daily)
- Poly. (0.33 - 4.33 MGD, Avg. daily**)
- Linear (> 4.33 MGD, , Avg. daily)

Diffused Aeration: Capital Costs, Treatment Only



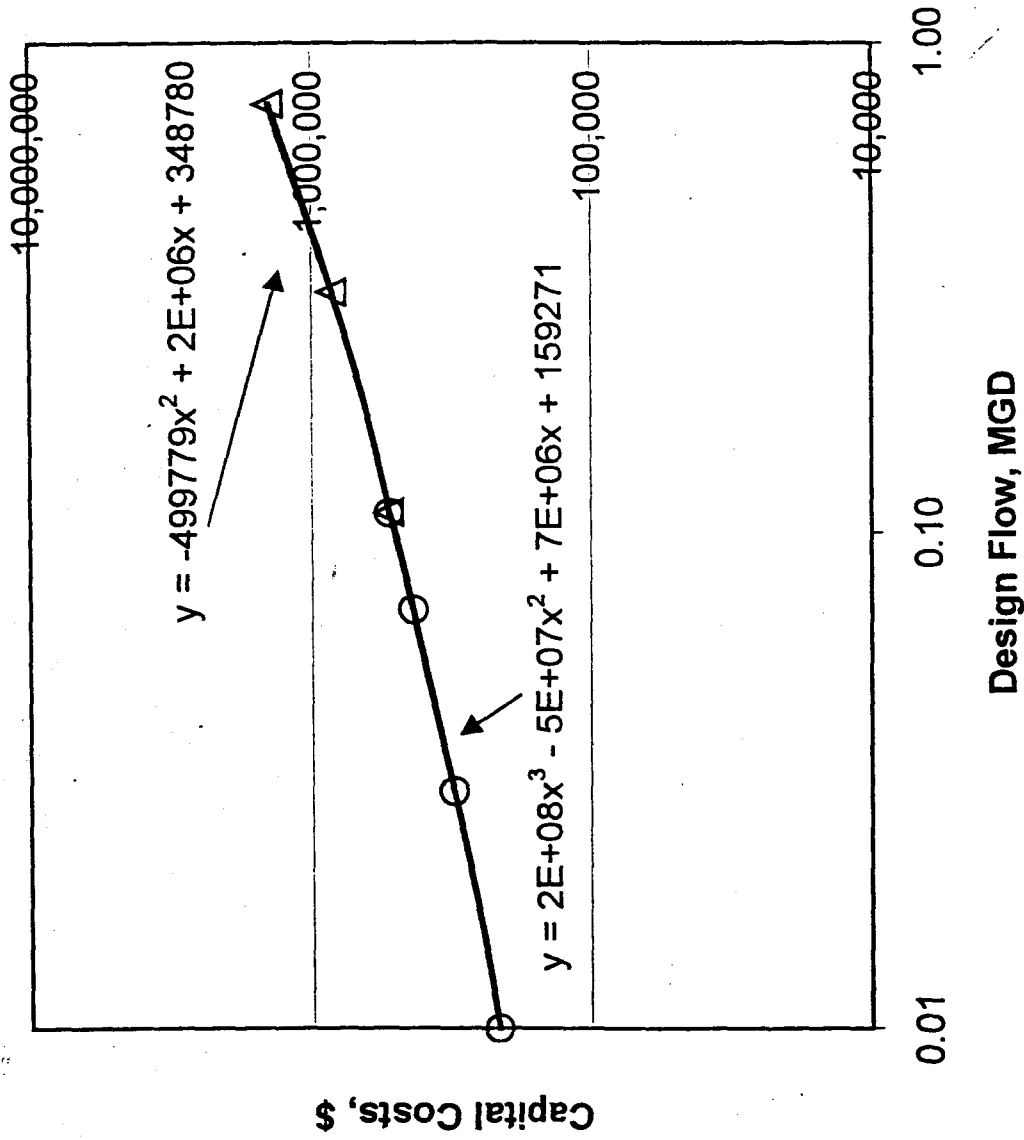
- ◇ 0.015 < Flow < 1.0
- 1.0 < Flow < 10
- 10 < Flow < 100
- Poly. (0.015 < Flow < 1.0)
- Linear (1.0 < Flow < 10)
- Poly. (10 < Flow < 100)

DA O&M Costs, 80% Removal



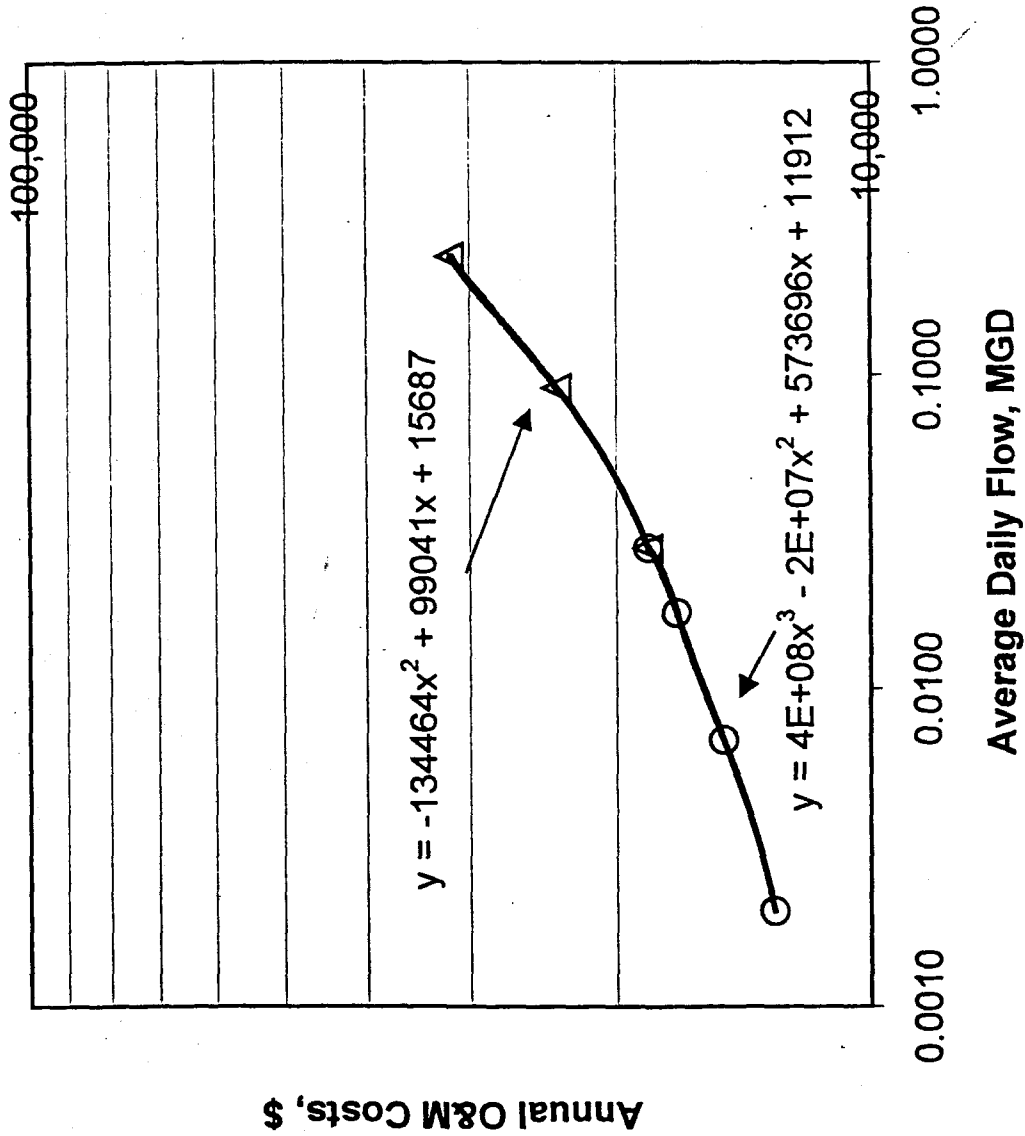
- < 0.33 MGD, Avg. daily flow
- ◇ 0.33 - 4.33 MGD, Avg. daily flow
- △ > 4.33 MGD, Avg. daily flow
- Poly. (< 0.33 MGD, Avg. daily flow)
- Poly. (0.33 - 4.33 MGD, Avg. daily flow)
- Linear (> 4.33 MGD, Avg. daily flow)

GAC Capital Costs, 50% removal



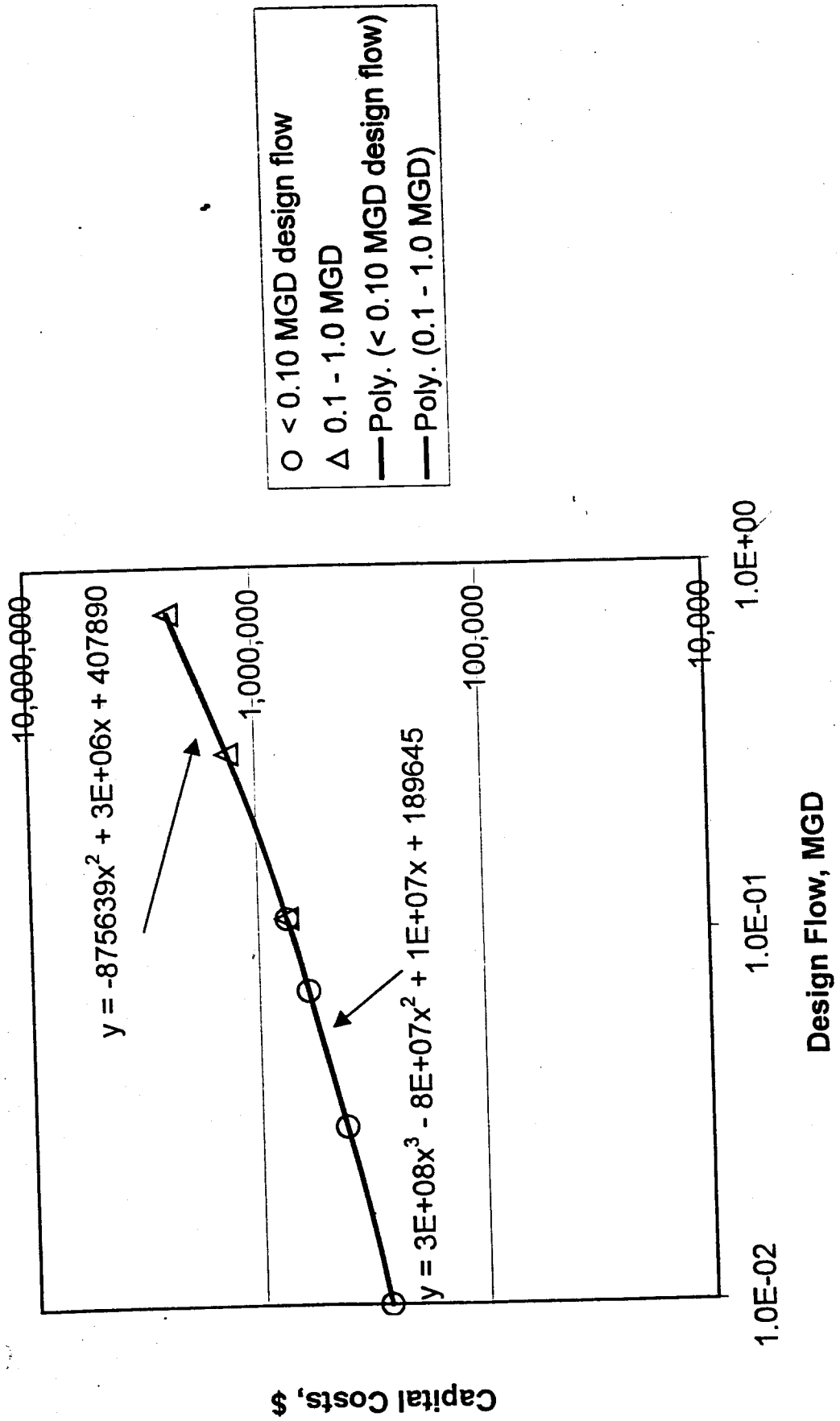
- < 0.10 MGD design flow
- △ 0.1 - 1.0 MGD
- Poly. (< 0.10 MGD design flow)
- Poly. (0.1 - 1.0 MGD)

GAC O&M Costs, 50% removal



- < 0.10 MGD design flow
- △ 0.1 - 1.0 MGD
- Poly. (< 0.10 MGD design flow)
- Poly. (0.1 - 1.0 MGD)

GAC Capital Costs, 80% removal



Capital Costs, \$

1.0E-02

1.0E-01

1.0E+00

Design Flow, MGD

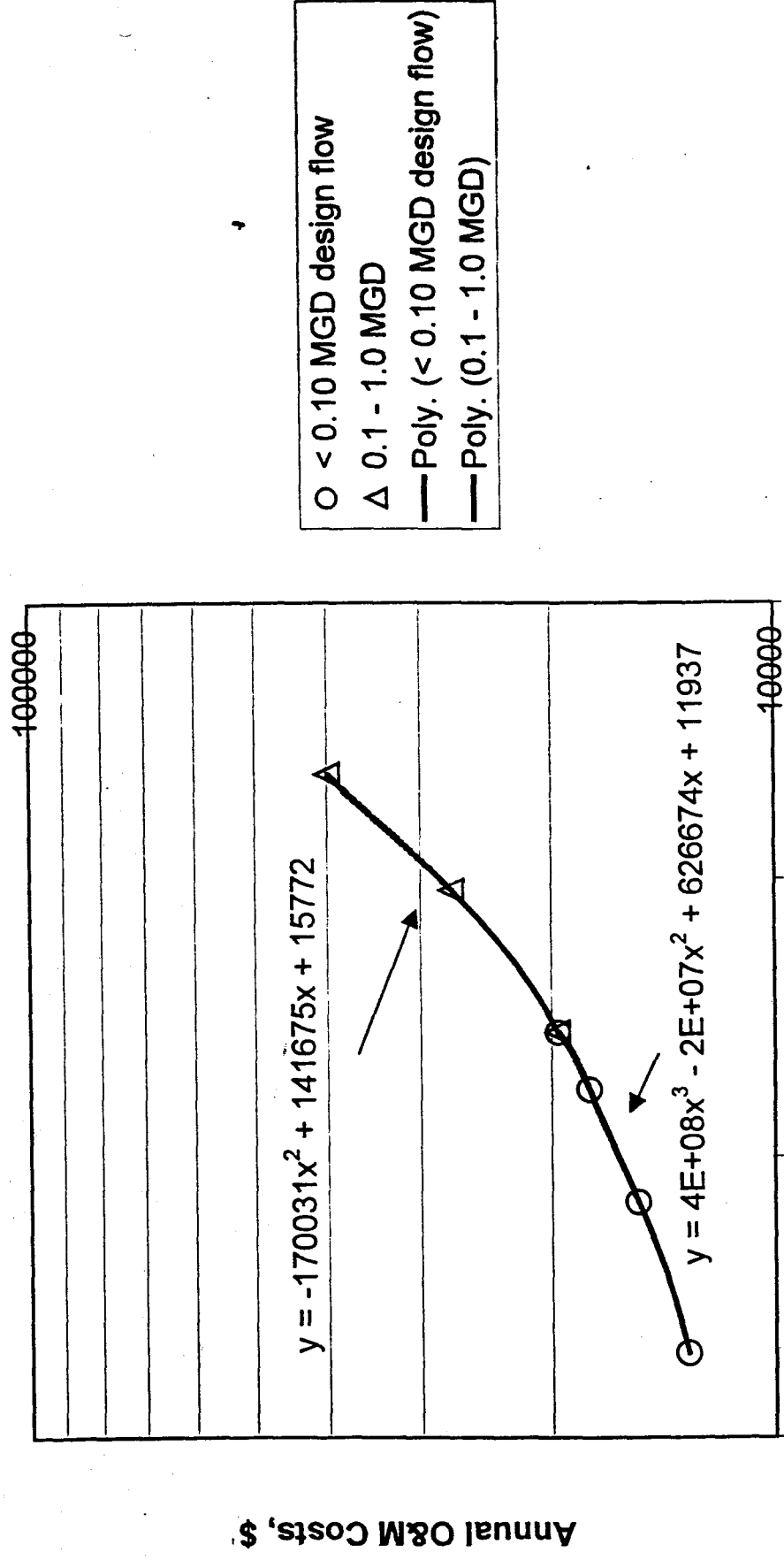
○ < 0.10 MGD design flow

△ 0.1 - 1.0 MGD

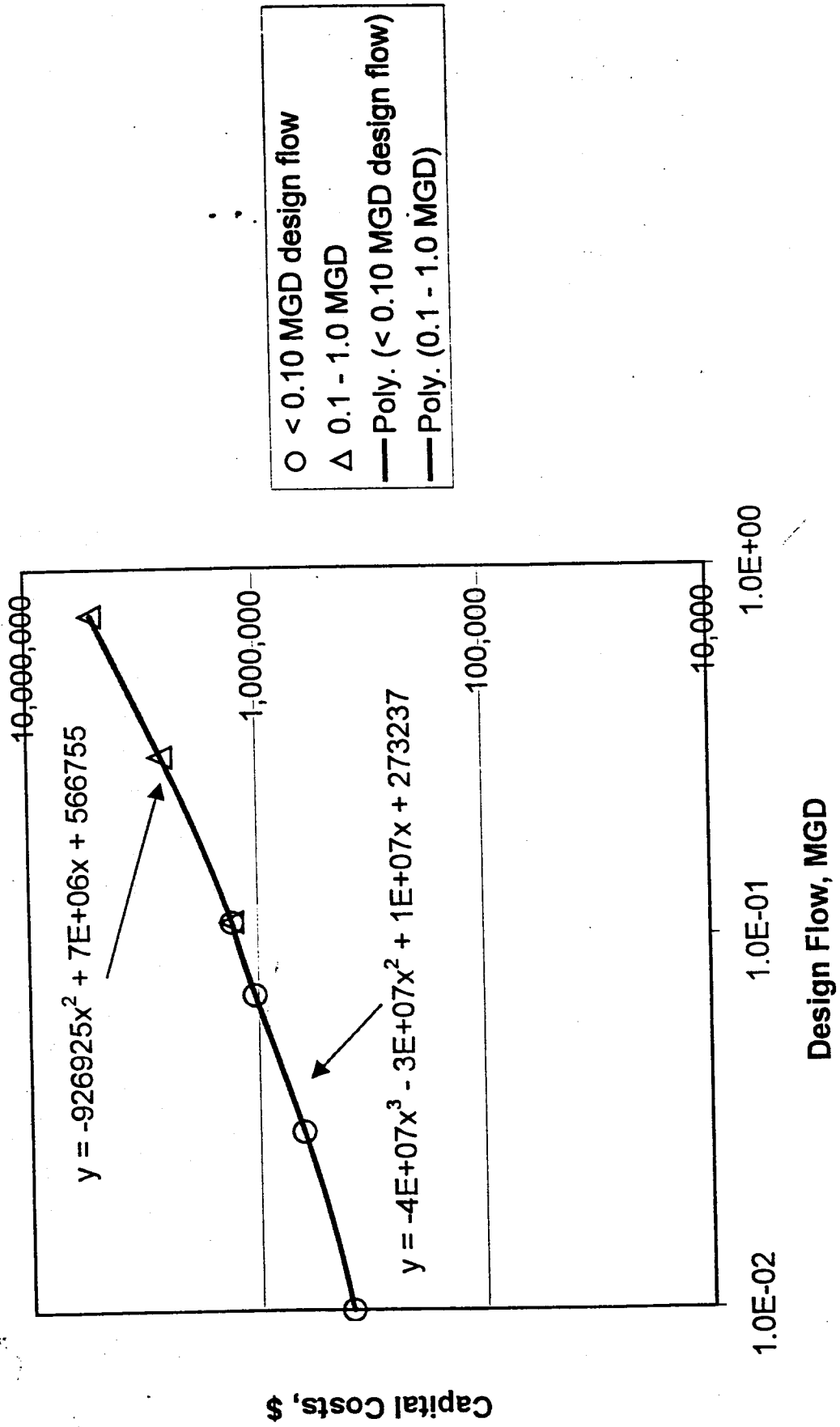
— Poly. (< 0.10 MGD design flow)

— Poly. (0.1 - 1.0 MGD)

GAC O&M Costs, 80% removal



GAC Capital Costs, 99% removal



Capital Costs, \$

1.0E-02

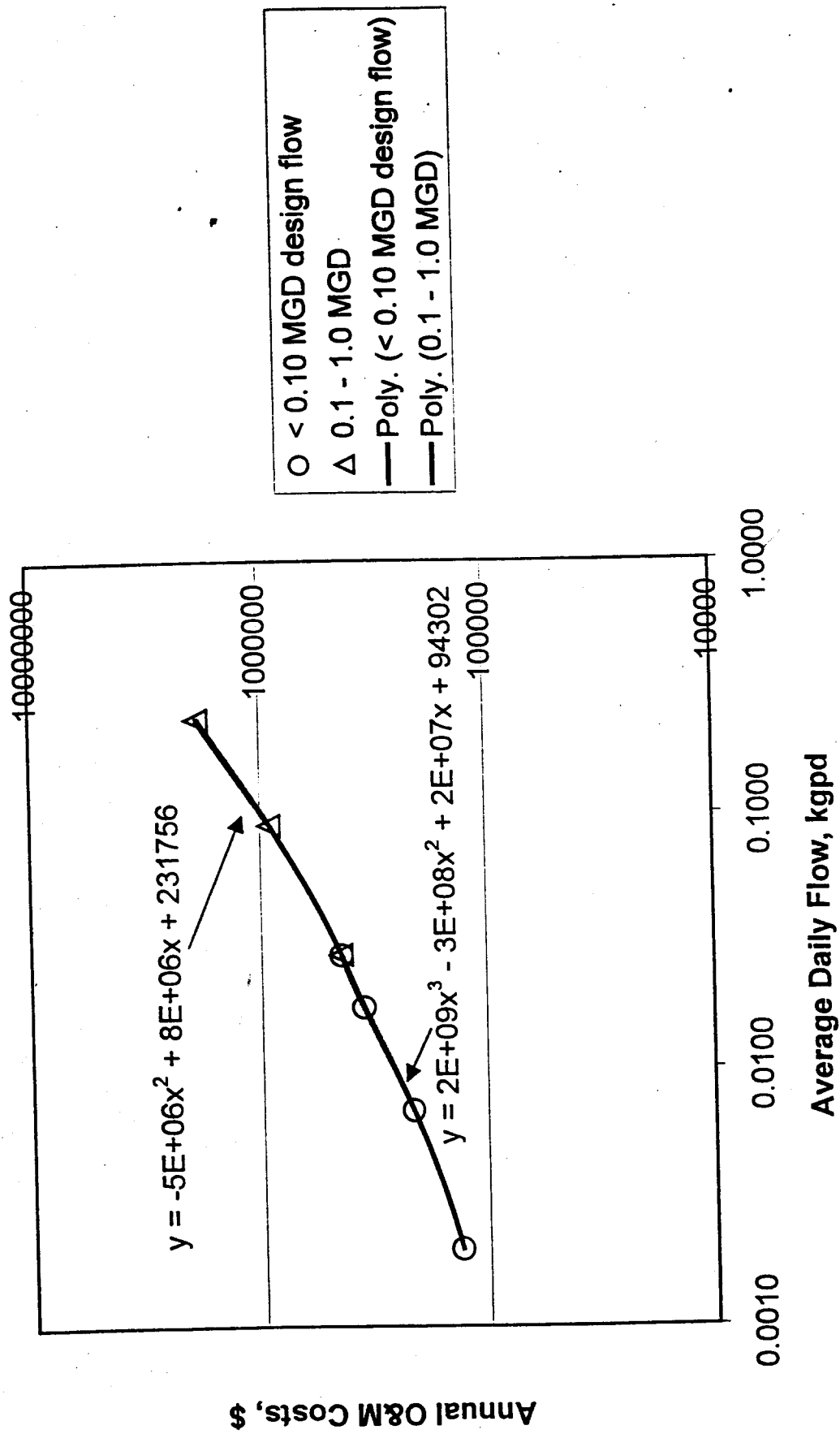
1.0E-01

1.0E+00

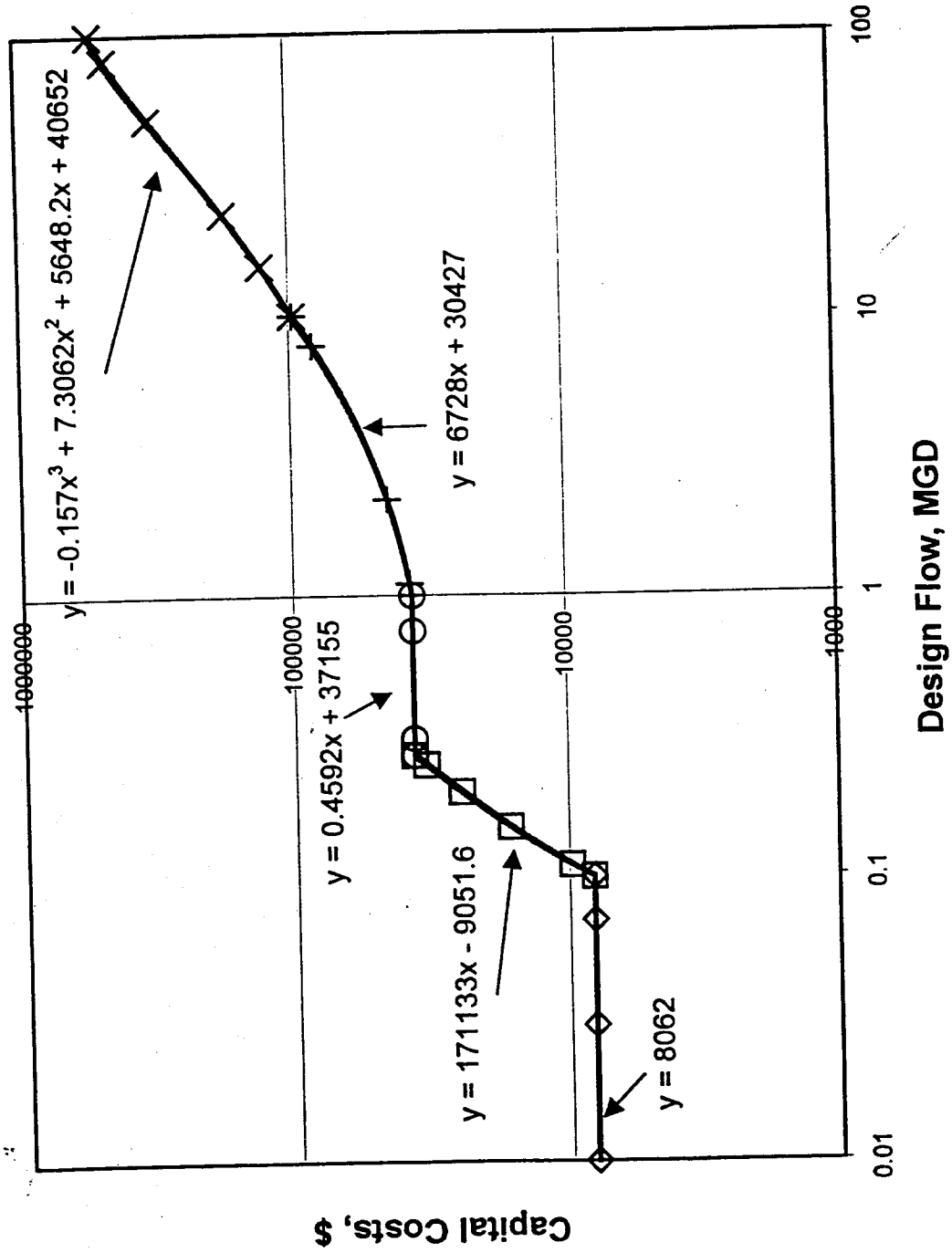
Design Flow, MGD

- < 0.10 MGD design flow
- △ 0.1 - 1.0 MGD
- Poly. (< 0.10 MGD design flow)
- Poly. (0.1 - 1.0 MGD)

GAC O&M Costs, 99% removal

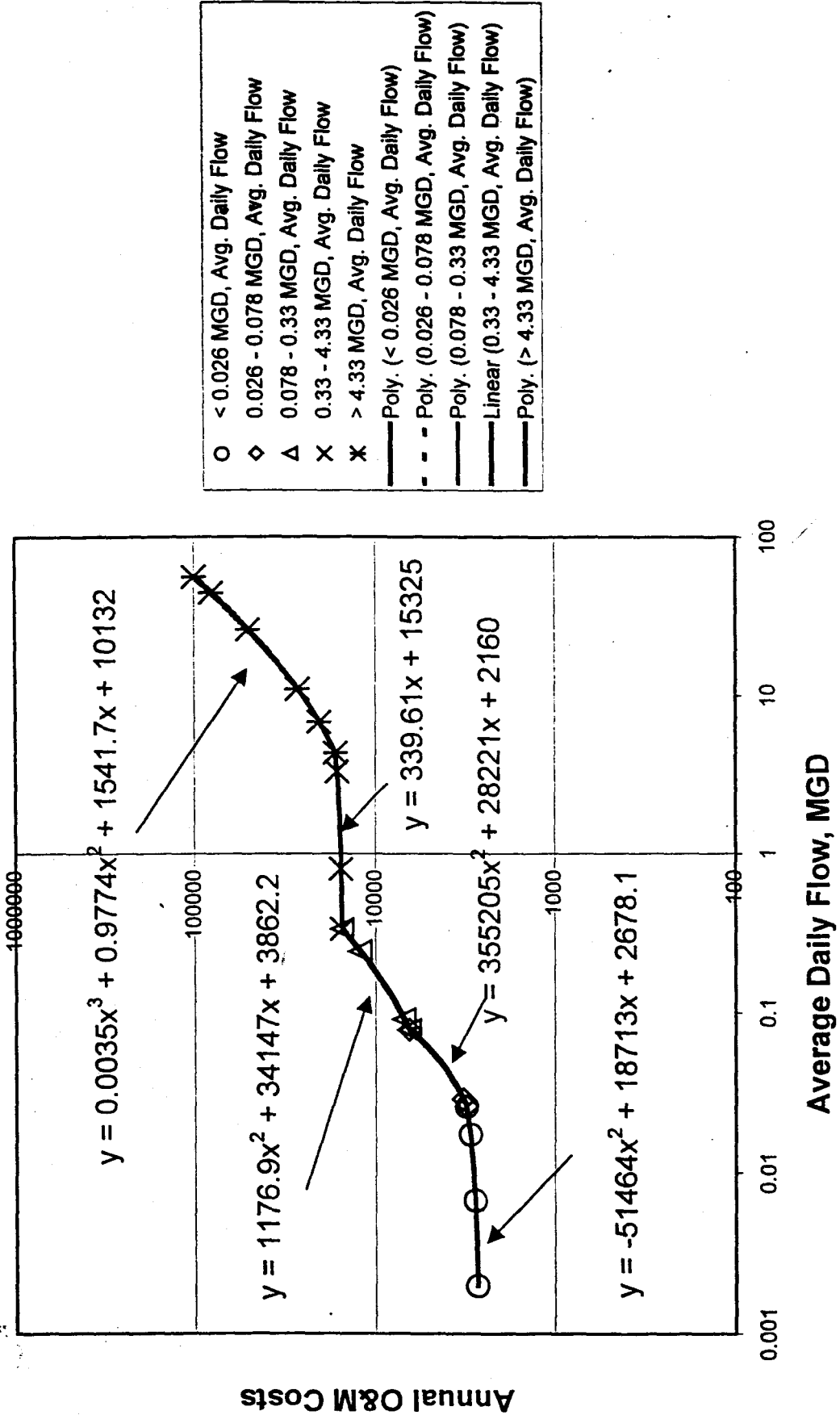


Chlorination Capital Costs



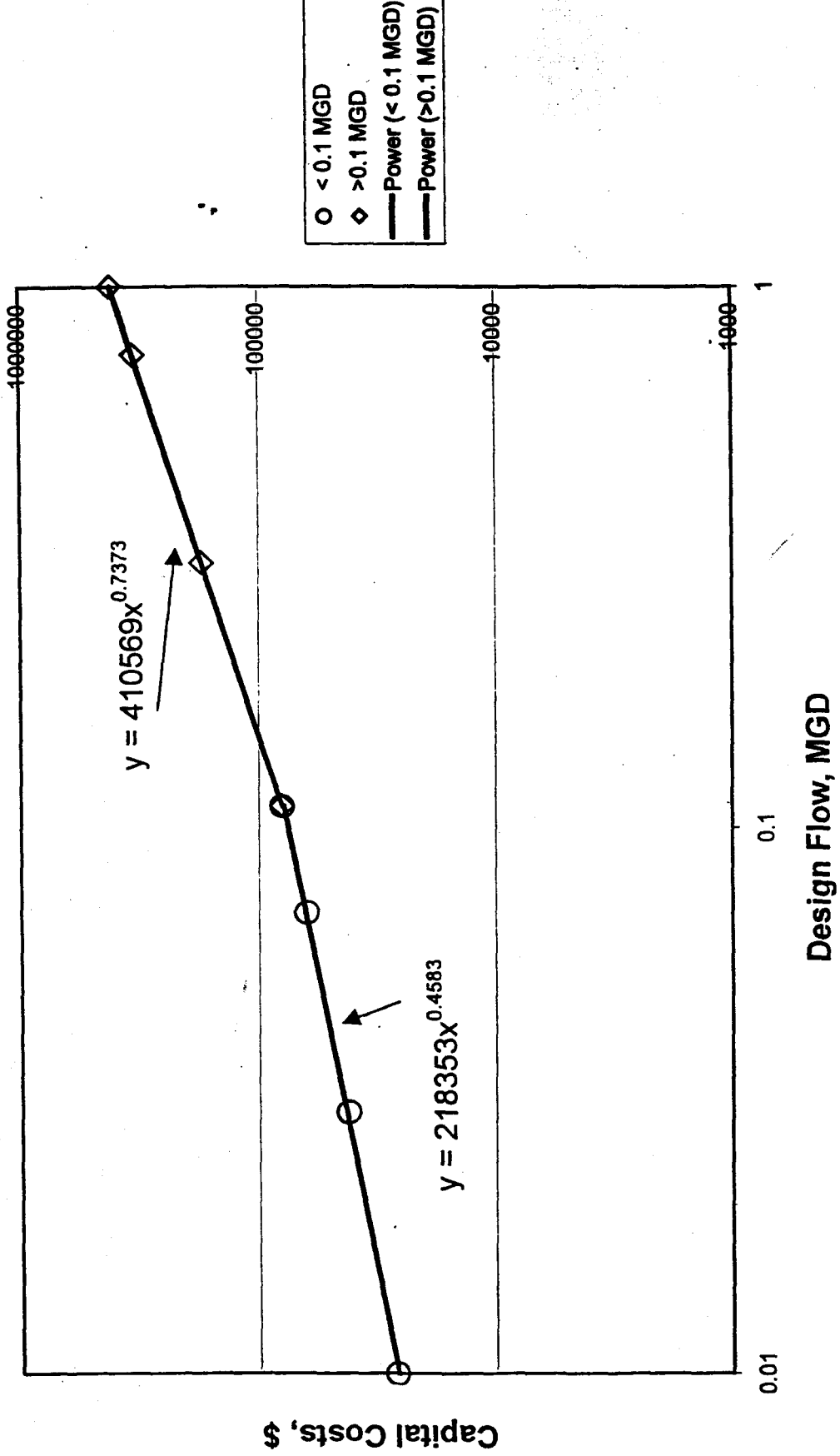
- ◇ < 0.10 MGD
- 0.10 - 0.27 MGD
- 0.27 - 1.0 MGD
- + 1.0 - 10 MGD
- X > 10 MGD
- Linear (< 0.10 MGD)
- Linear (0.10 - 0.27 MGD)
- Linear (0.27 - 1.0 MGD)
- Linear (1.0 - 10 MGD)
- Poly. (> 10 MGD)

Chlorination Treatment Only, O&M Costs



2-Days of Storage, Capital Costs

Steel Tank Above Ground, Plus Effluent Pumping, Includes Disinfection Capital



**APPENDIX C. FLOW ESTIMATION EQUATIONS FOR PUBLIC
AND PRIVATE WATER SYSTEMS**

EXHIBIT C-1. EQUATIONS FOR ESTIMATING FLOW

$$\text{Flow (MGD)} = a * (\text{pop}/1000)^b$$

Average Flow (AF)			
Public Water Systems		Private Water Systems	
a =	0.1284	a =	0.1029
b =	1.0584	b =	1.0628
Design Flow (DF)			
Public Water Systems		Private Water Systems	
a =	0.4041	a =	0.3179
b =	0.9554	b =	0.9608
Public Water Systems			
System Size	Average Population	AF, mgd	DF, mgd
25-100	65	0.0071	0.0297
101-500	290	0.0346	0.1238
501-1,000	750	0.0947	0.3070
1,000-3,300	1880	0.2505	0.7386
3,301-10,000	5800	0.8252	2.1670
10,001-50,000	20900	3.2049	7.3749
50,001-100,000	68000	11.1710	22.7650
>100,000	214000	37.5902	75.1805
Private Water Systems			
System Size	Average Population	AF, mgd	DF, mgd
25-100	60	0.0052	0.0213
101-500	230	0.0216	0.0775
501-1,000	720	0.0726	0.2319
1,000-3,300	1800	0.1922	0.5592
3,301-10,000	5700	0.6543	1.6925
10,001-50,000	21900	2.7355	6.1686
50,001-100,000	68000	9.1202	18.3217
>100,000	248000	36.0777	72.1554

1. Flow parameters estimated by ODWGW from SDWIS data

APPENDIX D. SUMMARY COST TABLES

PUBLIC

Monitoring Costs

Monitoring Cost \$ Cost Frequency

50 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System		
25-100	1190.6	1083	238,112	\$ 224	VS	5938.6	4987	\$ 1,187,720	\$ 238		
101-500	4748.0	3024	948,508	\$ 242	VS	8913.5	8281	\$ 1,982,698	\$ 317		
501-1000	3550.4	2518	710,078	\$ 282	M	4336.6	1902	\$ 967,312	\$ 458		
1001-3,000	6363.1	3743	1,272,820	\$ 340	M	4871.4	1110	\$ 974,200	\$ 878		
3,081-10,000	4336.6	1902	967,312	\$ 456	L	457.6	52	\$ 91,520	\$ 1,760		
10,001-50,000	3888.3	987	777,660	\$ 780							
50,001-100,000	983.1	113	198,820	\$ 1,740							
100,001-1,000,000	457.6	52	91,520	\$ 1,760							
Totals											
System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Cap Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Cap Cost	Total Annual Cost
25-100	\$ 5,702,175	\$ 5,262,338	\$ 238,112	\$ 55,748,288	\$ 11,202,625	VS	\$ 32,166,962	\$ 33,588,781	\$ 1,187,720	\$ 355,840,028	\$ 68,845,483
101-500	\$ 26,464,787	\$ 28,326,443	\$ 948,608	\$ 300,090,740	\$ 55,740,838	VS	\$ 43,425,774	\$ 71,904,661	\$ 1,982,698	\$ 761,759,004	\$ 117,313,131
501-1000	\$ 11,413,655	\$ 20,679,264	\$ 710,078	\$ 219,078,421	\$ 32,802,998	VS	\$ 34,716,416	\$ 60,029,878	\$ 967,312	\$ 635,955,259	\$ 95,815,408
1001-3,000	\$ 32,012,119	\$ 51,225,397	\$ 1,272,820	\$ 542,882,583	\$ 84,510,135	M	\$ 51,246,557	\$ 98,821,367	\$ 974,200	\$ 1,048,814,971	\$ 151,042,204
3,081-10,000	\$ 34,716,416	\$ 60,029,878	\$ 967,312	\$ 835,955,259	\$ 95,815,408	M	\$ 19,475,711	\$ 27,552,876	\$ 91,520	\$ 281,893,443	\$ 44,119,907
10,001-50,000	\$ 38,098,122	\$ 75,978,817	\$ 777,660	\$ 114,854,399	\$ 38,187,805		\$ 178,031,419	\$ 281,897,163	\$ 5,103,528	\$ 3,092,362,705	\$ 37,475,032,119
50,001-100,000	\$ 13,148,435	\$ 22,842,750	\$ 198,820	\$ 241,996,415	\$ 44,119,907						
100,001-1,000,000	\$ 18,475,711	\$ 27,552,876	\$ 91,520	\$ 291,893,443	\$ 44,119,907						
Total	\$ 178,031,419	\$ 291,897,163	\$ 5,103,528	\$ 3,092,362,705	\$ 475,032,119						

Per System Costs

System Size	O&M Cost	Annual Cap Cost	No. of Sites Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System Above Reg. Limit	No. of Sys. Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System Above Reg. Limit
25-100	\$ 5,702,175	\$ 5,262,338	1,004	\$ 200,781	\$ 200.78	896	\$ 12,456	\$ 13.80
101-500	\$ 26,464,787	\$ 28,326,443	3,715	\$ 742,938	\$ 199.98	3,070	\$ 16,088	\$ 5.24
501-1000	\$ 11,413,655	\$ 20,679,264	2,341	\$ 468,164	\$ 200.03	1,660	\$ 19,813	\$ 11.93
1001-3,000	\$ 32,012,119	\$ 51,225,397	4,195	\$ 839,059	\$ 200.03	2,468	\$ 34,069	\$ 13.80
3,081-10,000	\$ 34,716,416	\$ 60,029,878	3,197	\$ 639,391	\$ 200.03	1,402	\$ 68,027	\$ 48.52
10,001-50,000	\$ 38,098,122	\$ 75,978,817	2,665	\$ 573,097	\$ 214.67	735	\$ 156,041	\$ 212.31
50,001-100,000	\$ 13,148,435	\$ 22,842,750	724	\$ 144,899	\$ 200.14	83	\$ 432,934	\$ 521.49
100,001-1,000,000	\$ 18,475,711	\$ 27,552,876	337	\$ 67,446	\$ 200.14	38	\$ 1,150,893	\$ 3028.66

Household Costs

System Size	O&M Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	HH Incremental Cost	No. of Sys. Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	HH Incremental Cost
25-100	\$ 5,702,175	\$ 5,262,338	\$ 200,781	0.0071	\$ 388.13	896	\$ 12,456	0.0294	\$ 134.88
101-500	\$ 26,464,787	\$ 28,326,443	\$ 742,938	0.0346	\$ 412.0	3,070	\$ 16,088	0.1878	\$ 54.21
501-1000	\$ 11,413,655	\$ 20,679,264	\$ 468,164	0.0947	\$ 1,402.2	1,660	\$ 19,813	0.8252	\$ 18.75
1001-3,000	\$ 32,012,119	\$ 51,225,397	\$ 839,059	0.2505	\$ 818.0	2,468	\$ 34,069	4.0188	\$ 10.44
3,081-10,000	\$ 34,716,416	\$ 60,029,878	\$ 639,391	0.8252	\$ 38.3	1,402	\$ 68,027	37.9802	\$ 0.98
10,001-50,000	\$ 38,098,122	\$ 75,978,817	\$ 573,097	3.2049		735	\$ 156,041		
50,001-100,000	\$ 13,148,435	\$ 22,842,750	\$ 144,899	11.1710		83	\$ 432,934		
100,001-1,000,000	\$ 18,475,711	\$ 27,552,876	\$ 67,446	37.9802		38	\$ 1,150,893		

Results (100 MCL)

PRIVATE

Monitoring Costs

Monitoring Cost \$ Cost 50 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
26-100	13318.8	11890	\$ 2,663,360	\$	224	VVS	24574.6	\$ 4,914,628	\$ 232
101-400	11257.0	9304	\$ 2,251,568	\$	242	VS	2956.0	\$ 912,240	\$ 309
601-1000	2258.0	1800	\$ 451,200	\$	282	S	943.9	\$ 188,784	\$ 456
1001-3,300	2305.2	1356	\$ 481,040	\$	340	M	1048.4	\$ 209,240	\$ 872
3,301-10,000	943.9	414	\$ 188,784	\$	436	L	114.4	\$ 22,880	\$ 1,760
10,001-60,000	646.3	217	\$ 189,260	\$	780				
60,001-100,000	200.1	23	\$ 40,020	\$	1,740				
100,001-1,000,000	114.4	13	\$ 22,880	\$	1,760				

Totals

System Size	OLM Cost	Annual Cap Cost	Annual Cap Cost	Total Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Annual Monitoring Cost	Total
26-100	\$ 58,338,824	\$ 51,007,487	\$ 541,008,784	\$ 2,663,360	\$ 112,006,681	VVS	\$ 109,917,782	\$ 104,628,139	\$ 1,106,410,812	\$ 4,914,628	\$ 210,458,949
101-400	\$ 51,578,958	\$ 53,558,642	\$ 507,401,018	\$ 2,251,568	\$ 107,386,169	VS	\$ 15,981,797	\$ 27,014,492	\$ 286,191,909	\$ 912,240	\$ 43,908,528
601-1000	\$ 6,198,098	\$ 11,190,843	\$ 118,555,965	\$ 451,200	\$ 17,840,141	S	\$ 6,433,975	\$ 11,177,574	\$ 118,415,378	\$ 188,784	\$ 17,806,333
1001-3,300	\$ 8,783,899	\$ 15,423,648	\$ 167,635,854	\$ 481,040	\$ 26,068,387	M	\$ 9,582,775	\$ 18,843,656	\$ 197,834,913	\$ 209,240	\$ 28,475,711
3,301-10,000	\$ 6,433,975	\$ 11,177,574	\$ 118,415,378	\$ 188,784	\$ 17,000,333	L	\$ 3,960,450	\$ 6,662,785	\$ 70,545,750	\$ 22,880	\$ 10,646,123
10,001-60,000	\$ 7,291,536	\$ 14,655,708	\$ 155,282,778	\$ 189,260	\$ 22,118,504	Total	\$ 145,878,778	\$ 186,164,658	\$ 1,781,538,761	\$ 6,248,112	\$ 202,882,847
60,001-100,000	\$ 2,291,240	\$ 4,027,948	\$ 42,872,135	\$ 40,020	\$ 6,359,207						
100,001-1,000,000	\$ 3,960,450	\$ 6,662,785	\$ 70,545,750	\$ 22,880	\$ 10,646,123						
Total	\$ 145,878,778	\$ 186,164,658	\$ 1,781,538,761	\$ 8,248,112	\$ 320,389,647						

Per System Costs

System Size	OLM Cost	Annual Cap Cost	No. of Sites Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System Above Reg. Limit	System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	No. of Sites Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System Above Reg. Limit
26-100	\$ 58,338,824	\$ 51,007,487	11,229	\$ 2,245,804	\$ 199.62	VVS	\$ 109,917,782	\$ 104,628,139	\$ 1,106,410,812	30,037	\$ 4,907,348	\$ 160.15
101-400	\$ 51,578,958	\$ 53,558,642	8,008	\$ 1,761,542	\$ 220.08	VS	\$ 15,981,797	\$ 27,014,492	\$ 286,191,909	3,007	\$ 601,454	\$ 200.15
601-1000	\$ 6,198,098	\$ 11,190,843	1,487	\$ 287,483	\$ 193.33	S	\$ 6,433,975	\$ 11,177,574	\$ 118,415,378	696	\$ 138,173	\$ 197.33
1001-3,300	\$ 8,783,899	\$ 15,423,648	1,520	\$ 303,971	\$ 200.00	M	\$ 9,582,775	\$ 18,843,656	\$ 197,834,913	771	\$ 154,229	\$ 200.00
3,301-10,000	\$ 6,433,975	\$ 11,177,574	896	\$ 138,173	\$ 154.23	L	\$ 3,960,450	\$ 6,662,785	\$ 70,545,750	84	\$ 18,881	\$ 224.77
10,001-60,000	\$ 7,291,536	\$ 14,655,708	924	\$ 124,736	\$ 135.00							
60,001-100,000	\$ 2,291,240	\$ 4,027,948	147	\$ 29,493	\$ 200.67							
100,001-1,000,000	\$ 3,960,450	\$ 6,662,785	84	\$ 18,881	\$ 224.77							

Household Costs HH Consumption (gall):

System Size	OLM Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	HH Incremental Cost	System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	HH Incremental Cost
26-100	\$ 58,338,824	\$ 51,007,487	\$ 2,245,804	0.0052	\$ 489.43	VVS	\$ 109,917,782	\$ 104,628,139	\$ 1,106,410,812	\$ 4,907,348	0.0121	\$ 237.63
101-400	\$ 51,578,958	\$ 53,558,642	\$ 1,761,542	0.0216	\$ 38.91	VS	\$ 15,981,797	\$ 27,014,492	\$ 286,191,909	\$ 601,454	0.1274	\$ 38.91
601-1000	\$ 6,198,098	\$ 11,190,843	\$ 287,483	0.0728	\$ 20.21	S	\$ 6,433,975	\$ 11,177,574	\$ 118,415,378	\$ 139,173	0.6543	\$ 20.21
1001-3,300	\$ 8,783,899	\$ 15,423,648	\$ 303,971	0.1922	\$ 17.93	M	\$ 9,582,775	\$ 18,843,656	\$ 197,834,913	\$ 184,229	3.3474	\$ 17.93
3,301-10,000	\$ 6,433,975	\$ 11,177,574	\$ 138,173	0.6543	\$ 9.63	L	\$ 3,960,450	\$ 6,662,785	\$ 70,545,750	\$ 18,881	36.0777	\$ 9.63
10,001-60,000	\$ 7,291,536	\$ 14,655,708	\$ 124,736	2.7355	\$ 7.00							
60,001-100,000	\$ 2,291,240	\$ 4,027,948	\$ 29,493	0.1202	\$ 17.93							
100,001-1,000,000	\$ 3,960,450	\$ 6,662,785	\$ 18,881	36.0777	\$ 7.00							

Results (200 MCL)

PUBLIC

Monitoring Costs

Monitoring Cost \$ 50 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	1180.6	1083	\$ 238,112	\$	VVS	5038.6	224	\$ 1,187,720	\$ 238
101-500	4748.0	3824	\$ 949,608	\$	VS	9913.5	8261	\$ 1,982,688	\$ 317
501-1000	3550.4	2518	\$ 710,076	\$	S	4338.6	1802	\$ 887,312	\$ 456
1001-3,300	6383.1	3743	\$ 1,272,820	\$	M	4871.4	1110	\$ 974,280	\$ 878
3,301-10,000	4338.6	1802	\$ 687,312	\$	L	457.6	52	\$ 91,520	\$ 1,760
10,001-50,000	3888.3	987	\$ 777,860	\$					
50,001-100,000	983.1	113	\$ 196,620	\$					
100,001-1,000,000	457.6	52	\$ 91,520	\$					

Totals

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 3,750,191	\$ 3,753,595	\$ 39,785,635	\$ 7,741,898	VVS	\$ 21,668,389	\$ 24,328,602	\$ 1,187,720	\$ 47,182,712
101-500	\$ 17,918,198	\$ 20,573,008	\$ 217,950,736	\$ 39,440,814	VS	\$ 31,161,874	\$ 48,736,248	\$ 1,982,688	\$ 81,880,610
501-1000	\$ 8,188,040	\$ 13,911,373	\$ 147,377,278	\$ 22,809,489	S	\$ 23,876,781	\$ 39,999,687	\$ 867,312	\$ 64,743,770
1001-3,300	\$ 22,973,634	\$ 34,824,878	\$ 368,935,230	\$ 59,071,130	M	\$ 31,958,532	\$ 59,617,813	\$ 974,280	\$ 82,548,628
3,301-10,000	\$ 23,876,791	\$ 39,999,687	\$ 423,757,042	\$ 867,312	L	\$ 9,619,194	\$ 16,028,923	\$ 91,520	\$ 25,737,637
10,001-50,000	\$ 24,189,442	\$ 46,144,477	\$ 488,855,250	\$ 777,660	Total	\$ 118,282,581	\$ 188,707,255	\$ 5,103,528	\$ 312,093,364
50,001-100,000	\$ 7,757,091	\$ 13,473,338	\$ 142,738,715	\$ 198,620					
100,001-1,000,000	\$ 9,619,194	\$ 16,028,923	\$ 169,789,455	\$ 91,520					
Total	\$ 118,282,581	\$ 188,707,255	\$ 1,999,187,342	\$ 5,103,528					

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	No. of Sys. Above Reg. Limit	Cost per System
25-100	\$ 3,750,191	\$ 3,753,595	\$ 751	\$ 7,504,487	VVS	\$ 21,668,389	\$ 24,328,602	\$ 3,561	\$ 46,000,552	2,983.2	\$ 18,009
101-500	\$ 17,918,198	\$ 20,573,008	\$ 2,810	\$ 38,494,016	VS	\$ 31,161,874	\$ 48,736,248	\$ 4,513	\$ 80,402,635	2,850.1	\$ 28,350
501-1000	\$ 8,188,040	\$ 13,911,373	\$ 1,616	\$ 22,801,029	S	\$ 23,876,781	\$ 39,999,687	\$ 2,156	\$ 63,978,524	945.5	\$ 64,016
1001-3,300	\$ 22,973,634	\$ 34,824,878	\$ 2,897	\$ 58,801,410	M	\$ 31,958,532	\$ 59,617,813	\$ 2,208	\$ 91,576,553	502.6	\$ 183,087
3,301-10,000	\$ 23,876,791	\$ 39,999,687	\$ 2,156	\$ 63,878,634	L	\$ 9,619,194	\$ 16,028,923	\$ 207	\$ 25,656,124	23.5	\$ 1,090,917
10,001-50,000	\$ 24,189,442	\$ 46,144,477	\$ 1,761	\$ 70,335,680							
50,001-100,000	\$ 7,757,091	\$ 13,473,338	\$ 445	\$ 21,680,874							
100,001-1,000,000	\$ 9,619,194	\$ 16,028,923	\$ 207	\$ 25,656,124							

Household Costs HH Consumption (gal):

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	No. of Sys. Above Reg. Limit	Cost per System	Average Daily Flow (MGD)	HH Incremental Cost
25-100	\$ 3,750,191	\$ 3,753,595	\$ 150,290	\$ 7,504,487	VVS	\$ 21,668,389	\$ 24,328,602	\$ 712,268	\$ 46,709,259	2,983.2	\$ 124.84	0.0285	\$
101-500	\$ 17,918,198	\$ 20,573,008	\$ 561,978	\$ 39,053,184	VS	\$ 31,161,874	\$ 48,736,248	\$ 902,551	\$ 80,800,673	2,850.1	\$ 34.33	0.1878	\$
501-1000	\$ 8,188,040	\$ 13,911,373	\$ 323,237	\$ 22,422,650	S	\$ 23,876,781	\$ 39,999,687	\$ 431,143	\$ 64,307,611	945.5	\$ 18.74	0.8252	\$
1001-3,300	\$ 22,973,634	\$ 34,824,878	\$ 578,315	\$ 58,376,827	M	\$ 31,958,532	\$ 59,617,813	\$ 2,208	\$ 91,576,553	502.6	\$ 10.37	4.0158	\$
3,301-10,000	\$ 23,876,791	\$ 39,999,687	\$ 431,143	\$ 64,307,611	L	\$ 9,619,194	\$ 16,028,923	\$ 41,442	\$ 25,656,124	23.5	\$ 6.00	37.5902	\$
10,001-50,000	\$ 24,189,442	\$ 46,144,477	\$ 352,142	\$ 70,686,061									
50,001-100,000	\$ 7,757,091	\$ 13,473,338	\$ 89,034	\$ 21,319,463									
100,001-1,000,000	\$ 9,619,194	\$ 16,028,923	\$ 41,442	\$ 25,656,124									

Results (200 MCL)

PRIVATE

Monitoring Costs

Monitoring Cost \$ Cost 50 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	13316.8	11890	\$ 2,863,360	\$ 224	VVS	24574.6	21194.0	\$ 4,914,928	\$ 232
101-500	11257.8	9304	\$ 2,251,568	\$ 242	VS	4591.2	2856.0	\$ 912,240	\$ 309
501-1000	2256.0	1600	\$ 451,200	\$ 282	S	943.9	414.0	\$ 188,784	\$ 456
1001-3,300	2305.2	1556	\$ 461,040	\$ 340	M	1048.4	240.0	\$ 209,280	\$ 872
3,301-10,000	943.9	414	\$ 188,784	\$ 456	L	114.4	13.0	\$ 22,880	\$ 1,760
10,001-50,000	846.3	217	\$ 169,260	\$ 780					
50,001-100,000	200.1	23	\$ 40,020	\$ 1,740					
100,001-1,000,000	114.4	13	\$ 22,880	\$ 1,760					

Totals

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	No. of Sites	No. of Systems	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 38,658,392	\$ 36,463,260	\$ 2,863,280	\$ 77,984,932	VVS	24574.6	21194.0	\$ 73,602,571	\$ 75,214,684	\$ 4,914,928	\$ 153,732,123
101-500	\$ 34,947,179	\$ 38,751,424	\$ 2,251,568	\$ 75,950,171	VS	4591.2	2856.0	\$ 11,404,334	\$ 18,129,963	\$ 912,240	\$ 30,446,537
501-1000	\$ 4,421,018	\$ 7,468,957	\$ 451,200	\$ 12,341,175	S	943.9	414.0	\$ 4,413,911	\$ 7,428,059	\$ 188,784	\$ 12,030,753
1001-3,300	\$ 6,983,315	\$ 10,661,006	\$ 112,942,846	\$ 18,105,361	M	1048.4	240.0	\$ 5,982,487	\$ 11,272,722	\$ 209,280	\$ 17,464,489
3,301-10,000	\$ 4,413,911	\$ 7,428,059	\$ 78,692,959	\$ 188,784	L	114.4	13.0	\$ 2,312,882	\$ 3,877,232	\$ 22,880	\$ 6,212,794
10,001-50,000	\$ 4,628,174	\$ 8,892,474	\$ 84,208,999	\$ 169,260				\$ 97,718,965	\$ 115,922,659	\$ 1,228,086,298	\$ 6,248,112
50,001-100,000	\$ 1,354,313	\$ 2,360,247	\$ 40,020	\$ 3,714,581							
100,001-1,000,000	\$ 2,312,882	\$ 3,877,232	\$ 22,880	\$ 6,212,794							
Total	\$ 97,718,965	\$ 115,922,659	\$ 1,228,086,298	\$ 2,312,794							

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	No. of Sites	No. of Systems	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 38,658,392	\$ 36,463,260	\$ 2,863,280	\$ 77,984,932	VVS	24574.6	21194.0	\$ 73,602,571	\$ 75,214,684	\$ 4,914,928	\$ 153,732,123
101-500	\$ 34,947,179	\$ 38,751,424	\$ 2,251,568	\$ 75,950,171	VS	4591.2	2856.0	\$ 11,404,334	\$ 18,129,963	\$ 912,240	\$ 30,446,537
501-1000	\$ 4,421,018	\$ 7,468,957	\$ 451,200	\$ 12,341,175	S	943.9	414.0	\$ 4,413,911	\$ 7,428,059	\$ 188,784	\$ 12,030,753
1001-3,300	\$ 6,983,315	\$ 10,661,006	\$ 112,942,846	\$ 18,105,361	M	1048.4	240.0	\$ 5,982,487	\$ 11,272,722	\$ 209,280	\$ 17,464,489
3,301-10,000	\$ 4,413,911	\$ 7,428,059	\$ 78,692,959	\$ 188,784	L	114.4	13.0	\$ 2,312,882	\$ 3,877,232	\$ 22,880	\$ 6,212,794
10,001-50,000	\$ 4,628,174	\$ 8,892,474	\$ 84,208,999	\$ 169,260				\$ 97,718,965	\$ 115,922,659	\$ 1,228,086,298	\$ 6,248,112
50,001-100,000	\$ 1,354,313	\$ 2,360,247	\$ 40,020	\$ 3,714,581							
100,001-1,000,000	\$ 2,312,882	\$ 3,877,232	\$ 22,880	\$ 6,212,794							

Household Costs HH Consumption (gal):

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	No. of Sites	No. of Systems	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 38,658,392	\$ 36,463,260	\$ 2,863,280	\$ 77,984,932	VVS	24574.6	21194.0	\$ 73,602,571	\$ 75,214,684	\$ 4,914,928	\$ 153,732,123
101-500	\$ 34,947,179	\$ 38,751,424	\$ 2,251,568	\$ 75,950,171	VS	4591.2	2856.0	\$ 11,404,334	\$ 18,129,963	\$ 912,240	\$ 30,446,537
501-1000	\$ 4,421,018	\$ 7,468,957	\$ 451,200	\$ 12,341,175	S	943.9	414.0	\$ 4,413,911	\$ 7,428,059	\$ 188,784	\$ 12,030,753
1001-3,300	\$ 6,983,315	\$ 10,661,006	\$ 112,942,846	\$ 18,105,361	M	1048.4	240.0	\$ 5,982,487	\$ 11,272,722	\$ 209,280	\$ 17,464,489
3,301-10,000	\$ 4,413,911	\$ 7,428,059	\$ 78,692,959	\$ 188,784	L	114.4	13.0	\$ 2,312,882	\$ 3,877,232	\$ 22,880	\$ 6,212,794
10,001-50,000	\$ 4,628,174	\$ 8,892,474	\$ 84,208,999	\$ 169,260				\$ 97,718,965	\$ 115,922,659	\$ 1,228,086,298	\$ 6,248,112
50,001-100,000	\$ 1,354,313	\$ 2,360,247	\$ 40,020	\$ 3,714,581							
100,001-1,000,000	\$ 2,312,882	\$ 3,877,232	\$ 22,880	\$ 6,212,794							

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	No. of Sites	No. of Systems	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 38,658,392	\$ 36,463,260	\$ 2,863,280	\$ 77,984,932	VVS	24574.6	21194.0	\$ 73,602,571	\$ 75,214,684	\$ 4,914,928	\$ 153,732,123
101-500	\$ 34,947,179	\$ 38,751,424	\$ 2,251,568	\$ 75,950,171	VS	4591.2	2856.0	\$ 11,404,334	\$ 18,129,963	\$ 912,240	\$ 30,446,537
501-1000	\$ 4,421,018	\$ 7,468,957	\$ 451,200	\$ 12,341,175	S	943.9	414.0	\$ 4,413,911	\$ 7,428,059	\$ 188,784	\$ 12,030,753
1001-3,300	\$ 6,983,315	\$ 10,661,006	\$ 112,942,846	\$ 18,105,361	M	1048.4	240.0	\$ 5,982,487	\$ 11,272,722	\$ 209,280	\$ 17,464,489
3,301-10,000	\$ 4,413,911	\$ 7,428,059	\$ 78,692,959	\$ 188,784	L	114.4	13.0	\$ 2,312,882	\$ 3,877,232	\$ 22,880	\$ 6,212,794
10,001-50,000	\$ 4,628,174	\$ 8,892,474	\$ 84,208,999	\$ 169,260				\$ 97,718,965	\$ 115,922,659	\$ 1,228,086,298	\$ 6,248,112
50,001-100,000	\$ 1,354,313	\$ 2,360,247	\$ 40,020	\$ 3,714,581							
100,001-1,000,000	\$ 2,312,882	\$ 3,877,232	\$ 22,880	\$ 6,212,794							

Results (MCL 300)

PUBLIC

Monitoring Costs

Monitoring Cost \$ Cost 50 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	1190.8	1083	\$ 238,112	\$	224	VVS	5638.6	\$ 1,187,720	\$ 238
101-500	4748.0	3924	\$ 948,608	\$	242	VS	9913.5	\$ 1,982,696	\$ 317
501-1000	3550.4	2518	\$ 710,078	\$	262	S	4336.6	\$ 867,312	\$ 456
1001-3,300	6363.1	3743	\$ 1,272,620	\$	340	M	4871.4	\$ 974,280	\$ 878
3,301-10,000	4336.6	1902	\$ 867,312	\$	458	L	457.8	\$ 81,520	\$ 1,760
10,001-50,000	3868.3	997	\$ 777,660	\$	780				
50,001-100,000	983.1	113	\$ 186,820	\$	1,740				
100,001-1,000,000	457.8	52	\$ 81,520	\$	1,760				

Totals

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Cap Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Cap Cost	Total Annual Cost
25-100	\$ 2,781,592	\$ 2,850,613	\$ 238,112	\$ 30,199,440	\$ 33,070,757	VVS	\$ 16,628,015	\$ 19,046,491	\$ 201,778,797	\$ 1,187,720	\$ 38,860,226
101-500	\$ 13,844,424	\$ 16,195,878	\$ 171,578,357	\$ 171,578,357	\$ 353,152,116	VS	\$ 22,807,221	\$ 35,373,505	\$ 374,747,417	\$ 1,982,696	\$ 60,263,422
501-1000	\$ 6,020,317	\$ 10,068,553	\$ 108,666,396	\$ 108,666,396	\$ 227,161,762	S	\$ 13,630,541	\$ 22,831,973	\$ 241,882,243	\$ 867,312	\$ 37,329,826
1001-3,300	\$ 16,886,904	\$ 25,304,952	\$ 268,081,021	\$ 268,081,021	\$ 452,267,948	M	\$ 20,521,179	\$ 37,808,682	\$ 400,528,943	\$ 974,280	\$ 59,302,341
3,301-10,000	\$ 13,630,541	\$ 22,831,973	\$ 867,312	\$ 31,071,048	\$ 47,370,873	L	\$ 6,045,177	\$ 10,067,444	\$ 108,654,648	\$ 81,520	\$ 18,204,141
10,001-50,000	\$ 4,881,259	\$ 8,478,051	\$ 186,820	\$ 89,819,598	\$ 105,285,728		\$ 79,730,134	\$ 125,128,294	\$ 1,325,589,746	\$ 5,103,528	\$ 1,999,957,957
50,001-100,000	\$ 6,045,177	\$ 10,067,444	\$ 81,520	\$ 108,654,648	\$ 124,758,789						
100,001-1,000,000	\$ 79,730,134	\$ 125,128,294	\$ 5,103,528	\$ 1,325,589,746	\$ 1,530,541,702						
Total	\$ 79,730,134	\$ 125,128,294	\$ 5,103,528	\$ 1,325,589,746	\$ 1,530,541,702						

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Monitoring Cost for Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	No. of Sys. Above Reg. Limit	Cost per System	System Size	O&M Cost	Annual Cap Cost	Monitoring Cost for Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	No. of Sys. Above Reg. Limit	Cost per System
25-100	\$ 2,781,592	\$ 2,850,613	\$ 579	\$ 115,846	517	\$ 11,114	VVS	\$ 16,628,015	\$ 19,046,491	\$ 2,817	\$ 563,313	2,366.2	\$ 16,314
101-500	\$ 13,844,424	\$ 16,195,878	\$ 2,237	\$ 447,467	1,849	\$ 16,488	VS	\$ 22,807,221	\$ 35,373,505	\$ 3,290	\$ 658,039	2,078.0	\$ 28,364
501-1000	\$ 6,020,317	\$ 10,068,553	\$ 1,178	\$ 235,668	838	\$ 19,534	S	\$ 13,630,541	\$ 22,831,973	\$ 1,231	\$ 246,109	539.7	\$ 68,016
1001-3,300	\$ 16,886,904	\$ 25,304,952	\$ 2,112	\$ 422,371	1,242	\$ 34,304	M	\$ 20,521,179	\$ 37,808,682	\$ 1,395	\$ 278,982	317.8	\$ 184,369
3,301-10,000	\$ 13,630,541	\$ 22,831,973	\$ 1,231	\$ 246,109	540	\$ 68,015	L	\$ 6,045,177	\$ 10,067,444	\$ 131	\$ 26,208	14.9	\$ 1,083,867
10,001-50,000	\$ 4,881,259	\$ 8,478,051	\$ 1,113	\$ 222,681	285	\$ 158,295							
50,001-100,000	\$ 6,045,177	\$ 10,067,444	\$ 282	\$ 56,302	32	\$ 414,608							
100,001-1,000,000	\$ 79,730,134	\$ 125,128,294	\$ 131	\$ 28,208	15	\$ 1,083,867							

Household Costs HH Consumption (gal):

System Size	O&M Cost	Annual Cap Cost	Monitoring Cost for Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	No. of Sys. Above Reg. Limit	HH Incremental Cost	System Size	O&M Cost	Annual Cap Cost	Monitoring Cost for Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	Affected Systems	HH Incremental Cost
25-100	\$ 2,781,592	\$ 2,850,613	\$ 115,846	\$ 0.0071	0.0071	517	\$ 355.24	VVS	\$ 16,628,015	\$ 19,046,491	\$ 563,313	\$ 0.0266	2,366.2	\$ 121.68	
101-500	\$ 13,844,424	\$ 16,195,878	\$ 447,467	\$ 0.0349	0.0349	1,849	\$ 108.24	VS	\$ 22,807,221	\$ 35,373,505	\$ 658,039	\$ 0.1878	2,078.0	\$ 34.34	
501-1000	\$ 6,020,317	\$ 10,068,553	\$ 235,668	\$ 0.0947	0.0947	838	\$ 46.91	S	\$ 13,630,541	\$ 22,831,973	\$ 246,109	\$ 0.8252	639.7	\$ 18.74	
1001-3,300	\$ 16,886,904	\$ 25,304,952	\$ 422,371	\$ 0.2505	0.2505	1,242	\$ 31.15	M	\$ 20,521,179	\$ 37,808,682	\$ 278,982	\$ 4.0158	317.8	\$ 10.44	
3,301-10,000	\$ 13,630,541	\$ 22,831,973	\$ 246,109	\$ 0.8252	0.8252	540	\$ 18.74	L	\$ 6,045,177	\$ 10,067,444	\$ 26,208	\$ 37.5902	14.9	\$ 6.95	
10,001-50,000	\$ 4,881,259	\$ 8,478,051	\$ 222,681	\$ 3.2048	3.2048	285	\$ 11.23								
50,001-100,000	\$ 6,045,177	\$ 10,067,444	\$ 56,302	\$ 11.1710	11.1710	32	\$ 8.44								
100,001-1,000,000	\$ 79,730,134	\$ 125,128,294	\$ 28,208	\$ 37.5902	37.5902	15	\$ 6.56								

PRIVATE

Monitoring Costs

Monitoring Cost \$ 50 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	13316.8	11890	\$ 2,663,360	\$	VVS	24574.0	21194.0	\$ 4,914,928	\$ 232
101-500	11257.8	9304	\$ 2,251,568	\$	VS	4561.2	2956.0	\$ 912,240	\$ 309
501-1000	2256.0	1800	\$ 451,200	\$	S	843.9	414.0	\$ 188,784	\$ 458
1001-3,300	2305.2	1356	\$ 481,040	\$	M	1048.4	240.0	\$ 209,280	\$ 872
3,301-10,000	943.9	414	\$ 188,784	\$	L	114.4	13.0	\$ 22,880	\$ 1,760
10,001-50,000	846.3	217	\$ 189,280	\$					
50,001-100,000	200.1	23	\$ 40,020	\$					
100,001-1,000,000	114.4	13	\$ 22,880	\$					

Totals

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 26,743,047	\$ 27,700,787	\$ 2,663,360	\$ 5,910,184	\$ 58,177,015	VVS	\$ 55,750,673	\$ 58,177,015	\$ 4,914,928	\$ 118,842,616
101-500	\$ 27,007,628	\$ 30,476,227	\$ 2,251,568	\$ 5,973,421	\$ 63,744,003	VS	\$ 8,374,003	\$ 13,127,334	\$ 912,240	\$ 22,413,577
501-1000	\$ 3,246,828	\$ 5,396,100	\$ 57,166,355	\$ 451,200	\$ 9,093,928	S	\$ 2,519,748	\$ 4,239,924	\$ 188,784	\$ 6,948,464
1001-3,300	\$ 5,127,374	\$ 7,731,234	\$ 81,904,808	\$ 481,040	\$ 13,319,949	M	\$ 3,941,900	\$ 7,148,050	\$ 209,280	\$ 11,977,231
3,301-10,000	\$ 2,518,748	\$ 4,239,924	\$ 44,917,815	\$ 188,784	\$ 6,948,454	L	\$ 1,453,438	\$ 2,435,641	\$ 22,880	\$ 3,911,957
10,001-50,000	\$ 2,989,480	\$ 5,647,942	\$ 59,834,382	\$ 189,280	\$ 8,606,682	Total	\$ 71,939,758	\$ 85,125,984	\$ 6,248,112	\$ 163,313,854
50,001-100,000	\$ 852,420	\$ 1,498,108	\$ 15,870,977	\$ 40,020	\$ 2,390,548					
100,001-1,000,000	\$ 1,453,438	\$ 2,435,641	\$ 25,803,217	\$ 22,880	\$ 3,911,957					
Total	\$ 71,939,758	\$ 85,125,984	\$ 6,248,112	\$ 163,313,854						

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Monitoring Cost for Systems Above Reg. Limit	No. of Sys. Above Reg. Limit	Cost per System	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Monitoring Cost for Systems Above Reg. Limit	No. of Sys. Above Reg. Limit	Cost per System
25-100	\$ 26,743,047	\$ 27,700,787	\$ 2,663,360	\$ 1,295,778	5,785	\$ 9,981	VVS	\$ 55,750,673	\$ 58,177,015	\$ 4,914,928	\$ 11,784	10,168.9	\$ 11,435
101-500	\$ 27,007,628	\$ 30,476,227	\$ 2,251,568	\$ 1,060,987	4,384	\$ 13,554	VS	\$ 8,374,003	\$ 13,127,334	\$ 912,240	\$ 1,514	961.1	\$ 22,225
501-1000	\$ 3,246,828	\$ 5,396,100	\$ 57,166,355	\$ 149,749	531	\$ 18,558	S	\$ 2,519,748	\$ 4,239,924	\$ 188,784	\$ 288	117.5	\$ 57,098
1001-3,300	\$ 5,127,374	\$ 7,731,234	\$ 81,904,808	\$ 153,015	450	\$ 28,912	M	\$ 3,941,900	\$ 7,148,050	\$ 209,280	\$ 300	68.7	\$ 160,759
3,301-10,000	\$ 2,518,748	\$ 4,239,924	\$ 44,917,815	\$ 48,467	117	\$ 57,998	L	\$ 1,453,438	\$ 2,435,641	\$ 22,880	\$ 33	3.7	\$ 1,046,505
10,001-50,000	\$ 2,989,480	\$ 5,647,942	\$ 59,834,382	\$ 11,460	7	\$ 358,639							
50,001-100,000	\$ 852,420	\$ 1,498,108	\$ 15,870,977	\$ 6,552	4	\$ 1,046,505							
100,001-1,000,000	\$ 1,453,438	\$ 2,435,641	\$ 25,803,217	\$ 6,552	4	\$ 6,60							

Household Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	No. of Sys. Above Reg. Limit	HH Incremental Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	No. of Sys. Above Reg. Limit	HH Incremental Cost
25-100	\$ 26,743,047	\$ 27,700,787	\$ 2,663,360	\$ 1,295,778	0.0052	5,785	\$ 438.87	VVS	\$ 55,750,673	\$ 58,177,015	\$ 4,914,928	\$ 2,358,748	0.0122	10,168.9	\$ 212.32
101-500	\$ 27,007,628	\$ 30,476,227	\$ 2,251,568	\$ 1,060,987	0.0216	4,384	\$ 140.71	VS	\$ 8,374,003	\$ 13,127,334	\$ 912,240	\$ 302,764	0.1274	961.1	\$ 38.66
501-1000	\$ 3,246,828	\$ 5,396,100	\$ 57,166,355	\$ 149,749	0.0728	531	\$ 51.88	S	\$ 2,519,748	\$ 4,239,924	\$ 188,784	\$ 53,569	0.6543	117.5	\$ 26.16
1001-3,300	\$ 5,127,374	\$ 7,731,234	\$ 81,904,808	\$ 153,015	0.1822	450	\$ 34.21	M	\$ 3,941,900	\$ 7,148,050	\$ 209,280	\$ 59,927	3.3474	68.7	\$ 10.92
3,301-10,000	\$ 2,518,748	\$ 4,239,924	\$ 44,917,815	\$ 48,467	0.6543	117	\$ 20.16	L	\$ 1,453,438	\$ 2,435,641	\$ 22,880	\$ 6,552	38.0777	3.7	\$ 6.60
10,001-50,000	\$ 2,989,480	\$ 5,647,942	\$ 59,834,382	\$ 11,460	2.7355	7	\$ 11.82								
50,001-100,000	\$ 852,420	\$ 1,498,108	\$ 15,870,977	\$ 6,552	9.1202	4	\$ 8.94								
100,001-1,000,000	\$ 1,453,438	\$ 2,435,641	\$ 25,803,217	\$ 6,552	38.0777	4	\$ 6.60								

Results (MCL 400)

PUBLIC

Monitoring Costs

Monitoring Cost \$ Cost 50 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	1190.6	1063	\$ 238,112	\$	224	VVS	5938.6	\$ 1,187,720	\$ 238
101-500	4748.0	3924	\$ 948,608	\$	242	VS	9913.5	\$ 1,982,696	\$ 317
501-1000	3550.4	2518	\$ 710,078	\$	282	S	4338.6	\$ 867,312	\$ 456
1001-3,300	6383.1	3743	\$ 1,272,820	\$	340	M	4871.4	\$ 974,260	\$ 878
3,301-10,000	4338.6	1902	\$ 867,312	\$	456	L	457.6	\$ 91,520	\$ 1,760
10,001-50,000	3666.3	997	\$ 777,660	\$	780				
50,001-100,000	983.1	113	\$ 196,620	\$	1,740				
100,001-1,000,000	457.6	52	\$ 91,520	\$	1,760				

Totals

System Size	O&M Cost	Annual Cap Cost	Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 2,123,221	\$ 2,253,169	\$ 23,870,107	\$ 238,112	\$ 4,614,502	VVS	\$ 13,178,845	\$ 15,536,617	\$ 184,595,147	\$ 1,187,720	\$ 26,903,983
101-500	\$ 11,056,424	\$ 13,283,448	\$ 140,725,040	\$ 949,608	\$ 25,299,480	VS	\$ 17,514,784	\$ 26,587,800	\$ 281,671,533	\$ 1,982,696	\$ 46,085,280
501-1000	\$ 4,603,019	\$ 7,547,858	\$ 78,982,119	\$ 710,078	\$ 12,860,953	S	\$ 6,824,225	\$ 14,697,410	\$ 155,704,574	\$ 867,312	\$ 24,388,948
1001-3,300	\$ 12,911,775	\$ 19,039,942	\$ 201,709,414	\$ 1,272,820	\$ 33,224,338	M	\$ 13,604,049	\$ 24,867,160	\$ 263,443,049	\$ 974,260	\$ 39,445,489
3,301-10,000	\$ 8,624,225	\$ 14,897,410	\$ 155,704,574	\$ 867,312	\$ 24,388,948	L	\$ 3,941,971	\$ 6,557,905	\$ 69,474,539	\$ 91,520	\$ 10,591,398
10,001-50,000	\$ 10,411,872	\$ 19,322,808	\$ 204,708,101	\$ 777,660	\$ 30,512,140		\$ 57,064,684	\$ 88,248,893	\$ 934,888,843	\$ 5,103,528	\$ 190,418,108
50,001-100,000	\$ 3,192,378	\$ 5,544,352	\$ 58,738,948	\$ 196,620	\$ 8,933,349						
100,001-1,000,000	\$ 3,941,971	\$ 6,557,905	\$ 69,474,539	\$ 91,520	\$ 10,591,398						
Total	\$ 57,064,684	\$ 88,248,893	\$ 934,888,843	\$ 5,103,528	\$ 190,418,108						

Per System Costs

System Size	O&M Cost	Annual Cap Cost	No. of Sites Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System	System Size	O&M Cost	Annual Cap Cost	No. of Sites Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System
25-100	\$ 2,123,221	\$ 2,253,169	485	\$ 93,039	\$ 10,761	VVS	\$ 13,178,845	\$ 15,536,617	2,324	\$ 484,719	\$ 1,951.2
101-500	\$ 11,056,424	\$ 13,283,448	1,858	\$ 371,879	\$ 16,090	VS	\$ 17,514,784	\$ 26,587,800	2,487	\$ 497,478	\$ 28,391
501-1000	\$ 4,603,019	\$ 7,547,858	891	\$ 178,164	\$ 19,515	S	\$ 6,824,225	\$ 14,697,410	794	\$ 158,767	\$ 348.2
1001-3,300	\$ 12,911,775	\$ 19,039,942	1,597	\$ 319,311	\$ 34,382	M	\$ 13,604,049	\$ 24,867,160	922	\$ 184,481	\$ 183,917
3,301-10,000	\$ 8,624,225	\$ 14,897,410	784	\$ 158,767	\$ 68,013	L	\$ 3,941,971	\$ 6,557,905	87	\$ 17,329	\$ 1,068,141
10,001-50,000	\$ 10,411,872	\$ 19,322,808	738	\$ 147,251	\$ 158,286						
50,001-100,000	\$ 3,192,378	\$ 5,544,352	186	\$ 37,230	\$ 410,061						
100,001-1,000,000	\$ 3,941,971	\$ 6,557,905	87	\$ 17,329	\$ 1,068,141						

Household Costs HH Consumption (gal): 83,000

System Size	O&M Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	HH Incremental Cost	System Size	O&M Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	HH Incremental Cost
25-100	\$ 2,123,221	\$ 2,253,169	\$ 93,039	0.0071	\$ 343.93	VVS	\$ 13,178,845	\$ 15,536,617	\$ 484,719	0.0268	\$ 118.16
101-500	\$ 11,056,424	\$ 13,283,448	\$ 371,879	0.0346	\$ 105.62	VS	\$ 17,514,784	\$ 26,587,800	\$ 497,478	0.1878	\$ 34.37
501-1000	\$ 4,603,019	\$ 7,547,858	\$ 178,164	0.0947	\$ 48.86	S	\$ 6,824,225	\$ 14,697,410	\$ 158,767	0.6252	\$ 16.74
1001-3,300	\$ 12,911,775	\$ 19,039,942	\$ 319,311	0.2505	\$ 31.20	M	\$ 13,604,049	\$ 24,867,160	\$ 184,481	2.102	\$ 10.41
3,301-10,000	\$ 8,624,225	\$ 14,897,410	\$ 158,767	0.8252	\$ 18.74	L	\$ 3,941,971	\$ 6,557,905	\$ 17,329	37.5902	\$ 6.48
10,001-50,000	\$ 10,411,872	\$ 19,322,808	\$ 147,251	\$ 3,2048	\$ 11.23						
50,001-100,000	\$ 3,192,378	\$ 5,544,352	\$ 37,230	\$ 11,1710	\$ 8.35						
100,001-1,000,000	\$ 3,941,971	\$ 6,557,905	\$ 17,329	\$ 37,5902	\$ 6.48						

Results (MCL 400)

PRIVATE

Monitoring Costs

Monitoring Cost \$ Cost Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	13316.8	11890	\$ 2,893,360	\$ 242	VVS	24574.6	21194.0	\$ 4,914,928	\$ 232
101-500	11257.8	9304	\$ 2,251,568	\$ 242	VS	4581.2	2956.0	\$ 912,240	\$ 309
501-1000	2258.0	1800	\$ 451,200	\$ 252	S	943.9	414.0	\$ 188,784	\$ 456
1001-3,000	2305.2	1358	\$ 461,040	\$ 340	M	1046.4	240.0	\$ 208,280	\$ 872
3,301-10,000	943.9	414	\$ 188,784	\$ 456	L	114.4	13.0	\$ 22,880	\$ 1,760
10,001-50,000	846.3	217	\$ 169,260	\$ 780					
50,001-100,000	200.1	23	\$ 40,020	\$ 1,740					
100,001-1,000,000	114.4	13	\$ 22,880	\$ 1,760					

Totals

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 22,013,510	\$ 21,902,572	\$ 2,893,360	\$ 46,809,442	VVS	\$ 43,589,327	\$ 48,965,341	\$ 4,914,928	\$ 97,469,597
101-500	\$ 21,574,817	\$ 24,962,770	\$ 2,251,568	\$ 48,788,155	VS	\$ 6,392,602	\$ 9,835,670	\$ 912,240	\$ 17,140,512
501-1000	\$ 2,478,244	\$ 4,034,934	\$ 427,461	\$ 6,940,639	S	\$ 1,630,523	\$ 2,727,989	\$ 188,784	\$ 4,547,296
1001-3,000	\$ 3,914,358	\$ 5,800,736	\$ 461,040	\$ 10,176,134	M	\$ 2,547,659	\$ 4,700,534	\$ 208,280	\$ 7,457,473
3,301-10,000	\$ 1,889,875	\$ 3,720,311	\$ 188,784	\$ 5,800,970	L	\$ 947,812	\$ 1,586,757	\$ 22,880	\$ 2,557,449
10,001-50,000	\$ 557,784	\$ 980,223	\$ 169,260	\$ 1,707,267		\$ 55,106,923	\$ 65,716,292	\$ 6,248,112	\$ 127,071,328
50,001-100,000	\$ 947,812	\$ 1,586,757	\$ 40,020	\$ 2,557,449					
100,001-1,000,000	\$ 55,106,923	\$ 65,716,292	\$ 22,880	\$ 127,071,328					
Total	\$ 947,812	\$ 1,586,757	\$ 22,880	\$ 2,557,449					

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 22,013,510	\$ 21,902,572	\$ 2,893,360	\$ 46,809,442	VVS	\$ 43,589,327	\$ 48,965,341	\$ 4,914,928	\$ 97,469,597
101-500	\$ 21,574,817	\$ 24,962,770	\$ 2,251,568	\$ 48,788,155	VS	\$ 6,392,602	\$ 9,835,670	\$ 912,240	\$ 17,140,512
501-1000	\$ 2,478,244	\$ 4,034,934	\$ 427,461	\$ 6,940,639	S	\$ 1,630,523	\$ 2,727,989	\$ 188,784	\$ 4,547,296
1001-3,000	\$ 3,914,358	\$ 5,800,736	\$ 461,040	\$ 10,176,134	M	\$ 2,547,659	\$ 4,700,534	\$ 208,280	\$ 7,457,473
3,301-10,000	\$ 1,889,875	\$ 3,720,311	\$ 188,784	\$ 5,800,970	L	\$ 947,812	\$ 1,586,757	\$ 22,880	\$ 2,557,449
10,001-50,000	\$ 557,784	\$ 980,223	\$ 169,260	\$ 1,707,267		\$ 55,106,923	\$ 65,716,292	\$ 6,248,112	\$ 127,071,328
50,001-100,000	\$ 947,812	\$ 1,586,757	\$ 40,020	\$ 2,557,449					
100,001-1,000,000	\$ 55,106,923	\$ 65,716,292	\$ 22,880	\$ 127,071,328					

Household Costs HH Consumption (gal):

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 22,013,510	\$ 21,902,572	\$ 2,893,360	\$ 46,809,442	VVS	\$ 43,589,327	\$ 48,965,341	\$ 4,914,928	\$ 97,469,597
101-500	\$ 21,574,817	\$ 24,962,770	\$ 2,251,568	\$ 48,788,155	VS	\$ 6,392,602	\$ 9,835,670	\$ 912,240	\$ 17,140,512
501-1000	\$ 2,478,244	\$ 4,034,934	\$ 427,461	\$ 6,940,639	S	\$ 1,630,523	\$ 2,727,989	\$ 188,784	\$ 4,547,296
1001-3,000	\$ 3,914,358	\$ 5,800,736	\$ 461,040	\$ 10,176,134	M	\$ 2,547,659	\$ 4,700,534	\$ 208,280	\$ 7,457,473
3,301-10,000	\$ 1,889,875	\$ 3,720,311	\$ 188,784	\$ 5,800,970	L	\$ 947,812	\$ 1,586,757	\$ 22,880	\$ 2,557,449
10,001-50,000	\$ 557,784	\$ 980,223	\$ 169,260	\$ 1,707,267		\$ 55,106,923	\$ 65,716,292	\$ 6,248,112	\$ 127,071,328
50,001-100,000	\$ 947,812	\$ 1,586,757	\$ 40,020	\$ 2,557,449					
100,001-1,000,000	\$ 55,106,923	\$ 65,716,292	\$ 22,880	\$ 127,071,328					

Results (MCL 500)

PUBLIC

Monitoring Costs

Monitoring Cost \$ Cost 50 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	1190.6	1063	\$ 238,112	\$	VVS	5938.6	4987	\$ 1,187,720	\$ 238
101-500	4748.0	3924	\$ 949,608	\$	VS	9913.5	242	\$ 6281	\$ 317
501-1000	3550.4	2518	\$ 710,076	\$	S	4336.8	1902	\$ 867,312	\$ 456
1001-3,300	6363.1	3743	\$ 1,272,620	\$	M	4871.4	1110	\$ 974,280	\$ 878
3,301-10,000	4336.8	1902	\$ 867,312	\$	L	457.6	52	\$ 91,520	\$ 1,760
10,001-50,000	3888.3	997	\$ 777,960	\$					
50,001-100,000	993.1	113	\$ 186,620	\$					
100,001-1,000,000	457.6	52	\$ 91,520	\$					

Totals

System Size	O&M Cost	Annual Cap Cost	Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 1,732,298	\$ 1,856,503	\$ 19,668,458	\$ 238,112	\$ 3,825,973	VVS	\$ 11,090,058	\$ 13,180,372	\$ 1,187,720	\$ 25,458,150
101-500	\$ 9,357,761	\$ 11,323,808	\$ 119,964,888	\$ 849,808	\$ 21,631,177	VS	\$ 13,627,956	\$ 20,621,756	\$ 1,992,898	\$ 36,242,610
501-1000	\$ 3,582,267	\$ 5,846,022	\$ 91,932,844	\$ 710,076	\$ 10,136,365	S	\$ 5,976,441	\$ 9,959,378	\$ 867,312	\$ 16,803,131
1001-3,300	\$ 10,045,688	\$ 14,775,733	\$ 156,534,329	\$ 1,272,620	\$ 28,094,042	M	\$ 9,503,218	\$ 17,247,238	\$ 974,280	\$ 27,724,734
3,301-10,000	\$ 5,976,441	\$ 9,959,378	\$ 105,509,795	\$ 867,312	\$ 16,803,131	L	\$ 2,721,497	\$ 4,527,109	\$ 91,520	\$ 7,340,126
10,001-50,000	\$ 7,298,690	\$ 13,418,547	\$ 142,158,277	\$ 777,860	\$ 21,494,897		\$ 42,919,170	\$ 65,535,851	\$ 5,103,528	\$ 113,558,548
50,001-100,000	\$ 2,204,528	\$ 3,828,689	\$ 40,561,187	\$ 196,620	\$ 6,229,037					
100,001-1,000,000	\$ 2,721,497	\$ 4,527,109	\$ 47,960,257	\$ 91,520	\$ 7,340,128					
Total	\$ 42,919,170	\$ 65,535,851	\$ 894,287,734	\$ 5,103,528	\$ 113,558,548					

Per System Costs

System Size	O&M Cost	Annual Cap Cost	No. of Sites Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System Above Reg. Limit	System Size	O&M Cost	Annual Cap Cost	No. of Sites Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System Above Reg. Limit
25-100	\$ 1,732,298	\$ 1,856,503	396	\$ 77,223	\$ 194.77	VVS	\$ 11,090,058	\$ 13,180,372	1,978	\$ 365,653	\$ 14,858
101-500	\$ 9,357,761	\$ 11,323,808	1,592	\$ 318,330	\$ 200.02	VS	\$ 13,627,956	\$ 20,621,756	1,932	\$ 396,354	\$ 28,399
501-1000	\$ 3,582,267	\$ 5,846,022	892	\$ 138,367	\$ 155.12	S	\$ 5,976,441	\$ 9,959,378	539	\$ 107,584	\$ 68,013
1001-3,300	\$ 10,045,688	\$ 14,775,733	1,240	\$ 247,996	\$ 199.99	M	\$ 9,503,218	\$ 17,247,238	636	\$ 127,513	\$ 185,014
3,301-10,000	\$ 5,976,441	\$ 9,959,378	538	\$ 107,584	\$ 199.99	L	\$ 2,721,497	\$ 4,527,109	60	\$ 11,978	\$ 1,066,840
10,001-50,000	\$ 7,298,690	\$ 13,418,547	509	\$ 101,779	\$ 160.67						
50,001-100,000	\$ 2,204,528	\$ 3,828,689	129	\$ 25,733	\$ 199.46						
100,001-1,000,000	\$ 2,721,497	\$ 4,527,109	60	\$ 6,300	\$ 105.00						

Household Costs HH Consumption (gal):

System Size	O&M Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	No. of Sys. Above Reg. Limit	HH Incremental Cost	System Size	O&M Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	No. of Sys. Above Reg. Limit	HH Incremental Cost
25-100	\$ 1,732,298	\$ 1,856,503	\$ 77,223	0.0071	345	\$ 339.86	VVS	\$ 11,090,058	\$ 13,180,372	\$ 395,553	0.0289	1,860.2	\$ 118.81
101-500	\$ 9,357,761	\$ 11,323,808	\$ 318,330	0.0346	1,315	\$ 104.80	VS	\$ 13,627,956	\$ 20,621,756	\$ 396,354	0.1878	1,220.0	\$ 34.37
501-1000	\$ 3,582,267	\$ 5,846,022	\$ 138,367	0.0947	491	\$ 48.82	S	\$ 5,976,441	\$ 9,959,378	\$ 107,584	0.8252	235.9	\$ 18.74
1001-3,300	\$ 10,045,688	\$ 14,775,733	\$ 247,996	0.2505	729	\$ 31.21	M	\$ 9,503,218	\$ 17,247,238	\$ 127,513	4.0158	145.3	\$ 10.48
3,301-10,000	\$ 5,976,441	\$ 9,959,378	\$ 107,584	0.8252	236	\$ 18.74	L	\$ 2,721,497	\$ 4,527,109	\$ 11,978	37.5802	6.8	\$ 6.45
10,001-50,000	\$ 7,298,690	\$ 13,418,547	\$ 101,779	3.2049	130	\$ 11.32							
50,001-100,000	\$ 2,204,528	\$ 3,828,689	\$ 25,733	11.1710	15	\$ 8.34							
100,001-1,000,000	\$ 2,721,497	\$ 4,527,109	\$ 11,978	37.5802	7	\$ 6.45							

PUBLIC

Monitoring Costs
 Cost \$ 50
 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	1190.0	1063	\$ 238,112	\$	VVS	5638.0	4987	\$ 1,187,720	\$ 239
101-500	4748.0	3924	\$ 948,608	\$	VS	9913.5	8281	\$ 1,982,696	\$ 317
501-1000	3550.4	2518	\$ 710,076	\$	S	4338.0	1902	\$ 867,312	\$ 456
1001-3,000	6393.1	3743	\$ 1,272,620	\$	M	4671.4	1110	\$ 974,280	\$ 878
3,301-10,000	4336.0	1602	\$ 867,312	\$	L	457.6	52	\$ 91,520	\$ 1,760
10,001-50,000	3888.3	987	\$ 777,680	\$					
50,001-100,000	983.1	113	\$ 196,820	\$					
100,001-1,000,000	457.6	52	\$ 91,520	\$					

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 1,229,539	\$ 1,353,177	\$ 238,112	\$ 2,820,828	VVS	\$ 8,340,786	\$ 10,123,918	\$ 1,187,720	\$ 19,652,424
101-500	\$ 7,111,247	\$ 8,770,741	\$ 949,608	\$ 16,831,596	VS	\$ 8,776,529	\$ 13,212,718	\$ 1,982,696	\$ 23,971,942
501-1000	\$ 2,307,150	\$ 3,745,089	\$ 39,675,523	\$ 7,10,078	S	\$ 3,150,682	\$ 5,247,074	\$ 967,574	\$ 9,365,330
1001-3,000	\$ 6,471,378	\$ 9,487,629	\$ 100,300,199	\$ 1,272,620	M	\$ 5,002,287	\$ 9,125,166	\$ 96,672,137	\$ 107,699,580
3,301-10,000	\$ 3,150,682	\$ 5,247,074	\$ 55,587,574	\$ 667,312	L	\$ 1,442,828	\$ 2,399,020	\$ 91,520	\$ 3,933,368
10,001-50,000	\$ 3,632,684	\$ 7,093,943	\$ 75,153,333	\$ 777,680	Total	\$ 26,714,889	\$ 40,107,898	\$ 5,103,528	\$ 71,926,315
50,001-100,000	\$ 1,189,583	\$ 2,031,223	\$ 196,820	\$ 3,397,626					
100,001-1,000,000	\$ 1,442,828	\$ 2,399,020	\$ 91,520	\$ 4,933,368					
Total	\$ 26,714,889	\$ 40,107,898	\$ 5,103,528	\$ 71,926,315					

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 1,229,539	\$ 1,353,177	\$ 238,112	\$ 2,820,828	VVS	\$ 8,340,786	\$ 10,123,918	\$ 1,187,720	\$ 19,652,424
101-500	\$ 7,111,247	\$ 8,770,741	\$ 949,608	\$ 16,831,596	VS	\$ 8,776,529	\$ 13,212,718	\$ 1,982,696	\$ 23,971,942
501-1000	\$ 2,307,150	\$ 3,745,089	\$ 39,675,523	\$ 7,10,078	S	\$ 3,150,682	\$ 5,247,074	\$ 967,574	\$ 9,365,330
1001-3,000	\$ 6,471,378	\$ 9,487,629	\$ 100,300,199	\$ 1,272,620	M	\$ 5,002,287	\$ 9,125,166	\$ 96,672,137	\$ 107,699,580
3,301-10,000	\$ 3,150,682	\$ 5,247,074	\$ 55,587,574	\$ 667,312	L	\$ 1,442,828	\$ 2,399,020	\$ 91,520	\$ 3,933,368
10,001-50,000	\$ 3,632,684	\$ 7,093,943	\$ 75,153,333	\$ 777,680	Total	\$ 26,714,889	\$ 40,107,898	\$ 5,103,528	\$ 71,926,315
50,001-100,000	\$ 1,189,583	\$ 2,031,223	\$ 196,820	\$ 3,397,626					
100,001-1,000,000	\$ 1,442,828	\$ 2,399,020	\$ 91,520	\$ 4,933,368					

Household Costs HH Consumption (gal):

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 1,229,539	\$ 1,353,177	\$ 238,112	\$ 2,820,828	VVS	\$ 8,340,786	\$ 10,123,918	\$ 1,187,720	\$ 19,652,424
101-500	\$ 7,111,247	\$ 8,770,741	\$ 949,608	\$ 16,831,596	VS	\$ 8,776,529	\$ 13,212,718	\$ 1,982,696	\$ 23,971,942
501-1000	\$ 2,307,150	\$ 3,745,089	\$ 39,675,523	\$ 7,10,078	S	\$ 3,150,682	\$ 5,247,074	\$ 967,574	\$ 9,365,330
1001-3,000	\$ 6,471,378	\$ 9,487,629	\$ 100,300,199	\$ 1,272,620	M	\$ 5,002,287	\$ 9,125,166	\$ 96,672,137	\$ 107,699,580
3,301-10,000	\$ 3,150,682	\$ 5,247,074	\$ 55,587,574	\$ 667,312	L	\$ 1,442,828	\$ 2,399,020	\$ 91,520	\$ 3,933,368
10,001-50,000	\$ 3,632,684	\$ 7,093,943	\$ 75,153,333	\$ 777,680	Total	\$ 26,714,889	\$ 40,107,898	\$ 5,103,528	\$ 71,926,315
50,001-100,000	\$ 1,189,583	\$ 2,031,223	\$ 196,820	\$ 3,397,626					
100,001-1,000,000	\$ 1,442,828	\$ 2,399,020	\$ 91,520	\$ 4,933,368					

Private

Monitoring Costs

Cost Frequency
\$ 50 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	13316.8	11890	\$ 2,063,360	\$ 224	VVS	24574.6	21194.0	\$ 4,914,928	\$ 232
101-600	11257.8	9304	\$ 2,251,568	\$ 242	VS	4581.2	2958.0	\$ 912,240	\$ 309
501-1000	2256.0	1600	\$ 451,200	\$ 282	S	943.9	414.0	\$ 188,784	\$ 458
1001-3,300	2305.2	1356	\$ 461,040	\$ 340	M	1048.4	240.0	\$ 209,280	\$ 872
3,301-10,000	848.9	414	\$ 188,764	\$ 458	L	114.4	13.0	\$ 22,860	\$ 1,760
10,001-50,000	200.1	217	\$ 169,260	\$ 780					
50,001-100,000	114.4	23	\$ 40,020	\$ 1,740					
100,001-1,000,000	114.4	13	\$ 22,860	\$ 1,760					

Totals

System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Total Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Total Annual Monitoring Cost	Total Annual Cost
25-100	\$ 12,794,447	\$ 13,156,875	\$ 139,403,188	\$ 2,663,360	\$ 28,618,482	VVS	\$ 26,674,732	\$ 29,620,192	\$ 313,799,736	\$ 4,914,928	\$ 61,209,652
101-500	\$ 13,890,285	\$ 16,461,517	\$ 174,393,548	\$ 2,251,568	\$ 32,595,370	VS	\$ 3,201,560	\$ 4,879,854	\$ 51,697,239	\$ 912,240	\$ 8,983,654
501-1000	\$ 1,241,160	\$ 1,999,496	\$ 21,182,684	\$ 451,200	\$ 3,691,855	S	\$ 582,171	\$ 973,900	\$ 10,317,515	\$ 188,784	\$ 1,744,856
1001-3,300	\$ 1,980,400	\$ 2,880,358	\$ 30,514,558	\$ 461,040	\$ 5,301,799	M	\$ 938,895	\$ 1,724,984	\$ 18,274,614	\$ 209,280	\$ 2,871,169
3,301-10,000	\$ 582,171	\$ 973,900	\$ 10,317,515	\$ 188,764	\$ 1,744,856	L	\$ 348,873	\$ 580,495	\$ 6,149,770	\$ 22,860	\$ 950,248
10,001-50,000	\$ 732,501	\$ 1,385,811	\$ 14,469,423	\$ 169,260	\$ 2,267,572		\$ 31,742,231	\$ 37,779,435	\$ 400,235,674	\$ 6,248,112	\$ 7,765,778
50,001-100,000	\$ 204,384	\$ 359,183	\$ 3,805,191	\$ 40,020	\$ 603,597						
100,001-1,000,000	\$ 348,873	\$ 580,495	\$ 6,149,770	\$ 22,860	\$ 950,248						
Total	\$ 31,742,231	\$ 37,779,435	\$ 400,235,674	\$ 6,248,112	\$ 7,765,778						

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	No. of Sys. Above Reg. Limit	Cost per System	System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	No. of Sys. Above Reg. Limit	Cost per System
25-100	\$ 12,794,447	\$ 13,156,875	\$ 139,403,188	\$ 3,177	83,000	\$ 39.7	VVS	\$ 26,674,732	\$ 29,620,192	\$ 29,620,192	\$ 1,224,027	6,268.9	\$ 10,917
101-500	\$ 13,890,285	\$ 16,461,517	\$ 174,393,548	\$ 2,943	2,943	\$ 12.7	VS	\$ 3,201,560	\$ 4,879,854	\$ 4,879,854	\$ 570	114,084	\$ 22,170
501-1000	\$ 1,241,160	\$ 1,999,496	\$ 21,182,684	\$ 282	200	\$ 16.7	S	\$ 582,171	\$ 973,900	\$ 973,900	\$ 62	12,338	\$ 57,987
1001-3,300	\$ 1,980,400	\$ 2,880,358	\$ 30,514,558	\$ 288	170	\$ 28.9	M	\$ 938,895	\$ 1,724,984	\$ 1,724,984	\$ 73	14,578	\$ 160,101
3,301-10,000	\$ 582,171	\$ 973,900	\$ 10,317,515	\$ 82	27	\$ 57.9	L	\$ 348,873	\$ 580,495	\$ 580,495	\$ 6	1,594	\$ 1,025,884
10,001-50,000	\$ 732,501	\$ 1,385,811	\$ 14,469,423	\$ 59	15	\$ 139.0							
50,001-100,000	\$ 204,384	\$ 359,183	\$ 3,805,191	\$ 14	2	\$ 353.5							
100,001-1,000,000	\$ 348,873	\$ 580,495	\$ 6,149,770	\$ 8	1	\$ 1,025.8							

Household Costs HH Consumption (gall):

System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	HH Incremental Cost	System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	HH Incremental Cost
25-100	\$ 12,794,447	\$ 13,156,875	\$ 139,403,188	\$ 3,177	0.0052	\$ 411.98	VVS	\$ 26,674,732	\$ 29,620,192	\$ 29,620,192	\$ 1,224,027	0.0127	\$ 194.72
101-500	\$ 13,890,285	\$ 16,461,517	\$ 174,393,548	\$ 2,943	0.0216	\$ 133.98	VS	\$ 3,201,560	\$ 4,879,854	\$ 4,879,854	\$ 114,084	0.1274	\$ 38.58
501-1000	\$ 1,241,160	\$ 1,999,496	\$ 21,182,684	\$ 282	0.0728	\$ 51.63	S	\$ 582,171	\$ 973,900	\$ 973,900	\$ 12,338	0.8543	\$ 20.16
1001-3,300	\$ 1,980,400	\$ 2,880,358	\$ 30,514,558	\$ 288	0.1922	\$ 34.18	M	\$ 938,895	\$ 1,724,984	\$ 1,724,984	\$ 14,578	3.3474	\$ 10.88
3,301-10,000	\$ 582,171	\$ 973,900	\$ 10,317,515	\$ 82	0.6543	\$ 20.15	L	\$ 348,873	\$ 580,495	\$ 580,495	\$ 1,594	36.0777	\$ 6.47
10,001-50,000	\$ 732,501	\$ 1,385,811	\$ 14,469,423	\$ 59	11.790	\$ 11.60							
50,001-100,000	\$ 204,384	\$ 359,183	\$ 3,805,191	\$ 14	2.788	\$ 8.81							
100,001-1,000,000	\$ 348,873	\$ 580,495	\$ 6,149,770	\$ 8	9.1202	\$ 6.47							

Results (1000 MCL)

PUBLIC

Monitoring Costs

Monitoring Cost \$ Cost Frequency

50 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	1190.0	1063	\$ 238,112	\$	VVS	5638.6	4987	\$ 1,187,720	\$
101-500	4748.0	3924	\$ 949,608	\$	VS	9913.5	6281	\$ 1,982,696	\$
501-1000	3550.4	2518	\$ 710,078	\$	S	4336.6	1902	\$ 867,312	\$
1001-3,300	8363.1	3743	\$ 1,272,820	\$	M	4871.4	1110	\$ 974,280	\$
3,301-10,000	4338.8	1902	\$ 867,312	\$	L	457.6	52	\$ 91,520	\$
10,001-50,000	3886.3	997	\$ 777,660	\$					
50,001-100,000	983.1	113	\$ 196,620	\$					
100,001-1,000,000	457.6	52	\$ 91,520	\$					

Totals

System Size	O&M Cost	Annual Cap Cost	Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 826,364	\$ 927,172	\$ 9,822,476	\$ 236,112	\$ 1,069,648	VVS	\$ 6,063,740	\$ 7,488,483	\$ 79,333,092	\$ 1,187,720	\$ 14,739,843
101-500	\$ 5,237,376	\$ 6,561,310	\$ 69,510,616	\$ 949,608	\$ 12,748,295	VS	\$ 5,101,315	\$ 7,845,218	\$ 80,993,546	\$ 1,982,696	\$ 14,729,229
501-1000	\$ 1,341,182	\$ 2,162,216	\$ 22,908,551	\$ 710,078	\$ 4,213,475	S	\$ 1,557,443	\$ 2,592,421	\$ 27,464,147	\$ 867,312	\$ 5,017,176
1001-3,300	\$ 3,760,133	\$ 5,483,001	\$ 58,088,995	\$ 1,272,820	\$ 10,515,754	M	\$ 2,397,121	\$ 4,308,227	\$ 45,820,234	\$ 974,280	\$ 7,677,629
3,301-10,000	\$ 1,557,443	\$ 2,592,421	\$ 27,464,147	\$ 867,312	\$ 5,017,176	L	\$ 874,093	\$ 1,120,795	\$ 11,873,716	\$ 91,520	\$ 1,866,407
10,001-50,000	\$ 1,850,358	\$ 3,358,668	\$ 35,560,564	\$ 777,660	\$ 5,984,682		\$ 15,793,712	\$ 23,153,144	\$ 245,284,735	\$ 5,103,528	\$ 272,190,884
50,001-100,000	\$ 548,765	\$ 849,562	\$ 10,059,669	\$ 196,620	\$ 1,592,947						
100,001-1,000,000	\$ 874,093	\$ 1,120,795	\$ 11,873,716	\$ 91,520	\$ 1,866,407						
Total	\$ 15,793,712	\$ 23,153,144	\$ 245,284,735	\$ 5,103,528	\$ 44,050,384						

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	No. of Sites Above Reg. Limit	Cost per System	System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	No. of Sites Above Reg. Limit	Cost per System
25-100	\$ 826,364	\$ 927,172	\$ 9,822,476	\$ 188	178	\$ 10,185	VVS	\$ 6,063,740	\$ 7,488,483	\$ 7,488,483	\$ 1,135	227,068	\$ 14,482
101-500	\$ 5,237,376	\$ 6,561,310	\$ 69,510,616	\$ 938	775	\$ 15,464	VS	\$ 5,101,315	\$ 7,845,218	\$ 7,845,218	\$ 719	143,739	\$ 26,389
501-1000	\$ 1,341,182	\$ 2,162,216	\$ 22,908,551	\$ 257	183	\$ 19,474	S	\$ 1,557,443	\$ 2,592,421	\$ 2,592,421	\$ 140	28,011	\$ 61.4
1001-3,300	\$ 3,760,133	\$ 5,483,001	\$ 58,088,995	\$ 481	271	\$ 34,403	M	\$ 2,397,121	\$ 4,308,227	\$ 4,308,227	\$ 159	31,781	\$ 36.2
3,301-10,000	\$ 1,557,443	\$ 2,592,421	\$ 27,464,147	\$ 140	61	\$ 68,013	L	\$ 874,093	\$ 1,120,795	\$ 1,120,795	\$ 15	2,985	\$ 1,059,921
10,001-50,000	\$ 1,850,358	\$ 3,358,668	\$ 35,560,564	\$ 127	33	\$ 180,888							
50,001-100,000	\$ 548,765	\$ 849,562	\$ 10,059,669	\$ 32	4	\$ 407,664							
100,001-1,000,000	\$ 874,093	\$ 1,120,795	\$ 11,873,716	\$ 15	2	\$ 1,059,921							

Household Costs HH Consumption (gal):

System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	No. of Sites Above Reg. Limit	Average Daily Flow (MGD)	System Size	O&M Cost	Annual Cap Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	No. of Sites Above Reg. Limit	Average Daily Flow (MGD)	HH Incremental Cost
25-100	\$ 826,364	\$ 927,172	\$ 9,822,476	\$ 39,512	176	\$ 0.0071	VVS	\$ 6,063,740	\$ 7,488,483	\$ 7,488,483	\$ 227,068	0.0265	851.5	\$ 111.49
101-500	\$ 5,237,376	\$ 6,561,310	\$ 69,510,616	\$ 187,577	775	\$ 0.0346	VS	\$ 5,101,315	\$ 7,845,218	\$ 7,845,218	\$ 143,739	0.1878	453.9	\$ 34.38
501-1000	\$ 1,341,182	\$ 2,162,216	\$ 22,908,551	\$ 92,281	183	\$ 0.0947	S	\$ 1,557,443	\$ 2,592,421	\$ 2,592,421	\$ 28,011	0.8252	81.4	\$ 18.74
1001-3,300	\$ 3,760,133	\$ 5,483,001	\$ 58,088,995	\$ 28,011	271	\$ 0.2505	M	\$ 2,397,121	\$ 4,308,227	\$ 4,308,227	\$ 31,781	4.0158	38.2	\$ 10.53
3,301-10,000	\$ 1,557,443	\$ 2,592,421	\$ 27,464,147	\$ 25,387	61	\$ 0.8252	L	\$ 874,093	\$ 1,120,795	\$ 1,120,795	\$ 2,985	37.5902	1.7	\$ 6.41
10,001-50,000	\$ 1,850,358	\$ 3,358,668	\$ 35,560,564	\$ 6,414	33	\$ 11.42								
50,001-100,000	\$ 548,765	\$ 849,562	\$ 10,059,669	\$ 11,710	4	\$ 6.30								
100,001-1,000,000	\$ 874,093	\$ 1,120,795	\$ 11,873,716	\$ 37,5902	2	\$ 6.41								

PRIVATE

Monitoring Costs
Monitoring Cost \$ Cost Frequency

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	13316.8	11690	\$ 2,693,360	\$ 224
101-500	11257.8	9304	\$ 2,251,568	\$ 242
501-1000	2258.0	1800	\$ 451,200	\$ 282
1001-3,300	2305.2	1356	\$ 481,040	\$ 340
3,301-10,000	943.9	414	\$ 188,784	\$ 456
10,001-50,000	848.3	217	\$ 169,260	\$ 780
50,001-100,000	200.1	23	\$ 40,020	\$ 1,740
100,001-1,000,000	114.4	13	\$ 22,860	\$ 1,760

Totals

System Size	O&M Cost	Annual Cap Cost	Total Annual Monitoring Cost	Total Annual Cost	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	\$ 8,620,062	\$ 9,019,509	\$ 2,693,360	\$ 20,332,931	VVS	24574.6	21194.0	\$ 4,914,928	\$ 232
101-500	\$ 10,224,854	\$ 12,304,744	\$ 2,251,568	\$ 24,781,166	VS	4591.2	2856.0	\$ 912,240	\$ 308
501-1000	\$ 721,236	\$ 1,153,746	\$ 451,200	\$ 2,326,182	S	943.9	414.0	\$ 188,784	\$ 456
1001-3,300	\$ 1,138,718	\$ 1,667,121	\$ 481,040	\$ 3,266,879	M	1046.4	240.0	\$ 208,260	\$ 872
3,301-10,000	\$ 287,767	\$ 481,154	\$ 188,784	\$ 957,705	L	114.4	13.0	\$ 22,860	\$ 1,760
10,001-50,000	\$ 353,363	\$ 645,804	\$ 169,260	\$ 1,168,227	Total			\$ 21,324,253	\$ 225,909,437
50,001-100,000	\$ 95,560	\$ 167,928	\$ 40,020	\$ 303,508				\$ 2,820,868	\$ 28,884,311
100,001-1,000,000	\$ 162,084	\$ 271,208	\$ 22,860	\$ 456,170				\$ 481,154	\$ 5,097,351
Total	\$ 21,603,644	\$ 25,711,010	\$ 6,248,112	\$ 53,562,766				\$ 813,530	\$ 8,618,548

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	\$ 6,620,062	\$ 9,019,509	\$ 2,210	\$ 19,641,781	VVS	4,434	886,703	\$ 4,914,928	\$ 10,774
101-500	\$ 10,224,854	\$ 12,304,744	\$ 2,224	\$ 22,531,822	VS	331	66,134	\$ 912,240	\$ 22,161
501-1000	\$ 721,236	\$ 1,153,746	\$ 184	\$ 1,875,166	S	30	6,097	\$ 188,784	\$ 57,064
1001-3,300	\$ 1,138,718	\$ 1,667,121	\$ 167	\$ 2,805,906	M	34	6,827	\$ 208,260	\$ 162,130
3,301-10,000	\$ 287,767	\$ 481,154	\$ 30	\$ 768,951	L	4	746	\$ 22,860	\$ 1,023,539
10,001-50,000	\$ 353,363	\$ 645,804	\$ 28	\$ 1,009,395				\$ 481,154	\$ 8,618,548
50,001-100,000	\$ 95,560	\$ 167,928	\$ 7	\$ 263,495				\$ 813,530	\$ 8,618,548
100,001-1,000,000	\$ 162,084	\$ 271,208	\$ 4	\$ 433,296				\$ 271,208	\$ 8,618,548

Household Costs HH Consumption (gall):

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Average Daily Flow (MGD)	HH Incremental Cost
25-100	\$ 8,620,062	\$ 9,019,509	\$ 441,948	\$ 18,081,519	VVS	1,973	402,77	\$ 886,703	0.0131	\$ 187.21
101-500	\$ 10,224,854	\$ 12,304,744	\$ 444,753	\$ 22,974,351	VS	1,838	131,72	\$ 66,134	0.1274	\$ 38.52
501-1000	\$ 721,236	\$ 1,153,746	\$ 32,711	\$ 1,907,733	S	116	51,53	\$ 66,134	0.1274	\$ 214.3
1001-3,300	\$ 1,138,718	\$ 1,667,121	\$ 33,424	\$ 2,839,263	M	88	34,17	\$ 6,097	0.6543	\$ 13.4
3,301-10,000	\$ 287,767	\$ 481,154	\$ 6,097	\$ 774,918	L	13	20,15	\$ 6,827	3.3474	\$ 7.9
10,001-50,000	\$ 353,363	\$ 645,804	\$ 5,521	\$ 1,004,688		7	11,80	\$ 746	0.8543	\$ 11.01
50,001-100,000	\$ 95,560	\$ 167,928	\$ 1,305	\$ 264,793		1	8,80	\$ 4	3.3474	\$ 7.9
100,001-1,000,000	\$ 162,084	\$ 271,208	\$ 746	\$ 433,296		0	6,45	\$ 4	3.3474	\$ 7.9

Results (2000 MCL)

PUBLIC

Monitoring Costs
 Cost \$ 50
 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	1190.6	1063	\$ 238,112	\$	VVS	5938.6	4987	\$ 1,187,720	\$ 238
101-500	4748.0	3924	\$ 848,608	\$	VS	9913.5	6261	\$ 1,982,696	\$ 317
501-1000	3550.4	2518	\$ 710,078	\$	S	4336.6	1802	\$ 867,312	\$ 458
1001-3,300	6363.1	3743	\$ 1,272,820	\$	M	4871.4	1110	\$ 974,280	\$ 878
3,301-10,000	4338.6	1902	\$ 867,312	\$	L	457.8	52	\$ 91,520	\$ 1,780
10,001-50,000	3888.3	897	\$ 777,660	\$					
50,001-100,000	983.1	113	\$ 196,620	\$					
100,001-1,000,000	457.6	52	\$ 91,520	\$					

System Size	O&M Cost	Annual Cap Cost	Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 340,909	\$ 400,672	\$ 4,244,725	\$ 238,112	\$ 978,683	VVS	\$ 3,074,459	\$ 3,871,056	\$ 42,009,421	\$ 1,187,720	\$ 8,233,235
101-500	\$ 2,733,550	\$ 3,570,384	\$ 37,824,895	\$ 848,608	\$ 7,253,542	VS	\$ 1,572,200	\$ 2,338,523	\$ 24,774,342	\$ 1,982,696	\$ 5,893,418
501-1000	\$ 413,320	\$ 660,727	\$ 6,959,754	\$ 710,078	\$ 1,784,124	S	\$ 409,208	\$ 672,407	\$ 7,123,487	\$ 867,312	\$ 1,948,927
1001-3,300	\$ 1,158,879	\$ 1,677,995	\$ 17,774,588	\$ 1,272,820	\$ 4,108,295	M	\$ 443,582	\$ 794,335	\$ 8,415,198	\$ 974,280	\$ 2,212,197
3,301-10,000	\$ 408,208	\$ 672,407	\$ 7,123,487	\$ 867,312	\$ 1,948,927	L	\$ 123,953	\$ 208,028	\$ 2,182,844	\$ 91,520	\$ 421,499
10,001-50,000	\$ 342,952	\$ 619,578	\$ 6,563,787	\$ 777,660	\$ 1,740,188		\$ 5,623,401	\$ 7,982,346	\$ 84,565,091	\$ 5,103,528	\$ 1,055,278
50,001-100,000	\$ 100,630	\$ 174,759	\$ 1,851,400	\$ 196,620	\$ 421,009						
100,001-1,000,000	\$ 123,953	\$ 208,028	\$ 2,182,844	\$ 91,520	\$ 421,499						
Total	\$ 5,623,401	\$ 7,982,346	\$ 84,565,091	\$ 5,103,528	\$ 18,709,278						

Per System Costs

System Size	O&M Cost	Annual Cap Cost	No. of Sites Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System Above Reg. Limit	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	No. of Sites Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System Above Reg. Limit
25-100	\$ 340,909	\$ 400,672	87	\$ 17,454	\$ 78	VVS	\$ 3,074,459	\$ 3,871,056	\$ 607	121,290	\$ 121,290	\$ 607.4
101-500	\$ 2,733,550	\$ 3,570,384	520	\$ 103,936	\$ 429	VS	\$ 1,572,200	\$ 2,338,523	\$ 220	44,079	\$ 44,079	\$ 139.2
501-1000	\$ 413,320	\$ 660,727	79	\$ 15,786	\$ 56	S	\$ 409,208	\$ 672,407	\$ 37	7,301	\$ 7,301	\$ 16.0
1001-3,300	\$ 1,158,879	\$ 1,677,995	141	\$ 28,283	\$ 83	M	\$ 443,582	\$ 794,335	\$ 29	5,868	\$ 5,868	\$ 8.7
3,301-10,000	\$ 408,208	\$ 672,407	37	\$ 7,301	\$ 10	L	\$ 123,953	\$ 208,028	\$ 3	551	\$ 551	\$ 0.3
10,001-50,000	\$ 342,952	\$ 619,578	23	\$ 4,684	\$ 6							
50,001-100,000	\$ 100,630	\$ 174,759	6	\$ 1,184	\$ 1							
100,001-1,000,000	\$ 123,953	\$ 208,028	3	\$ 551	\$ 0							

Household Costs HH Consumption (gall):

System Size	O&M Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	No. of Sys. Above Reg. Limit	HH Incremental Cost	System Size	O&M Cost	Annual Cap Cost	Monitoring Cost for Systems Above Reg. Limit	Average Daily Flow (MGD)	No. of Sys. Above Reg. Limit	HH Incremental Cost
25-100	\$ 340,909	\$ 400,672	\$ 17,454	0.0071	78	\$ 311.34	VVS	\$ 3,074,459	\$ 3,971,056	\$ 121,390	0.0004	607.4	\$ 106.61
101-500	\$ 2,733,550	\$ 3,570,384	\$ 103,936	0.0346	429	\$ 97.84	VS	\$ 1,572,200	\$ 2,338,523	\$ 44,079	0.1878	139.2	\$ 34.40
501-1000	\$ 413,320	\$ 660,727	\$ 15,786	0.0947	56	\$ 46.75	S	\$ 409,208	\$ 672,407	\$ 7,301	0.8252	16.0	\$ 18.74
1001-3,300	\$ 1,158,879	\$ 1,677,995	\$ 28,283	0.2505	83	\$ 31.26	M	\$ 443,582	\$ 794,335	\$ 5,868	4.0158	6.7	\$ 10.53
3,301-10,000	\$ 408,208	\$ 672,407	\$ 7,301	0.8252	10	\$ 18.74	L	\$ 123,953	\$ 208,028	\$ 551	37.5802	0.3	\$ 6.38
10,001-50,000	\$ 342,952	\$ 619,578	\$ 4,684	3.2048	6	\$ 11.43							
50,001-100,000	\$ 100,630	\$ 174,759	\$ 1,184	11.1710	1	\$ 8.27							
100,001-1,000,000	\$ 123,953	\$ 208,028	\$ 551	37.5802	0	\$ 6.38							

Results (2000 MCL)

PRIVATE

Monitoring Costs
 Cost \$ 50
 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	13316.8	11890	\$ 2,663,360	\$ 224	VS	24574.6	21194.0	\$ 4,914,928	\$ 232
101-500	11257.8	8304	\$ 2,251,568	\$ 242	VS	4561.2	2858.0	\$ 912,240	\$ 309
501-1000	2258.0	1600	\$ 451,200	\$ 282	S	943.9	414.0	\$ 188,784	\$ 456
1001-3,300	2305.2	1356	\$ 481,040	\$ 340	M	1046.4	240.0	\$ 209,280	\$ 872
3,301-10,000	943.9	414	\$ 188,784	\$ 456	L	114.4	13.0	\$ 22,880	\$ 1,760
10,001-50,000	846.3	217	\$ 169,260	\$ 780					
50,001-100,000	208.1	23	\$ 40,020	\$ 1,740					
100,001-1,000,000	114.4	13	\$ 22,880	\$ 1,760					

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 3,574,471	\$ 3,899,745	\$ 2,663,360	\$ 10,137,576	VS	\$ 8,913,866	\$ 10,582,503	\$ 4,914,928	\$ 24,411,117
101-500	\$ 5,339,215	\$ 6,882,758	\$ 2,251,568	\$ 14,273,541	VS	\$ 5,728,288	\$ 8,618,228	\$ 9,122,400	\$ 23,468,963
501-1000	\$ 222,110	\$ 352,147	\$ 451,200	\$ 1,025,457	S	\$ 75,533	\$ 124,658	\$ 188,784	\$ 388,978
1001-3,300	\$ 350,718	\$ 509,478	\$ 539,742	\$ 1,321,238	M	\$ 83,079	\$ 150,982	\$ 209,280	\$ 442,420
3,301-10,000	\$ 75,533	\$ 124,658	\$ 188,784	\$ 388,978	L	\$ 29,805	\$ 49,855	\$ 22,880	\$ 102,540
10,001-50,000	\$ 65,488	\$ 118,152	\$ 169,260	\$ 352,900		\$ 8,874,930	\$ 11,768,704	\$ 6,248,112	\$ 27,891,746
50,001-100,000	\$ 17,580	\$ 30,910	\$ 327,484	\$ 400,274					
100,001-1,000,000	\$ 29,805	\$ 49,855	\$ 528,187	\$ 607,847					
Total	\$ 9,874,930	\$ 11,768,704	\$ 124,977,822	\$ 23,861,457					

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 3,574,471	\$ 3,899,745	\$ 2,663,360	\$ 10,137,576	VS	\$ 8,913,866	\$ 10,582,503	\$ 4,914,928	\$ 24,411,117	VS	\$ 8,913,866	\$ 10,582,503	\$ 4,914,928	\$ 24,411,117
101-500	\$ 5,339,215	\$ 6,882,758	\$ 2,251,568	\$ 14,273,541	VS	\$ 5,728,288	\$ 8,618,228	\$ 9,122,400	\$ 23,468,963	VS	\$ 5,728,288	\$ 8,618,228	\$ 9,122,400	\$ 23,468,963
501-1000	\$ 222,110	\$ 352,147	\$ 451,200	\$ 1,025,457	S	\$ 75,533	\$ 124,658	\$ 188,784	\$ 388,978	S	\$ 75,533	\$ 124,658	\$ 188,784	\$ 388,978
1001-3,300	\$ 350,718	\$ 509,478	\$ 539,742	\$ 1,321,238	M	\$ 83,079	\$ 150,982	\$ 209,280	\$ 442,420	M	\$ 83,079	\$ 150,982	\$ 209,280	\$ 442,420
3,301-10,000	\$ 75,533	\$ 124,658	\$ 188,784	\$ 388,978	L	\$ 29,805	\$ 49,855	\$ 22,880	\$ 102,540	L	\$ 29,805	\$ 49,855	\$ 22,880	\$ 102,540
10,001-50,000	\$ 65,488	\$ 118,152	\$ 169,260	\$ 352,900		\$ 8,874,930	\$ 11,768,704	\$ 6,248,112	\$ 27,891,746		\$ 8,874,930	\$ 11,768,704	\$ 6,248,112	\$ 27,891,746
50,001-100,000	\$ 17,580	\$ 30,910	\$ 327,484	\$ 400,274										
100,001-1,000,000	\$ 29,805	\$ 49,855	\$ 528,187	\$ 607,847										

Household Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 3,574,471	\$ 3,899,745	\$ 2,663,360	\$ 10,137,576	VS	\$ 8,913,866	\$ 10,582,503	\$ 4,914,928	\$ 24,411,117	VS	\$ 8,913,866	\$ 10,582,503	\$ 4,914,928	\$ 24,411,117
101-500	\$ 5,339,215	\$ 6,882,758	\$ 2,251,568	\$ 14,273,541	VS	\$ 5,728,288	\$ 8,618,228	\$ 9,122,400	\$ 23,468,963	VS	\$ 5,728,288	\$ 8,618,228	\$ 9,122,400	\$ 23,468,963
501-1000	\$ 222,110	\$ 352,147	\$ 451,200	\$ 1,025,457	S	\$ 75,533	\$ 124,658	\$ 188,784	\$ 388,978	S	\$ 75,533	\$ 124,658	\$ 188,784	\$ 388,978
1001-3,300	\$ 350,718	\$ 509,478	\$ 539,742	\$ 1,321,238	M	\$ 83,079	\$ 150,982	\$ 209,280	\$ 442,420	M	\$ 83,079	\$ 150,982	\$ 209,280	\$ 442,420
3,301-10,000	\$ 75,533	\$ 124,658	\$ 188,784	\$ 388,978	L	\$ 29,805	\$ 49,855	\$ 22,880	\$ 102,540	L	\$ 29,805	\$ 49,855	\$ 22,880	\$ 102,540
10,001-50,000	\$ 65,488	\$ 118,152	\$ 169,260	\$ 352,900		\$ 8,874,930	\$ 11,768,704	\$ 6,248,112	\$ 27,891,746		\$ 8,874,930	\$ 11,768,704	\$ 6,248,112	\$ 27,891,746
50,001-100,000	\$ 17,580	\$ 30,910	\$ 327,484	\$ 400,274										
100,001-1,000,000	\$ 29,805	\$ 49,855	\$ 528,187	\$ 607,847										

Results (MCL 4000)

PUBLIC

Monitoring Costs

Monitoring Cost \$ 50 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	1190.6	1083	\$ 238,112	\$	VVS	5938.6	4887	\$ 1,187,720	\$ 238
101-500	4748.0	3924	\$ 949,608	\$	VS	9913.5	6261	\$ 1,862,696	\$ 317
501-1000	3550.4	2516	\$ 710,076	\$	S	4336.6	1902	\$ 887,312	\$ 456
1001-3,300	6363.1	3743	\$ 1,272,620	\$	M	4871.4	1110	\$ 974,280	\$ 878
3,301-10,000	4336.6	1602	\$ 887,312	\$	L	457.6	52	\$ 91,520	\$ 1,760
10,001-50,000	3888.3	987	\$ 777,660	\$					
50,001-100,000	983.1	113	\$ 196,620	\$					
100,001-1,000,000	457.6	52	\$ 91,520	\$					

Totals

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 117,253	\$ 148,676	\$ 238,112	\$ 505,041	VVS	\$ 1,137,081	\$ 1,879,902	\$ 1,187,720	\$ 4,204,703
101-500	\$ 1,019,828	\$ 1,730,225	\$ 949,608	\$ 3,699,661	VS	\$ 464,417	\$ 679,798	\$ 7,201,786	\$ 8,351,911
501-1000	\$ 122,044	\$ 191,886	\$ 2,032,843	\$ 2,346,773	S	\$ 107,483	\$ 176,532	\$ 867,312	\$ 1,151,328
1001-3,300	\$ 342,372	\$ 487,912	\$ 5,168,943	\$ 6,000,227	M	\$ 72,070	\$ 130,118	\$ 1,378,475	\$ 1,580,663
3,301-10,000	\$ 107,483	\$ 176,532	\$ 1,272,620	\$ 1,556,635	L	\$ 20,378	\$ 33,859	\$ 358,701	\$ 411,938
10,001-50,000	\$ 55,509	\$ 101,359	\$ 777,660	\$ 934,528		\$ 1,801,429	\$ 2,900,208	\$ 3,072,858	\$ 5,774,495
50,001-100,000	\$ 16,560	\$ 28,759	\$ 196,620	\$ 241,939				\$ 145,757	\$ 145,757
100,001-1,000,000	\$ 20,378	\$ 33,859	\$ 91,520	\$ 145,757				\$ 5,103,528	\$ 5,103,528
Total	\$ 1,801,429	\$ 2,900,208	\$ 5,103,528	\$ 9,805,165					

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 117,253	\$ 148,676	\$ 238,112	\$ 505,041	VVS	\$ 1,137,081	\$ 1,879,902	\$ 1,187,720	\$ 4,204,703
101-500	\$ 1,019,828	\$ 1,730,225	\$ 949,608	\$ 3,699,661	VS	\$ 464,417	\$ 679,798	\$ 7,201,786	\$ 8,351,911
501-1000	\$ 122,044	\$ 191,886	\$ 2,032,843	\$ 2,346,773	S	\$ 107,483	\$ 176,532	\$ 867,312	\$ 1,151,328
1001-3,300	\$ 342,372	\$ 487,912	\$ 5,168,943	\$ 6,000,227	M	\$ 72,070	\$ 130,118	\$ 1,378,475	\$ 1,580,663
3,301-10,000	\$ 107,483	\$ 176,532	\$ 1,272,620	\$ 1,556,635	L	\$ 20,378	\$ 33,859	\$ 358,701	\$ 411,938
10,001-50,000	\$ 55,509	\$ 101,359	\$ 777,660	\$ 934,528		\$ 1,801,429	\$ 2,900,208	\$ 3,072,858	\$ 5,774,495
50,001-100,000	\$ 16,560	\$ 28,759	\$ 196,620	\$ 241,939				\$ 145,757	\$ 145,757
100,001-1,000,000	\$ 20,378	\$ 33,859	\$ 91,520	\$ 145,757				\$ 5,103,528	\$ 5,103,528

Household Costs HH Consumption (gal): 83,000

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 117,253	\$ 148,676	\$ 238,112	\$ 505,041	VVS	\$ 1,137,081	\$ 1,879,902	\$ 1,187,720	\$ 4,204,703
101-500	\$ 1,019,828	\$ 1,730,225	\$ 949,608	\$ 3,699,661	VS	\$ 464,417	\$ 679,798	\$ 7,201,786	\$ 8,351,911
501-1000	\$ 122,044	\$ 191,886	\$ 2,032,843	\$ 2,346,773	S	\$ 107,483	\$ 176,532	\$ 867,312	\$ 1,151,328
1001-3,300	\$ 342,372	\$ 487,912	\$ 5,168,943	\$ 6,000,227	M	\$ 72,070	\$ 130,118	\$ 1,378,475	\$ 1,580,663
3,301-10,000	\$ 107,483	\$ 176,532	\$ 1,272,620	\$ 1,556,635	L	\$ 20,378	\$ 33,859	\$ 358,701	\$ 411,938
10,001-50,000	\$ 55,509	\$ 101,359	\$ 777,660	\$ 934,528		\$ 1,801,429	\$ 2,900,208	\$ 3,072,858	\$ 5,774,495
50,001-100,000	\$ 16,560	\$ 28,759	\$ 196,620	\$ 241,939				\$ 145,757	\$ 145,757
100,001-1,000,000	\$ 20,378	\$ 33,859	\$ 91,520	\$ 145,757				\$ 5,103,528	\$ 5,103,528

Results (MCL 4000)

Private

Monitoring Costs

Monitoring Cost \$ 50 Frequency 4

System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System	System Size	No. of Sites	No. of Systems	Total Annual Monitoring Cost	Cost per System
25-100	13316.6	11890	\$ 2,663,360	\$	VVS	24574.6	21194.0	\$ 4,914,928	\$ 232
101-500	11257.6	9304	\$ 2,251,568	\$	VS	4561.2	2956.0	\$ 912,240	\$ 309
501-1000	2256.0	1600	\$ 451,200	\$	S	843.9	414.0	\$ 188,784	\$ 458
1001-3,300	2305.2	1356	\$ 481,040	\$	M	1046.4	240.0	\$ 208,260	\$ 872
3,301-10,000	843.9	414	\$ 188,784	\$	L	114.4	13.0	\$ 22,880	\$ 1,760
10,001-50,000	846.3	217	\$ 189,260	\$ 780					
50,001-100,000	200.1	23	\$ 40,020	\$ 1,740					
100,001-1,000,000	114.4	13	\$ 22,880	\$ 1,760					

Totals

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost
25-100	\$ 1,240,495	\$ 1,457,658	\$ 2,663,360	\$ 5,361,513	VVS	\$ 3,238,851	\$ 4,663,372	\$ 4,914,928	\$ 12,817,151
101-500	\$ 1,998,358	\$ 3,205,714	\$ 2,251,568	\$ 7,455,639	VS	\$ 186,948	\$ 249,736	\$ 912,240	\$ 1,350,922
501-1000	\$ 65,485	\$ 102,004	\$ 1,080,639	\$ 1,248,128	S	\$ 19,839	\$ 32,726	\$ 188,784	\$ 241,346
1001-3,300	\$ 103,482	\$ 147,731	\$ 1,565,069	\$ 1,816,282	M	\$ 13,501	\$ 24,594	\$ 260,546	\$ 298,641
3,301-10,000	\$ 19,839	\$ 32,726	\$ 346,702	\$ 400,267	L	\$ 4,900	\$ 8,194	\$ 86,804	\$ 99,908
10,001-50,000	\$ 10,605	\$ 19,508	\$ 206,848	\$ 236,961		\$ 3,446,037	\$ 4,978,621	\$ 6,246,112	\$ 14,670,770
50,001-100,000	\$ 2,895	\$ 5,088	\$ 53,898	\$ 61,881					
100,001-1,000,000	\$ 4,900	\$ 8,194	\$ 86,804	\$ 99,908					
Total	\$ 3,446,037	\$ 4,978,621	\$ 52,743,562	\$ 62,461,112					

Per System Costs

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	No. of Sys. Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System
25-100	\$ 1,240,495	\$ 1,457,658	\$ 2,663,360	\$ 5,361,513	VVS	\$ 3,238,851	\$ 4,663,372	\$ 4,914,928	\$ 12,817,151	1,021	\$ 204,100	\$ 668.3
101-500	\$ 1,998,358	\$ 3,205,714	\$ 2,251,568	\$ 7,455,639	VS	\$ 186,948	\$ 249,736	\$ 912,240	\$ 1,350,922	30	\$ 5,928	\$ 19.2
501-1000	\$ 65,485	\$ 102,004	\$ 1,080,639	\$ 1,248,128	S	\$ 19,839	\$ 32,726	\$ 188,784	\$ 241,346	2	\$ 417	\$ 0.9
1001-3,300	\$ 103,482	\$ 147,731	\$ 1,565,069	\$ 1,816,282	M	\$ 13,501	\$ 24,594	\$ 260,546	\$ 298,641	1	\$ 208	\$ 0.2
3,301-10,000	\$ 19,839	\$ 32,726	\$ 346,702	\$ 400,267	L	\$ 4,900	\$ 8,194	\$ 86,804	\$ 99,908	0	\$ 0	\$ 0.0
10,001-50,000	\$ 10,605	\$ 19,508	\$ 206,848	\$ 236,961						0	\$ 0	\$ 0.0
50,001-100,000	\$ 2,895	\$ 5,088	\$ 53,898	\$ 61,881						0	\$ 0	\$ 0.0
100,001-1,000,000	\$ 4,900	\$ 8,194	\$ 86,804	\$ 99,908						0	\$ 0	\$ 0.0
Total	\$ 3,446,037	\$ 4,978,621	\$ 52,743,562	\$ 62,461,112						1,021	\$ 204,100	\$ 668.3

Household Costs HH Consumption (gal): 63,000

System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	System Size	O&M Cost	Annual Cap Cost	Annual Monitoring Cost	Total Annual Cost	No. of Sys. Above Reg. Limit	Monitoring Cost for Systems Above Reg. Limit	Cost per System
25-100	\$ 1,240,495	\$ 1,457,658	\$ 2,663,360	\$ 5,361,513	VVS	\$ 3,238,851	\$ 4,663,372	\$ 4,914,928	\$ 12,817,151	334	\$ 364.46	\$ 196.10
101-500	\$ 1,998,358	\$ 3,205,714	\$ 2,251,568	\$ 7,455,639	VS	\$ 186,948	\$ 249,736	\$ 912,240	\$ 1,350,922	10	\$ 51.37	\$ 20.12
501-1000	\$ 65,485	\$ 102,004	\$ 1,080,639	\$ 1,248,128	S	\$ 19,839	\$ 32,726	\$ 188,784	\$ 241,346	9	\$ 34.14	\$ 10.90
1001-3,300	\$ 103,482	\$ 147,731	\$ 1,565,069	\$ 1,816,282	M	\$ 13,501	\$ 24,594	\$ 260,546	\$ 298,641	1	\$ 20.12	\$ 6.39
3,301-10,000	\$ 19,839	\$ 32,726	\$ 346,702	\$ 400,267	L	\$ 4,900	\$ 8,194	\$ 86,804	\$ 99,908	0	\$ 0	\$ 0.0
10,001-50,000	\$ 10,605	\$ 19,508	\$ 206,848	\$ 236,961						0	\$ 0	\$ 0.0
50,001-100,000	\$ 2,895	\$ 5,088	\$ 53,898	\$ 61,881						0	\$ 0	\$ 0.0
100,001-1,000,000	\$ 4,900	\$ 8,194	\$ 86,804	\$ 99,908						0	\$ 0	\$ 0.0
Total	\$ 3,446,037	\$ 4,978,621	\$ 52,743,562	\$ 62,461,112						334	\$ 364.46	\$ 196.10