

August 3, 2007

Ms. Susan Slayton, Finance Director  
City of Morro Bay  
595 Harbor Street  
Morro Bay, CA 93442

Subject: City of Morro Bay Draft Revenue Program

Dear Ms. Slayton:

Attached is one unbound copy of the revised Draft Revenue Program Report. This report is essentially complete with the wastewater treatment facility (WWTF) project and construction timing as we presently know it. This document gives the City the residential and non residential sewer rates that will be required in the year 2014-15 as per the State Water Resources Control Board (SWRCB) when seeking a State Revolving Fund (SRF) loan. 2014-15 is the estimated first year of operation of the upgraded WWTF. However, if this schedule is moved up, these rates will need to be recalculated.

The new 2014-15 rates are estimated to be \$36.00 per month per residential unit (ERU), a 88 percent increase over the existing rate of \$19.16 per month. The overage rate is also to be increased by 88 percent. As the non residential categories vary based on an existing rate schedule, the whole rate schedule will be required to increase by 133 percent. To help the consumer to compare the current rates to this future rate, we comment that the monthly rate of \$36.00 per month in 2014-15 is equivalent to a 2007-08 rate of \$29.27 per month. In other words, seven years of inflation at 3 percent per year would increase a 2007-08, \$29.27 per month rate to the proposed 2014-15 \$36.00 per month rate. This shows that the proposed rate increase is essentially a 53 percent increase over the current \$19.16 rate. This jump in rates is common with a major treatment plant upgrade. The increase is large because a 97 percent federal grant funded the last major project, which kept the rates low for the past 30 years. The disparity in the residential and non residential increases results from the residential rates being increased at a more rapid rate than the non residential rates over the past several years.

Per City Staff's request, an implementation schedule for these new rates over the next seven years, until 2014, has been prepared which will allow the City to collect extra money for scheduled near-term collection system projects and their non eligible share of the new WWTF. If the City continues to implement the already approved rates until July 1, 2008 and then at that time increases the residential rates by 6.8 percent a month, the overage rates by 6.8 percent, and the non residential group by 12.5 percent per year through 2014-15, plus increasing the impact fee to \$4,877/ERU on July 1, 2008, they can collect over \$8.5M for their interim needs.

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Please feel free to call John Johnson at 801-599-0796 or e-mail [jjohnson@carollo.com](mailto:jjohnson@carollo.com) with any questions or comments. We also ask that you give us guidance on what you see as the next step.

Sincerely,

CAROLLO ENGINEERS, P.C.

David Stringfield, P.E.

C.E. "John" Johnson, P.E.

City of Morro Bay

**DRAFT  
REVENUE PROGRAM**

Revised  
August 2007



**MORRO BAY  
DRAFT REVENUE PROGRAM**

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## DRAFT REVENUE PROGRAM

### 1.0 GENERAL

The City of Morro Bay, (City) California is situated along the Pacific Coast on the western edge of San Luis Obispo County. The City is approximately 12 miles west of the City of San Luis Obispo in the Central Coast Area of California.

The wastewater treatment plant (WWTP) that serves the City is jointly owned by the City of Morro Bay and the Cayucos Sanitary District. It is operated by the City under a Joint Powers Agreement which divides the annual operating expenses by the actual split of flows for that year. The plant is located at 160 Atascadero Road near the coastal beach within the City limits.

The original WWTP was constructed in 1953 and consisted of primary clarification followed by the trickling filter process. The solids generated in the process were digested in an anaerobic digester. Facilities that are still in use from the original WWTP include Digester No. 1, Trickling Filter No. 1, and the rectangular primary clarifier which has been converted to function as the Chlorine Contact Chamber. In 1964, a second primary, secondary clarifier, biofilter, chlorination facilities and digester were added. In the 1982-84 time frame, the WWTP was expanded to its current configuration.

The WWTP is rated for an average dry weather flow (ADWF) of 2.06 million gallons per day (mgd), a peak season dry weather flow (PSDWF) of 2.36 mgd, and a peak wet weather flow (PWWF) of 6.6 mgd. The WWTP was designed such that the total design PSDWF flow is treated to primary levels, while 0.97 mgd of that flow is treated to secondary levels of treatment. The primary and secondary effluents are then blended prior to being disinfected and discharged through an ocean outfall.

In 2004, the City authorized a study to determine what improvements would be needed in their collection system over the next several years. The study recommended approximately \$4 million worth of near term improvements and another \$1 million in future capital improvements.

In April 2006, the City and District approved a time schedule that was included in the Settlement Agreement negotiated with the RWQCB that assured conversion to full secondary treatment by March 31, 2014. A Facilities Plan by Carollo Engineers is under development which is recommending an oxidation ditch process be provided for upgrades and expansion of the existing WWTP to meet this schedule. The City Council and the Cayucos Board voted to enhance the wastewater effluent being sent to the ocean by adding filtration to the treatment process and to upgrade the biosolids by providing partial composting.

This Draft Revenue Program is primarily prepared to meet the State Water Resource Control Board (SWRCB) guidelines if the City chooses to select a State Revolving Fund Loan (SRF) to finance the project. Monthly sewer service charges and connection fees are determined for the first year of operation of the upgraded/expanded WWTF, fiscal year 2014-15, to assure the SWRCB that the City collects sufficient money to cover their operation for that year and pay the first yearly SRF loan payment. The City also wishes to know what monthly charges and connection fees needs to be imposed in the year 2007 to be able to pay cash for the \$5 million in near term and future improvements to their wastewater collection system plus the ineligible cost of the new plant estimated to be less than 5 percent of the WWTF upgrade costs.

## **2.0 POPULATION**

Based on the 2000 census, the 2005 population for the City of Morro Bay was projected to be approximately 10,535. It should be noted that the population in the community has remained relatively constant over the past decade. In 1984, the City passed Measure F, which established an ultimate population cap of 12,200.

A report recently prepared for the City in May 2006 by the Wallace Group titled Sewer Collection System Master Plan Update (Master Plan) uses an estimate of 12,500 as the ultimate build-out population for the City. This estimate was provided for the Master Plan by the Morro Bay Planning Department and will be used as the City build-out for the calculation of flow projections in this report. Population growth for the Master Plan was based on an increase of approximately 60 housing units per year or 125 people per year. Based on this growth rate, the City will reach build-out capacity in approximately 16 years. Therefore, in order to determine future flows generated by the City for Facilities Plan Report, a build-out population of 12,500 with an annual growth rate of 125 people per year will be used for the WWTF sizing in order to be consistent with the Master Plan.

However, as this Revenue Program is extremely sensitive to growth rates, a more conservative growth rate based on the last few year's growth will be used to calculate user revenues. This adjustment will be made when projecting the equivalent residential units (ERU) in Section 7.0.

## **3.0 INFLUENT WASTEWATER FLOWS**

### **3.1 Annual Average Daily Flow**

For Morro Bay, the relationship between past population and annual average daily flows (AADF) is used to determine the wastewater flows per capita in gallons per day (gpcd). The historical gpcd is then used to estimate the projected gpcd for the twenty-year planning period. The flows used to determine the gpcd include the flows into the WWTP that come only from the City.

Historical AADF for the last four years are shown in Table 3.0.

<b>Table 3.0 Morro Bay Historical AAD Flows Wastewater Facilities Draft Revenue Program City of Morro Bay</b>			
<b>Year</b>	<b>Population<sup>1</sup></b>	<b>Flow (mgd)</b>	<b>Per Capita Flow (gpcd)</b>
2002	10,502	0.90	85
2003	10,490	0.79	75
2004	10,531	0.81	77
2005	10,535	0.94	89
<b>5-Year Average</b>		<b>0.86</b>	<b>82</b>
Note:			
1. California Department of Finance Demographic Research Unit.			

The calculated average value for the per capita wastewater flow for the past four years is 82 gpcd. This value is similar to the 80 gpcd used in the Master Plan. Therefore, for the purpose of this report, a per capita flow rate of 80 gpcd will be used for projecting future annual average daily flows.

### 3.2 Average Day Maximum Month Flow

The design of a WWTP can be based on the average day maximum month flow (ADMMF), which may include wet weather month flows. Using this approach the WWTP will have the capacity to treat the wastewater from the maximum month conditions as well as the average month. To project the ADMM flow, the ratio of the historical ADMMF to the average annual dry weather flow (AADF) of the previous five years is determined. As shown in Table 3.1 the average ADMMF to AADF ratio for the City for the most recent five-year period is 1.19. Therefore, a 1.2 to AADF flow factor will be used to determine the ADMMF for the future planning period for the City. These values are typical for a coastal city.

<b>Table 3.1 Morro Bay Historical AADF and ADMM Flows Wastewater Facilities Draft Revenue Program City of Morro Bay</b>				
<b>Year</b>	<b>Population</b>	<b>AADF (mgd)</b>	<b>ADMM (mgd)</b>	<b>ADMM:AADF Factor</b>
2001	10,420	1.22	1.46	1.19
2002	10,502	0.90	1.20	1.84
2003	10,490	0.79	0.88	1.12
2004	10,531	0.81	0.89	1.10
2005	10,535	0.94	1.11	1.19
<b>5-Year Average</b>				<b>1.19</b>

## 4.0 PROJECTED INFLUENT FLOWS

Applying the above flow projection factors to the estimated future population for the City at a growth rate of 125 people per year, results in the following projected yearly flows as shown in Table 4.0 below. Based on this growth rate, the City will reach its maximum build-out capacity in 2021.

<b>Table 4.0 Morro Bay Projected Influent Flows Wastewater Facilities Draft Revenue Program City of Morro Bay</b>				
<b>Year</b>	<b>Population<sup>1</sup></b>	<b>AADF (mgd)</b>	<b>ADMMF (mgd)</b>	
2005	10,535	0.84	1.01	
2006	10,660	0.85	1.02	
2007	10,785	0.86	1.04	
2008	10,910	0.87	1.05	
2009	11,035	0.88	1.06	
2010	11,160	0.89	1.07	
2011	11,285	0.90	1.08	
2012	11,410	0.91	1.10	
2013	11,535	0.92	1.11	
2014	11,660	0.93	1.12	
2015 <sup>2</sup>	11,785	0.94	1.13	
2016	11,910	0.95	1.14	
2017	12,035	0.96	1.16	
2018	12,160	0.97	1.17	
2019	12,285	0.98	1.18	
2020	12,410	0.99	1.19	
2021	12,500	1.00	1.20	

Note:  
 1. Assumes a 125-person yearly growth rate for years 2006 and beyond.  
 2. First full year of operation of expanded WWTF.

## 5.0 HISTORICAL INFLUENT LOADINGS

### 5.1 General

Generally, wastewater strength is defined by its 5-day biochemical oxygen demand (BOD5) and total suspended solids (TSS) content. The BOD5 is described as the amount of oxygen

required over a five-day period at 20 degrees Celsius by bacteria while stabilizing the decomposable organic matter under aerobic conditions. The TSS is a measure of the suspended material in the influent.

## 5.2 Influent BOD5 and TSS

Historical influent BOD5 loadings for the total WWTF over the past five years are shown in Table 5.0 below. The five-year historical BOD5 concentration for this period was 340 milligrams per liter (mg/L) for the annual average loads.

Historical influent TSS loadings for the total WWTF over the past five years are shown in Table 5.0 below. The five-year historical TSS concentration for this period was 357 mg/L for the annual average.

<b>Table 5.0 Historical Influent BOD5 and TSS Loadings Wastewater Facilities Draft Revenue Program City of Morro Bay</b>		
<b>Year</b>	<b>Annual Average</b>	
	<b>BOD mg/L</b>	<b>TSS mg/L</b>
2001	362	373
2002	386	374
2003	306	311
2004	336	354
2005	303	373
<b>5-Year Average</b>	<b>340</b>	<b>357</b>

## 6.0 PROJECTED INFLUENT LOADINGS

Based on the nature of the City, as well as approaches previously taken for other coastal cities in the area, the annual loading for this report is determined by the AADF loadings previously identified. The projected annual BOD5 loadings are determined using the previously identified AADF BOD5 concentration of 340 mg/L. The AADF TSS concentrations were previously identified as 357 mg/L.

## 7.0 USER GROUPS

The City's users were divided into single-family, multi-family, three levels of commercial, public/city and schools. There are no industries, large hospitals or other large public institutions. The number of ERU's were shown for residential and the number of accounts for the commercial/public/city group in 2005-06 and in 2014-15 were projected as shown in

Table 7.0. The year 2014-15 is expected to be the first full year of operation of the upgraded WWTF. The 2005-06 ERU's for all residential units were projected from the census year 2000 as stated in the housing element of the census plan and as indicated in the Facilities Plan. The 2005-06 commercial/public/city group accounts were provided by City staff.

The 2005-06 number of ERU's and accounts were then projected ahead to the year 2014-15 using an increase of 52 ERU's per year for the residential areas and 6.5 ERU per year for the commercial/public/city group. Schools are expected to remain the same as 05-06. The overall increase is approximately 50 percent of the growth predicted in the Facility Plan and taken from recent past years data. This, therefore, should give the City reasonable assurance their rates will be high enough to cover their expenses in 2014-15 even if the population growth rate drops.

The total AAWF and ADMMF for 2005-06 was a measured flow from WWTF records. The breakdown between categories were taken from metered water records. The flows were then projected ahead to 2014-15 by the same percentage as the ERU's.

<b>Table 7.0 User Groups and Associated Flows Wastewater Facilities Draft Revenue Program City of Morro Bay</b>						
<b>Categories</b>	<b>ERU/Accounts</b>	<b>2005-06</b>		<b>ERU/Accounts</b>	<b>2014-15<sup>1</sup></b>	
		<b>AAWF (mgd)</b>	<b>ADMMF (mgd)</b>		<b>AAWF (mgd)</b>	<b>ADMMF (mgd)</b>
Single Family	3,740	0.422	0.506	4,063	0.458	0.550
Multi Family	1,678	0.190	0.228	1,823	0.206	0.248
Commercial						
Low	438	0.148	0.177	450	0.152	0.182
Medium	9	0.017	0.020	9	0.017	0.020
High	56	0.033	0.040	58	0.034	0.041
Schools	3	0.023	0.028	3	0.023	0.028
Public/City	49	0.017	0.021	50	0.018	0.021
<b>Totals</b>		<b>0.850</b>	<b>1.020</b>		<b>0.908</b>	<b>1.090</b>
Notes:						
1. First full year of operation.						

## **8.0 TOTAL PROJECT EXPENSES**

### **8.1 Project Costs**

Morro Bay's share of the project costs which include planning, design, construction, inspection, administration, legal, and interest during construction for the plant upgrade and

plant expansion are estimated to be \$24.77 million as shown in Table 8.0. This value represents 70 percent of the total WWTF project costs of \$35.39M at the mid-point of construction (February 2013). This 70 percent is an estimate at this time and will be negotiated later. The accumulated interest on the City's portion of the SRF loan during construction is \$0.70 million. The SWRCB expects the first loan payment at the end of the first full year (June 30, 2015) after startup.

The City plans to finance as much as possible of the total amount through a State Water Resources Control Board (SWRCB) State Revolving Fund Loan (SRF). In reality, there will be some ineligible costs yet unknown. For this Draft Revenue Program, the total amount will assume to be eligible. When the Final Revenue Program is completed, the ineligible amount will be known and a correction made. By assuming the total amount is eligible, slightly higher fees will be shown which builds in some safety factor for future planning.

<b>Table 8.0 Preliminary Project Costs/Loan Payment Wastewater Facilities Draft Revenue Program City of Morro Bay</b>			
<b>Project Element</b>	<b>Total<sup>(1)</sup> (\$M)</b>	<b>Existing Users<sup>(2)</sup> (\$M)</b>	<b>Future Users<sup>(3)</sup> (\$M)</b>
Wastewater Treatment Plant	24.77	23.11	1.66
Interest <sup>(4)</sup>	<u>0.70</u>	<u>0.65</u>	<u>0.05</u>
<b>Project Cost Totals</b>	<b>25.47</b>	<b>23.76</b>	<b>1.71</b>
<b>Annual Loan Payment</b>	<b>1.64</b>	<b>1.53</b>	<b>0.11</b>
Notes:			
1. Morro Bay's share of project costs.			
2. Existing users, up to June 30, 2015			
3. Future users from June 30, 2014 to 2026.			
4. Interest during construction.			

Existing users are those on line at the beginning of the first full year of operation, June 30, 2014 and future users are those coming on line after June 30, 2014. Table 8.0 shows future users must pay for \$1.71 million (6.7%) of Morro bay's share of the project expansion beyond June 30, 2014 and existing users must pay for upgrades and expansion up to June 30, 2014, amounting to \$23.76 million (93.3%). Upgrades are defined as any equipment or process units being rehabilitated, replaced or added to bring the wastewater treatment plant up to new standards whereas expansion is defined as equipment or process units capacity increase beyond the existing WWTF capacity at June 30, 2014.

The total annual payment for a \$25.47 million loan is approximately \$1.64 million/year at a 2.5 percent interest rate over 20 years. Existing users must pay for \$1.53 million of the annual payment and future users \$0.11 million of the annual payment.

## 8.2 O&M Costs

Previous base data in this report was from the year 2005-06 as it was the last full year of recorded data. Morro Bay staff, however, felt this was not a typical year and that the 2006-07 budget better reflected their expenses and income. For most of the 2006-07 direct operating expenses in Table 8.1, an increase of 3 percent per year was used to project to the fiscal year 2014-15. For the WWTF, Morro Bay's share of expenses were 73 percent. For the collection system, expenses represent 100 percent. Also, Morro Bay's share of a \$200,000 increase for O&M was added to cover the plant expansion.

The State requires a minimum of one half of one percent of the loan (\$127,400) be set aside in an account for future expansion and upgrade projects. This, however, is too small of an amount to be very useful. Many City's increase it by \$200,000 - \$300,000. Therefore, to build up reserves for future projects, the WWCRF was set at \$400,000 per year.

<b>Table 8.1 Existing and Projected Expenses Wastewater Facilities Draft Revenue Program City of Morro Bay</b>		
<b>Item</b>	<b>2006-07 (\$)</b>	<b>2014-15 (\$)</b>
Personnel (fixed)		
WWTP - 73%	469,619	594,900
Collect - 100%	<u>243,645</u>	<u>308,600</u>
<b>Subtotal</b>	<b>713,264</b>	<b>903,500</b>
O&M (variable)		
WWTP - 73%	657,200	978,500
Collection - 100%	<u>248,154</u>	<u>314,400</u>
<b>Subtotal</b>	<b>905,354</b>	<b>1,292,900</b>
Debt Service		
Existing	-0-	-0-
New SRF Loan	<u>-0-</u>	<u>1,640,000</u>
<b>Subtotal</b>	<b>-0-</b>	<b>1,640,000</b>
Capital Replacement		
WWTP - 73%	29,200	37,000
Collection - 100%	<u>0</u>	<u>0</u>
<b>Subtotal</b>	<b>29,200</b>	<b>37,000</b>
WWCRF		
WWTP/Collect	<u>142,246<sup>1</sup></u>	<u>400,000</u>
<b>Subtotal</b>	<b><u>142,240</u></b>	<b><u>400,000</u></b>
<b>Total Expenses</b>	<b>1,789,864</b>	<b>4,273,400</b>

<sup>1</sup> Existing impact fee placed in a reserve account for capitol projects.

## 9.0 INCOME

The 2006-07 income and the projected 2014-15 income summary is shown on Table 9.0. The existing impact fee of \$2,257/ERU will be used for future projects other than the WWTF expansion while the increased portion of the impact fee from future users is expected to pay for future users portion of the SRF loan attributed to the new WWTF. Service charges and miscellaneous income pays for all other expenses.

<b>Table 9.0 Existing and Projected Income Wastewater Facilities Draft Revenue Program City of Morro Bay</b>		
<b>Item</b>	<b>2006-07 Income</b>	<b>2014-15 Income</b>
Services Charges	1,556,051	3,967,600
Interest, Penalties	11,000	11,000
Rent	69,822	90,000
Impact Fees	<u>142,246</u>	<u>204,800<sup>(1)</sup></u>
<b>Subtotal</b>	<b>1,779,119</b>	<b>4,273,400</b>
Notes:		
1. New WWTF impact fee plus fee already in place.		

### 9.1 Impact Fees

The estimated Facilities Plan population increase expected in 2014-15 is approximately 125 people resulting in 60 new houses plus approximately 3,000 gpd added from increases in commercial, public and schools. However, in the past seven years there has been one 41, and two 48 ERU years added for residential and 2.4, 4.7 and 6.8 ERU years for commercial/public/city group. As the connection fee is for only one year, 2014-15, a 40 ERU residential and two ERU's commercial/public/city group is used to be reasonably sure enough connection fees are collected to pay for the future user's share of the loan.

Using the increase of the 42 anticipated connections in 2014-15, each ERU connecting must pay \$2,620 to make the \$0.11 million annual payment for the future users portion of the SRF loan. This represents buy-in to the new WWTF upgrades and expansion only. The total connection fee equals the existing \$2,257/ERU plus the SRF loan of \$2,620/ERU, totaling \$4,877 ERU.

### 9.2 Service Charges and Miscellaneous Income

All remaining income, excluding impact fees, will be collected from service charges (monthly user rates), rent, penalties, and interest. Service charges for 2014-15 are calculated using State Forms 1 through 6 (Appendix A). Interest and penalties income should remain the same as 2006-07. Rent income is expected to increase. Table 9.1 shows the distribution of income to meet the City's expense items for 2014-15.

The State provides a spread sheet model for determination of the amounts each category/account is required to pay per year and the monthly user rate the single family residents

and multi-family residents must pay in order to meet the projected full year of operation expenditures. (See Appendix A) Form 6, 8th column shows the money required for the year. The last column shows the monthly rate for single and multi-families.

In Morro Bay, the single family and multi-family rates are to be the same. Also, in Morro Bay their rates consist of a flat rate and an overage rate. The States form doesn't account for this type of fee. The average single and multi-family rate from the last column in form 6 is \$40.00. This would collect the total amount, including overage fees, required from these categories. From the past history, the flat rate accounts for 90 percent of the fees collected. Therefore, the flat rate required for the year 2014-15 is 90 percent of the \$40.00/month or \$36.00. This is 88 percent higher than the present rate of \$19.16/month. In addition, the overage rate needs to be raised by the same percentage resulting in an increase from \$1.78 to \$3.34 per ccf per month.

For the commercial/public/city/school group, the income collected for 2006-07 is estimated to be \$481,600 projecting from 2005-06 City records. From column 8, form 6, of the State forms ,they will need to produce \$1,144,600 in 2014-15. Adjusting the user base up 2 percent based on City growth records, the equivalent 2005-06 amount in 2014-15 is \$1,122,200. This results in a percentage increase in the existing commercial/public/city/school rate schedule of 133 percent.

The reason for the disparity between residential rates and these other categories is that the commercial/public/city/school group has not been paying the same rates as the residential categories. In 2005-06, this commercial group produced 26 percent of the total revenues when they should have produced 36 percent. Now the residential categories are ahead of where they should be and the remaining group is behind.

Per SWRCB revenue program guidelines, the estimated expenses and corresponding required income for the first full year of operations are used in this analysis. Therefore, all rates calculated in this Draft Revenue Program will be to meet anticipated expenses in the fiscal year 2014-15.

<b>Table 9.1 Income Distribution Wastewater Facilities Draft Revenue Program City of Morro Bay</b>			
<b>Item</b>	<b>Expenses 2014-15 (\$)</b>	<b>Non-Service Charge Income (\$)</b>	<b>Service Charge Income (\$)</b>
<b>Personnel (fixed)</b>			
WWTP - 73%	594,900		594,900
Collect - 100%	<u>308,600</u>		<u>308,600</u>
<b>Subtotal</b>	<b>903,500</b>		<b>903,500</b>
<b>O/M (variable)</b>			
WWTP - 73%	978,500		978,500
Collect - 100%	<u>314,400</u>	<u>101,000</u>	<u>213,400</u>
<b>Subtotal</b>	<b>1,292,900</b>	<b>101,000<sup>(1)</sup></b>	<b>1,191,900</b>
<b>Debt Service</b>			
Existing	-0-	-0-	-0-
New SRF Loan	<u>1,640,000</u>	<u>110,000<sup>(2)</sup></u>	<u>1,530,000</u>
<b>Subtotal</b>	<b>1,640,000</b>	<b>110,000</b>	<b>1,530,000</b>
<b>Capital Replacement</b>			
WWTP - 73%	37,000		37,000
Collect - 100%	<u>-0-</u>		<u>-0-</u>
<b>Subtotal</b>	<b>37,000</b>		<b>37,000</b>
<b>WWCRF</b>			
WWTP	<u>400,000</u>	<u>94,800<sup>(3)</sup></u>	<u>305,200</u>
<b>Subtotal</b>	<b>400,000</b>	<b>94,800</b>	<b>305,200</b>
<b>Totals</b>	<b>4,273,400</b>	<b>305,800</b>	<b>3,967,600</b>
Notes:			
1. Rental, Interest and Penalties.			
2. New Impact Fee Rates.			
3. Existing Impact Fee Rates.			

## 10.0 PARAMETER ALLOCATION

Using costs from Table 8.0 and the values in the revenue program guidelines, the flow, BOD, and suspended solids cost splits are developed in Table 10.0. The costs used are of major facilities only. These percentages are used to distribute the cost of treating the flow, BOD and TSS parameters.

<b>Table 10.0 Process Allocations and Useful Life Wastewater Facilities Draft Revenue Program City of Morro Bay</b>					
<b>Item</b>	<b>Cost (\$)</b>	<b>Flow</b>	<b>Cost Split (\$) BOD</b>	<b>SS</b>	<b>Years of Life</b>
Headworks	<u>2,138,400</u>				
Structure - 80%	1,710,720	1,710,720(100%)			40
Equipment - 20%	427,680			427,680(100%)	15
Chlorine Basin	<u>575,100</u>				
Structure - 50%	287,550	287,550(100%)			40
Equipment - 50%	287,550		100,642(35%)	186,908(65%)	25
Oxidation Ditch	<u>4,642,920</u>				
Structure - 40%	1,857,168	1,392,876(75%)		464,292(25%)	40
Equipment 60%	2,785,752		2,785,752(100%)		15
Secondary Clarifier	<u>2,992,140</u>				
Structure - 50%	1,496,070	1,496,070(100%)			30
Equipment - 50%	1,496,070		1,496,070(100%)		25
Operations Building	<u>583,200</u>				
Structure - 50%	291,600		145,800(50%)	145,800(50%)	30
Equipment - 50%	291,600		145,800(50%)	145,800(50%)	12
Sludge Treatment	<u>4,874,580</u>				
Structure - 50%	2,437,290		1,218,645(50%)	1,218,645(50%)	50
Equipment - 50%	<u>2,437,290</u>	<u>                    </u>	<u>1,218,645(50%)</u>	<u>1,218,645(50%)</u>	15
<b>Totals</b>	<b>15,806,340<sup>(1)</sup></b>	<b>4,887,216</b>	<b>7,111,354</b>	<b>3,807,770</b>	
<b>Percentage</b>	<b>100</b>	<b>31</b>	<b>45</b>	<b>24</b>	

1 Major facilities only at June 2006 costs.

## 11.0 PROJECT SCHEDULE

This schedule, Table 11.0, shows the steps required to complete this project with corresponding dates, from Facility Plan through the first year of operation (2014-15).

<b>Table 11.0 Project Schedule Wastewater Facilities Draft Revenue Program City of Morro Bay</b>	
Facilities Plan	October 2006 - November 2009
Draft Revenue Program	January 2007 - December 2009
Environmental Documents	February 2008 - June 2011
Design	January 2010 - March 2011
Construction	January 2012 - April 2014
Final Revenue Program	January 2014 - February 2014
Startup	April 2014 - June 2014
First Year of Operation	June 2014 - June 2015

## **12.0 ADVANCED RATE IMPLIMENTATION**

Per City staff request, a rate scheduling sequence leading up to 2014-15 has been prepared to allow the City to collect sufficient funds prior to 2014-15 to pay for near-term collection system projects and non eligible costs for the WWTF project. These two items are estimated to be approximately \$5.5M for the near-term projects and \$0.5M for non eligible costs. To provide these funds, an increase starting July 1, 2008 for every year through 2014-15 of 6.8 percent per month per residential unit, 6.8 percent in overage rates and a 12.5 percent per year increase of rates for all non residential categories, plus an increase to \$4,877/ERU for the impact fee on July 1, 2008, will produce over \$8.5M of revenue for the construction project and the WWTF non eligible costs. A spread sheet model is in Appendix C.

## **13.0 SUMMARY AND CONCLUSIONS**

The City of Morro Bay and the Cayucos Sanitary District are upgrading and expanding their wastewater treatment plant capabilities. The total project costs including planning, design, construction, engineering, administrative, and interest during construction totals \$35.39M at the mid-point of construction (February 2013).

The City and the District are applying for a SRF loan at 2.5 percent for 20 years for the total amount. This equates to a \$2.27M annual payment to be collectively paid by both entities. Per State guidelines, existing users pay through service charges and future users pay through impact fees annually. The first payment is due at the end of the first full year of operation, which would be June 30, 2015.

As part of the loan application, the State requires impact fees and service charges be calculated to meet the added cost of the total upgrade and expansion loan payment plus the increased operating cost in the first full year of operation (2014-15). The fiscal year

2006-07 budget was used as a basis for projections of income and expenses to the year 2014-15 for both entities.

The following assumptions and conclusions were made and pertain to only the City of Morro Bay's share.

1. The City's share of the loan at 70 percent, assumed until negotiated, is \$25.47M resulting in an annual payment of \$1.64M at 2.5 percent over 20 years.
2. Future users, through impact fees, pay for \$1.71M of project expansion or \$0.11M per year loan payment. Future users are defined as connections beyond June 30, 2014.
3. The proposed impact fee of \$2,620 per ERU is to cover the loan payment of 0.11M per year for future users if the growth is at least 42 ERU/ year from both residential and non residential users. The existing impact fee of \$2,257/ERU is assumed to remain in force along with the new fee of \$2,620 for a total of \$4,877/ERU.
4. Existing users, through service charges, pay for \$23.76M of upgrades and increased capacity representing their portion of the expansion which equates to \$1.53M per year loan payment. Existing users are defined as connections made prior to June 30, 2014.
5. Existing users, through service charges, must also pay for all operation and maintenance expenses except that a small amount of these expenses will be paid for from miscellaneous income such as rentals, interest, etc.
6. Miscellaneous income except rent is expected to remain approximately the same from the year 2006-07 to the year 2014-15. Rent is assumed to increase at 3 percent per year.
7. Operating expenses are expected to increase at a rate of 3 percent per year through 2014-15 plus there is an annual cost addition for O&M increase of \$200,000 for the new plant. Morro Bay's share will be 70 percent of this.
8. The capital replacement fund will also be increased at 3 percent.
9. The WWCRF is placed at \$400,000 to create money for future upgrade projects. The minimum the State requires is \$127,400. This represents one half of one percent of the loan amount.
10. Using the SRF forms 1-6 in Appendix A for rate calculations for the year 2014-15, the residential flat fee service charge needs to be increased to \$36.00 or 88 percent from the July 2007 \$19.16 flat fee for flows up to 10 ccf and the overage fee needs to increase to \$3.34 from \$1.78 per ccf per month. (88 percent)
11. The commercial/public/city sector has been paying a lesser rate than the residential sector. Therefore, to equalize the rates and satisfy the SWRCB that all rates are equitable, this group must be increased by 133 percent over the present rate structure fees in effect April 2007.

12. No cash on hand was applied to the project costs to reduce the loan amount.
13. There is some flexibility in the above calculated rates if the City chooses to pay down some of the loan or reduce annual expenses. For every \$1,000,000 paid down on the loan from existing funds, the loan payment will be decreased by \$64,200 per year. For every \$100,000 reduction in the annual budget, the single family flat rate user fee could be reduced by approximately \$1.00 per month.
14. If the City were to continue to increase rates on their presently approved schedule until July 1, 2008, then increase at a uniform rate to meet the 2014-15 proposed rates on July 1, 2014, they would be able to collect over \$8.5M for their near-term collection system upgrades and the non eligible portion of the WWTF loan. This rate increase would consist of the addition of a 6.8 percent per month for the flat rate, 6.8 percent increase in the overage rate and a 12.5 percent increase in the non residential every year through July 1, 2014. Impact fees would increase to \$4,877/ERU on July 1, 2008.
15. Per State guidelines, Appendix C contains the Draft Loan Repayment and Wastewater Capital Reserve Fund Resolutions.



**FORM 2 Annual O. M. & R. and Non-operating Costs**  
**Morro Bay**

Agency: **0**

FORM 2

Cost Category	Current Annual Costs	First Year Of Full Operation
<b>1. TREATMENT FACILITIES:</b>		
(a) Fixed O & M Costs	\$713,264	\$903,500
(b) Variable O & M Costs	905,354	1,191,900
(c) Replacement Costs		
(d) Subtotal Treatment		\$2,095,400
<b>2. COLLECTION SYSTEM:</b>		
(e) Fixed O & M Costs	\$0	
(f) Variable O & M Costs	0	
(g) Replacement Costs	0	
(h) Subtotal Collection	\$0	\$0
<b>3. MISCELLANEOUS:</b>		
(i) Overhead/Indirect	\$0	
(j) Operating Reserve	0	
(k) Other	0	
(l) Subtotal Miscellaneous	\$0	\$0
<b>4. TOTAL - Variable Costs</b>	<b>\$905,354</b>	<b>\$1,191,900</b>
<b>5. TOTAL - Fixed Costs</b>	<b>(\$905,354)</b>	<b>\$903,500</b>
<b>6. TOTAL O. M. &amp; R. Costs:</b>	<b>\$0</b>	<b>\$2,095,400</b>
<b>7. CAPITAL REPLACEMENT FUND:</b>	<b>\$29,000</b>	<b>\$37,000</b>
<b>8. DEBT SERVICE:</b>		
(m) Collected with User Fees	\$0	\$1,530,000
(n) Collected from Other Sources		110,000
(o) Total debt service	\$0	\$1,640,000
<b>9. WASTEWATER CAPITAL RESERVE FUND:</b>	<b>\$142,246</b>	<b>\$304,900</b>

**FORM 4 Unit Cost Determination**

Morro Bay

Agency: 0

FORM 4

COST CATEGORY	PARAMETER ALLOCATION PERCENTAGES	ANNUAL COST ALLOCATED TO EACH PARAMETER	TOTAL ANNUAL QUANTITIES EXC. INFILT/INFLOW AND FUTURE FLOW	UNIT COST FOR EACH PARAMETER
<b>1. Variable O &amp; M Costs</b>		<b>\$1,191,900</b>		
(a) Flow	35.00%	417,165	331.420	\$1,258.72
(b) BOD	44.00%	524,436	865.984	\$605.60
(c) SS	21.00%	250,299	918.193	\$272.60
(d) I/I		0		
(e) Other		0		
<b>2. Fixed O &amp; M Costs</b>		<b>\$903,500</b>		
(f) Flow	31.00%	280,085	331.420	\$845.11
(g) BOD	45.00%	406,575	865.984	\$469.49
(h) SS	24.00%	216,840	918.193	\$236.16
(i) I/I		0		
(j) Other		0		
<b>3. Capital Replacement Fund</b>		<b>\$37,000</b>		
(k) Flow	31.00%	\$11,470	331.420	\$34.61
(l) BOD	45.00%	\$16,650	865.984	\$19.23
(m) SS	24.00%	\$8,880	918.193	\$9.67
(n) I/I		0		
(o) Other		0		
<b>4. Wastewater Capital Reserve Fund</b>		<b>\$304,900</b>		
(k) Flow	31.00%	\$94,519	331.420	\$285.19
(l) BOD	45.00%	137,205	865.984	\$158.44
(m) SS	24.00%	73,176	918.193	\$79.70
(n) I/I		0		
(o) Other		0		
<b>5. Debt Service (existing users portion)</b>		<b>\$1,530,000</b>		
(p) Flow	31.00%	474,300	331.420	\$1,431.11
(q) BOD	45.00%	688,500	865.984	\$795.05
(r) SS	24.00%	367,200	918.193	\$399.92
(s) I/I		0		
(t) Other		0		
<b>6. Debt Service (all)</b>		<b>\$1,640,000</b>		
(u) Flow	31.00%	508,400	331.420	\$1,534.01
(v) BOD	45.00%	738,000	865.984	\$852.21
(w) SS	24.00%	393,600	918.193	\$428.67
(x) I/I		0		
(y) Other		0		

**FORM 5F Summary of Fixed Portion of O. M. & R. Costs.**

Morro Bay

Agency: 0

FORM 5f

Number of Accounts	USER GROUPS	FLOW Unit Cost \$/Mgal= \$845.11		BOD Unit Cost \$/Klb = \$469.49		SS Unit Cost \$/Klb = \$236.16		TOTAL COST
		Flow, Mgal	Cost	BOD, Klb	Cost	SS, Klb	Cost	
		4063	Single Family Residential	167.17	\$141,276	418.52	\$196,495	
1823	Multi Family Residential	75.19	63,544	188.24	88,380	200.79	47,419	199,343
0	Commercial	0.00	0	0.00	0	0.00	0	0
450	Low	55.48	46,886	138.90	65,212	148.16	34,989	147,088
9	Medium	6.21	5,244	20.71	9,725	20.71	4,892	19,860
58	High	12.41	10,488	62.14	29,174	62.14	14,675	54,336
3	Schools	8.40	7,095	21.02	9,868	22.42	5,294	22,257
50	Public	6.57	5,552	16.45	7,722	17.55	4,143	17,418
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
6456	SUBTOTALS	331.42	\$280,085	865.98	\$406,575	918.19	\$216,840	\$903,500
0	Special users	0.00	0	0.00	0	0.00	0	0
0	Special users II	0.00	0	0.00	0	0.00	0	0
0	Special users III	0.00	0	0.00	0	0.00	0	0
0	Special users IV	0.00	0	0.00	0	0.00	0	0
0	Infiltration/Inflow							
0	Future flow							
6456	TOTALS	331.42	\$280,085	865.98	\$406,575	918.19	\$216,840	\$903,500

**FORM 5c Summary of Capital Replacement Fund Costs.**

**Morro Bay Agency:**

**FORM 5c**

Number of Accounts	USER GROUPS	FLOW Unit Cost \$/Mgal= \$34.61		BOD Unit Cost \$/Klb = \$19.23		SS Unit Cost \$/Klb = \$9.67		TOTAL COST
		Flow, Mgal	Cost	BOD, Klb	Cost	SS, Klb	Cost	
4063	Single Family Residential	167.17	\$5,786	418.52	\$8,047	446.42	\$4,317	\$18,150
1823	Multi Family Residential	75.19	2,602	188.24	3,619	200.79	1,942	8,163
0	Commercial	0.00	0	0.00	0	0.00	0	0
450	Low	55.48	1,920	138.90	2,671	148.16	1,433	6,024
9	Medium	6.21	215	20.71	398	20.71	200	813
58	High	12.41	429	62.14	1,195	62.14	601	2,225
3	Schools	8.40	291	21.02	404	22.42	217	911
50	Public	6.57	227	16.45	316	17.55	170	713
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
6456	SUBTOTALS	331.42	\$11,470	865.98	\$16,650	918.19	\$8,880	\$37,000
0	Special users	0.00	0	0.00	0	0.00	0	0
0	Special users II	0.00	0	0.00	0	0.00	0	0
0	Special users III	0.00	0	0.00	0	0.00	0	0
0	Special users IV	0.00	0	0.00	0	0.00	0	0
0	Infiltration/Inflow							
0	Future flow							
6456	TOTALS	331.42	\$11,470	865.98	\$16,650	918.19	\$8,880	\$37,000

**FORM 5d Summary of Debt Service Fund Costs.**

Morro Bay

Agency: 0

**FORM 5d**

Number of Accounts	USER GROUPS	FLOW Unit Cost \$/Mgal= \$1,431.11		BOD Unit Cost \$/Klb = \$795.05		SS Unit Cost \$/Klb = \$399.92		TOTAL COST
		Flow, Mgal	Cost	BOD, Klb	Cost	SS, Klb	Cost	
		4063	Single Family Residential	167.17	\$239,239	418.52	\$332,747	
1823	Multi Family Residential	75.19	107,606	188.24	149,663	200.79	80,301	337,570
0	Commercial	0.00	0	0.00	0	0.00	0	0
450	Low	55.48	79,398	138.90	110,431	148.16	59,251	249,080
9	Medium	6.21	8,880	20.71	16,468	20.71	8,283	33,631
58	High	12.41	17,760	62.14	49,403	62.14	24,850	92,014
3	Schools	8.40	12,014	21.02	16,710	22.42	8,966	37,690
50	Public	6.57	9,402	16.45	13,077	17.55	7,017	29,496
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
6456	SUBTOTALS	331.42	\$474,300	865.98	\$688,500	918.19	\$367,200	\$1,530,000
0	Special users	0.00	0	0.00	0	0.00	0	0
0	Special users II	0.00	0	0.00	0	0.00	0	0
0	Special users III	0.00	0	0.00	0	0.00	0	0
0	Special users IV	0.00	0	0.00	0	0.00	0	0
0	Infiltration/Inflow							
0	Future flow							
6456	TOTALS	331.42	\$474,300	865.98	\$688,500	918.19	\$367,200	\$1,530,000

**FORM 5w Summary of Wastewater Capital Reserve Fund Fund Costs. (Required)**

Morro Bay

Agency: 0

**FORM 5d**

Number of Accounts	USER GROUPS	FLOW Unit Cost \$/Mgal= \$285.19		BOD Unit Cost \$/Klb = \$158.44		SS Unit Cost \$/Klb = \$79.70		TOTAL COST
		Flow, Mgal	Cost	BOD, Klb	Cost	SS, Klb	Cost	
4063	Single Family Residential	167.17	\$47,676	418.52	\$66,310	446.42	\$35,578	\$149,564
1823	Multi Family Residential	75.19	21,444	188.24	29,825	200.79	16,002	67,271
0	Commercial	0.00	0	0.00	0	0.00	0	0
450	Low	55.48	15,823	138.90	22,007	148.16	11,808	49,637
9	Medium	6.21	1,770	20.71	3,282	20.71	1,651	6,702
58	High	12.41	3,539	62.14	9,845	62.14	4,952	18,337
3	Schools	8.40	2,394	21.02	3,330	22.42	1,787	7,511
50	Public	6.57	1,874	16.45	2,606	17.55	1,398	5,878
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
6456	SUBTOTALS	331.42	\$94,519	865.98	\$137,205	918.19	\$73,176	\$304,900
0	Special users	0.00	0	0.00	0	0.00	0	0
0	Special users II	0.00	0	0.00	0	0.00	0	0
0	Special users III	0.00	0	0.00	0	0.00	0	0
0	Special users IV	0.00	0	0.00	0	0.00	0	0
0	Infiltration/Inflow							
0	Future flow							
6456	TOTALS	331.42	\$94,519	865.98	\$137,205	918.19	\$73,176	\$304,900

**FORM 5dw Summary of "Worst-Case" Debt Service Fund Costs.**

Morro Bay

Agency: 0

**FORM 5dw**

Number of Accounts	USER GROUPS	FLOW Unit Cost \$/Mgal= \$1,534.01		BOD Unit Cost \$/Klb = \$852.21		SS Unit Cost \$/Klb = \$428.67		TOTAL COST
		Flow, Mgal	Cost	BOD, Klb	Cost	SS, Klb	Cost	
4063	Single Family Residential	167.17	\$256,440	418.52	\$356,670	446.42	\$191,368	\$804,478
1823	Multi Family Residential	75.19	115,342	188.24	160,423	200.79	86,074	361,839
0	Commercial	0.00	0	0.00	0	0.00	0	0
450	Low	55.48	85,107	138.90	118,371	148.16	63,511	266,988
9	Medium	6.21	9,519	20.71	17,652	20.71	8,879	36,049
58	High	12.41	19,037	62.14	52,955	62.14	26,637	98,629
3	Schools	8.40	12,878	21.02	17,911	22.42	9,610	40,400
50	Public	6.57	10,078	16.45	14,018	17.55	7,521	31,617
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
0	0.000	0.00	0	0.00	0	0.00	0	0
		0.00	0	0.00	0	0.00	0	0
6456	SUBTOTALS	331.42	\$508,400	865.98	\$738,000	918.19	\$393,600	\$1,640,000
0	Special users	0.00	0	0.00	0	0.00	0	0
0	Special users II	0.00	0	0.00	0	0.00	0	0
0	Special users III	0.00	0	0.00	0	0.00	0	0
0	Special users IV	0.00	0	0.00	0	0.00	0	0
0	Infiltration/Inflow							
0	Future flow							
6456	TOTALS	331.42	\$508,400	865.98	\$738,000	918.19	\$393,600	\$1,640,000

**FORM 6 Summary of Total Annual Revenue Required**

**Morro Bay**

Agency: 0

**FORM 6**

Number of Accounts	USER GROUPS	VARIABLE O. M. & R. COSTS	FIXED O. M. & R. COSTS	CAPITAL REPLACEMENT FUND	DEBT SERVICE COSTS	WTR CAPITAL RESERVE FUND	TOTAL ANNUAL REVENUE REQUIRED	AVG ANNUAL REVENUE REQUIRED	AVG MONTHLY REVENUE REQUIRED
4063	Single Family Residential	\$585,571	\$443,198	\$18,150	\$750,519	\$149,564	\$1,947,002	\$479	\$39.93
1823	Multi Family Residential	263,379	199,343	8,163	337,570	67,271	875,726	480	40.03
0	Commercial	0	0	0	0	0	0	#DIV/0!	#DIV/0!
450	Low	194,338	147,088	6,024	249,080	49,637	646,167	1,436	119.66
9	Medium	26,000	19,860	813	33,631	6,702	87,007	9,667	805.62
58	High	70,191	54,336	2,225	92,014	18,337	237,103	4,088	340.66
3	Schools	29,406	22,257	911	37,690	7,511	97,775	32,592	2,715.98
50	Public	23,014	17,418	713	29,496	5,878	76,520	1,530	127.53
		0	0	0	0	0	0	#VALUE!	#VALUE!
0	0	0	0	0	0	0	0	#DIV/0!	#DIV/0!
		0	0	0	0	0	0	#VALUE!	#VALUE!
0	0	0	0	0	0	0	0	#DIV/0!	#DIV/0!
		0	0	0	0	0	0	#VALUE!	#VALUE!
0	0	0	0	0	0	0	0	#DIV/0!	#DIV/0!
		0	0	0	0	0	0	#VALUE!	#VALUE!
0	0	0	0	0	0	0	0	#DIV/0!	#DIV/0!
		0	0	0	0	0	0	#VALUE!	#VALUE!
		0	0	0	0	0	0	#VALUE!	#VALUE!
		0	0	0	0	0	0	#VALUE!	#VALUE!
		0	0	0	0	0	0	#VALUE!	#VALUE!
6456	SUBTOTALS	\$1,191,900	\$903,500	\$37,000	\$1,530,000	\$304,900	\$3,967,300	\$615	\$51.21
0	Special users	0	0	0	0	0	0	#DIV/0!	#DIV/0!
0	Special users II	0	0	0	0	0	0	#DIV/0!	#DIV/0!
0	Special users III	0	0	0	0	0	0	#DIV/0!	#DIV/0!
0	Special users IV	0	0	0	0	0	0	#DIV/0!	#DIV/0!
0	Infiltration/Inflow								
0	Future flow								
6456	TOTALS	\$1,191,900	\$903,500	\$37,000	\$1,530,000	\$304,900	\$3,967,300	\$615	\$51.21