

MES05PER

TYPE OF RECORD:	PERMANENT
CATEGORY OF RECORD:	COUNTY
NAME OF CONTRACTOR:	MESA COUNTY
SUBJECT/PROJECT:	APPROVING THE AMENDED 2006 BUDGET FOR THE PERSIGO SEWER SYSTEM RESOLUTION NO. MCM 2005-91
CITY DEPARTMENT:	PUBLIC WORKS AND PLANNING
YEAR:	2005
EXPIRATION DATE:	NONE
DESTRUCTION DATE:	NONE

RESOLUTION NO. MCM 2005-191

APPROVING THE AMMENDED 2006 BUDGET FOR THE PERSIGO SEWER SYSTEM,
INCLUDING CHARGES AND FEES

WHEREAS, the City of Grand Junction (City) and the County of Mesa (County) entered into an Intergovernmental Agreement dated October 13, 1998 (The Persigo Agreement) relating to City growth and joint policymaking for the Persigo Sewer System; and

WHEREAS, one of the goals of the Persigo Agreement is that the County shall continue to participate jointly with the City to provide policy direction for operation and maintenance of the System; and

WHEREAS, no policy shall be effective until formally adopted by both the City Council and the Board of County Commissioners, which policies include reviewing and adopting capital improvement plans and annual operating budgets and reviewing and setting system rates and fees; and

WHEREAS the City Council and Board of County Commissioners reviewed the year 2006 Persigo Sewer System capital improvements, plan operating budget and system rates and fees.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF THE COUNTY OF MESA, STATE OF COLORADO AS FOLLOWS:

1. That the following sums of money, or so much therefore as may be necessary, be and the same are hereby approved for the purpose of defraying the necessary expenses and liabilities for the fiscal year beginning January 1, 2006, and ending December 31, 2006: (See Attached Budget)
2. 2006 sewer rates as currently established for customers of the Persigo Sewer System are hereby approved.

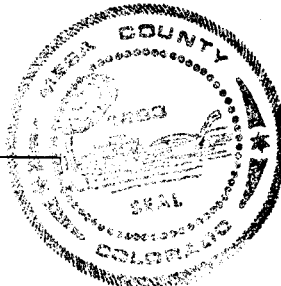
PASSED and ADOPTED this 12th day of December 2005.

MESA COUNTY BOARD OF COUNTY COMMISSIONERS

BY: Tilman M. Bishop
Chair, Tilman M. Bishop

ATTEST:

Janice Ward
Janice Ward, Clerk and Recorder



CITY OF GRAND JUNCTION

DIVISION: WASTEWATER SERVICES

**BUSINESS PLAN
10-YEAR FINANCIAL PLAN
REVENUE PROJECTIONS
BUDGET NARRATIVE OVERVIEW
ACCOUNT SUMMARY
SIGNIFICANT BUDGETARY ISSUES
PRIORITIZED LIST OF OPERATING CAPITAL
PRIORITIZED LIST OF MAJOR CAPITAL
TRAINING, BUSINESS TRIPS AND EDUCATION
STAFFING LEVEL
NEW POSITION REQUEST**

BUSINESS PLAN:

ORGANIZATION NUMBER:62211 - 62223

DIVISION:WASTEWATER SERVICES DIVISION

HISTORICAL BACKGROUND

The 201 Sewer System was created in 1979 by agreement between the City of Grand Junction and Mesa County, and later supplemented by an agreement in 1980. In these contracts, the City was given complete authority to manage the sewer system.

The sewer service area was defined in the late 1970's, during which time the Persigo Wastewater Treatment Plant was under design. The 201 Sewer Service Area includes most of the urbanized area in the central part of the Grand Valley. During 1998, the City and County re-negotiated the 1980 agreement as concerns growth and joint policy-making decisions for the Persigo Sewer System.

SYSTEM EXPANSION, OPERATION and MAINTENANCE

The 201 Sewer System is developing within the urbanized region in the central part of the Grand Valley.

Septic system replacement is an expansion of sewer service into existing developed areas. New developments in areas within the 201 Sewer Service Area are required to provide sewer service if they are within 400 feet of an existing sewer system. Because of the expense of retrofitting sewers into existing developed areas, the City and County require new development to connect to sewer. In order to facilitate this process, the sewer system has reserved capital funds to extend trunk line sewers into developing areas under certain conditions.

When growth in the basin can ensure a timely payback to the sewer fund, the Trunk line Extension Fund can be used to extend major sewer collection systems. Developers and builders constructing homes on lots pay the costs of these extensions. Extension decisions are predicated upon common agreement between the City and the County, whether enough development is occurring to ensure timely payback of invested funds, and if the development is occurring within the 201 Sewer Service areas.

IMPACT TO THE WASTEWATER SERVICES SEWER FUND

The 201 Sewer Service Area was delineated when design studies were being completed on the Persigo Wastewater Treatment Plant. It is the policy of the City and County that the 201 Sewer Service Area is a fixed boundary with regard to sewer service. Changes in the 201 Sewer Service Area boundaries, primarily expansions of the 201 area, have to be made on the basis of what impact such

expansion would have on capacity at Persigo to ensure that expansions do not use up capacity without paying for that capacity. One method of dealing with this issue is to delete areas from the 201 Sewer Service Area at the same time areas are added, or to surcharge for density beyond that originally planned.

Also related to plant capacity is the issue of storm flows and infiltration of groundwater into the sewer system. During 2004, the City implemented the Combined Sewer Elimination Project (CSEP) which eliminated over 90% of the stormwater flow contributions to the sanitary sewer collection system.

Infiltration from groundwater during the irrigation season, particularly from the Special Sanitation Districts, also affects plant capacity. During 2005, the City purchased new flow monitoring equipment for the purpose of monitoring all major interceptors. Data collected will be compared to population equivalent calculations to determine the extent of infiltration.

The Persigo Wastewater Plant is presently twenty-one years old and systems installed in 1984 are due for replacement. Yard piping, aeration, sludge blending, roofing, in-plant service roads, HVAC systems and influent flow metering have been replaced in recent years. These upgrades will continue and are budgeted in the Capital Plan. Because of an aging plant and the extreme operating environment, the portion of operating expense devoted to maintenance will increase.

Plant operation and maintenance (O&M) will focus on getting the most from resources purchased and consumed (manpower, chemicals, electrical power, natural gas, materials and supplies). Electrical and natural gas costs have increased dramatically over the last two years and it has become important to identify ways to augment or reduce usage. Electrical consumption has been of constant interest to operators at the plant. Plant improvements like the fine bubble aeration and lighting changes have reduced consumption of electrical power and further energy conservation measures are being evaluated and implemented which includes conducting studies to determine the feasibility of utilizing waste gas produced at the treatment facility to generate electricity.

Collection system maintenance is adequately budgeted in the 10-year plan. Industrial pretreatment activities to reduce harmful chemicals, metals and grease, and the subsequent reduction of emergency cleaning of grease from the collection system, have been successful. Enforcement of regulations to install adequately sized grease interceptors at food service establishments has successfully reduced collection system maintenance problems.

During 2005, Persigo staff designed and constructed a grease disposal facility on the Persigo site. Prior to construction of the new site, tank haulers discharged grease loads at the Persigo Septic Dump Site. The grease would flow into the plant influent and eventually to the primary clarifiers where it was skimmed from

the surface of the tanks, dewatered and hauled to disposal at the landfill. The new disposal unit allows the tank hauler to discharge grease directly into the unit where the liquid separation occurs. The dewatered grease is deposited into a dump truck and disposed of at the landfill, while the liquid is returned to the plant influent waste stream for treatment. By keeping the grease out of the plant flow, staff has greatly reduced the likelihood of an oil and grease permit violation, and increased the grease treatment capacity of the facility.

RATE REVIEW

In 2001, the City authorized Black and Veatch to review sewer rates and to complete an independent review of the Sewer Fund 10-year financial plan, its assumptions, the adequacy of capital spending, and the allocation of rate revenue to the four areas of sewer service. Collection system operations and maintenance, collection capital, backbone operations and maintenance, and backbone capital have been adjusted to meet these recommendations. The next review will occur late in 2005.

In May 2001, Black and Veatch recommended increasing plant investment fees to \$2,250 over time with annual rate adjustments of 2.5% per year through 2019. 2006 plant investment fees are scheduled to increase from \$1,500 per EQU to \$1,750 per EQU and monthly rates from \$13.56 to \$13.90 per EQU.

In general, budgeted capital expenditures have been modified in the years 1999 to 2008 to reflect annual inflation adjustments of 4%. In addition, incremental O&M costs associated with capital projects are also included in the projected O&M expenditures.

Specific recommendations for capital, not previously addressed, include the following:

- **Trunk line Extension Capital.** Balances are reflected in the ending reserve in the Trunk Extension Capital Fund (903). These balances are available for use if approved by the City and the County.
- **Plant Backbone Capital.** Plant improvement/replacement budgets are increased by inflation and coupled with separate designated expenditures. Budgeted amounts in the ten-year projections appear to be adequate, based on past use.
- **Other Backbone Capital.** Interceptor replacement is budgeted for completion over a 20-year period and increased by the rate of inflation for the balance of the 10-year period.

FUND BALANCE

Fund balances in the Sewer Enterprise Fund are reserved for a number of capital and operating obligations. There are functions that are budgeted over the 10-year period, such as bond repayment, collection capital expenditures, Backbone Capital Expenditures and Trunk line Capital Expenditures. A portion of the fund balance is reserved each year for these purposes. The remaining, not reserved for debt repayment or capital, is designated as the Operation and Maintenance Expense Reserve Fund.

Minimum working capital is established at 10% of total operating expenses. Debt is excluded from this calculation because it is specifically reserved each year in the Fund Balance.

10 YEAR FUND STRATEGY

In summary, the Sewer Fund over the next 10 years is prepared to:

- Fund collection system replacements.
- Fund Trunk line expenses into developing areas within the 201 service area.
- Assist self-funded improvement districts to replace failing septic systems and subsidize the cost of construction by 30%.
- Resolve the problem of excessive infiltration into the sewer system by the special sanitation districts.
- Respond to increasing requests to amend the 201 Sewer Service Area as urbanization continues.

**REVENUE PROJECTIONS:
 ORGANIZATION NUMBER: 62211 - 62223
 DIVISION: WASTEWATER SERVICES**

FUND 902 REVENUE PROJECTIONS

Revenue projections for Fund 902, the Sewer General Fund, are proposed to include a rate increase of 2.50% in 2006 and 2007.

EQU

Year	2005	2006	2007
Proposed 2.5% rate increase	\$ 13.56	\$ 13.90	\$ 14.25
Proposed Rate	\$ 13.56	\$ 13.90	\$ 14.25

FUND 903 TRUNK EXTENSION REVENUE PROJECTIONS

Trunk Extension Revenues are received as homes are constructed, or existing homes connect to designated trunk lines. Revenue projects have increased due to construction within existing trunk extension reimbursement areas. There are currently no new trunk extensions planned during the 2006/2007 budget cycle.

FUND 904 BACKBONE REVENUE PROJECTIONS

Fund 904 revenues are directly correlated to Fund 902 revenues. Fund 904 revenues mirror fund 902 by the same percentages. If Fund 902 is proposed to increase 2.5%, then Fund 904 increases by the same amount.

FUND 906 SEWER IMPROVEMENT DISTRICT REVENUE PROJECTIONS

Sewer improvement district revenues anticipate that 40% of the properties in the district pay within the 30 day "pay in full" period. The remaining 60% finance their proportionate share of the improvements over 10 years at 8%. Only improvement districts that have voted to move forward for construction (and the County Commissioners, or City Council, have legally formed the respective improvement district) are included in the analysis.

	2005	2006	2007
902	\$6,671,842	\$7,023,495	\$7,573,864
903	\$73,820	\$69,936	\$70,551
904 & 905	\$1,667,218	\$1,750,767	\$1,838,502
906	\$508,034	\$395,551	369,264
TOTAL	\$8,920,914	\$9,239,749	\$9,852,181

Totals do not include anticipated county LIDs shown in Ten Year Plan

BUDGET NARRATIVE OVERVIEW

ORGANIZATION NUMBER: 62211 (Plant)

DIVISION: WASTEWATER SERVICES DIVISION

The Organization Number 62211 includes the total operation of the Persigo Treatment Facility. The facility is staffed by 27 FTE's and two seasonal part time workers. During the next few years there are many issues facing the Persigo plant operation. The issues are:

- Discharge Permit Negotiation – The State of Colorado and the United States Fish and Wildlife Service (USFWS) are proposing to mandate more stringent discharge limitations on the Persigo Facility. The City has been granted a “Temporary Modification” to its current discharge limitations. The Temporary Modification allows the City additional time to study the issue and offer feed back to the regulatory agencies. The Temporary Modification will expire February 2009.

- Biosolids Disposal – During June, 2004, plant staff, assisted by Stantec Engineering, performed a Biosolids Composting Pilot Study at the Persigo treatment facility. The purpose of the study was to determine if a composting operation could be performed at the treatment facility without generating offensive odors, and to determine the operational cost.

The aerated static pile compost process used during the study consists of biosolids, mixed with woodchips, and placed in a large pile for a period of 21 days. A blower is used to draw air down through the pile to aid decomposition processes and to minimize odor generation.

As a result of the study, it has been determined that the composting operation can be performed at the Persigo treatment facility, and a financial operating plan has been generated. A recommendation to implement the composting operation is contingent upon a comparison of operational costs to the current biosolids disposal cost of landfilling.

- Electrical Generation – The Persigo facility anticipates spending approximately \$400,000 for electricity during 2006. During 2006, proposed studies will examine ways to reduce this cost. The studies will look at conservation measures as well as utilizing waste methane gas, generated during treatment processes at the plant, to generate electricity.

ACCOUNT SUMMARY: FUND 902

ORGANIZATION NUMBER: 62211 (Plant)

DIVISION: WASTEWATER SERVICES DIVISION

WASTEWATER SERVICES ORG

62211

	2002	2003	2004	2005	2005R	2006	2007
Revenue	\$228,041	\$242,106	\$304,257	\$202,660	\$221,125	\$222,787	\$225,187
Debt	\$984,271	\$3,575,477	\$1,068,450	\$1,173,555	\$1,173,555	\$1,172,750	\$1,176,338
Personnel	\$1,061,643	\$1,136,225	\$1,122,911	\$1,184,795	\$1,184,795	\$1,260,780	\$1,285,996
Non-Personnel	\$715,497	\$934,847	\$809,624	\$930,286	\$957,688	\$1,137,628	\$1,128,306
Interfund Charges	\$81,196	\$86,358	\$106,640	\$109,576	\$111,836	\$160,163	\$163,564
Operating Capital	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$2,842,607	\$5,732,907	\$3,107,625	\$3,398,212	\$3,427,874	\$3,731,321	\$3,979,382

	02-03	03-04	04-05	05-05R	05R-06	06-07
Revenue	6.2%	26%	-33%	9.1%	0.80%	1.1%
Debt	263%	-70%	9.8%	0%	-0.5%	2.1%
Personnel	7%	-1.2%	5.5%	0%	6.4%	2.0%
Non-Personnel	30.7%	-15.5%	14.9%	2.9%	18.8%	-0.8%
Interfund Charges	6.0%	23.5%	2.8%	2.1%	43.2%	2.0%
Operating Capital	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL	100.2%	-84.5%	9.4%	0.8%	8.9%	6.6%

SIGNIFICANT BUDGETARY ISSUES:
ORGANIZATION NUMBER:62211
DIVISION:WASTEWATER SERVICES

REVISED 2005:
62211

43474 SEPTIC TANK DISPOSAL (REVENUE) **+ \$13,465**
Result of disposal fee increase effective 2004.

43477 INDUSTRIAL PRETREATMENT FINES (REVENUE) **+ \$5,000**
Fine paid by Grand Mesa Radiator, result of illegal discharge.

61130 PLANT OPERATING SUPPLIES **+\$4,140.44**
Reduced Bags, Plastic-Visquen -\$333.56, Bulbs -\$359, Dry Mix Cement -\$383, Charts -\$136, Office Equipment -\$478, Non-Mobile Safety Equipment +\$216, Film Processing -\$200, Leather Gloves -\$200, Lab Supplies -\$410, Lunch Meetings ---\$150. Increased Equipment, Safety Meters +\$6,574, Purchased three additional atmospheric testing meters to be used by plant & collections personnel.

61140 JANITORIAL SUPPLIES **+\$2,371**
Reduced Cleaning Supplies to anticipated amount. Increase +\$2,500 for animal control.

61490 CHEMICALS **+\$35,053**
23% price increase for chlorine (+\$5,095), 43% price increase for polymer (+\$16,734). Based on historical usage, not enough budgeted for ferrous chloride (+12,000), or reagents (+1,224)

62210 GENERAL REPAIR & MAINTENANCE **+10,114**
Lab Air Conditioner Compressor Failure +\$6,313.63, Reduced Batteries -\$500, Belts -\$365, Mobile Safety Equipment -\$924, Flow Meter repair -\$2,000, Toro Lawn Mower -\$550, Pager -\$270, Pump Station Repair -\$550, Repairs -\$1,000. Increased Meters +\$6,959.88, replaced F.E. Control Meter & In-plant Waste Station Sonic Meter due to Failure. +\$3000 for plant landscaping.

65207 NATURAL GAS **+\$25,053**
34% price increase.

65308 ELECTRICITY **-\$36,170**
Electrical costs have not increased to anticipated levels.

68250 MILEAGE **-\$3,000**
Current Wastewater Superintendent uses City vehicle, not paying mileage.

68290 BUSINESS TRIPS **-\$1,845**
Adjusted to reflect anticipated amount.

68370 TRAINING **-\$4,120**
Adjusted to reflect anticipated amount.

70410 CONTRACT SERVICES **-\$2,400**
Will not contract for office cleaning.

70682 VEHICLE FUEL **+\$2,260**

PROPOSED 2006:

61105 Office Supplies **+\$1,627**

Major increase is additional \$1,245 to allow for purchase of additional printer as needed.

61130 OPERATING SUPPLIES **-\$8,195**
Reduced to anticipated amount

61140 JANITORIAL SUPPLIES **-\$1,976**
Reduced to anticipated amount

61490 CHEMICALS **+\$54,643**
Chlorine and polymer price increase.

62210 GENERAL REPAIR & MAINTENANCE **+\$28,267**
Major increases are: Electrical +\$4,429, Equipment Repair +\$6,739, Pump Impellor for Raw Sewage Lift Pump +\$10,500, Electrical Motors +\$5,760, Valve Main Repairs +\$6,657

65207 GAS **+\$8,575**
Increased to anticipated amount.

68290 BUSINESS TRIPS **+\$2,400**
Increase due to Permit negotiation, composting and ammonia removal

PROPOSED 2007

62210 GENERAL REPAIR AND MAINTENANCE **-\$10,500**
Reduction due to one time purchase of Raw Sewage Pump Impellor during 2006.

BUDGET NARRATIVE OVERVIEW

ORGANIZATION NUMBER: 62221 (Collections)

DIVISION: WASTEWATER SERVICES DIVISION

The Organizational code 62221 is used to identify the 201 sewage collection system. This system is comprised of four independent sewer districts: 1) City of Grand Junction; 2) Fruitvale Sanitation; 3) Central Grand Valley; 4) Orchard Mesa.

The City of Grand Junction Sewer District is comprised of approximately 488 miles of sewer pipe ranging in size from 6 inch to 54 inch. These pipes are cleaned on a once per nineteen months basis by the collection cleaning crews, which are comprised of six employees operating three high pressure jetting trucks.

Issues facing the collection system operation include:

- Sewer District Dissolution – Between 2008 and 2012, all of the independent sewer districts will be dissolved. As a result of their dissolution, the City will accept responsibility for their systems. The first district scheduled for dissolution is the Fruitvale Sanitation District, which will occur during 2008.

As these districts dissolve, the City will be required to increase staff and purchase additional equipment to accommodate the additional workload.

- Sanitary Sewer Contract Cleaning – In anticipation of taking over the Fruitvale Sanitation District during 2008, the City has reached an agreement with the district to perform contract cleaning of their system.

Between June, 2005, and January, 2007, the City will dedicate approximately ten hours per week to perform collections system cleaning of the Fruitvale system. This ten hours will allow the City to clean Fruitvale's entire system, prior to take over. As agreed upon by the district, the City is being reimbursed for actual costs of the cleaning activity.

- Storm Sewer Contract Cleaning – The City of Grand Junction Storm Sewer System is managed by the City's Street Department. As a result of Phase II Storm Water regulations, the City is required to increase their storm sewer cleaning frequency. In an attempt to avoid duplication of equipment, the City Street Department has contracted with Persigo to perform this cleaning.

ACCOUNT SUMMARY: FUND 902

ORGANIZATION NUMBER: 62221 (COLLECTIONS)

DIVISION: WASTEWATER SERVICES DIVISION

WASTEWATER SERVICES ORG

62221

	2002	2003	2004	2005	2005R	2006	2007
Revenue	\$5,181,395	\$5,365,739	\$5,332,473	\$6,293,526	\$6,322,526	\$6,448,253	\$6,947,006
Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$393,311	\$373,334	\$441,746	\$457,945	\$457,945	\$513,287	\$523,553
Non-Personnel	\$103,431	\$66,128	\$59,798	\$92,193	\$89,628	\$93,046	\$93,046
Interfund Charges	\$688,658	\$693,709	\$728,736	\$708,925	\$713,354	\$734,755	\$749,450
Operating Capital	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL EXPENCE	\$1,185,400	\$1,133,171	\$1,230,280	\$1,263,732	\$1,260,932	\$1,341,088	\$1,366,049

	02-03	03-04	04-05	05-05R	05R-06	06-07
Revenue	4%	-1.0%	18%	0.46%	2.0%	7.7%
Debt	N/A	N/A	N/A	N/A	N/A	
Personnel	-5%	18%	3.7%	0%	12.1%	2.0%
Non-Personnel	-56.4%	-10.6%	54.2%	-2.7%	3.8%	0%
Interfund Charges	0.7%	5.1%	-2.8%	0.6%	3.0%	2.0%
Operating Capital	N/A	N/A!	N/A	N/A	N/A	N/A
TOTAL	-4.6%	8.6%	2.7%	-0.2%	6.4%	1.9%

SIGNIFICANT BUDGETARY ISSUES:
ORGANIZATION NUMBER:62221
DIVISION:WASTEWATER SERVICES

REVISED 2005:

43463 FRUITVALE 201 SEWER CHARGE (Revenue) Contract cleaning of Fruitvale system.	+\$29,000
62210 GENERAL REPAIR & MAINTENANCE Reduced Electrical cost by \$500. Reduced Pump Station Repair by \$2,900 (all P.S. Repair should be charged to Lift Stations) Increased Hose Clamps & Connectors \$4,514, to allow needed purchase of hose for the Jetter trucks.	+\$1,114
62720 OUTSIDE PROPERETY DAMAGE Policy Change regarding reimbursement	+\$5,700
65420 WATER Reduced to anticipated amount.	-\$8,375
70682 VEHICLE FUEL – CITY Increase in fuel Costs	+4,669

PROPOSED 2006:

61450 SIGNS & MARKINGS Purchasing new traffic cones that comply with new state height requirement.	+\$2,336
62210 GENERAL REPAIR AND MAINTENANCE Reduced to anticipated amount.	-\$3,887
62720 DAMAGE TO OUTSIDE PROPERTY Result of policy change regarding property damage reimbursement.	+\$3,000
70655 INTERFUND LINE REPAIRS Account fluctuates, used 2004 actual + 3%	+\$35,202

BUDGET NARRATIVE OVERVIEW

ORGANIZATION NUMBER: 62222 (Lift Stations)

DIVISION: WASTEWATER SERVICES DIVISION

The Organizational code 62222 is used to identify the Sewage Lift Station operation & maintenance program.

The purpose of a lift station is to pump sewage to such an elevation as to allow gravity flow through the sewer system. The City currently maintains 32 lift Stations. These stations are maintained by one Lead Mechanic.

The major issue facing the Lift Station program is identifying the anticipated work load associated with the dissolution of the three independent sewer districts. Staff will continue to identify the work load and justify additional equipment and/or personnel through the budget process as the need is identified.

ACCOUNT SUMMARY: FUND 902

ORGANIZATION NUMBER: 62222 (LIFT STATIONS)

DIVISION: WASTEWATER SERVICES DIVISION

WASTEWATER SERVICES ORG 62222

	2002	2003	2004	2005	2005R	2006	2007
Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Personnel	\$63,512	\$66,634	\$109,308	\$113,876	113,876	\$122,801	\$125,257
Non-Personnel	\$18,306	\$22,146	\$13,878	\$14,785	\$14,785	\$16,456	\$16,456
Interfund Charges Operating Capital	\$7,864	\$8,751	\$8,136	\$6,806	\$8,681	\$8,500	\$8,645
TOTAL	\$89,682	\$97,531	\$131,322	\$135,467	\$137,342	147,757	\$150,358

	02-03	03-04	04-05	05-05R	05R-06	06-07
Revenue	N/A	N/A	N/A	N/A	N/A	N/A
Debt	N/A	N/A	N/A	N/A	N/A	N/A
Personnel	5%	64%	4%	0%	7.8%	2.0%
Non-Personnel	21.0%	-59.6%	6.5%	0%	11.3%	0%
Interfund Charges Operating Capital	11.3%	-7.6%	-19.5%	27.5%	3.0%	2.0%
TOTAL	8.8%	34.6%	3.4%	1.4%	7.6%	1.8%

SIGNIFICANT BUDGETARY ISSUES:
ORGANIZATION NUMBER:62222
DIVISION:WASTEWATER SERVICES

REVISED 2005:
62222

70682 Vehicle Fuel – City

+\$1,875

BUDGET NARRATIVE OVERVIEW

ORGANIZATION NUMBER: 62212 & 621121

DIVISION: WASTEWATER SERVICES DIVISION

1) PERSIGO WASH TEMPORARY MODIFICATION WORK STUDIES

Funds 902-62112 & 621121, 904-62112 & 621121

Background: Persigo Wash is the receiving stream for the discharge from the Persigo Wastewater Treatment Facility. Persigo Wash discharges into the Colorado River about 900 feet downstream of the treatment facility, which is designated as critical aquatic habitat for threatened and endangered fish species listed under the Endangered Species Act (ESA).

In 2000 the Colorado Water Quality Control Division proposed setting stringent water quality stream standards on Persigo Wash to protect aquatic species. Prior to the proposal Persigo Wash had only basic stream standards in place. The City objected to this proposal as there was no evidence that the wastewater treatment plant discharge was affecting aquatic life in Persigo Wash, which serves to drain groundwater from surrounding agricultural irrigated fields and is highly contaminated with selenium. Due to these objections, the Colorado Water Quality Control Commission granted a temporary modification of stream standards on Persigo Wash in July, 2001 at a Rulemaking Hearing on the Lower Colorado River Basin.

The purpose of the temporary modification is to allow time for the City and others to perform studies on Persigo Wash and the Colorado River. The outcome of the studies will determine the final discharge limits placed on the treatment facility. The temporary modification of stream standards expires in February 2009. At that time a new discharge permit will be issued, taking into consideration the final results of the temporary modification studies.

Scientific analyses and engineering studies are needed to:

- Make sure the proper stream standards are applied on Persigo Wash;
- Evaluate the feasibility of discharge points in the Wash from the treatment plant or moving the discharge point elsewhere, including into the Colorado River;
- Evaluate the need for additional treatment processes, if any, for the wastewater treatment plant; and
- Evaluate the affect of any action on the endangered fish species which reside in critical habitat in the Colorado River.

Workplan studies and reports: Studies to support the workplan effort were performed in 2003 and 2004 for water quality analyses, toxicity, biological testing (invertebrates and fish) and habitat characterization on Persigo Wash. These analyses provided the basic characterization of Persigo Wash and are under

review to determine if the aquatic life use in Persigo Wash is met with current water quality conditions in the Wash and from the wastewater treatment plant. The analyses performed provide the documentation and support for potential site-specific standards in the Wash. Budgeted funds are in place for the 2006 and 2007 as contingency if t State, US Environmental Protection Agency or US Fish and Wildlife Service indicates additional tests need to be performed.

Final products of the studies will be a Persigo Wash Habitat Characterization Report and a Use Attainability Analyses Report which will support a final report and proposal of site-specific water quality standards to the Water Quality Control Commission. A Treatment Plant Discharge Options report will also be produced that recommends final options for the Persigo plant that are based on the proper stream standards in Persigo Wash.

Fiscal Impact: The total fiscal impact, from 2003 through 2008, of the temporary modification studies to the 902 and 904 funds is estimated to be \$191,783.

The yearly fiscal impacts of operating and capital expenditures directly related to the temporary modification studies are:

\$23,630	2003 Actual
\$33,153	2004 Actual
\$20,000	2005 Budgeted
\$20,000	2005 Revised
\$30,000	2006 Requested
\$60,000	2007 Requested
\$5,000	2008 Proposed

Persigo Wash Temporary Modification workgroup: State and federal agencies are working with the City of Grand Junction to address the temporary modification. Workgroup progress to date includes:

Assembling the team of process stakeholders (U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency Region 8 Water Quality Unit, Colorado Department of Public Health and Environment (CDPHE) Water Quality Control Division, Mesa County, Colorado Division of Wildlife, Bureau of Reclamation, U.S. Geological Survey, Colorado River Water Conservation District, City of Fruita, Natural Resources Conservation Service, Mesa County Soil Conservation District and Grand Junction Drainage District).

Designing workplan study objectives and elements to ensure issues of concern to all participants are addressed: Studies that will directly benefit the City of Grand Junction, such as water quality and biological (fish and invertebrate) monitoring on Persigo Wash, have been performed. In order to pursue site-specific standards on Persigo Wash the US Fish & Wildlife Service (USFWS) and Colorado Division of Wildlife has indicated that prohibitively expensive and

specific toxicological and reproductive studies on the ESA-listed fish species are needed. These studies have been estimated to cost around \$1,000,000 for a single selenium site-specific standard on Sand Creek, a tributary to the South Platte River on the front range. ESA-listed fish do not live in Sand Creek. Grand Junction cannot afford these types of expensive studies, of which the findings may not be supported by USFWS.

Implementing workplan water quality and biological sampling: Monthly water quality sampling was performed on Persigo Wash in 2003 and 2004 by the City of Grand Junction to characterize current water quality, biological and habitat conditions. This was the first phase of study elements in the workplan. The United States Fish and Wildlife Service and Colorado Division of Wildlife have also performed fish surveys and limited water quality sampling on all the Grand Valley tributaries.

Performing Persigo Wastewater Treatment Facility studies: Engineering studies related to the Workplan are under current study to evaluate existing process systems and possible conversion to a nitrification / denitrification treatment facility, and to estimate costs associated with engineering, permitting, impacts to local industries and construction costs for discharge options for the Persigo WWTF, including an outfall / diffuser system to the Colorado River.

SIGNIFICANT BUDGETARY ISSUES:

ORGANIZATION NUMBER: 62112 & 621121

DIVISION: WASTEWATER SERVICES

REVISED 2005:

902-62112-61130-101128 Operating Supplies, AOL Online Service -\$300
AOL internet service no longer needed due to decreased business travel,
increased availability of internet service in hotels

902-62112-68290-004710 Business trips -\$2000
Decreased frequency of business trips to Denver due to storm water Phase II
program responsibilities

902-62112-68380-004710 College Tuition Reimbursement -\$6000
Not able to pursue advanced degree due to time demands of storm water Phase
II program responsibilities that are over and above a normal work week schedule

902-62112-78600-105320 Office Furniture +\$500
Two chairs to replace aging chairs (one desk chair, one reception chair)

902-621121-42299-130185 Other Federal Grants +\$25000
Revenue account, USEPA grant funding for selenium characterization of Persigo
Wash

902-621121-70410-130185 Contract Services +\$25000
Selenium characterization of Persigo Wash, contracted to United States
Geological Services

PROPOSED 2006:

902-62112-70210-133289 Consultant Services -\$15,000
Decreased amount due to possible negotiated Persigo discharge permit renewal
with State of Colorado

902-621121-42299-130185 Other Federal Grants +\$5000
Revenue account, USEPA grant funding for selenium characterization of Persigo
Wash

902-621121-70410-130185 Contract Services +\$5,000
Develop final report for selenium characterization of Persigo Wash, contracted to
United States Geological Services

902-621121-70390-102745 & 133075 Contract Labor -\$10,000
Decreased level of analyses for Persigo Wash, Colorado River

ACCOUNT SUMMARY: FUND 902/904
ORGANIZATION NUMBER: 62211 - 62223
DIVISION: WASTEWATER SERVICES DIVISION

WASTEWATER SERVICES ORG 62211
62222

	2002	2003	2004	2005	2005R	2006	2007
Debt	\$984,271	\$3,575,477	\$1,068,450	\$1,173,555	\$1,173,555	\$1,172,750	\$1,176,338
Personnel	\$1,649,505	\$1,721,117	\$1,809,905	\$1,923,103	\$1,923,103	\$2,074,926	\$2,116,425
Non-Personnel	\$837,234	\$1,023,121	\$883,334	\$1,037,263	\$1,062,101	\$1,172,269	\$1,161,769
Interfund Charges	\$777,718	\$788,818	\$843,512	\$825,307	825,430	\$850,193	\$867,197
Major Capital	\$0	\$0	\$0	\$728,677	\$728,667	\$76,000	\$75,000
TOTAL	\$4,248,728	\$7,108,533	\$4,605,201	\$5,696,709	\$5,712,856	\$5,270,138	\$5,396,729

	02-03	03-04	04-05	05-05R	05R-06	06-07
Debt	263%	-70%	10%	0%	-0.5%	2.1%
Personnel	4.0%	5.0%	6.3%	0%	7.9%	2.0%
Non-Personnel	22.2%	-15.8%	17.4%	2.4%	10.4%	-2.0%
Interfund Charges	1.0%	7.0%	-1%	0.01%	3.0%	2.0%
TOTAL	67.3%	-54.4%	23.7%	0.3%	-8.4%	2.4%

OPERATING CAPITAL:

ORGANIZATION NUMBER: 62211 - 62223

DIVISION: WASTEWATER SERVICES

Revised 2005:

None

2006:

None

2007:

None

MAJOR CAPITAL:

ORGANIZATION NUMBER:62211 - 62223

DIVISION:WASTEWATER SERVICES

The Sewer Capital Funds encompass Fund 903 Trunk Extensions, Fund 904 Backbone Improvements, Fund 905 Collection System Improvements, and Fund 906 Sewer Improvement Districts.

Fund 903 Sewer Trunk Extension Fund

There are currently no trunk line extensions proposed for the 2006-2007 budget.

Fund 904 Sewer Backbone Fund

F06400 Plant Backbone Improvements.

This activity code tracks major upgrades at the wastewater treatment plant. Typically this is money generally budgeted to cover major capital replacements at the plant, even though individual projects may be unknown at budget time. However, for the years 2006-2007, staff has identified the following:

Pump Replacement

The Persigo Treatment Facility was originally equipped with 10 Moyno progressive cavity sludge transfer pumps. Over the years these pumps have become very expensive to maintain. Repair bills during 2002, 2003, and 2004 total \$59,212.

In an attempt to identify an alternative pump, two of the original ten Moyno pumps have been replaced with SEEPEX pumps. The two replacement SEEPEX pumps have proven to be reliable and require much less maintenance than the Moyno pumps. Cost of the SEEPEX pump is \$7,000 each. Total cost to replace the remaining eight Moyno pumps is \$56,000.

Electrical Generation

During 2005, Trident Energy Services performed a preliminary energy audit of the Persigo Wastewater Facility. The purpose of the audit was to identify opportunities to conserve energy. The Audit was performed through the Rebuild Colorado program and was paid for by the Governor's Office of Energy Management.

As a result of the preliminary study, a significant savings opportunity was identified as a result of utilizing waste methane gas, produced from the anaerobic digestion process, to operate an electrical generator. The study shows the

current quantity of 24,000,000 cubic feet of gas generated per year (currently burned off through the waste gas burner) is sufficient to operate a 200 Kilowatt generator which would result in a \$70,000 dollar per year electrical cost savings.

During 2006, \$20,000 is being budgeted to perform a more detailed study regarding the feasibility of electrical generation.

Projects	2006	2007
Replace Eight Moyno Pumps	\$56,000	
Electrical Production Study/Installation	\$20,000	\$75,000
Total	\$76,000	\$75,000

Environmental Compliance

F54300

Persigo WWTF Mixing Zone Analyses +\$80,000

Mixing Zone analyses for discharge from Persigo WWTF into Persigo Wash & Colorado River, originally budgeted in 2002 but delayed due to ongoing discharge permit renewal negotiations with State

F57600 Persigo Wash Temp Mod Studies +\$15,000. Perform Persigo Wash habitat characterization report

F57600 Persigo Wash Temp Mod Studies +\$50,000. Draft Persigo Wash Temporary Modification report (final report budget \$5,000 in 2008)

Projects	2006	2007
Mixing Zone Study	\$80,000	
Persigo Wash Habitat Study	\$15,000	
Persigo Wash Temp Mod Study		\$50,000
Total	\$95,000	\$50,000

F10100 Interceptor Replacements

Current projects include the elimination of the Duck Pond lift station that includes construction of a 24 inch interceptor sewer line to convey sewer flow from the Orchard Mesa basin. This project is scheduled to be completed in September of 2005.

A portion of the River Trunk interceptor that is located along a section of the Riverside Parkway alignment will be rehabilitated in 2005 using a CIPP liner system.

In February of 2005, Persigo staff conducted a cursory inspection of the River Road interceptor. Staff is evaluating the condition of the 54" concrete pipe along the alignment of the Riverside Parkway. One location at the discharge for the

Paradise Hills interceptor near 24½ Road and River Road will need to be repaired prior to construction of the Riverside Parkway. This work is scheduled for early 2006. Staff will continue the TV inspection of the interceptor in the fall of 2005 utilizing new TV equipment purchased this year. Upon completion of the inspection and evaluation of the existing pipe, staff will determine if rehabilitation or replacement efforts are warranted.

PROJECT	2005 Rev	2006	2007
Duck Pond L.S. Elimination	\$1,842,000		
West Main Interceptor	\$156,000		
Int. Replacement (undetermined)	\$115,436	\$172,037	\$230,198
Evaluate River Rd. Interceptor	\$20,000		
Repair River Rd. Interceptor		\$50,000	
Total	\$2,115,436	\$222,037	\$230,198

Fund 905 Sewer Collection Systems Fund

F10200 Sewer Line Replacement, Collection System.

Changes are proposed for the 2006 through 2007 budget based on the following projects. The 2006 budget is for replacement of the Pepsi lift station and elimination of the Rosevale lift station. The Rosevale lift station was installed in 1997 and will be relocated to the current site of the Pepsi lift station (installed 1978) with this project. Present value of a lift station within the Persigo system is \$248,400. Proposed budget revisions for 2007 include replacement/rehabilitation of back yard sewer lines. No changes are proposed for the 2005 Rev budget that includes construction of the Lime Kiln Gulch sewer extension (eliminating the Panorama #2 lift station), and replacement/rehabilitation of back yard sewer lines in the Sherwood Park area.

	2005 Rev	2006	2007
Original	\$864,388	\$220,628	\$229,454
Proposed	\$864,388	\$150,000	\$221,700

F10300 Sewer Line Repl / Alley Reconstruction. Changes are proposed for the 2006-2007 budget in order to accommodate an increase amount of sewer line replacements due to alley reconstructions and recent cost increases of construction materials. Anticipated costs are based on 20 alley locations that are currently in the queue for formation of alley improvement districts over the next two years.

	2005 Rev	2006	2007
Original	\$223,101	\$135,200	\$140,608
Proposed	\$223,101	\$168,300	\$205,900

Overall between F10200 and F10300, an additional \$20,011 is requested to be reallocated from fund balance to cover anticipated cost increases for collection system replacements.

Fund 906 Sewer Improvement Districts Fund

F48200 Sewer Improvement Districts.

SEPTIC SYSTEM ELIMINATION PROGRAM

The current budget for future implementation of this program is based on funding from sewer fund 906. Several improvement districts were funded utilizing a Colorado Water Resources and Power Development Authority (CWRPDA) loan. The loan amount was \$4,588,104 that is being repaid over a 10 year period with an interest rate of 3.62%. Annual payments of \$555,002 will be made through 2013.

Past Success. Since its inception, the program has funded \$6,688,813 worth of improvements in 14 separate districts benefiting 844 properties. As discussed above, funding has been through the Persigo sewer system fund balance and CWRPDA loan.

Description	# of lots benefited	Length of main constructed (lineal feet)	Year	Cost
Columbine	67	6,378	2000	\$ 492,428
Appleton #2	34	3,542	2000	\$ 349,867
Northfield Estates #2	50	7,215	2001	\$ 401,477
Manzana	8.88	498	2001	\$ 49,037
Monument Meadows	13	973	2001	\$ 60,818
Country Club Park #2	65	7,400	2001	\$ 577,742
23 Rd and S/O C340	District did not form	0	2002	
West Scenic	14.44	1,303	2002	\$ 91,298
Redlands Village South	118	9,822	2002	\$ 742,186
Redlands Village Northwest	172	15,030	2003	\$ 1,147,537
Redlands Village Northeast	39	3,200	2003	\$ 288,896
Skyway	219	28,092	2003	\$ 2,151,364
North Terrace	14	1,261	2003	\$ 79,407
26.5 Road	9	1,192	2003	\$ 95,439
Hodesha	District did not form		2005	
Music Lane	21	2,583	2004	\$ 161,317
Total	844.32	88,489		\$ 6,688,813

Current Success. The Mesa Grande ID is currently under construction and is anticipated to be completed in September of 2005. We will be receiving bids on the F½ & 26 Road ID in August 2005 and are currently working on design of:

Description	Number of Lots Benefited	Length of Main Required	2005	2006	Total Project
Mesa Grande Sayre DR.	63	5,804	\$555,650		\$555,650
F ½ & 26 Rd	11	1,100	\$95,000		\$95,000
Galley Lane	28	2,930	\$11,544	\$283,458	\$295,002
* Reed Mesa	147	13,115	\$1,089,350	\$219,171	\$1,308,521
Total	249	22,949	\$1,751,544	\$502,629	\$2,254,173

* Reed Mesa has not formed as of July 2005, based on bids for the project we anticipate that the district will move forward.

Future Success. Pending initial neighborhood meetings to be held during the fall of 2005 and early in 2006, the City may be starting design on another eight (8) districts to benefit and additional 157 homes provided a majority of those residents are interested. Throughout the year the City will receive bids from contractors on those projects, a formal petition will be created with actual costs to install the sewer, and the eight districts will decide individually whether the installation of sewer is appropriate for their area at that time. If approved construction could start as early as spring of 2006.

City staff has again at least "got on the list" with the Colorado Water Resources and Power Development Authority for potential loan funding of the projects below. This action, by no means, requires the City/County to move forward, it only leaves the option open.

Description	# of lots benefitted	main required	2005 Rev	2006	2007
Red Mesa Heights/Canaary Court	69	8700	\$28,540	\$700,816	
Palace Verdes	26	1840	\$7,505	\$184,286	
E/O 26 Road	13	1100	\$4,578	\$112,425	\$17,976
Easter Hill	39	4890		\$20,041	\$492,114
Meandor	21	4220		\$14,310	\$351,386
Bluffs	21	2120		\$7,371	\$180,991
Roundhill	11	1650			\$5,225
Sperber	7	845			\$3,182
Cascade	9	1118			\$3,682
23 Road S/O 340	30	3556			\$12,287
Totals	246	30039	\$40,623	\$1,039,249	\$1,066,843

TRAINING AND BUSINESS TRIPS

ORGANIZATION NUMBER: 62211 (Plant)

DIVISION: WASTEWATER SERVICES DIVISION

DEPARTMENT TRAINING, BUSINESS TRIPS, AND EDUCATION:

Plant operators and collection system personnel are required to maintain certification in their respective fields. Both classifications require continuing education in order to maintain certification. The state has established a Training Unit requirement associated with each level of certification, where the individual receiving the training is awarded 0.1 Training Units for each hour of approved classroom training received.

The training budget request was established by identifying the training unit need of each employee and estimating anticipated costs associated with training that has historically been available.

During 2006 & 2007, staff will strive to supply as much in-house training as possible, in an attempt to reduce the overall training budget.

TRAINING:

ORGANIZATIONAL NUMBER: 62211

DIVISION: WASTEWATER SERVICES

Training to keep Certification, License, CEU's

Employee Name	Title	Certification, License	Reg.	Room	Food/other	2006 Total	2007 Total
Jack Beach	Equipment Operator	Class II Collections	\$ 100.00			\$ 100.00	\$ 100.00
Larry Brown	Maint. Supervisor	Class A W.W./Class III Collections/Class II Distribution	\$ 400.00	\$ 500.00	\$ 375.00		\$ 1,275.00
Mike Drake	W.W. Plant Operator	Class C Water/Class III Collections/Class III Distribution/Class A W.W.	\$ 200.00	\$ 200.00	\$ 150.00	\$ 550.00	\$ 550.00
Kevin Gallegos	Plant Mechanic	W.W. Class C	\$ 100.00	\$ -	\$ -	\$ 100.00	\$ 100.00
Doug Hill	W.W. Plant Operator	W.W. Class A/Class C Water	\$ 400.00	\$ 500.00	\$ 375.00	\$ 1,275.00	
Mike Kruckenberg	Plant Mechanic	Class I Collections/Class D W.W.	\$ 100.00	\$ -	\$ -	\$ 100.00	\$ 100.00
Ruben Salas	W.W. Plant Operator	W.W. Class B	\$ 400.00	\$ 300.00	\$ 200.00		\$ 900.00
Edwin Tankersley	Lead Plant Mechanic	W.W. Class A/Class C Water/Class C Ind. Class III Collections/Class C Distribution	\$ 400.00	\$ 500.00	\$ 375.00		\$ 1,275.00

Dan Tonello	W.W. Superintendent	W.W. Class A/Class C Water/Class C Ind. Class III Collections/Class C Distribution	\$ 200.00	\$ 500.00	\$ 640.00	\$ 1,340.00	\$ 1,340.00
Jay Vancil	W.W. Supervisor	Collections III/Class A W.W.	\$ 400.00	\$ 300.00	\$ 200.00	0	\$ 900.00
Monica Wertenberger	W.W. Plant Operator	W.W. Class A	\$ 400.00	\$ 300.00	\$ 200.00	\$ 900.00	
Susan Britton	W.W. Plant Operator	W.W. Class A/Class C Water/Collections I/Distribution I	\$ 400.00	\$ 500.00	\$ 375.00	\$ 1,275.00	
TOTAL						5,640	6,540

Flexible Training 62211

Employee Name	Title	Certification, License	Reg	Room	Food/other	2006 Total	2007 Total
Bill Beaver	Safety Coordinator	OSHA/Hazwoper	\$ 200.00	\$ 125.00	\$ 175.00	\$500	
Bret Guillory	Utility Engineer	Concrete Pipe Rehabilitation	\$ 600.00	\$ 400.00	\$ 405.00	\$1,405	
Mike Shea	IPT Supervisor	Industrial Pretreatment Conference	\$ 200.00	\$ 500.00	\$ 640.00		\$1,340
Scott Williams	IPT Specialist	Industrial Pretreatment Conference	\$ 200.00	\$ 500.00	\$ 640.00	\$1,340	
Training Aids	Staff	CD Training/Rental CPR	\$ -	\$ -	\$ -	\$ 850	\$850
Total						\$4,095	\$2,190

Business Trips 62211

Employee Name	Title	Type of Business	Rooms	Food	Other	2006 Total	2007 Total
Dan Tonello	Superintendent	Process up-grades/permit negotiating	\$ 375.00	\$ 140.00	\$ 300.00	\$815	\$815
Larry Brown	Supervisor	Process up-grades/Compost	\$ 375.00	\$ 140.00	\$ 300.00	\$815	\$815
Bill Beaver	Safety Coordinator	OSHA / Hazwoper / Homeland Security	\$ 250.00	\$ 70.00	\$ 250.00	\$570	\$570
Mike Shea	IPT Supervisor	IPT Committee	\$ 250.00	\$ 70.00	\$ 250.00	\$570	\$570
Jay Vancil	Supervisor	Process upgrades	\$ 250.00	\$ 70.00	\$ 250.00	\$570	\$ 570
Total						\$3,340	\$3,340

ORGANIZATIONAL NUMBER: 62221

DIVISION: WASTEWATER SERVICES

Training to keep Certification, License, CEU's

Employee Name	Title	Certification, License	Reg.	Room	Food/other	2006 Total	2007 Total
Kevin Benninghoff	Specialty Equipment Operator	Class II Distribution/Class II Collections	\$ 100.00	\$ -	\$ -	\$100	\$100
Chuck Bosshardt	Lead Plant Mechanic	Class I Distribution/Class II Distribution/Electrical Training	\$ 100.00	\$ -	\$ -	\$100	\$100
Craig Bowman	Equipment Operator	Class D W.W./ Class III Distribution	\$ 100.00	\$ -	\$ -	\$100	\$100
Tony Creamer	Specialty Equipment Operator	Class II Collection	\$ 100.00	\$ -	\$ -	\$100	\$100
Phil Guillen	Equipment Operator	Class I Distribution/Class II Collection	\$ 100.00	\$ -	\$ -	\$100	\$100
Manuel Martinez	Specialty Equipment Operator	Class II Collection	\$ 100.00	\$ -	\$ -	\$100	\$100
Bill Wulf	TV Equipment Operator	Class III Collection	\$ 100.00	\$ -	\$ -	\$100	\$100
GBA Master Series						\$1,000	\$1,000
					TOTAL	\$1,700	\$1,700

Flexible Training 62221

Employee Name	Title	Training Course	Reg.	Room	Food/other	2006 Total	2007 Total
Chuck Bosshardt	Lead Plant Mechanic	Electrical Training	\$ -	\$ -	\$ -	\$800	

**TRAINING:
 ORGANIZATIONAL NUMBER: 62221
 DIVISION: WASTEWATER SERVICES**

Employee Name	Title	Training Course	Reg.	Room	Food/other	2006 Total	2007 Total
Eileen List	Environmental Coordinator	WEF Conference	\$ 1,000.00	\$ 800.00	\$ 1,500.00	\$ 3,300.00	\$ 3,300.00
					Total	\$ 3,300.00	\$ 3,300.00

NEW POSITIONS AND RECLASSIFICATIONS

ORGANIZATION NUMBER: 62211 - 62223

DIVISION: WASTEWATER SERVICES

Reclassification Requests-

Promote Jackie Berry from Administrative Assistant - 902-62211-50339-30 to Senior Administrative Assistant- 902-62211-50337-30

Review the appropriateness of Mike Drake's classification as a Wastewater Plant Operator-902-62211-50422-30. Mike's duties differ greatly from those of other operators.

City of Grand Junction
 Department of Public Works and Utilities
 Utilities Division

JOINT SEWER FUND FINANCIAL SUMMARY / 10 Year / With County Sewer I.D.s

Prep: Greg Trainor / Dan Tonello / Bret Guillory
 Revised: February 22, 2005; July 12, 2005

YEAR	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
RATE SECTION										
PROJ.FULL SERVICE RATE INCREASE	5.00%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
FULL SERVICE RATE	\$13.23	\$13.56	\$13.90	\$14.25	\$14.61	\$14.97	\$15.35	\$15.73	\$16.12	\$16.53
PROJ.BACKBONE RATE INCREASE	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
BACKBONE SERVICE RATE	\$9.39	\$9.63	\$9.87	\$10.12	\$10.37	\$10.63	\$10.89	\$11.17	\$11.45	\$11.73
PLANT INVESTMENT FEE INCREASE								2.50%	2.50%	2.50%
PLANT INVESTMENT FEE PER EQU	\$1,250	\$1,500	\$1,750	\$2,000	\$2,100	\$2,200	\$2,250	\$2,310	\$2,370	\$2,430
PLANT INVESTMENT FEE	955	1,035	1,061	1,086	1,113	1,140	1,168	1,197	1,226	1,256
SYSTEM GROWTH RATE	2.45%	2.45%	2.45%	2.45%	2.45%	2.45%	2.45%	2.45%	2.45%	2.45%
Max 30-Day Average Influent	8.47	8.64	8.81	8.99	9.17	9.35	9.54	9.73	9.92	10.12
30 Day Avg Flow Rate	7.79	7.95	8.10	8.27	8.43	8.60	8.77	8.95	9.13	9.31
EQUs served based on flow	27,821	28,378	28,945	29,524	30,115	30,717	31,331	31,958	32,597	33,249
Total EQUs billed		40,412	41,402	42,416	43,455	44,520	45,611	46,728	47,873	49,046
Special District EQUs billed	14,084	14,429	14,782	15,144	15,515	15,896	16,285	16,684	17,093	17,512
Full Service EQUs billed	25,361	25,983	26,619	27,272	27,940	28,624	29,326	30,044	30,780	31,534
Total EQUs billed	42,251	43,286	44,347	45,433	46,546	47,687	48,855	50,052	51,278	52,535
Special District EQUs billed	15,688	16,072	16,466	16,870	17,283	17,706	18,140	18,585	19,040	19,506
Full Service EQUs billed	26,563	27,214	27,881	28,564	29,263	29,980	30,715	31,467	32,238	33,028