

WASTEWATER

Program: Utilities/Wastewater – Capital Construction

Basic Functions:

This activity provides for the planning, engineering and construction of sewer lines, pumping stations and treatment facilities for the Wastewater Program. The Public Works Project Specialist is shown here, but actual expenditures are spread across Wastewater, Water and Transportation projects.

Personnel

| | BUDGET FY'08 # | BUDGET FY'09 # | BUDGET FY'10 # | MANAGER RECOMMEND FY'11 # | COMMITTEE APPROVED FY'11 # | COUNCIL ADOPTED FY'11 # | PROJECTED FY'12 # |
|--------------------|----------------------|----------------------|----------------------|------------------------------------|-------------------------------------|----------------------------------|-------------------------|
| Project Specialist | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

Activity Highlights:

This portion of the Wastewater system receives financing from System Development Charge revenues and transfers from wastewater operations. The Wastewater system includes the treatment plant, three pump stations and the collection system. Major repairs and improvements are financed through this capital budget.

This budget sets aside funds to provide for the major rehabilitation of the treatment plant, pump stations and replacement of deteriorated sewer piping within the collection system.

Budget Highlights:

New this year, we have separated the active projects from the projects that are completed or cancelled and currently being closed out. The Active Capital Project list includes projects coming to a close in FY'10 but which are not finalized at this time.

The project listing now shows resources across the columns. Columns show the Actual resources through FY'09, the re-assessed resource needs of projects using current data for the "Revised FY'10" column, guiding our "Recommended FY'11" and resources estimated "Through FY'11". We have added "Future Years" and "Total Project" columns. The "Future Years" column includes resources shown on the individual project narrative pages as "FY'12 Projected" and "Future".

Program: Utilities/Wastewater – Capital Construction

ALL ACTIVE CAPITAL PROJECT RESOURCES

| | | Actual Through FY'09 | Revised FY'10 | Recommend FY'11 | Total Through FY'11 | Future Years | Total Project |
|---------------------|-------------------------------------|----------------------------|-------------------------|-----------------------|---------------------------|-------------------------|-------------------------|
| SE4161 | Accelerated Maintenance | 291,641 | 50,000 | 50,000 | 391,641 | 200,000 | 591,641 |
| SE4745 | WRP/Jo-Gro™ Equipment Improve | 200,000 | 50,000 | 50,000 | 300,000 | 200,000 | 500,000 |
| SE4960 | Jo-Gro™ Miscellaneous Upgrades | 155,000 | 174,000 | 0 | 329,000 | 150,000 | 479,000 |
| SE4962 | Bridge Street Pump Station Improve. | 487,000 | 0 | 0 | 487,000 | 0 | 487,000 |
| SE4963 | Update WRP Facility Plan | 250,000 | 0 | 0 | 250,000 | 0 | 250,000 |
| SE4964 | WRP Phase 2 Expansion | 271,000 | 391,000 | 100,000 | 762,000 | 9,208,000 | 9,970,000 |
| SE4998 | Indust. Pretreatment Program Updt. | 210,000 | (30,000) | 0 | 180,000 | 0 | 180,000 |
| SE5048 | Gilbert Creek SS Crossing Repair | 40,000 | 0 | 0 | 40,000 | 0 | 40,000 |
| SE5060 | General Engineering | 30,000 | 15,000 | 15,000 | 60,000 | 60,000 | 120,000 |
| SE5080 | WRP Structural Repairs | 75,000 | (25,000) | 0 | 50,000 | 261,000 | 311,000 |
| SE5081 | Collection System Master Plan Updt | 0 | 10,000 | 90,000 | 100,000 | 0 | 100,000 |
| SE5082 | Plant Drain Pump Evaluation | 0 | 20,000 | 0 | 20,000 | 0 | 20,000 |
| Fund 722 | Miscellaneous Projects - SDC Funds | 44,728 | 5,416 | (46,164) | 3,980 | (8,647,120) | (8,643,140) |
| Fund 725 | Miscellaneous Projects - AFD Funds | 83,624 | (2,500) | 0 | 81,124 | 0 | 81,124 |
| Fund 728 | Miscellaneous Projects - General | 1,285,389 | 564,461 | (226,794) | 1,623,056 | (3,962,061) | (2,339,005) |
| NEW PROJECTS | | | | | | | |
| SE6012 | Western Avenue Sewer Repl. | 0 | 0 | 85,000 | 85,000 | 1,715,000 | 1,800,000 |
| SE6050 | L Street Sewer & Water Main Repl. | 0 | 15,000 | 0 | 15,000 | 245,000 | 260,000 |
| SE6055 | 5th Str. Sewer Main Repl. | 0 | 25,000 | 220,000 | 245,000 | 45,000 | 290,000 |
| SE6064 | Sewer Main Structural Repairs | 0 | 0 | 0 | 0 | 3,700,000 | 3,700,000 |
| SE6065 | WRP Roof Replacement | 0 | 50,000 | 150,000 | 200,000 | 0 | 200,000 |
| SE6066 | Methane Gas Generation Evaluation | 0 | 0 | 0 | 0 | 250,000 | 250,000 |
| SE6067 | Sewer Siphon Line Inspection | 0 | 0 | 30,000 | 30,000 | 0 | 30,000 |
| | Total Projects | <u>3,423,382</u> | <u>1,312,377</u> | <u>517,042</u> | <u>5,252,801</u> | <u>3,424,819</u> | <u>8,677,620</u> |

ALL CLOSED OR CANCELLED CAPITAL PROJECT RESOURCES

| | | | | | | | |
|--------|-------------------------------|-----------------------|-------------------------|-----------------|-----------------------|-----------------|-----------------------|
| SE4835 | I to J Alley Sewer Relocation | 341,020 | (45,000) | 0 | 296,020 | 0 | 296,020 |
| SE4913 | Jo-Gro™ Storm Water Improve. | 110,000 | (74,000) | 0 | 36,000 | 0 | 36,000 |
| SE5066 | Judson Sewer LID (729) | 34,363 | (11,684) | 0 | 22,679 | 0 | 22,679 |
| SE5071 | Grit Disposal Pad | 27,000 | (1,942) | 0 | 25,058 | 0 | 25,058 |
| SE5079 | 2nd Street Sewer Replacement | <u>416,088</u> | <u>(501)</u> | <u>0</u> | <u>415,587</u> | <u>0</u> | <u>415,587</u> |
| | Total Projects | <u>928,471</u> | <u>(133,127)</u> | <u>0</u> | <u>795,344</u> | <u>0</u> | <u>795,344</u> |

Program: Utilities/Wastewater – Capital Construction

Financial Summary

| | ACTUAL | ACTUAL | BUDGET | MANAGER | COMMITTEE | COUNCIL | |
|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | FY'08 | FY'09 | FY'10 | RECOMMEND | APPROVED | ADOPTED | PROJECTED |
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Beginning Fund Balance | <u>4,797,018</u> | <u>1,668,619</u> | <u>1,567,089</u> | <u>2,139,002</u> | <u>2,139,002</u> | <u>2,139,002</u> | <u>1,331,101</u> |
| Resources | | | | | | | |
| System Dev. Charges (SDCs) Rev. | 5,368 | 2,239 | 0 | 0 | 0 | 0 | 0 |
| SDC Reimbursement Fee Collect. | 65,213 | 22,701 | 69,300 | 138,836 | 138,836 | 138,836 | 152,720 |
| SDC Improvement Fee Collection | 492,990 | 172,125 | 535,500 | 0 | 0 | 0 | 0 |
| SDC Admin Fee Collection | 17,463 | 5,731 | 19,545 | 0 | 0 | 0 | 0 |
| Investment Interest | 84,655 | 34,744 | 51,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| SDC Loan Interest | 6,667 | 11,043 | 7,000 | 0 | 0 | 0 | 0 |
| Street Utility Fee (From Fund 230) | 440,000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Assessment | 0 | 14,285 | 0 | 0 | 0 | 0 | 0 |
| General Program - Sewer | 1,130,000 | 866,664 | 987,834 | 376,206 | 376,206 | 376,206 | 788,939 |
| Water Utility – Gen. Program Ops. | 50,000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Advance Financing/Interest Rev. | 3,139 | 4,595 | 5,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Other Revenue | <u>2</u> | <u>370</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
| Total Current Resources | <u>2,295,497</u> | <u>1,134,497</u> | <u>1,675,179</u> | <u>517,042</u> | <u>517,042</u> | <u>517,042</u> | <u>943,659</u> |
| Total Resources | <u>7,092,515</u> | <u>2,803,116</u> | <u>3,242,268</u> | <u>2,656,044</u> | <u>2,656,044</u> | <u>2,656,044</u> | <u>2,274,760</u> |
| Requirements | | | | | | | |
| Capital Outlay | 5,423,896 | 767,184 | 956,907 | 1,324,943 | 1,324,943 | 1,324,943 | 1,551,924 |
| Transfers Out | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Appropriated Fund Balance | <u>1,668,619</u> | <u>2,035,932</u> | <u>2,285,361</u> | <u>1,331,101</u> | <u>1,331,101</u> | <u>1,331,101</u> | <u>722,836</u> |
| Total Requirements | <u>7,092,515</u> | <u>2,803,116</u> | <u>3,242,268</u> | <u>2,656,044</u> | <u>2,656,044</u> | <u>2,656,044</u> | <u>2,274,760</u> |

Capital Improvements – Wastewater Projects

Project SE0000 Fund 722 Wastewater System Development Charges

Project Description

This project accounts for money collected during development in order to fund Wastewater projects.

Need for Project

Since the establishment of the Wastewater System Development Charge (SDC), this fund has been used as the depository of these revenues, pending budgetary authorization for use of the funds.

Estimated Total Project Cost: These monies were allocated to specific projects during the Budget process.

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|------------------------------|----------------------|---------------|---------------|-----------------|--------------------|-----------------|-------------|---------------------|
| Wastewater SDC's | 2,374,057 | 624,345 | 180,416 | 138,836 | 2,693,309 | 152,720 | 458,160 | 3,304,189 |
| Wastewater SDC's to Projects | (2,921,829) | (450,000) | (175,000) | (185,000) | (3,281,829) | (150,000) | (9,108,000) | (12,539,829) |
| RSSSD SDC's | 437,129 | | | | 437,129 | | | 437,129 |
| Investment/Loan Interest | 155,371 | 48,000 | | | 155,371 | | | 155,371 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 3,980 | | | (8,643,140) |

Requirements

| | | | | | | | | |
|-------------------------------|---------------|----------------|---------------|--------------|--------------|--------------|--------------------|--------------------|
| Expenditures | | | | | 0 | | | 0 |
| Transfers | | | | | 0 | | | 0 |
| Ending Balance by Year | 44,728 | 267,073 | 50,144 | 3,980 | 3,980 | 6,700 | (8,643,140) | (8,643,140) |
| Total Requirements | | | | | 3,980 | | | (8,643,140) |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

Project SE0000 Fund 725 Wastewater Advanced Financing

Project Description

This project is used by our accounting function to account for all funds reimbursed to the wastewater utility from Advance Financed District (AFD) projects for which the utility was the project developer and revenue source.

Need for Project

The City Council has implemented a series of rate system structures to prepare for these projects, and this account is the method for accumulating all resources available to the system.

Estimated Total Project Cost: This project has no cost. It is an accounting entity for the purpose of accumulating resources.

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|------------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|---------|---------------|
| Wastewater AFD's | 332,517 | 5,000 | 1,000 | 1,000 | 334,517 | 1,000 | 3,000 | 338,517 |
| Wastewater AFD's to Projects | (270,800) | (5,000) | (3,500) | (1,000) | (275,300) | (1,000) | (3,000) | (279,300) |
| Investment Interest | 21,907 | | | | 21,907 | | | 21,907 |
| Total Resources | | | | | 81,124 | | | 81,124 |

Requirements

| | | | | | | | | |
|---------------------------|--------|-------|-----|-----|---------------|-----|-----|---------------|
| Expenditures | 80,940 | | | | 80,940 | | | 80,940 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 2,684 | 2,684 | 184 | 184 | 184 | 184 | 184 | 184 |
| Total Requirements | | | | | 81,124 | | | 81,124 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Utilities/Wastewater

Project SE0000 Fund 728 Sewer Capital Projects – General

Project Description

This project description is used by our accounting function to account for all funds located in the wastewater capital projects funds that are not specifically appropriated to a project. All funds from System Development Charges and all surplus from wastewater operations are deposited in the capital projects fund. When appropriations are needed in the ensuing fiscal period, or if construction scopes are altered to respond to changed conditions, this project is the source for financing for the projects.

Need for Project

The City Council has implemented a series of rate system structures to prepare for these projects, and this account is the method for accumulating all resources available to the system.

Estimated Total Project Cost: This project has no cost. It is an accounting entity for the purpose of accumulating resources.

Schedule

The cash financing accumulation for the wastewater expansion will be continued in this account, with interim financing for the next phase of construction augmenting cash flow to allow the single debt basis anticipated in the rate analysis.

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|--------------------------------------|----------------------|---------------|---------------|-----------------|------------------|-----------------|-------------|--------------------|
| Wastewater Operations Fund Transfers | 6,263,448 | 987,834 | 987,834 | 376,206 | 7,627,488 | 788,939 | 1,730,000 | 10,146,427 |
| Wastewater Capital to Projects | (9,842,271) | (676,000) | (436,953) | (605,000) | (10,884,224) | (766,000) | (5,720,000) | (17,370,224) |
| Advance Finance | 270,800 | 5,000 | 3,500 | 1,000 | 275,300 | 1,000 | 3,000 | 279,300 |
| Investment Interest | 2,136,561 | 10,000 | 10,080 | 1,000 | 2,147,641 | 1,000 | | 2,148,641 |
| Wastewater & RSSSD SDC's | 1,596,687 | | | | 1,596,687 | | | 1,596,687 |
| Other | 860,164 | | | | 860,164 | | | 860,164 |
| Total Resources | | | | | 1,623,056 | | | (2,339,005) |

Requirements

| | | | | | | | | |
|-------------------------------|----------------|----------------|----------------|----------------|------------------|----------------|--------------------|--------------------|
| Expenditures | 469,023 | | | | 469,023 | | | 469,023 |
| Transfers | 494,891 | | | | 494,891 | | | 494,891 |
| Ending Balance by Year | 321,475 | 672,502 | 905,936 | 679,142 | 659,142 | 684,081 | (3,302,919) | (3,302,919) |
| Total Requirements | | | | | 1,623,056 | | | (2,339,005) |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Utilities/Wastewater

Project SE4161 Accelerated Maintenance

Project Description

This project will replace badly deteriorated sewer mains typically prior to paving due to new development or major street or alley repairs.

Need for Project

The maintenance is needed to repair severely structurally defective sewer mains when encountered. Replacement prior to paving avoids the need to cut new or recently replaced paving due to sewer line failure.



Estimated Total Project Cost: The target is \$50,000 per year when funds are available.

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future Through FY'15 | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|----------------------|---------------|
| Wastewater Capital Projects | 291,641 | 50,000 | 50,000 | 50,000 | 391,641 | 50,000 | 150,000 | 441,641 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 391,641 | | | 441,641 |

Requirements

| | | | | | | | | |
|---------------------------|---------|--------|--------|---------|---------|--------|---------|---------|
| Expenditures | 175,005 | 75,000 | 75,000 | 100,000 | 350,005 | 61,636 | 150,000 | 411,641 |
| Transfer | 30,000 | | | | 30,000 | | | 30,000 |
| Ending Balance by Year | 86,636 | 61,636 | 61,636 | 11,636 | 11,636 | 0 | 0 | 0 |
| Total Requirements | | | | | 391,641 | | | 441,641 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

Project SE4745 WRP/JO-GRO™ Equipment Improvement

Project Description

This is the replacement fund for miscellaneous equipment such as gas blender, aeration basin mixers, various pumps, compressors and motors.



Need for Project

Each year pieces of equipment fail due to age and/or mechanical failure. The equipment audit identified various pieces of equipment which will need to be replaced over time. This project will allow the funding of replacement equipment when needed. This project will be similar in nature to SE4161 – Accelerated Maintenance.

Estimated Total Project Cost: \$50,000 per year as funds are available

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future Through FY'15 | Total Project |
|------------------------------------|----------------------|---------------|---------------|-----------------|----------------|-----------------|----------------------|----------------|
| Wastewater Capital Projects | 200,000 | 50,000 | 50,000 | 50,000 | 300,000 | 50,000 | 150,000 | 500,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 300,000 | | | 500,000 |

Requirements

| | | | | | | | | |
|-------------------------------|----------------|---------------|---------------|------------|----------------|----------|----------|----------------|
| Expenditures | 66,063 | 100,000 | 100,000 | 133,000 | 299,063 | 50,937 | 150,000 | 500,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 133,937 | 83,937 | 83,937 | 937 | 937 | 0 | 0 | 0 |
| Total Requirements | | | | | 300,000 | | | 500,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Utilities/Wastewater

Project SE4960 JO-GRO™ Miscellaneous Upgrades

Project Description

This project will provide a physical storm water barrier between the green waste and compost areas. Site paving needs to be repaired/replaced. Concrete will be evaluated as an alternative to asphalt.

Need for Project

Storm water sampling with a high e-coli count will penalize the City's WRP NPDES permit. Separation of the green waste area and the compost area will clarify where the e-coli is originating. Current site paving is failing.



Original estimate of \$225,000 updated to reflect costs associated with combining work with creation of physical storm water barrier originally budgeted in SE4913.

Estimated Total Project Cost: \$479,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|------------------------------------|----------------------|---------------|---------------|-----------------|----------------|-----------------|--------|----------------|
| Wastewater Capital Projects | 155,000 | 100,000 | 174,000 | | 329,000 | 150,000 | | 479,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 329,000 | | | 479,000 |

Requirements

| | | | | | | | | |
|-------------------------------|---------------|---------------|---------------|----------|----------------|----------|----------|----------------|
| Expenditures | 81,395 | 100,000 | 230,000 | 17,605 | 329,000 | 150,000 | | 479,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 73,605 | 73,605 | 17,605 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 329,000 | | | 479,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Utilities/Wastewater

| | | |
|---------|--------|---|
| Project | SE4962 | Bridge Street Pump Station Improvements |
|---------|--------|---|

Project Description

This project will expand the pumping capacity and connection to the 8” force main. Improvements include; new variable frequency drives, flow meter, additional plumbing to allow installation of pig ports and approximately 500’ extension of the 8” force main.

Need for Project

The pump station is approaching capacity of the 4” discharge force main. Also, as a result of detailed inspection performed on the pump station in January of 2006, several deficiencies were found and improvements recommended.



Remaining work includes installation of landscaping and a storm water feature.

Estimated Total Project Cost: \$487,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|------------------------------------|----------------------|---------------|---------------|-----------------|----------------|-----------------|--------|----------------|
| Wastewater Capital Projects | 487,000 | | | | 487,000 | | | 487,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 487,000 | | | 487,000 |

Requirements

| | | | | | | | | |
|-------------------------------|----------------|----------------|---------------|----------|----------------|----------|----------|----------------|
| Expenditures | 204,373 | 108,550 | 250,000 | 32,627 | 487,000 | | | 487,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 282,627 | 174,077 | 32,627 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 487,000 | | | 487,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Utilities/Wastewater

Project SE4963 Update WRP Facility Plan

Project Description

This project will update the facility plan.

Need for Project

ODEQ has suggested updating the facilities plan approximately every 5 years. The update will verify design basis for the planned phase 2 expansion.



Estimated Total Project Cost: \$250,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|--------|---------------|
| Wastewater Capital Projects | 250,000 | | | | 250,000 | | | 250,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 250,000 | | | 250,000 |

Requirements

| | | | | | | | | |
|---------------------------|---------|---------|---------|---------|---------|---------|---|---------|
| Expenditures | 0 | | | 150,000 | 150,000 | 100,000 | | 250,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 250,000 | 250,000 | 250,000 | 100,000 | 100,000 | 0 | 0 | 0 |
| Total Requirements | | | | | 250,000 | | | 250,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Utilities/Wastewater

Project SE4964 WRP Phase 2 Expansion

Project Description

This project will expand aeration basin capacity, install reuse filtration, new secondary clarifier, thickener modifications and miscellaneous piping, electrical and SCADA improvements.

Need for Project

The project will expand the capacity of the WRP and meet anticipated treatment requirements from ODEQ.



Estimated Total Project Cost: \$9,970,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|----------------|-----------------|-----------|------------------|
| Wastewater Capital Projects | 16,000 | 216,000 | 216,000 | | 232,000 | | | 232,000 |
| Wastewater SDC's | 255,000 | 450,000 | 175,000 | 100,000 | 530,000 | 100,000 | 9,108,000 | 9,738,000 |
| Loan prior to construction | | | | | 0 | | | 0 |
| Total Resources | | | | | 762,000 | | | 9,970,000 |

Requirements

| | | | | | | | | |
|---------------------------|---------|---------|---------|---------|----------------|---------|-----------|------------------|
| Expenditures | 0 | 200,000 | | 250,000 | 250,000 | 600,000 | 9,120,000 | 9,970,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 271,000 | 737,000 | 662,000 | 512,000 | 512,000 | 12,000 | 0 | 0 |
| Total Requirements | | | | | 762,000 | | | 9,970,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Utilities/Wastewater

Project SE4998 Update Industrial Pretreatment Program

Project Description

Update the pretreatment program.

Need for Project

A recent inspection by ODEQ, Pretreatment Program Coordinator revealed the City's pretreatment program needs to be updated to achieve compliance with the regulations. The City must submit a plan to correct the found deficiencies by December 29, 2006. The deficiencies must be addressed and corrected prior to the next audit scheduled for the Fall of 2007.

Original estimate of \$210,000 revised as work nearing completion

Estimated Total Project Cost: \$180,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|--------|---------------|
| Wastewater Capital Projects | 210,000 | | (30,000) | | 180,000 | | | 180,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 180,000 | | | 180,000 |

Requirements

| | | | | | | | | |
|---------------------------|---------|--------|--------|--------|---------|---|---|---------|
| Expenditures | 144,536 | | 15,000 | 20,464 | 180,000 | | | 180,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 65,464 | 65,464 | 20,464 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 180,000 | | | 180,000 |

Adopted FY'10 will NOT add into TOTALS

hilite,then F9 to refresh FORMULAS ↑

Capital Improvements – Wastewater Projects

Project SE5048 Gilbert Creek Sanitary Sewer Crossing Repair/Replacement

Project Description

This project will repair the suspended Sanitary Sewer pipe crossing of Gilbert Creek which is failing.

Need for Project

The existing Sanitary Sewer main crossing of Gilbert Creek has failed. The pipe is suspended in the air across the creek on supports, one on each side of the creek. The northern support has completely collapsed and is sitting in the creek channel (this support was placed in the creek channel). As the northern support has failed, the only thing supporting the pipe on the northern end is the pipe in the embankment. This pipe is broken about 4 feet into the embankment. The embankment has also been severely undercut by creek flows. The pipe and support must be replaced, or removed and the Sanitary Sewer alignment changed to eliminate the creek crossing.



Estimated Total Project Cost: \$ Unknown at this time

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|------------------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|--------|---------------|
| Wastewater Capital Projects | 40,000 | | | | 40,000 | | | 40,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 40,000 | | | 40,000 |

Requirements

| | | | | | | | | |
|-------------------------------|--------|--------|--------|--------|---------------|---|---|---------------|
| Expenditures | 17,487 | 7,000 | 7,000 | 15,513 | 40,000 | | | 40,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 22,513 | 15,513 | 15,513 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 40,000 | | | 40,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

| | | |
|---------|--------|---------------------|
| Project | SE5060 | General Engineering |
|---------|--------|---------------------|

Project Description

On November 26, 2007 the City of Grants Pass and Parametrix, Inc. entered into a new, 3 year Wastewater Master Services Agreement for Professional Engineering and Permitting Services (MSA). With this MSA, a number of individual task orders will be assigned, negotiated and executed to undertake a variety of assignments on the City's wastewater facilities.

This project will also be used in the evaluation of consulting firms for a new MSA.

Need for Project

Given the nature of these individual assignments, it is desired for Parametrix to provide general engineering support and guidance for the overall wastewater program to develop the specific individual tasks.

As the MSA expires November 2010, an evaluation of consulting firms will occur with the intention of having a new MSA in place at the expiration of the existing agreement.

Estimated Total Project Cost: \$ 15,000/year

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|------------------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|--------|----------------|
| Wastewater Capital Projects | 30,000 | 15,000 | 15,000 | 15,000 | 60,000 | 15,000 | 45,000 | 120,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 60,000 | | | 120,000 |

Requirements

| | | | | | | | | |
|-------------------------------|---------------|---------------|---------------|--------------|---------------|----------|----------|----------------|
| Expenditures | 6,649 | 15,000 | 25,000 | 25,000 | 56,649 | 18,351 | 45,000 | 120,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 23,351 | 23,351 | 13,351 | 3,351 | 3,351 | 0 | 0 | 0 |
| Total Requirements | | | | | 60,000 | | | 120,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

Project SE5080 WRP Structural Repairs

Project Description

This project will fund many minor repairs necessary for the proper operation and long term maintenance of the Water Restoration Plant. Included items are: roof repairs, exterior painting/restoration, stairways and landings. This project will also repair damage to the riverbank at the outfall location.

Need for Project

The project is needed for efficiency and for safety. It will create a fund for a large number of small capital projects to ensure the longevity of the Water Restoration Plant and its supporting structures. The Water Restoration Plant's main building needs new roofing material and repair of the fascia boards. Additionally the flat roofs on the two out buildings, which have wood rot, need to be replaced. We will convert the flat roofs to a slope roof with metal covers similar to other out buildings we have on site.

Estimated Total Project Cost: \$ 75,000/year

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|---------|---------------|
| Wastewater Capital Projects | 75,000 | 75,000 | (25,000) | | 50,000 | 36,000 | 225,000 | 311,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 50,000 | | | 311,000 |

Requirements

| | | | | | | | | |
|---------------------------|--------|---------|--------|-------|--------|--------|---------|---------|
| Expenditures | 4,266 | 100,000 | 40,000 | 5,734 | 50,000 | 36,000 | 225,000 | 311,000 |
| | | | | | 0 | | | 0 |
| Ending Balance by Year | 70,734 | 45,734 | 5,734 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 50,000 | | | 311,000 |

Capital Improvements – Wastewater Projects

Project SE5081 Collection System Master Plan Update

Project Description

This project will update the Collection System Master Plan completed in 2004.

Need for Project

The Master Plan Update will identify infrastructure requirements and sizing to serve the enlarged Urban Growth Boundary.

Estimated Total Project Cost: \$ 100,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|----------------|-----------------|--------|----------------|
| Wastewater Capital Projects | | 10,000 | 10,000 | 90,000 | 100,000 | | | 100,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 100,000 | | | 100,000 |

Requirements

| | | | | | | | | |
|---------------------------|---|--------|--------|--------|----------------|--------|---|----------------|
| Expenditures | | 10,000 | 10,000 | 70,000 | 80,000 | 20,000 | | 100,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 0 | 0 | 0 | 20,000 | 20,000 | 0 | 0 | 0 |
| Total Requirements | | | | | 100,000 | | | 100,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

| | | |
|---------|--------|-----------------------------|
| Project | SE5082 | Plant Drain Pump Evaluation |
|---------|--------|-----------------------------|

Project Description

To evaluate the feasibility of upgrading an existing 40+ year old drywell pumping station.

Need for Project

In the 1974 plant upgrade an existing influent pump station was converted to a tank drainage pumping station. The pumps are located approximately twenty feet below ground and maintenance staff has to climb down a spiral stair case to work on the pumps. With changes in OSHA regulations and the spiral staircase this area is considered a confined space and it requires a minimum of two persons to perform maintenance tasks. Because of the spiral staircase public safety has also expressed concerns about rescuing someone in the event of an injury.

Estimated Total Project Cost: \$ 20,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|------------------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|--------|---------------|
| Wastewater Capital Projects | | 20,000 | 20,000 | | 20,000 | | | 20,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 20,000 | | | 20,000 |

Requirements

| | | | | | | | | |
|-------------------------------|---|--------|--------|--------|---------------|---|---|---------------|
| Expenditures | | 20,000 | 0 | 20,000 | 20,000 | | | 20,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 0 | 0 | 20,000 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 20,000 | | | 20,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

| | | |
|---------|---------|----------------------------------|
| Project | SE 6012 | Western Avenue Sewer Replacement |
|---------|---------|----------------------------------|

Project Description

This project will replace and upsize old deteriorated concrete sewer pipe in Western Avenue from 'G' Street to the Water Restoration plant. Approximately 4,700 lineal feet of 18" diameter sewer pipe will be installed.

Need for Project

The existing concrete pipe is severely deteriorated and is structurally failing. This pipeline serves the area west of Western Avenue from Upper River Road to the Rogue River. Increasing flows in the future are expected in the area due to growth. This pipeline also receives flow from the Bridge Street Pump Station. Currently the pipeline experiences surcharging during peak rainfall events. This project was ranked as the second priority for hydraulic capacity improvements in the 2004 Collection System Master Plan.

Estimated Total Project Cost: \$1,800,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|-----------|------------------|
| Wastewater Capital Projects | | | | | 0 | | 1,665,000 | 1,665,000 |
| Wastewater SDC 86% | | | | 85,000 | 85,000 | 50,000 | | 135,000 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 85,000 | | | 1,800,000 |

Requirements

| | | | | | | | | |
|---------------------------|---|---|---|--------|---------------|--------|-----------|------------------|
| Expenditures | | | | 85,000 | 85,000 | 50,000 | 1,665,000 | 1,800,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 85,000 | | | 1,800,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

| | | |
|---------|--------|--|
| Project | SE6050 | 'L' Street Sewer and Water Mains Replacement |
|---------|--------|--|

Project Description

This project will replace approximately 800 linear feet of sewer main and 380 linear feet of water main.

Need for Project

The existing sewer main is severely deteriorated and failure has begun to occur. Concurrent with the sewer main replacement, the existing 2" water main will be replaced with a new 8" line.

Estimated Total Project Cost: \$260,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-------------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|--------|---------------|
| Wastewater Capital Projects | | | 15,000 | | 15,000 | 150,000 | 5,000 | 170,000 |
| Water Capital Projects | | | | | 0 | | 50,000 | 50,000 |
| Transportation Street Utility | | | | | 0 | | 40,000 | 40,000 |
| Total Resources | | | | | 15,000 | | | 260,000 |

Requirements

| | | | | | | | | |
|---------------------------|---|---|--------|---|--------|---------|--------|---------|
| Expenditures | | | 15,000 | | 15,000 | 150,000 | 95,000 | 260,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 15,000 | | | 260,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

| | | |
|---------|--------|---|
| Project | SE6055 | 5th Street Sewer Main Replacement RR Tracks to 'C' Street |
|---------|--------|---|

Project Description

This project will replace approximately 1300 linear feet of severely deteriorated sewer line on 5th Street from the north side of railroad right of way to 'C' Street. 8" sewer lines will be stubbed out to the alleys from the main line in 5th Street.

Need for Project

A recent TV inspection of the sewer main in 5th Street revealed severely deteriorated pipe (multiple cracks, holes and missing pipe).

Estimated Total Project Cost: \$280,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|----------------|-----------------|--------|----------------|
| Wastewater Capital Projects | | | 25,000 | 220,000 | 245,000 | | 45,000 | 290,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 245,000 | | | 290,000 |

Requirements

| | | | | | | | | |
|---------------------------|---|---|--------|---------|----------------|---|--------|----------------|
| Expenditures | | | 25,000 | 220,000 | 245,000 | | 45,000 | 290,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 245,000 | | | 290,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

| | | |
|---------|--------|---|
| Project | SE6064 | Sewer Main Structural Repairs (Multiple Phases) |
|---------|--------|---|

Project Description

This project will replace very old structurally deficient sewer pipe in 5th Street, the alleys fronting 5th Street between 'M' and 'A' Streets and the alleys fronting Pine Street between Bridge and 'G' Streets. The alleys identified for repair will be ranked as to severity and the project completed in multiple phases.

Need for Project

The majority of the sewer lines in the alleys are very old 6" pipe, have structural defects (cracks, holes and broken pipe) and extensive root encroachment which requires frequent and difficult cleaning and maintenance. This project combines the top two ranked priorities for structural repair in the 2004 Collection System Master Plan.

Estimated Total Project Cost: \$3,700,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|-----------|---------------|
| Wastewater Capital Projects | | | | | 0 | 300,000 | 3,400,000 | 3,700,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 0 | | | 3,700,000 |

Requirements

| | | | | | | | | |
|---------------------------|---|---|---|---|---|---------|-----------|-----------|
| Expenditures | | | | | 0 | 300,000 | 3,400,000 | 3,700,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 0 | | | 3,700,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

| | | |
|---------|--------|----------------------|
| Project | SE6065 | WRP Roof Replacement |
|---------|--------|----------------------|

Project Description

This will complete roof repairs on the treatment plant main building, oil storage building and plant drain pumping station.

Need for Project

The Water Restoration Plant’s main building needs new roofing material and repair of the fascia boards. Additionally the flat roofs on the two out buildings, which have wood rot, need to be replaced. We will convert the flat roofs to a slope roof with metal covers similar to other out buildings we have on site.

Estimated Total Project Cost: \$200,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|--------|---------------|
| Wastewater Capital Projects | | | 50,000 | 150,000 | 200,000 | | | 200,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 200,000 | | | 200,000 |

Requirements

| | | | | | | | | |
|---------------------------|---|---|--------|---------|---------|---|---|---------|
| Expenditures | | | 50,000 | 150,000 | 200,000 | | | 200,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 200,000 | | | 200,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

| | | |
|---------|--------|-----------------------------------|
| Project | SE6066 | Methane Gas Generation Evaluation |
|---------|--------|-----------------------------------|

Project Description

This project will evaluate the potential and feasibility of methane gas reuse at the WRP.

Need for Project

Methane gas is a byproduct of wastewater treatment. If the methane gas can be reused on-site in cost effective manner, the WRP and community at large will benefit.

The potential for a grant will be pursued to fund the evaluation.

Estimated Total Project Cost: \$250,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|---------|----------------|
| Wastewater Capital Projects | | | | | 0 | 15,000 | 35,000 | 50,000 |
| | | | | | 0 | | | 0 |
| Grant | | | | | 0 | | 200,000 | 200,000 |
| Total Resources | | | | | 0 | | | 250,000 |

Requirements

| | | | | | | | | |
|---------------------------|---|---|---|---|----------|--------|---------|----------------|
| Expenditures | | | | | 0 | 15,000 | 235,000 | 250,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 0 | | | 250,000 |

Adopted FY'10 will NOT add into TOTALS

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Capital Improvements – Wastewater Projects

| | | |
|---------|--------|------------------------------|
| Project | SE6067 | Sewer Siphon Line Inspection |
|---------|--------|------------------------------|

Project Description

This project will utilize sonar and laser technology to inspect the existing 30 inch sewer siphon which crosses the Rogue River at the wastewater treatment plant. The inspection shall require the services of a specialized sewer inspection contractor.

Need for Project

The sewer siphon line was installed in 1962 and has never been TV inspected by city crews due to the limitations of standard TV camera equipment. The inspection will provide information concerning both the pipe's structural condition and the amount of debris accumulation present.

Estimated Total Project Cost: \$30,000

Resources

| | Actual Through FY'09 | FY'10 Adopted | FY'10 Revised | FY'11 Recommend | Through FY'11 | FY'12 Projected | Future | Total Project |
|-----------------------------|----------------------|---------------|---------------|-----------------|---------------|-----------------|--------|---------------|
| Wastewater Capital Projects | | | | 30,000 | 30,000 | | | 30,000 |
| | | | | | 0 | | | 0 |
| | | | | | 0 | | | 0 |
| Total Resources | | | | | 30,000 | | | 30,000 |

Requirements

| | | | | | | | | |
|---------------------------|---|---|---|--------|--------|---|---|--------|
| Expenditures | | | | 30,000 | 30,000 | | | 30,000 |
| Transfers/Contingency | | | | | 0 | | | 0 |
| Ending Balance by Year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Requirements | | | | | 30,000 | | | 30,000 |

Adopted FY'10 will NOT add into TOTALS