TO: James L. App, City Manager

FROM: Doug Monn, Public Works Director

SUBJECT: Wastewater Facility Charges

DATE: November 1, 2011

NEEDS: For the City Council to consider adoption of wastewater facility charges (i.e., sewer connection fees).

FACTS:

1. Wastewater facility charges are imposed on new development to pay for public wastewater facilities that enable and/or serve development.

2. Primary facility charge cost drivers include a share of the existing system's depreciated value, upgrade of the wastewater treatment plant, and other capital projects required for buildout.

    - The existing system is oversized for growth. Its estimated value is $147 million, adjusted for depreciation. Facility charges reflect a reimbursement to existing wastewater system users for their investment in an oversized wastewater system.

    - An upgrade of the City's wastewater treatment plant is necessary to replace obsolete technology, improve the quality of treated wastewater discharges into the Salinas River, serve both users and growth, and comply with increasingly stringent State and Federal discharge regulations. The project is estimated to cost $49.6 million.

    - Additional projects totaling $32 million over the next 16 years are needed to provide reliable capacity for growth.

3. The City Council retained the services of Kennedy/Jenks Consultants and TJ Cross Engineers to perform a wastewater needs assessment, as well as user rate and facility charge studies. The findings of both studies were presented to City Council on September 6, 2011.

4. City Council authorized the process of notifying ratepayers of proposed user rate increases per California Constitution Articles XIIIC and XIIID (Proposition 218). That process began September 21, 2011. A hearing on the proposed user rates is set for November 15, 2011.

5. Revenue generated by the existing wastewater facility charges is inadequate to cover the costs of new development's share of existing oversized and future facilities.

6. In July 2011, the Central Coast Regional Water Quality Control Board (Water Board) issued a Time Schedule Order that requires the City to adopt increased wastewater facility charges by November 1, 2011. Failure to meet this deadline may subject the City to fines.

7. City Council considered increased wastewater facility charges on October 4 and 18, 2011. City Council directed staff to schedule another public hearing for November 1, 2011.

8. If the proposed facility charges are reduced, the City may have to adjust user rates.

9. Notification of tonight's public hearing was made in accordance with Government Code Section 66016.

ANALYSIS & CONCLUSION: The following tables list the proposed wastewater facility charges as stated in the "Wastewater Facility Charge Final Report" dated September 2011, prepared by Kennedy/Jenks Consultants (**Attachment 1**). Details regarding the calculation of the proposed wastewater facility charges are discussed in the report.

Proposed Wastewater Facility Charges

Residential Charges – Per Unit	Equivalent Dwelling Units (EDUs)	Charges effective Jan 1, 2012	Charges effective Jan 1, 2013	Charges effective Jan 1, 2014
Single Family Dwellings, including Condominiums	1	$7,300	$9,100	$10,900
Multi-Family Dwellings	0.9	$6,570	$8,190	$9,800

Non-Residential Charges – Per water meter size	Water Meter size (inches)	EDUs	Charges effective Jan 1, 2012	Charges effective Jan 1, 2013	Charges effective Jan 1, 2014
Non-Residential Accounts – All Types	5/8 & 3/4	1.00	$7,300	$9,100	$10,900
	1	1.67	$12,200	$15,200	$18,200
	1 ½	3.33	$24,300	$30,300	$36,300
	2	5.33	$38,900	$48,500	$58,100
	3	10.00	$73,000	$91,000	$109,000

EDU = equivalent dwelling unit. Non-Residential facility charges to be based on meter size up to 3-inch water meters. Charges for meters larger than 3-inch will be based on estimated wastewater generation expressed in terms of EDUs and in no case shall be less than that associated with a 3-inch water meter. See attached Resolution for additional conditions.

Attachment 2 is a resolution to implement these facility charges.

Alternatively, the City Council may phase in the facility charge increases over a five-year period instead of three to reduce short-term impact on new development. If so,

the schedule of facility charges contained in Exhibit A of the attached resolution would be replaced with the following:

Proposed Wastewater Facility Charge Increases Phased-In Over 5 Years

Residential Charges – Per Unit	EDUs	Effective Jan 1, 2012	Effective Jan 1, 2013	Effective Jan 1, 2014	Effective Jan 1, 2015	Effective Jan 1, 2016
Single Family Dwellings, including Condominiums	1	$6,500	$7,600	$8,700	$9,800	$10,900
Multi-Family Dwellings	0.9	$5,900	$6,900	$7,800	$8,800	$9,800

Non-Residential Charges – Per water meter size	Water Meter size (inches)	EDUs	Effective Jan 1, 2012	Effective Jan 1, 2013	Effective Jan 1, 2014	Effective Jan 1, 2015	Effective Jan 1, 2016
Non-Residential Accounts – All Types	5/8 & 3/4	1.00	$6,500	$7,600	$8,700	$9,800	$10,900
	1	1.67	$10,900	$12,700	$14,600	$16,400	$18,200
	1 ½	3.33	$21,800	$25,400	$29,000	$32,700	$36,300
	2	5.33	$34,900	$40,700	$46,500	$52,300	$58,100
	3	10.00	$65,400	$76,300	$87,200	$98,100	$109,000

City Council requested Roger Null of Kennedy/Jenks be available to discuss alternative approaches to calculating wastewater facility charges. To facilitate this discussion, Kennedy/Jenks prepared a memo explaining the various approaches to calculating facility charges. Please see **Attachment 3** for this memo. Roger Null of Kennedy/Jenks will be present on November 1 to answer any City Council questions.

Charges for Developments that Utilize Pressurized Toilet Flush Valves – Pressurized toilet flush (flushometer) valves require a larger water supply line than conventional gravity tank flush toilets to maintain adequate water pressure and flow. This may lead a developer to install a larger water meter than if the developer had used conventional toilets. However, the actual wastewater volume generated by a pressurized toilet flush valve is the same as a conventional toilet. In such cases, wastewater facility charges will be based on the water meter size that would normally be required if that developer had installed conventional toilets. In order to qualify for the lower wastewater facility charge, the developer must demonstrate, through calculations based on the California Plumbing Code, what the smaller water meter size would be. This has been clarified in the attached resolution.

POLICY REFERENCE: General Plan, Economic Strategy; Integrated Water Resource Plan; 2009 Water Facility Charge Study; NPDES Permit requirements, Water Board Time Schedule Order; City Council Policy – requiring development impacts to be fiscally neutral, California Constitution Articles XIIIC and XIIID (Proposition 218).

FISCAL IMPACT: At buildout, new development will have paid its share of wastewater system infrastructure costs, or approximately $86.5 million.

OPTIONS:

a. Approve Resolution No. 11-XX establishing Wastewater Facility Charges.

b. Approve Resolution No. 11-XX establishing Wastewater Facility Charges, but with a modification to phase in the increases over five years instead of three.

c. Amend, modify, or reject the above option.

ATTACHMENTS:

1. "Wastewater Facility Charge Final Report" dated September 2011, prepared by Kennedy/Jenks Consultants
2. Resolution No. 11-XX
3. Memo by Kennedy/Jenks dated October 24, 2011

Wastewater Facility Charge Study

Final Report

City of Paso Robles, CA

September 21, 2011

Kennedy/Jenks Consultants

Engineers & Scientists

Kennedy/Jenks Consultants

2355 Main Street, Suite 140
Irvine, California 92614
949-261-1577
FAX: 949-261-2134

City of Paso Robles

Wastewater Facility Charge Study Final Report

21 September 2011

Prepared for

City of Paso Robles
1000 Spring Street
Paso Robles, CA 93446

K/J Project No. 0983010*10

Kennedy/Jenks Consultants
Engineers & Scientists
2355 Main Street, Suite 140
Irvine, California 92614
949-261-1577
FAX: 949-261-2134

21 September 2011

Mr. Doug Monn
Director of Public Works
City of Paso Robles
1000 Spring Street
Paso Robles, California 93446

Subject: Final Report - Wastewater Facility Charge Study
K/J 0983010*10

Dear Mr. Monn:

Kennedy/Jenks Consultants is pleased to submit the Final Wastewater Facility Charge Study to the City of Paso Robles (City). By way of process, we have submitted this report as a digital ".pdf" file for your distribution within the City as appropriate.

This Facility Charge Study is a compilation of the analysis and findings of the City's wastewater system and the development and documentation of growth's fair share of system costs. The results of this evaluation are intended to provide the City with the nexus of cost and benefit in accordance with current requirements.

One important element of system cost is associated with funding the City's $49 Million wastewater treatment plant upgrade. It is expected that the State Revolving Fund (SRF) Loan Program will be used to fund this project as it provides very favorable financing terms. However, since these funds are uncertain, an alternate, more conservative financial position is also examined herein. Summary tabular data associated with this financing mechanism is provided in the Table Section of this report.

It has been a pleasure working with you and City staff on this interesting project and we look forward to working with the City on future assignments. Please contact us if you have any questions or need additional information.

Very truly yours,

KENNEDY/JENKS CONSULTANTS

Roger Null, V.P.
Project Manager

Table of Contents

Table of Contents (cont'd)

List of Tables

List of Appendices

Section 1: Background

1.1 Background

The City of Paso Robles (City) levies a Wastewater Facility Charge (currently named Sewer Connection Fee) to recover the costs of new development's impact on the wastewater system. The purpose of this charge is to assure that future customers pay their fair share of system costs, both to recoup costs invested in the existing system and to finance future facilities needed to support growth. As such, a Facility Charge equitably distributes facility costs to future users based on their demands on the wastewater system. The assets that are used to collect, pump, and treat the City's wastewater are the basis for the costs of capacity in the wastewater system.

In recognition of the need to remain current and integrate the findings of the City's *Sewer Collection System Master Plan* dated January 2007 and proposed wastewater treatment plant upgrade, the City desires to update its Wastewater Facility Charges. This report is intended to update the current cost of wastewater system capacity, reflect these costs in the development of optional updated facility charges, and document these charges in conformance with the requirements of California Government Code Section 66000 et seq. Connection fees now in effect are based on the "Final Letter Report – Updated Water and Sewer Connection Fees" dated "May 24. 2004" prepared by "Foresight Consulting Services".

1.2 Regulatory Requirements

The regulations that govern "capacity charges" such as the Wastewater Facility Charge discussed herein generally fall into two areas: compliance with State government codes and adherence to City ordinances.

1.2.1 State Government Codes

California Government Code Sections 66013, 66016, 66022 and 66023 are the primary government code sections applicable to the development and recovery of "capacity charges". The focus of these sections is summarized below:

- The City must establish that the "capacity charge," in this case, the Capital Facility Charge does not exceed the estimated reasonable cost of capacity in facilities in existence or to be constructed for the benefit of the customer charged.

- The Capital Facility Charge revenues must be segregated from operating and maintenance funds and deposited in a separate fund.

- The City may only expend the revenues for the purpose for which the charges were collected.

In summary, these sections of Government Code suggest that the basis for facility charges be consistent with new development's impact on the cost of capacity in the City's wastewater system. It should be noted however, that the documentation and supporting nexus for deriving

the level of fair and equitable charges is not limited to a single criteria, acknowledging the fact that individual agencies may have unique circumstances that would result in charges that are fair and reasonable. Since the courts have approved assorted charge structures and methods over the years, there is a wide variation in the approach and method behind the development of these charges throughout California.

1.2.2 City Administrative Code

The legal authority applicable to current facility charges (connection fees) is contained in Ordinance 04-163, 04-231, and 05-025. The current charges are based upon a comparison of existing and build-out acreage with an "Equivalent Dwelling Unit (EDU)" factor applied to calculate incremental EDU's and a corresponding dollar value per EDU.

1.3 Current Connection Fees

In accordance with existing City ordinances, sewer connection fees effective July 1, 2009, are:

Type of Development	Sewer Connection Fee
Single Family Residence	$5,467
Multi-Family Residence	$4,961
Mobile Home Park	$5,467
Mobile Home Subdivision Lot	$5,467
Commercial/Industrial	$5,467
Hosp/Convalescent	$5,467 + $252 per room
Motel/Hotel	$5,467 + $102 per room
School	$7,723 + $102 per classroom

Section 2: Calculation Method

To calculate facility charges requires the selection of an appropriate calculation method and valuation approach. These are discussed below.

2.1 General Approach

There are two primary methods commonly used to develop facility charges:

- Incremental approach or,
- System capacity buy-in approach

While there are hybrids to these basic methods, these two methods represent the principal approaches and are discussed herein. The recommended approach is also provided at the conclusion of this section.

2.1.1 Incremental Approach

The incremental approach is based on quantifying the future costs of additional capacity and unitizing these costs by the incremental quantity of additional demand served by this capacity. The capital improvement program, derived from the City's *Sewer Collection System Master Plan* dated January 2007, provides the basis for costs and wastewater demand projections utilized in this approach.

2.1.2 Capacity Buy-In Approach

Similar to the incremental approach, the capacity buy-in approach is based on the cost of future wastewater system capacity, and unitizing these costs by the demand served by this capacity. However, the capacity buy-in approach includes the value of the existing system assets in the basis of costs. In doing so, the quantity of demand served by the value of the existing system plus the future costs of proposed capital improvements is represented by the total projected ultimate demand in the City's wastewater system.

2.1.3 Recommended Approach

The capacity buy-in approach was selected as the basis for developing the City's proposed updated Wastewater Facility Charges because it:

- It is consistent with other City policies and coincides with the City's adopted Water Capacity Charge methodology,
- Is easily understood,
- Provides a nexus between the cost of capacity and the proposed updated Wastewater Facility Charges, and
- Complies with current Government Code.

This approach was discussed with City staff and confirmed to be the appropriate method.

To utilize this approach, the value of the existing system must be derived, the costs of future system improvements included, and current and future flows estimated. These elements are addressed in the following sections.

2.2 Valuation Method

As previously discussed, there is substantial variation throughout California regarding the calculation of utility system value. It is common for an agency to develop a replacement cost for each asset based on current construction costs, as opposed to using the original value of booked assets from financial records. Thus, a Replacement Cost New (RCN) value of each asset is used as a primary element of the basis for deriving valuation.

In some cases, RCN values have been adjusted to account for how an asset was acquired by deducting the estimated value of contributed assets. Other agencies have accounted for asset wear-and-tear by deducting the level of accumulated depreciation. These and other methods produce "reasonable", and often similar, valuation results.

The City, like most other agencies in California, has established that a full RCN valuation does not produce reasonable results. Since the City's Geographic Information System (GIS) is the recognized record of wastewater utility asset information, this system is deemed to be the most accurate record of the age and extent of wastewater assets. It was used in the discounting method, providing a basis for the depreciation calculation to represent asset wear-and-tear. Accordingly, a Replacement Cost New Less Depreciation (RCNLD) method is utilized herein and is derived by incorporating the asset specific age and projected useful life with the replacement cost values. Cash and cash equivalents, which is also an enterprise asset, are also often included in the valuation. These assets have been omitted in this baseline utility valuation assessment.

An example of how the RCNLD method is calculated is: say an asset was installed 10 years ago for a cost of $100,000. The replacement cost new (that is the cost to install that same asset today would be greater, as inflation) has increased its cost. Today, for example, the cost to install that same asset may be $130,000. If however, the life expectancy of this type of an asset were say 50 years, then this asset has already reached 20% of its useful life (10 years/50years), or 80% of its life is remaining. In this example, the RCNLD value is $104,000 ($130,000 x 80%).

Section 3: Wastewater System Capacity Costs

A review of capital facilities was performed to develop and/or identify the costs of facilities used by future wastewater customers. Under the capacity buy-in approach, the cost of future capacity in the City's wastewater system is based on two primary components:

- the value of existing facilities, and
- the costs associated with needed improvements to expand or improve the system to meet build out conditions.

Each of these two cost elements is subdivided herein into three asset types:

1. collection system pipelines,
2. sewage lift stations, and
3. wastewater treatment plant facilities.

These elements are discussed in the following subsections.

3.1 Existing System Valuation

As discussed, the City's existing wastewater system is designed to collect and convey wastewater to the City-owned wastewater treatment plant on the north end of the City limits. Collection and conveyance is performed with a network of over 136 miles of gravity pipelines and supported by fourteen sewer lift stations. These facilities lift sewage to a higher elevation in the primary collection system trunk lines for conveyance to the wastewater treatment plant.

Information related to the size, age, material, and other specific information for each pipeline segment and lift station is maintained by the City through a GIS. This information as of August 2009 was the primary basis for the wastewater system asset inventory utilized in this study.

A summary of wastewater collection system pipeline inventory is provided in **Table 1**. As shown, over 57% of the City's collection system is 8-inches in diameter, with 90% represented by 12-inch diameter or smaller pipelines. Similarly, two-thirds of these pipelines are made of polyvinyl chloride (PVC), a widely used plastic piping material, and almost one-third is made with vitrified clay pipe (VCP), which has been in use for wastewater collection in the United States for over 150 years.

Valuation of each pipeline segment is based on its length, diameter, material, and age. This information, correlated to widely acceptable useful life criteria per material type and current construction unit costs, provides the basis for the RCNLD of each asset. A summary the City's wastewater pipeline system RCNLD value is shown in **Table 2**. As shown, the RCN value of the buried wastewater pipelines in the City is almost $190 Million; the RCNLD value that incorporates depreciation is approximately $133 Million. Supporting unit costs and useful life values are included in **Appendix A**, along with an asset register of approximately 2,900 wastewater pipeline segments that were used in support of this calculation.

The existing value of the City's wastewater lift stations and existing wastewater treatment plant is derived in a similar manner. The primary difference in valuation is based on differing cost parameters and the fact that some of these assets were constructed with borrowed funds. Since the City still has approximately $7 Million remaining on that loan, this and other asset costs are combined to derive the value of these assets. The resulting value of these facilities is shown in **Tables 3, 4, and 5**. The sum of these asset values is approximately $13.8 Million.

3.2 Future System Improvement Costs

Future wastewater capital improvements have been developed through several important studies, the City's *Sewer Collection System Master Plan* dated January 2007 and the *Wastewater Treatment Plant Upgrade Facility Plan* dated July 2009. These planning and subsequent design efforts have formalized the wastewater system's projected needs for collection, pumping and treatment to support build-out. The Master Plan's comprehensive capital improvement program (CIP) is shown in **Table 6**. As shown, the collection and pumping element of the CIP is estimated to cost approximately $32 Million.

To meet regulatory requirements and long-term growth needs, the City must upgrade its wastewater treatment plant. The current engineer's cost estimate for this facility is

approximately $49.6 Million in January 2014 dollars. Two options to fund the construction of the plant are under consideration.

- The preferred financing approach is a State Revolving Fund (SRF) loan. This very low interest loan is designed to help communities with just such a need. As shown in **Table 7**, the total cost of the new wastewater plant including interest is approximately $66,600,000. As indicated, since Templeton Communities Services District (TCSD) has a 9% entitled capacity share, their share of the upgraded plant has been deducted from the City's system value. A summary of value of the City's wastewater utility for SRF financing is shown in **Table 8**.

- It should be noted however, that there is no guarantee that a low-interest State loan will be available. To provide a financial safety net, a financial scenario was developed that presumes SRF funding will not be available. Under this condition, conventional borrowing will be required to upgrade the wastewater treatment plant at higher interest rates, increased annual debt service payments, and an accelerated need for increased revenues to meet those costs. Tabulation of Facility Charges based on conventional financing is listed in a later section of this report.

Further, note that identified future system components are primarily trunk lines and other facilities that serve the broader community. Individual developments may still be required to construct system components that primarily serve that development. Such conditions of approval are developer-financed and are in addition to the community-wide contributions reflected in utility connection fees.

Last, the City's "Water Resources Plan Integration and Capital Improvement Program" dated February 2007 and the "2010 Urban Water Management Plan" identify recycled water as future components of the City's water resource portfolio. Costs of additional wastewater treatment and recycled water distribution are omitted from this calculation of wastewater facility charges. The financial structure for recycled water will be put into place as plans advance for bringing this water resource on-line.

Section 4: Projected Wastewater Discharge

As previously discussed, the selected capacity buy-in approach typically uses ultimate discharge for the calculation of the unit cost of capacity. For example, a system component with an estimated asset value of $5 Million could provide capacity to serve 15,000 equivalent dwelling units. So, the unit cost is $333 per equivalent dwelling unit. If 10,000 dwellings exist, then each of the 5,000 additional units would pay $333 each as part of this asset buy-in.

Accordingly, the quantity of new wastewater demands is an important consideration in the development of the City's updated Capital Facility Charges.

The current wastewater discharges are based on metered readings of wastewater discharged to the City's wastewater treatment plant. The existing discharges and build-out discharges as stated in the "*City of Paso Robles Wastewater Treatment Plant Facility Plan*" dated July 2009 are referenced herein. Flow estimates have been unitized per single family residential dwelling unit (**Table 9**).

The wastewater flow per equivalent dwelling unit (EDU) is calculated based on several key values derived in the City's 2009 Facility Plan. The first component is the flow per person. This value is based on the City's existing flow of 2.81 MGD (2,810,000 gallons per day), 80% of which is residential contribution, and an existing population of 30,072 people[1]. The second component is the average number of persons residing in a single family dwelling unit. The City Community Development Department estimates a population per household of 2.7 persons[2]. Based on these values, the demand associated with one dwelling unit (DU) is calculated as follows:

2.81 MGD/30,072 people x 80% = 74 gallons/person x 2.7 pph = **200 gallons/DU = 1 EDU**

At this equivalent flow rate, an estimated 14,040 EDUs comprise the City's current customer base, projected to increase to 21,985 EDUs at build-out (**Table 9**).

Section 5: Proposed Wastewater Facility Charges

The updated Wastewater Facility Charge is calculated by correlating the costs to serve future growth with the projected ultimate demands on the wastewater system. As such, the wastewater system value (**Table 8**) is divided by the projected ultimate discharge (**Table 9**) to derive a base unit cost of capacity. The result of this unit calculation for SRF financing is shown in **Table 10**. As shown, the unit cost of new capacity for the City's wastewater system is $54,500 per 1,000 gallons/day, or $10,900 per EDU.

Consistent with the City's current Sewer Connection Fee, a multifamily residential (MFR) unit's wastewater discharge is approximately 90% of a typical SFR unit. A 0.9 EDU has a resulting charge of $9,800 per dwelling unit.

As previously described, 1 EDU is equivalent to the average wastewater discharged from a single family residential (SFR) account. Proposed charges for other customer classes are derived in a similar manner. The results of this assessment for SRF financing are also provided in **Table 10**.

The existing fee structure adopted by Council in 2004 for non-residential customers is a "base plus incremental fee approach". The proposed non-residential charges in **Table 10** are based primarily on water meter size. The proposed Wastewater Facility Charges increase with the size of the water meter to recover the additional costs that larger water users/dischargers have on system capacity. The capacity ratio factors used herein are based the ratios provided in *AWWA Manual M6: Water Meters – Selection, Installation, Testing and Maintenance.*

The water meter capacity ratio method provides an equitable means of estimating wastewater discharge, is simple for the City to administer, and is consistent with many other California communities. A comparison of wastewater capacity charges for other similar communities is provided in **Appendix A**.

[1] U.S. Census Bureau and State Dept of Finance, 2010 data
[2] City of Paso Robles demographic statistics dated April 2011.

Note that the nexus between water meter size and probable impact on the City's wastewater system is clear for most non-residential sewer customers. Relatively large dischargers (larger than 3-inch water meter) may need further evaluation[3]. As such, facility charges for Non-Residential accounts requiring larger than 3-inch water meters will be based on plumbing fixture requirements of the most current edition of the California Plumbing Code and the wastewater generation factors in the most current edition of Metcalf & Eddy's *"Wastewater Engineering"*. The facility charge will be based on the resulting estimate of wastewater generation, expressed in terms of equivalent dwelling units (EDUs) times the charge per EDU in effect at that time. However, in no case shall the facility charge be less than that associated with a 3-inch water meter. Currently, 200 gallons of wastewater generation per day equates to one equivalent dwelling.

Consistent with other utility rates and charges, the proposed charges are phased in over the next several years. Proceeding in this methodical way will enable proposed new development to better plan for future project costs of wastewater system capacity. Low interest SRF financing would support phasing in Facility Charges as is shown in **Table 11.**

As for the cost of the upgraded treatment plant with conventional financing, **Table 12** lists the estimated costs under that financing option along with the associated alternative facility charges, **Tables 13 and 14**. Selection of wastewater facility charges and wastewater rates will be considered by City Council in the coming months.

It is recommended that the City adopt increased Wastewater Facility Charges so that growth costs are adequately recovered from future wastewater system customers. As system values and discharge characteristics change, these charges must be updated from time to time to reflect then current conditions and projected values.

* * *

[3] There are currently fewer than 40 non-residential sewer customers served by 3-inch or larger water meters.

Tables

Table 1

Collection System Asset Inventory - Pipeline Diameter and Material Summary

Pipeline	Linear Feet of Collection System Pipelines															
Material	**4"**	**6"**	**8"**	**10"**	**12"**	**14"**	**15"**	**18"**	**20"**	**21"**	**24"**	**27"**	**30"**	**36"**	**Total**	**% of Total**
PVC	6,121	59,515	317,523	35,832	20,270	195	2,442	9,063	0	5,762	0	11,717	6,410	1,521	476,370	66%
VCP	2,492	83,242	93,345	10,300	21,024	0	0	4,128	0	0	4,427	701	2,671	0	222,329	31%
Other	0	3,100	854	5,993	1,704	0	0	9,018	2,401	0	0	0	0	0	23,070	3%
% of Total	1.2%	20.2%	57.0%	7.2%	6.0%	0.0%	0.3%	3.1%	0.3%	0.8%	0.6%	1.7%	1.3%	0.2%	100.0%	-
Total	**8,613**	**145,856**	**411,722**	**52,125**	**42,998**	**195**	**2,442**	**22,208**	**2,401**	**5,762**	**4,427**	**12,418**	**9,081**	**1,521**	**721,769**	**100%**

Source: City of Paso Robles GIS data, 8/2009.

Table 2
Collection System Asset Inventory - Age and Valuation Summary

Description	Feet of Pipe	Miles of Pipe	Percentage of All Pipeline Assets	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	Replacement Cost New Less Depreciation (a)
12" or Smaller							
Constructed Prior to 1950	28,161	5.3	3.9%	$6,518,600	$65,200	$5,636,100	$882,500
1951 - 1980	214,805	40.7	29.8%	$51,209,000	$576,600	$24,228,300	$26,980,700
1981 - Present	418,348	79.2	58.0%	$101,813,300	$1,333,900	$20,367,800	$81,445,400
12" or Smaller Subtotal	**661,314**	**125**	**91.6%**	**$159,540,900**	**$1,975,700**	**$50,232,200**	**$109,308,600**
Greater than 12"							
Constructed Prior to 1950	188	0.0	0.0%	$77,200	$800	$52,500	$24,700
1951 - 1980	11,573	2.2	1.6%	$5,313,600	$59,200	$2,608,500	$2,705,000
1981 - Present	48,694	9.2	6.7%	$24,686,200	$308,900	$3,634,900	$21,051,400
Greater than 12" Subtotal	**60,455**	**11**	**8.4%**	**$30,077,000**	**$368,900**	**$6,295,900**	**$23,781,100**
Total	**721,769**	**137**	**100%**	**$189,617,900**	**$2,344,600**	**$56,528,100**	**$133,089,700**

Source: City of Paso Robles GIS data, 8/2009.

(a) Replacement Cost New Less Depreciation (RCNLD) represents current collection system value.
Note: Estimated annual pipeline RCN pipeline depreciation is approximately $ 2.5 Million per year.

Table 3
Pumping System Facility Valuation Summary

Lift Station ID		Capacity (d) (gpm)	Replacement Cost New Method										
			Replacement Cost New (RCN) (e)			Age (f)		Accumulated Depreciation			RCNLD		
			Equipment	Structure	Total	Equip.	Struc.	Equipment	Structure	Total	Equipment	Structure	Total
LS 01	(a)(c)	6625			(g)								(g)
LS 02	(a)(c)	1185			(g)								(g)
LS 03	(c)	100	$35,600	$205,000	$240,600	1	3	$6,200	$12,300	$18,500	$29,400	$192,700	$222,100
LS 04		300	$25,000	$232,000	$257,000	0	2	$0	$9,300	$9,300	$25,000	$222,700	$247,700
LS 05		195	$20,000	$221,000	$241,000	32	34	$20,000	$150,300	$170,300	$0	$70,700	$70,700
LS 06		180	$16,000	$222,000	$238,000	29	31	$16,000	$137,600	$153,600	$0	$84,400	$84,400
LS 07		140	$10,000	$222,000	$232,000	5	7	$2,500	$31,100	$33,600	$7,500	$190,900	$198,400
LS 08		230	$23,000	$223,000	$246,000	1	3	$1,200	$13,400	$14,600	$21,800	$209,600	$231,400
LS 09	(h)												
LS 10	(a)	4050	$247,100	$643,500	$890,600	17	51	$210,000	$642,700	$852,700	$37,100	$800	$37,900
LS 11		185	$24,400	$215,000	$239,400	1	3	$1,200	$12,900	$14,100	$23,200	$202,100	$225,300
LS 12	(b)	485	$32,000	$262,500	$294,500	18	20	$28,800	$104,700	$133,500	$3,200	$157,800	$161,000
LS 13		125	$11,000	$220,000	$231,000	5	7	$2,800	$30,800	$33,600	$8,200	$189,200	$197,400
LS 14		105	$16,000	$210,000	$226,000	6	8	$4,800	$33,600	$38,400	$11,200	$176,400	$187,600
LS 15		140	$10,000	$224,000	$234,000	4	6	$2,000	$26,900	$28,900	$8,000	$197,100	$205,100
Totals			$470,100	$3,100,000	$3,570,100			$295,500	$1,205,600	$1,501,100	$174,600	$1,894,400	$2,069,000

Source: City of Paso Robles GIS/Asset data, 8/2009.

Note: Depreciation assumes 20 yr life for equipment and 50 yr life for structures

(a) Includes $40,000 for building structure

(b) Includes $7,500 for structural wall

(c) Includes cost for backup generator per Means 26 32 13.16

(d) Source: City of Paso Robles

(e) Source: Kennedy/Jenks Consultants

(f) Source: City of Paso Robles

(g) Values included in current debt totals

(h) Lift Station No. 9 was eliminated by the construction of a new gravity sewer

Table 4
Wastewater Treatment Plant (WWTP) Valuation - Components to be Retained

Asset Description	Date of Construction	Estimated Original Cost	Replacement Cost New	Age	Accumulated Depreciation Rep. Costs (c)	Replacement Cost New Less Depreciation
Sludge Dewatering System			(a)			(a)
Sludge System Upgrade			(a)			(a)
Chlorine Contact Basin			(a)			(a)
WWTP Solids Handling Facilities			(a)			(a)
Primary Sedimentation Basin No. 1 (b)	1970	$65,500	$424,600	41	$348,200	$76,400
Primary Sedimentation Basin No. 2 (b)	1970	$65,500	$424,600	41	$348,200	$76,400
Digestor Structure (b)	1970	$56,500	$366,200	41	$300,300	$65,900
Totals		**$187,500**	**$1,215,400**		**$996,700**	**$218,700**

(a) Values are included in current debt totals.
(b) Pg 64, City of Paso Robles Property Accounting Ledger Report. February, 1983.
(c) Based on useful life of 50 years.

Table 5
2002 Wastewater System Capital Financing Program

Fiscal Year	Principal	Interest	Totals
FY 11	$205,000	$322,319	$527,319
FY 12	$210,000	$315,554	$525,554
FY 13	$215,000	$308,204	$523,204
FY 14	$225,000	$300,410	$525,410
FY 15	$235,000	$291,973	$526,973
FY 16	$240,000	$282,573	$522,573
FY 17	$250,000	$272,973	$522,973
FY 18	$260,000	$262,723	$522,723
FY 19	$275,000	$251,803	$526,803
FY 20	$285,000	$239,978	$524,978
FY 21	$295,000	$227,438	$522,438
FY 22	$310,000	$214,163	$524,163
FY 23	$330,000	$200,213	$530,213
FY 24	$345,000	$184,538	$529,538
FY 25	$365,000	$168,150	$533,150
FY 26	$380,000	$150,813	$530,813
FY 27	$395,000	$132,763	$527,763
FY 28	$415,000	$114,000	$529,000
FY 29	$435,000	$93,250	$528,250
FY 30	$455,000	$71,500	$526,500
FY 31	$475,000	$48,750	$523,750
FY 32	$500,000	$25,000	$525,000
Totals	$7,100,000	$4,479,081	$11,579,081

Source: City of Paso Robles, Finance. Assets include WWTP solids handling facilities and Lift Stations 1 & 2.

City of el Paso de Robles
Wastewater Rate and Fee Study
Updated 4/1/11 by M. Thompson

Table 6
Wastewater C.I.P Budget

	Project[1]	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	FY 2023-24	FY 2024-25	FY 2025-26	TOTAL PROJECT COST[2]
	Wastewater Collection System Projects:																		
1	Phase I, sewer service expansion to West Airport Area (West Dry Creek Rd and Airport Rd)									$4,050,964									$4,051,000
	Phase II, sewer service expansion to South Airport Area (East Dry Creek Road)											$503,283	$1,570,243	$544,351					$2,617,900
2	Lift station rehabilitation to upgrade obsolete pumps, rails, and motors and to provide longer response time	$110,701	$115,129	$119,734	$124,524	$129,504	$134,685	$140,072	$145,675	$151,502	$157,562	$163,864	$170,419	$177,236	$184,325	$191,698	$199,366	$207,341	$2,623,300
3	LS1 and T11 Lift Station #1 Capacity Expansion												$2,714,363						$2,714,400
4	LS 12 Lift Station #12 Capacity Expansion												$1,648,755						$1,648,800
5	Rehab various sewerlines	$500,000	$500,000	$500,000	$500,000	$500,000	$790,824	$822,457	$855,356	$889,570	$925,153	$962,159	$1,000,645	$1,040,671	$1,082,298	$1,125,590	$1,170,613	$1,217,438	$14,382,800
6	Rehab/replace old manholes	$100,000	$104,000	$108,160	$112,486	$116,986	$121,665	$126,532	$131,593	$136,857	$142,331	$148,024	$153,945	$160,103	$166,507	$173,168	$180,094	$187,298	$2,369,800
8	W1 Riverside Interceptor			$389,376															$389,400
9	W3 - 36th Street Sewer Service Area							$295,033											$295,000
12	W7 - 12th St between Vine and Olive Sewer Upgrade									$66,861									$66,900
13	Re-coating of north/south pipe bridges			$162,240															$162,200
15	Buena Vista - Cuesta College		$30,000																$30,000
	Carryover Projects (LS#12 & West Side Sewer), as of 6-30-2010		$559,766																$559,800
	Collection System Subtotal =	**$710,700**	**$1,308,900**	**$1,279,500**	**$737,000**	**$746,500**	**$1,047,200**	**$1,384,100**	**$1,132,600**	**$5,295,800**	**$1,225,000**	**$1,777,300**	**$7,258,400**	**$1,922,400**	**$1,433,100**	**$1,490,500**	**$1,550,100**	**$1,612,100**	**$31,911,300**
	Wastewater Treatment Plant Improvement Project:																		
17	WWTP upgrade to 4.9 MGD Advanced Secondary Treatment Process 3	$2,200,000	$1,871,755	$2,274,262	$6,822,787	$14,782,705	$14,782,705	$6,822,787											$49,557,000
	Wastewater Treatment Plant Subtotal =	**$2,200,000**	**$1,871,800**	**$2,274,300**	**$6,822,800**	**$14,782,700**	**$14,782,700**	**$6,822,800**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$49,557,000**
	Grand Total Planned Capital Expenditures	**$2,910,700**	**$3,180,700**	**$3,553,800**	**$7,559,800**	**$15,529,200**	**$15,829,900**	**$8,206,900**	**$1,132,600**	**$5,295,800**	**$1,225,000**	**$1,777,300**	**$7,258,400**	**$1,922,400**	**$1,433,100**	**$1,490,500**	**$1,550,100**	**$1,612,100**	**$81,468,300**

[1] Primary source for projects listed is the Collection System Master Plan by Boyle Engineering Corp dated January 2007.
[2] Total Project Costs have both been adjusted to current dollars using ENR 20 Cities Construction Cost Indexes and adjusted for inflation at 4%/year.
[3] Wastewater Treatment Plant Uprade Cost by Black and Veatch, April 2011

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Table 7

WWTP Valuation - New Facility Upgrade Project

Wastewater Treatment Plant (WWTP) Summary Information	
Financing Criteria (a)	
Amount of Issue	$47,757,000
Interest Rate (SRF)	3.4%
Term (Yrs)	20
Total Annual Debt Service (b)	$3,330,000
Proposed Bonded Debt Service	
Debt Service Pmt	$3,330,000
TCSD Share (@ 9%)	$299,700
Net Paso Robles Share	$3,030,300
Estimated Total Project Costs	
Total Costs of New WWTP	$66,600,000
TCSD Share (@ 9%)	$5,994,000
Net Paso Robles Share	$60,606,000

(a) Assumes SRF Financing, minimal issuance costs.
(b) Includes principal and interest.
Note: Values are rounded.

Table 8
Wastewater System Valuation Summary

Description	Replacement Cost New	Accumulated Depreciation	Replacement Cost New Less Depreciation
Existing Facilities/Assets			
Collection System	$189,617,900	$56,528,100	$133,089,700
Pumping System	$3,570,100	$1,501,100	$2,069,000
WWTP Cash-based Assets	$1,215,400	$996,700	$218,700
WWTP Debt-based Assets	$11,579,081		$11,579,081
Subtotal	$205,982,481	$59,025,900	$146,956,481
Future Facilities			
Total City CIP (Less New WWTP)	$31,911,300	na	$31,911,300
WWTP (City Only Costs, Including Debt)	$60,606,000	na	$60,606,000
Subtotal	$92,517,300	na	$92,517,300
Total Wastewater System Value	**$298,499,800**	**-**	**$239,473,800**

Note: Estimated annual pipeline depreciation is approximately $2.5 Million per year.

Table 9
Wastewater System Discharge Summary

Description	Discharge Values
Existing Flows	
Current WWTP Avg. Flow (mgd) (a)	3.0
Templeton CSD Avg. Flow (mgd) (b)	0.192
Existing City Wastewater Flow (mgd)	2.81
Future Flows	
Buildout WWTP Flow (mgd) (c)	4.84
Contractual Templeton CSD Flow (mgd)	0.443
Projected City Wasewater Flow (mgd)	4.397
Growth's Use of Future System	
Percent of Capacity for Growth	**36.1%**
Cost Allocated to Growth	**$86,541,700**
Single Family Discharge (gpd) = 1 EDU	200
Existing PR System Discharge (edus)	14,040
Future System Discharge (edus)	21,985
Net Increase (edu's)	7,945

Note: Estimated annual pipeline depreciation is approximately $ 2.5 Million per year.

(a) Average of 2006 through 2010 WWTP flows.

(b) Templeton CSD's average flow from January 08' to December 10'.
July 2009. Includes contribution from a 1,500 person California Youth Authority facility.

(c) Table 3-15 of "City of Paso Robles Wastewater Treatment Plant Upgrade Facility Plan",
July 2009. Includes contribution from a 1,500 person California Youth Authority facility.

Table 10
Proposed Wastewater Facility Charges

Description			Proposed Facility Charges
Proposed Facility Charges		**Discharge Values**	
Total System Value		$239,473,800	
Total Discharge - 1,000 gpd		4,397	
Total Discharge - EDU's		21,985	
System Capacity Cost ($/1,000 gpd)		**$54,500**	
System Capacity Cost ($/edu)		**$10,900**	
Residential Charges - Per Unit	**gpd/DU (b)**	**EDUs**	**Proposed Charges**
Single Family Dwelling	200	1	$10,900
Multi Family Dwelling	180	0.90	$9,800
Non-Residential Charges - Per Meter Size	**Meter Size**	**EDUs ***	**Proposed Charges**
Non-Residential Account - All Types	5/8 & 3/4	1.00	$10,900
	1	1.67	$18,200
	1.5	3.33	$36,300
	2	5.33	$58,100
	3	10.00	$109,000

* Where the EDU ratio/meter size is equal to Water Meter Capacity Ratio; Charges for meters greater than 3-Inch will be based on plumbing fixture requirements of the most recent edition of the California Plumbing Code and the wastewater generation factors in the most current edition of Metcalf and Eddy's "Wastewater Engineering".

Table 11
Proposed Wastewater Facility Charges Phasing Schedule

Description		Proposed Facility Charges		
		FY 11-12	FY 12-13	FY 13-14
Residential Charges - Per Unit	**gpd/DU (b)**	**Charge/Dwelling Unit**	**Charge/Dwelling Unit**	**Charge/Dwelling Unit**
Single Family Dwelling	200	$7,300	$9,100	$10,900
Multi Family Dwelling	180	$6,570	$8,190	$9,800
Non-Residential Charges - Per Meter Size *	**Meter Size**	**Charge/Meter Size**	**Charge/Meter Size**	**Charge/Meter Size**
Non-Residential Account - All Types	5/8 & 3/4	$7,300	$9,100	$10,900
	1	$12,200	$15,200	$18,200
	1.5	$24,300	$30,300	$36,300
	2	$38,900	$48,500	$58,100
	3	$73,000	$91,000	$109,000

Notes: Charges are scheduled to be effective July 1 of each Fiscal Year.

* Charges for meters greater than 3-Inch will be based on plumbing fixture requirements of the most recent edition of the California Plumbing Code and the wastewater generation factors in the most current edition of Metcalf and Eddy's "Wastewater Engineering".

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Table 12
WWTP Valuation - Conventional Financing

Wastewater Treatment Plant (WWTP)
Summary Information

Financing Criteria (a)	
Amount of Issue	$55,057,000
Interest Rate	5.7%
Term (Yrs)	30
Total Annual Debt Service (b)	$3,872,300
Proposed Bonded Debt Service	
Debt Service Pmt	$3,872,300
TCSD Share (@ 9%)	$348,500
Net Paso Robles Share	$3,523,800
Estimated Total Project Costs	
Total Costs of New WWTP	$116,169,000
TCSD Share (@ 9%)	$10,455,200
Net Paso Robles Share	$105,713,800

(a) Assumes Conventional Financing; August 2011.
(b) Includes principal and interest.
Note: Values are rounded.

Table 13
Alternative Wastewater Facility Charges - Conventional Financing

Description			Proposed Facility Charges
Proposed Facility Charges		**Discharge Values**	
Total System Value		$284,581,600	
Total Discharge - 1,000 gpd		4,397	
Total Discharge - EDU's		21,985	
System Capacity Cost ($/1,000 gpd)		**$64,700**	
System Capacity Cost ($/edu)		**$12,900**	
Residential Charges - Per Unit	**gpd/DU (b)**	**EDUs**	**Proposed Charges**
Single Family Dwelling	200	1	$12,900
Multi Family Dwelling	180	0.90	$11,600
Non-Residential Charges - Per Meter Size	**Meter Size**	**EDUs ***	**Proposed Charges**
Non-Residential Account - All Types	5/8 & 3/4	1.00	$12,900
	1	1.67	$21,500
	1.5	3.33	$43,000
	2	5.33	$68,800
	3	10.00	$129,000

Note: Alternative facility charges assumes SRF funds are not available and conventional financing is required; Aug 2011.

* Where the EDU ratio/meter size is equal to Water Meter Capacity Ratio; Charges for meters greater than 3-Inch will be based on plumbing fixture requirements of the most recent edition of the California Plumbing Code and the wastewater generation factors in the most current edition of Metcalf and Eddy's "Wastewater Engineering".

Table 14
Alternative Wastewater Facility Charges - Conventional Financing Phasing Schedule

Description		Proposed Facility Charges		
		FY 11-12	FY 12-13	FY 13-14
Residential Charges - Per Unit	**gpd/DU (b)**	**Charge/Dwelling Unit**	**Charge/Dwelling Unit**	**Charge/Dwelling Unit**
Single Family Dwelling	200	$7,900	$10,400	$12,900
Multi Family Dwelling	180	$7,110	$9,360	$11,600
Non-Residential Charges - Per Meter Size	**Meter Size**	**Charge/Meter Size**	**Charge/Meter Size**	**Charge/Meter Size**
Non-Residential Account - All Types	5/8 & 3/4	$7,900	$10,400	$12,900
	1	$13,200	$17,300	$21,500
	1.5	$26,300	$34,700	$43,000
	2	$42,100	$55,500	$68,800
	3	$79,000	$104,000	$129,000

Notes: Charges are scheduled to be effective July 1 of each Fiscal Year.

* Charges for meters greater than 3-Inch will be based on plumbing fixture requirements of the most recent edition of the California Plumbing Code and the wastewater generation factors in the most current edition of Metcalf and Eddy's "Wastewater Engineering".

Appendix A

Miscellaneous Supporting Tables

Appendix A
Wastewater Collection System
Estimated Unit Costs and Useful Life Values

PIPELINE UNIT COSTS				USEFUL LIFE (d)	
Pipe Diameter	2007 Master Plan (a)	2011 PVC (b)	2011 VCP (c)	Pipe Material	Estimated Life
4	$169	$197	$197		
6	$192	$224	$224	PVC	75
8	$216	$250	$250	VCP	100
10	$243	$281	$281	Other	50
12	$271	$316	$316		
15	$313	$364	$373		
18	$368	$428	$445		
21	$429	$499	$521		
24	$475	$552	$583		
27	$543	$631	$668		
30	$616	$716	$758		
36	$775	$901	$967		

(a) Piping Improvement Projects Cost Criteria - City of El Paso De Robles Sewer Collection System Master Plan, January 2007. 4" and 6" costs are interpolated. Sited costs per foot are for PVC.

(b) Escalated per ENR Construction Cost Index - June 2006 - January 2011.

(c) Based on installed pipe costs for PVC in Sewer Master Plan. Adjusted per ENR and for materials cost difference betweem PVC and VCP.

(d) Source: General estimates based on manufacturer's claims and typical field results. Life expectancy values may vary depending on internal and external corrosive conditions and protections. AC, DI, Steel, and Transite are assumed to be lined.

Appendix A - Paso Robles Wastewater Rate Study
Local Agency Wastewater Facility Charges

	WW Facility Charges Residential	WW Facility Charges Non-Residential
City of San Luis Obispo	$3,953/EDU	$4,091/EDU 1" - 2 EDU -$8,181 1 1/2" - 4 EDU - $16,362 2" - 6.4 EDU - $26,179 3" - 14 EDU - $57,268 4" - 22 EDU - $89,992 6" - 45 EDU - $184,074
Templeton CSD	$5,441/EDU	$5,441/EDU
City of Arroyo Grande	SFR - $1,030/EDU MFR - $762/EDU Mobile Home - $844/EDU	5/8" - $1,030 3/4" - $1,542 1" - $2,575 1 1/2" - $5,149 2" - $8,239 3" - $15,446 4" - $25,744 6" - $51,488 8" - $102,978 10" - $154,466 12" - $226,550
City of Grover Beach	5/8" - $1,073 3/4" - $1,610 1" - $2,683 1 1/2" - $5,364 2" - $8,583 3" - $16,093 4" - $26,822 6" - $53,645 8" - $85,832 10" - $128,747 12" - $171,663	Same as residential
City of Morro Bay	1" - $4,178 1 1/2" - $8,357 2" - $16,713 3" - $26,740	Same as residential
Nipoma CSD	<= 1" - $7,625 1 1/2" - $22,874 2" - $36,598 3" - $68,621 4" - $114,368 6" - $228,736	Same as residential
Oceano CSD	SFR - $2,475 Apartments - $2,475	Hotel - $1,237 (per room) Hybrid Use - $1,650 Condominium - $2,475 (per unit) Mobile Home Park - $2,475 5/8" - $2,475 3/4" - $2,475 1" - $6,000 1 1/2" - $13,000 2" - $24,000 3" - $54,450

Source: Kennedy/Jenks Survey of Rates and Charges as of 4/18/2011.

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1189	1970	191.4	10	AC	41	50	9	$53,779	$1,076	$44,099	$9,680
1329	1977	523.9	10	AC	34	50	16	$147,216	$2,944	$100,107	$47,109
1416	1966	144.3	6	AC	45	50	5	$32,341	$647	$29,107	$3,234
1417	1966	73.3	6	AC	45	50	5	$16,429	$329	$14,786	$1,643
1593	1966	70.8	6	AC	45	50	5	$15,872	$317	$14,285	$1,587
1657	1977	402.6	6	AC	34	50	16	$90,230	$1,805	$61,357	$28,874
1800	1956	265.3	6	AC	55	50	0	$59,462	$1,189	$59,462	$0
1803	1956	205.6	6	AC	55	50	0	$46,085	$922	$46,085	$0
1804	1956	347.5	6	AC	55	50	0	$77,890	$1,558	$77,890	$0
1805	1956	233.3	6	AC	55	50	0	$52,289	$1,046	$52,289	$0
8974	1956	68.1	6	AC	55	50	0	$15,256	$305	$15,256	$0
917	1988	576.7	4	C900	23	75	52	$113,732	$1,516	$34,878	$78,854
2061	1975	787.8	10	DI	36	50	14	$221,360	$4,427	$159,380	$61,981
2062	1975	562.6	10	DI	36	50	14	$158,087	$3,162	$113,823	$44,264
2063	1975	1025.9	10	DI	36	50	14	$288,258	$5,765	$207,546	$80,712
2064	1975	651.8	10	DI	36	50	14	$183,145	$3,663	$131,864	$51,280
2065	1975	126.7	10	DI	36	50	14	$35,606	$712	$25,637	$9,970
2182	1975	1077.3	18	DI	36	50	14	$479,788	$9,596	$345,447	$134,341
9175	1975	129.9	10	DI	36	50	14	$36,498	$730	$26,279	$10,220
9176	1975	595.1	10	DI	36	50	14	$167,202	$3,344	$120,386	$46,817
1379	2002	365.8	12	HDPE	9	100	91	$115,445	$1,154	$10,390	$105,055
2054	2001	376.1	20	HDPE	10	100	90	$167,507	$1,675	$16,751	$150,756
2055	2001	441.0	20	HDPE	10	100	90	$196,412	$1,964	$19,641	$176,771
2056	2001	357.7	20	HDPE	10	100	90	$159,332	$1,593	$15,933	$143,398
2057	2001	389.8	20	HDPE	10	100	90	$173,598	$1,736	$17,360	$156,239
2058	2001	410.9	20	HDPE	10	100	90	$182,988	$1,830	$18,299	$164,690
2059	2001	338.5	20	HDPE	10	100	90	$150,766	$1,508	$15,077	$135,690
2060	2001	87.4	20	HDPE	10	100	90	$38,945	$389	$3,894	$35,050
2206	2002	351.2	18	HDPE	9	100	91	$156,429	$1,564	$14,079	$142,350
2207	2002	414.1	18	HDPE	9	100	91	$184,429	$1,844	$16,599	$167,831
2208	2002	309.0	18	HDPE	9	100	91	$137,627	$1,376	$12,386	$125,241
2209	2002	287.1	18	HDPE	9	100	91	$127,875	$1,279	$11,509	$116,366
8836	2002	245.9	18	HDPE	9	100	91	$109,535	$1,095	$9,858	$99,677
8837	2002	324.8	18	HDPE	9	100	91	$144,636	$1,446	$13,017	$131,619
8838	2002	364.8	18	HDPE	9	100	91	$162,492	$1,625	$14,624	$147,868
8839	2002	433.0	18	HDPE	9	100	91	$192,850	$1,928	$17,356	$175,493
8840	2002	370.5	18	HDPE	9	100	91	$165,021	$1,650	$14,852	$150,169
8841	2002	402.2	18	HDPE	9	100	91	$179,133	$1,791	$16,122	$163,011
8842	2002	400.7	18	HDPE	9	100	91	$178,462	$1,785	$16,062	$162,400
8843	2002	398.1	18	HDPE	9	100	91	$177,326	$1,773	$15,959	$161,367
8844	2002	391.2	18	HDPE	9	100	91	$174,214	$1,742	$15,679	$158,534
8845	2002	259.8	18	HDPE	9	100	91	$115,724	$1,157	$10,415	$105,309
8848	2002	386.0	12	HDPE	9	100	91	$121,833	$1,218	$10,965	$110,868
8849	2002	266.6	18	HDPE	9	100	91	$118,750	$1,187	$10,687	$108,062
8850	2002	453.6	18	HDPE	9	100	91	$202,045	$2,020	$18,184	$183,861
8851	2002	293.0	18	HDPE	9	100	91	$130,490	$1,305	$11,744	$118,746
8852	2002	397.7	18	HDPE	9	100	91	$177,115	$1,771	$15,940	$161,175
8853	2002	421.7	18	HDPE	9	100	91	$187,818	$1,878	$16,904	$170,915
8854	2002	400.9	18	HDPE	9	100	91	$178,567	$1,786	$16,071	$162,496
8855	2002	401.7	18	HDPE	9	100	91	$178,918	$1,789	$16,103	$162,815
8856	2002	222.2	18	HDPE	9	100	91	$98,943	$989	$8,905	$90,038
8874	2001	130.2	18	HDPE	10	100	90	$58,006	$580	$5,801	$52,206
74	1956	380.4	6	ORGB	55	75	20	$85,260	$1,137	$62,524	$22,736
93	1956	153.0	6	ORGB	55	75	20	$34,283	$457	$25,141	$9,142
105	1956	281.9	6	ORGB	55	75	20	$63,192	$843	$46,341	$16,851
106	1956	145.0	6	ORGB	55	75	20	$32,510	$433	$23,841	$8,669
1554	1998	70.6	6	ORGB	13	75	62	$15,817	$211	$2,742	$13,075
1555	1998	193.7	6	ORGB	13	75	62	$43,417	$579	$7,526	$35,891
8	1963	290.8	6	PVC	48	75	27	$64,912	$865	$41,543	$23,368
20	1963	240.9	6	PVC	48	75	27	$53,771	$717	$34,413	$19,358
21	1963	66.8	6	PVC	48	75	27	$14,922	$199	$9,550	$5,372
22	1963	125.6	8	PVC	48	75	27	$31,534	$420	$20,182	$11,352
26	1963	93.0	8	PVC	48	75	27	$23,367	$312	$14,955	$8,412
33	1956	188.3	8	PVC	55	75	20	$47,296	$631	$34,684	$12,612
34	1963	379.4	8	PVC	48	75	27	$95,272	$1,270	$60,974	$34,298
35	1956	179.9	8	PVC	55	75	20	$45,175	$602	$33,128	$12,047
38	1989	279.1	8	PVC	22	75	53	$70,091	$935	$20,560	$49,531
39	1989	379.9	8	PVC	22	75	53	$95,400	$1,272	$27,984	$67,416
40	1989	366.6	8	PVC	22	75	53	$92,065	$1,228	$27,006	$65,060
42	1963	189.0	8	PVC	48	75	27	$47,455	$633	$30,372	$17,084
43	1963	192.4	8	PVC	48	75	27	$48,321	$644	$30,925	$17,396
44	1963	171.5	8	PVC	48	75	27	$43,081	$574	$27,572	$15,509
45	1963	200.6	8	PVC	48	75	27	$50,371	$672	$32,237	$18,133
46	1963	237.8	8	PVC	48	75	27	$59,717	$796	$38,219	$21,498

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
47	1963	283.7	8	PVC	48	75	27	$71,258	$950	$45,605	$25,653
48	1963	328.6	8	PVC	48	75	27	$82,522	$1,100	$52,814	$29,708
49	1963	389.1	8	PVC	48	75	27	$97,721	$1,303	$62,541	$35,180
50	1963	105.7	8	PVC	48	75	27	$26,551	$354	$16,993	$9,558
52	1963	167.3	4	PVC	48	75	27	$32,871	$438	$21,038	$11,834
70	1984	112.0	6	PVC	27	75	48	$24,995	$333	$8,998	$15,997
71	1984	105.4	6	PVC	27	75	48	$23,532	$314	$8,471	$15,060
72	1984	189.4	6	PVC	27	75	48	$42,290	$564	$15,224	$27,066
73	1989	251.4	8	PVC	22	75	53	$63,145	$842	$18,523	$44,623
82	1963	134.6	8	PVC	48	75	27	$33,809	$451	$21,638	$12,171
84	1956	376.5	6	PVC	55	75	20	$84,052	$1,121	$61,638	$22,414
86	1956	379.3	6	PVC	55	75	20	$84,670	$1,129	$62,092	$22,579
87	1956	286.0	6	PVC	55	75	20	$63,856	$851	$46,828	$17,028
88	1956	67.6	6	PVC	55	75	20	$15,097	$201	$11,071	$4,026
109	1992	349.5	8	PVC	19	75	56	$87,779	$1,170	$22,237	$65,542
117	1956	36.6	8	PVC	55	75	20	$9,204	$123	$6,750	$2,455
126	1956	378.3	6	PVC	55	75	20	$84,450	$1,126	$61,930	$22,520
135	1999	130.4	8	PVC	12	75	63	$32,753	$437	$5,241	$27,513
136	1999	402.7	8	PVC	12	75	63	$101,130	$1,348	$16,181	$84,949
137	1993	65.7	8	PVC	18	75	57	$16,512	$220	$3,963	$12,549
138	1993	277.2	8	PVC	18	75	57	$69,623	$928	$16,709	$52,913
139	1993	353.0	8	PVC	18	75	57	$88,650	$1,182	$21,276	$67,374
140	1993	407.2	8	PVC	18	75	57	$102,276	$1,364	$24,546	$77,729
141	1993	267.2	8	PVC	18	75	57	$67,097	$895	$16,103	$50,994
142	2003	149.5	8	PVC	8	75	67	$37,544	$501	$4,005	$33,539
143	1993	324.9	8	PVC	18	75	57	$81,590	$1,088	$19,582	$62,009
144	1993	291.1	8	PVC	18	75	57	$73,109	$975	$17,546	$55,563
145	1993	269.1	8	PVC	18	75	57	$67,571	$901	$16,217	$51,354
146	1993	284.1	8	PVC	18	75	57	$71,363	$952	$17,127	$54,236
147	1993	330.1	8	PVC	18	75	57	$82,912	$1,105	$19,899	$63,013
148	1993	165.0	8	PVC	18	75	57	$41,449	$553	$9,948	$31,501
149	1993	250.8	8	PVC	18	75	57	$62,988	$840	$15,117	$47,871
150	1986	116.3	10	PVC	25	75	50	$32,853	$438	$10,951	$21,902
151	1986	280.0	10	PVC	25	75	50	$79,100	$1,055	$26,367	$52,733
152	1986	187.7	10	PVC	25	75	50	$53,027	$707	$17,676	$35,351
153	1985	465.2	8	PVC	26	75	49	$116,838	$1,558	$40,504	$76,334
154	1985	287.9	8	PVC	26	75	49	$72,307	$964	$25,066	$47,240
155	1985	274.6	8	PVC	26	75	49	$68,958	$919	$23,906	$45,053
156	1985	254.0	8	PVC	26	75	49	$63,794	$851	$22,115	$41,678
157	1985	253.1	8	PVC	26	75	49	$63,556	$847	$22,033	$41,523
158	1985	116.8	8	PVC	26	75	49	$29,332	$391	$10,168	$19,164
159	1985	292.1	8	PVC	26	75	49	$73,358	$978	$25,431	$47,927
160	1985	79.8	8	PVC	26	75	49	$20,053	$267	$6,952	$13,101
161	1985	127.4	10	PVC	26	75	49	$36,003	$480	$12,481	$23,522
162	1983	138.5	6	PVC	28	75	47	$30,914	$412	$11,541	$19,373
163	1982	431.2	8	PVC	29	75	46	$108,289	$1,444	$41,872	$66,417
164	1982	67.9	6	PVC	29	75	46	$15,150	$202	$5,858	$9,292
165	2003	358.0	8	PVC	8	75	67	$89,919	$1,199	$9,591	$80,327
166	2003	134.7	8	PVC	8	75	67	$33,820	$451	$3,607	$30,213
167	1997	308.3	8	PVC	14	75	61	$77,429	$1,032	$14,453	$62,975
168	1999	146.3	8	PVC	12	75	63	$36,745	$490	$5,879	$30,866
169	1989	144.9	12	PVC	22	75	53	$45,665	$609	$13,395	$32,270
170	1989	78.7	12	PVC	22	75	53	$24,799	$331	$7,274	$17,525
171	1989	314.7	12	PVC	22	75	53	$99,169	$1,322	$29,090	$70,080
172	1989	313.3	12	PVC	22	75	53	$98,721	$1,316	$28,958	$69,763
173	1995	178.7	12	PVC	16	75	59	$56,312	$751	$12,013	$44,298
174	1989	416.7	12	PVC	22	75	53	$131,300	$1,751	$38,515	$92,785
175	1989	243.9	8	PVC	22	75	53	$61,261	$817	$17,970	$43,291
176	1988	360.5	10	PVC	23	75	52	$101,859	$1,358	$31,237	$70,622
177	1988	52.1	8	PVC	23	75	52	$13,088	$175	$4,014	$9,074
178	1988	153.4	8	PVC	23	75	52	$38,534	$514	$11,817	$26,717
179	1988	358.2	8	PVC	23	75	52	$89,964	$1,200	$27,589	$62,375
180	1988	134.6	8	PVC	23	75	52	$33,797	$451	$10,364	$23,432
181	1988	389.4	8	PVC	23	75	52	$97,805	$1,304	$29,994	$67,812
182	1984	228.8	8	PVC	27	75	48	$57,460	$766	$20,686	$36,774
183	1984	138.0	8	PVC	27	75	48	$34,646	$462	$12,472	$22,173
184	1984	124.6	10	PVC	27	75	48	$35,196	$469	$12,671	$22,525
185	1984	212.7	8	PVC	27	75	48	$53,419	$712	$19,231	$34,188
186	1984	293.8	8	PVC	27	75	48	$73,784	$984	$26,562	$47,222
187	1983	253.7	6	PVC	28	75	47	$56,633	$755	$21,143	$35,490
188	1983	137.2	8	PVC	28	75	47	$34,448	$459	$12,860	$21,587
189	1993	28.6	8	PVC	18	75	57	$7,175	$96	$1,722	$5,453
190	1983	143.6	8	PVC	28	75	47	$36,073	$481	$13,467	$22,606
191	1983	128.7	8	PVC	28	75	47	$32,323	$431	$12,067	$20,256

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
192	1985	172.6	8	PVC	26	75	49	$43,357	$578	$15,030	$28,327
193	1985	279.1	8	PVC	26	75	49	$70,094	$935	$24,299	$45,795
194	1985	261.6	8	PVC	26	75	49	$65,695	$876	$22,774	$42,921
195	1982	144.0	8	PVC	29	75	46	$36,154	$482	$13,980	$22,174
196	1982	224.1	8	PVC	29	75	46	$56,288	$751	$21,765	$34,523
197	1982	317.1	8	PVC	29	75	46	$79,635	$1,062	$30,792	$48,843
198	1982	319.1	8	PVC	29	75	46	$80,148	$1,069	$30,991	$49,158
199	1982	305.7	8	PVC	29	75	46	$76,763	$1,024	$29,682	$47,082
200	1982	135.0	6	PVC	29	75	46	$30,132	$402	$11,651	$18,481
204	1980	249.0	10	PVC	31	75	44	$70,359	$938	$29,082	$41,277
205	1980	41.8	10	PVC	31	75	44	$11,823	$158	$4,887	$6,936
206	1980	209.6	10	PVC	31	75	44	$59,227	$790	$24,481	$34,747
207	1980	395.8	8	PVC	31	75	44	$99,411	$1,325	$41,090	$58,321
208	1980	75.2	8	PVC	31	75	44	$18,881	$252	$7,804	$11,077
209	1979	386.8	8	PVC	32	75	43	$97,143	$1,295	$41,448	$55,696
211	1980	386.1	8	PVC	31	75	44	$96,964	$1,293	$40,078	$56,885
212	2003	203.0	8	PVC	8	75	67	$50,988	$680	$5,439	$45,549
213	2003	142.0	8	PVC	8	75	67	$35,674	$476	$3,805	$31,869
214	2003	86.8	8	PVC	8	75	67	$21,805	$291	$2,326	$19,480
215	2003	393.4	8	PVC	8	75	67	$98,808	$1,317	$10,540	$88,268
216	2003	134.2	8	PVC	8	75	67	$33,700	$449	$3,595	$30,106
217	2003	259.6	8	PVC	8	75	67	$65,206	$869	$6,955	$58,251
218	1999	81.5	8	PVC	12	75	63	$20,459	$273	$3,273	$17,185
219	1999	94.8	8	PVC	12	75	63	$23,815	$318	$3,810	$20,005
220	1999	231.8	8	PVC	12	75	63	$58,206	$776	$9,313	$48,893
221	1999	111.2	8	PVC	12	75	63	$27,925	$372	$4,468	$23,457
222	1989	153.1	8	PVC	22	75	53	$38,456	$513	$11,280	$27,175
223	1989	206.0	8	PVC	22	75	53	$51,735	$690	$15,176	$36,560
224	1989	349.3	12	PVC	22	75	53	$110,074	$1,468	$32,288	$77,785
225	1989	250.7	12	PVC	22	75	53	$78,980	$1,053	$23,168	$55,813
226	1989	246.7	12	PVC	22	75	53	$77,722	$1,036	$22,799	$54,924
227	1995	268.0	8	PVC	16	75	59	$67,308	$897	$14,359	$52,949
228	2001	325.4	8	PVC	10	75	65	$81,715	$1,090	$10,895	$70,820
229	1995	267.8	12	PVC	16	75	59	$84,379	$1,125	$18,001	$66,378
230	1995	322.0	12	PVC	16	75	59	$101,473	$1,353	$21,648	$79,826
231	1988	326.2	12	PVC	23	75	52	$102,783	$1,370	$31,520	$71,263
232	1988	419.4	12	PVC	23	75	52	$132,155	$1,762	$40,527	$91,627
233	1988	68.7	6	PVC	23	75	52	$15,329	$204	$4,701	$10,628
235	1981	140.0	10	PVC	30	75	45	$39,552	$527	$15,821	$23,731
236	1989	194.2	21	PVC	22	75	53	$96,869	$1,292	$28,415	$68,454
237	2003	509.2	8	PVC	8	75	67	$127,895	$1,705	$13,642	$114,253
240	1988	325.9	8	PVC	23	75	52	$81,839	$1,091	$25,097	$56,742
241	1988	144.3	8	PVC	23	75	52	$36,251	$483	$11,117	$25,134
242	1988	364.4	8	PVC	23	75	52	$91,518	$1,220	$28,066	$63,452
243	1989	255.1	8	PVC	22	75	53	$64,078	$854	$18,796	$45,282
244	1989	172.6	10	PVC	22	75	53	$48,775	$650	$14,307	$34,467
245	1989	368.7	10	PVC	22	75	53	$104,172	$1,389	$30,557	$73,615
246	1989	243.9	18	PVC	22	75	53	$104,343	$1,391	$30,607	$73,736
247	1989	184.7	18	PVC	22	75	53	$79,030	$1,054	$23,182	$55,848
248	1989	108.9	18	PVC	22	75	53	$46,598	$621	$13,669	$32,930
249	1989	499.6	18	PVC	22	75	53	$213,788	$2,851	$62,711	$151,077
250	1992	254.3	18	PVC	19	75	56	$108,824	$1,451	$27,569	$81,255
251	1992	179.3	8	PVC	19	75	56	$45,040	$601	$11,410	$33,630
252	1992	149.7	18	PVC	19	75	56	$64,036	$854	$16,222	$47,814
253	1992	102.2	8	PVC	19	75	56	$25,664	$342	$6,502	$19,162
254	1992	173.5	6	PVC	19	75	56	$38,743	$517	$9,815	$28,928
255	1992	207.3	6	PVC	19	75	56	$46,280	$617	$11,724	$34,556
256	1984	45.1	10	PVC	27	75	48	$12,739	$170	$4,586	$8,153
257	1996	76.5	8	PVC	15	75	60	$19,216	$256	$3,843	$15,373
258	1996	110.6	8	PVC	15	75	60	$27,775	$370	$5,555	$22,220
259	1996	239.9	8	PVC	15	75	60	$60,250	$803	$12,050	$48,200
260	1999	499.5	8	PVC	12	75	63	$125,455	$1,673	$20,073	$105,382
261	1984	135.8	10	PVC	27	75	48	$38,375	$512	$13,815	$24,560
262	1984	485.8	10	PVC	27	75	48	$137,258	$1,830	$49,413	$87,845
263	1984	202.1	8	PVC	27	75	48	$50,766	$677	$18,276	$32,490
265	1989	177.0	6	PVC	22	75	53	$39,515	$527	$11,591	$27,924
266	1989	389.8	10	PVC	22	75	53	$110,122	$1,468	$32,302	$77,819
267	1989	380.0	6	PVC	22	75	53	$84,831	$1,131	$24,884	$59,947
268	1989	471.2	10	PVC	22	75	53	$133,122	$1,775	$39,049	$94,073
269	1985	307.9	10	PVC	26	75	49	$86,985	$1,160	$30,155	$56,830
305	1988	313.1	8	PVC	23	75	52	$78,643	$1,049	$24,117	$54,526
306	1988	191.7	12	PVC	23	75	52	$60,396	$805	$18,521	$41,874
307	1985	49.8	10	PVC	26	75	49	$14,067	$188	$4,877	$9,191
308	1989	233.7	18	PVC	22	75	53	$99,998	$1,333	$29,333	$70,665

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
309	1989	261.5	18	PVC	22	75	53	$111,901	$1,492	$32,824	$79,077
310	1989	157.7	18	PVC	22	75	53	$67,455	$899	$19,787	$47,668
311	1990	400.0	18	PVC	21	75	54	$171,131	$2,282	$47,917	$123,214
312	1990	232.2	18	PVC	21	75	54	$99,339	$1,325	$27,815	$71,524
313	1990	296.0	18	PVC	21	75	54	$126,642	$1,689	$35,460	$91,182
314	1990	146.6	18	PVC	21	75	54	$62,735	$836	$17,566	$45,169
315	1989	313.6	18	PVC	22	75	53	$134,182	$1,789	$39,360	$94,822
316	1990	213.3	8	PVC	21	75	54	$53,563	$714	$14,998	$38,566
317	1990	109.5	8	PVC	21	75	54	$27,496	$367	$7,699	$19,797
318	1990	187.9	8	PVC	21	75	54	$47,195	$629	$13,215	$33,980
319	1990	186.5	8	PVC	21	75	54	$46,850	$625	$13,118	$33,732
320	1989	94.2	8	PVC	22	75	53	$23,664	$316	$6,941	$16,722
321	1999	212.2	8	PVC	12	75	63	$53,288	$711	$8,526	$44,762
322	1999	175.4	8	PVC	12	75	63	$44,062	$587	$7,050	$37,012
323	1999	166.5	8	PVC	12	75	63	$41,803	$557	$6,689	$35,115
324	1988	388.3	12	PVC	23	75	52	$122,358	$1,631	$37,523	$84,835
325	2003	92.4	8	PVC	8	75	67	$23,196	$309	$2,474	$20,722
326	2003	504.2	8	PVC	8	75	67	$126,629	$1,688	$13,507	$113,122
327	2003	412.6	8	PVC	8	75	67	$103,629	$1,382	$11,054	$92,575
328	2003	280.2	8	PVC	8	75	67	$70,366	$938	$7,506	$62,861
329	2003	508.0	8	PVC	8	75	67	$127,593	$1,701	$13,610	$113,983
330	2003	286.6	8	PVC	8	75	67	$71,981	$960	$7,678	$64,303
331	2003	197.0	6	PVC	8	75	67	$43,970	$586	$4,690	$39,280
332	1989	36.3	12	PVC	22	75	53	$11,449	$153	$3,359	$8,091
334	2003	161.4	8	PVC	8	75	67	$40,530	$540	$4,323	$36,207
335	2003	445.7	8	PVC	8	75	67	$111,932	$1,492	$11,939	$99,992
336	2003	285.2	8	PVC	8	75	67	$71,615	$955	$7,639	$63,976
337	1999	475.6	8	PVC	12	75	63	$119,449	$1,593	$19,112	$100,337
338	2001	41.8	8	PVC	10	75	65	$10,491	$140	$1,399	$9,092
339	2001	364.4	8	PVC	10	75	65	$91,505	$1,220	$12,201	$79,304
340	1999	188.0	10	PVC	12	75	63	$53,122	$708	$8,500	$44,623
341	1995	223.2	12	PVC	16	75	59	$70,337	$938	$15,005	$55,332
342	1995	363.5	8	PVC	16	75	59	$91,299	$1,217	$19,477	$71,822
343	1999	211.1	8	PVC	12	75	63	$53,018	$707	$8,483	$44,535
344	1999	319.4	8	PVC	12	75	63	$80,210	$1,069	$12,834	$67,377
345	1999	285.8	8	PVC	12	75	63	$71,771	$957	$11,483	$60,287
346	1999	173.3	8	PVC	12	75	63	$43,521	$580	$6,963	$36,557
347	1999	248.3	8	PVC	12	75	63	$62,352	$831	$9,976	$52,375
348	1999	358.2	8	PVC	12	75	63	$89,961	$1,199	$14,394	$75,567
349	1999	105.4	8	PVC	12	75	63	$26,475	$353	$4,236	$22,239
350	1999	320.5	8	PVC	12	75	63	$80,492	$1,073	$12,879	$67,614
351	1999	285.9	8	PVC	12	75	63	$71,811	$957	$11,490	$60,321
352	1999	106.8	8	PVC	12	75	63	$26,827	$358	$4,292	$22,534
353	1999	277.8	8	PVC	12	75	63	$69,759	$930	$11,161	$58,597
354	2003	408.6	8	PVC	8	75	67	$102,624	$1,368	$10,947	$91,678
355	2003	296.2	8	PVC	8	75	67	$74,388	$992	$7,935	$66,454
356	2003	395.8	8	PVC	8	75	67	$99,402	$1,325	$10,603	$88,800
357	2003	117.0	8	PVC	8	75	67	$29,374	$392	$3,133	$26,241
358	2003	219.1	8	PVC	8	75	67	$55,036	$734	$5,871	$49,166
359	1987	335.2	8	PVC	24	75	51	$84,181	$1,122	$26,938	$57,243
360	1987	204.1	8	PVC	24	75	51	$51,265	$684	$16,405	$34,860
361	1987	182.4	8	PVC	24	75	51	$45,797	$611	$14,655	$31,142
362	1987	243.1	8	PVC	24	75	51	$61,052	$814	$19,537	$41,515
363	1995	132.4	6	PVC	16	75	59	$29,560	$394	$6,306	$23,254
364	1995	166.2	6	PVC	16	75	59	$37,113	$495	$7,917	$29,195
365	1995	199.0	8	PVC	16	75	59	$49,987	$666	$10,664	$39,323
366	1995	260.2	8	PVC	16	75	59	$65,360	$871	$13,943	$51,416
367	1995	249.4	6	PVC	16	75	59	$55,666	$742	$11,875	$43,791
368	1995	268.0	6	PVC	16	75	59	$59,822	$798	$12,762	$47,060
369	1995	182.9	6	PVC	16	75	59	$40,823	$544	$8,709	$32,114
370	1995	180.6	8	PVC	16	75	59	$45,368	$605	$9,679	$35,690
371	1995	200.1	8	PVC	16	75	59	$50,262	$670	$10,723	$39,540
372	1995	178.7	6	PVC	16	75	59	$39,892	$532	$8,510	$31,382
373	1995	438.9	8	PVC	16	75	59	$110,215	$1,470	$23,513	$86,703
374	1995	202.3	8	PVC	16	75	59	$50,806	$677	$10,839	$39,967
375	1999	139.5	8	PVC	12	75	63	$35,036	$467	$5,606	$29,431
376	2003	238.2	8	PVC	8	75	67	$59,832	$798	$6,382	$53,450
377	1981	386.5	8	PVC	30	75	45	$97,076	$1,294	$38,831	$58,246
378	1981	368.4	10	PVC	30	75	45	$104,080	$1,388	$41,632	$62,448
379	1981	280.1	10	PVC	30	75	45	$79,134	$1,055	$31,654	$47,480
380	1987	188.7	8	PVC	24	75	51	$47,394	$632	$15,166	$32,228
381	1987	122.3	6	PVC	24	75	51	$27,298	$364	$8,735	$18,563
382	1987	216.7	6	PVC	24	75	51	$48,386	$645	$15,483	$32,902
383	1987	361.2	8	PVC	24	75	51	$90,721	$1,210	$29,031	$61,691

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
384	2003	259.1	8	PVC	8	75	67	$65,077	$868	$6,942	$58,135
385	2003	241.4	8	PVC	8	75	67	$60,618	$808	$6,466	$54,152
386	2003	296.8	8	PVC	8	75	67	$74,542	$994	$7,951	$66,590
387	2003	236.1	8	PVC	8	75	67	$59,305	$791	$6,326	$52,979
388	2003	197.9	8	PVC	8	75	67	$49,710	$663	$5,302	$44,408
389	2003	136.3	8	PVC	8	75	67	$34,225	$456	$3,651	$30,574
406	1979	241.8	10	PVC	32	75	43	$68,316	$911	$29,148	$39,168
407	1979	256.0	10	PVC	32	75	43	$72,344	$965	$30,867	$41,477
408	1979	165.8	10	PVC	32	75	43	$46,840	$625	$19,985	$26,855
410	2001	215.5	8	PVC	10	75	65	$54,134	$722	$7,218	$46,916
413	1979	152.8	8	PVC	32	75	43	$38,379	$512	$16,375	$22,004
414	1979	160.7	6	PVC	32	75	43	$35,878	$478	$15,308	$20,570
415	1980	115.8	6	PVC	31	75	44	$25,855	$345	$10,687	$15,169
416	1980	91.2	6	PVC	31	75	44	$20,350	$271	$8,411	$11,939
421	1980	286.6	8	PVC	31	75	44	$71,986	$960	$29,754	$42,232
422	1980	502.1	8	PVC	31	75	44	$126,108	$1,681	$52,125	$73,983
423	1981	175.2	10	PVC	30	75	45	$49,488	$660	$19,795	$29,693
425	1999	46.0	6	PVC	12	75	63	$10,269	$137	$1,643	$8,626
426	1980	301.4	8	PVC	31	75	44	$75,687	$1,009	$31,284	$44,403
427	1980	449.1	8	PVC	31	75	44	$112,800	$1,504	$46,624	$66,176
428	1980	395.1	8	PVC	31	75	44	$99,218	$1,323	$41,010	$58,208
429	1980	385.9	8	PVC	31	75	44	$96,909	$1,292	$40,056	$56,853
430	1980	402.4	8	PVC	31	75	44	$101,056	$1,347	$41,770	$59,286
431	1980	232.2	8	PVC	31	75	44	$58,317	$778	$24,104	$34,213
432	1980	284.1	8	PVC	31	75	44	$71,344	$951	$29,489	$41,855
433	1980	305.4	8	PVC	31	75	44	$76,700	$1,023	$31,703	$44,998
434	1999	234.6	6	PVC	12	75	63	$52,382	$698	$8,381	$44,001
435	1980	114.9	8	PVC	31	75	44	$28,848	$385	$11,924	$16,924
436	1980	147.7	8	PVC	31	75	44	$37,098	$495	$15,334	$21,764
437	2001	166.4	8	PVC	10	75	65	$41,784	$557	$5,571	$36,213
438	2001	189.2	8	PVC	10	75	65	$47,509	$633	$6,334	$41,174
439	1978	221.1	6	PVC	33	75	42	$49,360	$658	$21,718	$27,641
452	1985	88.4	8	PVC	26	75	49	$22,191	$296	$7,693	$14,498
461	1985	110.8	6	PVC	26	75	49	$24,738	$330	$8,576	$16,162
462	1985	96.6	8	PVC	26	75	49	$24,248	$323	$8,406	$15,842
463	1985	123.4	6	PVC	26	75	49	$27,540	$367	$9,547	$17,993
464	1985	110.2	6	PVC	26	75	49	$24,604	$328	$8,529	$16,074
465	1962	104.7	10	PVC	49	75	26	$29,570	$394	$19,319	$10,251
507	2003	210.0	8	PVC	8	75	67	$52,734	$703	$5,625	$47,109
509	1984	256.3	8	PVC	27	75	48	$64,374	$858	$23,175	$41,199
510	1991	414.3	6	PVC	20	75	55	$92,496	$1,233	$24,666	$67,831
511	1991	146.7	8	PVC	20	75	55	$36,849	$491	$9,826	$27,022
512	1984	445.3	8	PVC	27	75	48	$111,834	$1,491	$40,260	$71,574
513	1984	443.6	8	PVC	27	75	48	$111,408	$1,485	$40,107	$71,301
514	1984	91.2	8	PVC	27	75	48	$22,896	$305	$8,243	$14,653
515	1984	298.2	8	PVC	27	75	48	$74,895	$999	$26,962	$47,933
516	1985	127.9	6	PVC	26	75	49	$28,549	$381	$9,897	$18,652
517	1985	64.8	6	PVC	26	75	49	$14,460	$193	$5,013	$9,447
518	1985	215.4	8	PVC	26	75	49	$54,091	$721	$18,751	$35,339
519	1985	271.7	8	PVC	26	75	49	$68,230	$910	$23,653	$44,577
520	1979	68.4	8	PVC	32	75	43	$17,182	$229	$7,331	$9,851
521	1979	80.5	8	PVC	32	75	43	$20,209	$269	$8,622	$11,586
522	1978	162.5	8	PVC	33	75	42	$40,819	$544	$17,960	$22,858
523	1979	288.9	8	PVC	32	75	43	$72,567	$968	$30,962	$41,605
526	1984	160.0	6	PVC	27	75	48	$35,710	$476	$12,856	$22,854
527	1984	144.0	6	PVC	27	75	48	$32,136	$428	$11,569	$20,567
528	1984	173.5	6	PVC	27	75	48	$38,734	$516	$13,944	$24,789
529	1984	103.4	6	PVC	27	75	48	$23,085	$308	$8,311	$14,774
530	1984	248.7	8	PVC	27	75	48	$62,450	$833	$22,482	$39,968
531	1984	207.2	8	PVC	27	75	48	$52,041	$694	$18,735	$33,306
532	1984	273.4	8	PVC	27	75	48	$68,651	$915	$24,714	$43,936
533	1984	148.1	8	PVC	27	75	48	$37,195	$496	$13,390	$23,805
534	1980	148.9	12	PVC	31	75	44	$46,930	$626	$19,398	$27,532
535	1980	185.6	12	PVC	31	75	44	$58,489	$780	$24,175	$34,313
536	1984	81.7	6	PVC	27	75	48	$18,246	$243	$6,569	$11,678
537	1984	304.1	8	PVC	27	75	48	$76,368	$1,018	$27,492	$48,875
538	1980	148.0	12	PVC	31	75	44	$46,640	$622	$19,278	$27,362
539	1985	465.8	8	PVC	26	75	49	$116,988	$1,560	$40,556	$76,432
540	1985	128.1	6	PVC	26	75	49	$28,593	$381	$9,912	$18,681
541	1980	159.9	6	PVC	31	75	44	$35,691	$476	$14,752	$20,939
542	1985	192.4	8	PVC	26	75	49	$48,313	$644	$16,748	$31,564
543	1985	107.8	8	PVC	26	75	49	$27,081	$361	$9,388	$17,693
544	1985	56.4	8	PVC	26	75	49	$14,171	$189	$4,913	$9,258
545	2004	231.2	6	PVC	7	75	68	$51,603	$688	$4,816	$46,787

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
546	1989	313.1	21	PVC	22	75	53	$156,161	$2,082	$45,807	$110,354
548	1989	217.1	27	PVC	22	75	53	$137,046	$1,827	$40,200	$96,846
549	1989	167.9	27	PVC	22	75	53	$106,017	$1,414	$31,098	$74,918
550	2002	241.9	8	PVC	9	75	66	$60,749	$810	$7,290	$53,459
551	2002	303.7	8	PVC	9	75	66	$76,278	$1,017	$9,153	$67,125
552	2002	111.5	8	PVC	9	75	66	$28,006	$373	$3,361	$24,645
553	2002	442.5	8	PVC	9	75	66	$111,121	$1,482	$13,335	$97,786
554	2003	63.2	6	PVC	8	75	67	$14,104	$188	$1,504	$12,599
555	1978	200.8	8	PVC	33	75	42	$50,433	$672	$22,191	$28,243
556	1978	429.9	8	PVC	33	75	42	$107,972	$1,440	$47,508	$60,464
557	1978	169.0	8	PVC	33	75	42	$42,437	$566	$18,672	$23,764
558	1978	22.6	8	PVC	33	75	42	$5,666	$76	$2,493	$3,173
561	1980	122.4	10	PVC	31	75	44	$34,576	$461	$14,291	$20,284
562	1980	329.7	10	PVC	31	75	44	$93,162	$1,242	$38,507	$54,655
577	1985	315.3	8	PVC	26	75	49	$79,174	$1,056	$27,447	$51,727
578	1985	386.1	8	PVC	26	75	49	$96,968	$1,293	$33,616	$63,352
579	1985	318.5	8	PVC	26	75	49	$80,002	$1,067	$27,734	$52,268
580	1985	351.9	8	PVC	26	75	49	$88,381	$1,178	$30,639	$57,742
581	1985	166.9	8	PVC	26	75	49	$41,908	$559	$14,528	$27,380
582	1985	147.9	10	PVC	26	75	49	$41,797	$557	$14,490	$27,307
591	1986	208.2	8	PVC	25	75	50	$52,292	$697	$17,431	$34,861
592	1986	135.4	8	PVC	25	75	50	$33,994	$453	$11,331	$22,663
594	1987	289.1	8	PVC	24	75	51	$72,602	$968	$23,233	$49,369
595	1979	186.3	8	PVC	32	75	43	$46,786	$624	$19,962	$26,824
596	1979	255.1	8	PVC	32	75	43	$64,079	$854	$27,341	$36,739
597	1978	387.1	8	PVC	33	75	42	$97,216	$1,296	$42,775	$54,441
598	1978	375.6	8	PVC	33	75	42	$94,318	$1,258	$41,500	$52,818
599	1978	37.6	8	PVC	33	75	42	$9,434	$126	$4,151	$5,283
606	2000	178.2	6	PVC	11	75	64	$39,780	$530	$5,834	$33,946
610	1988	341.7	12	PVC	23	75	52	$107,670	$1,436	$33,019	$74,651
611	1989	351.9	18	PVC	22	75	53	$150,590	$2,008	$44,173	$106,417
612	1988	399.4	12	PVC	23	75	52	$125,858	$1,678	$38,596	$87,261
613	1988	222.1	12	PVC	23	75	52	$69,982	$933	$21,461	$48,521
614	1989	311.2	12	PVC	22	75	53	$98,063	$1,308	$28,765	$69,298
615	1989	89.4	12	PVC	22	75	53	$28,163	$376	$8,261	$19,902
616	1989	58.6	12	PVC	22	75	53	$18,450	$246	$5,412	$13,038
617	1989	208.1	12	PVC	22	75	53	$65,580	$874	$19,237	$46,343
618	1989	292.1	12	PVC	22	75	53	$92,041	$1,227	$26,999	$65,042
619	1988	51.8	8	PVC	23	75	52	$13,016	$174	$3,991	$9,024
620	1986	428.7	8	PVC	25	75	50	$107,654	$1,435	$35,885	$71,769
621	1986	355.2	8	PVC	25	75	50	$89,195	$1,189	$29,732	$59,463
622	1990	70.7	6	PVC	21	75	54	$15,777	$210	$4,418	$11,360
623	1993	50.1	8	PVC	18	75	57	$12,576	$168	$3,018	$9,558
624	1989	216.3	21	PVC	22	75	53	$107,867	$1,438	$31,641	$76,226
632	1986	73.0	6	PVC	25	75	50	$16,307	$217	$5,436	$10,871
638	1991	211.3	6	PVC	20	75	55	$47,174	$629	$12,580	$34,594
639	1991	199.9	6	PVC	20	75	55	$44,626	$595	$11,900	$32,725
640	1991	160.7	6	PVC	20	75	55	$35,881	$478	$9,568	$26,312
641	1991	273.7	6	PVC	20	75	55	$61,104	$815	$16,294	$44,809
642	1991	192.9	6	PVC	20	75	55	$43,068	$574	$11,485	$31,584
645	1988	252.6	8	PVC	23	75	52	$63,445	$846	$19,457	$43,989
646	1988	317.1	8	PVC	23	75	52	$79,630	$1,062	$24,420	$55,210
647	1988	281.4	8	PVC	23	75	52	$70,682	$942	$21,676	$49,006
648	1994	298.0	8	PVC	17	75	58	$74,829	$998	$16,961	$57,868
649	1988	314.9	6	PVC	23	75	52	$70,287	$937	$21,555	$48,733
650	1988	171.6	6	PVC	23	75	52	$38,308	$511	$11,748	$26,560
651	1988	326.9	6	PVC	23	75	52	$72,967	$973	$22,376	$50,590
652	1988	154.0	8	PVC	23	75	52	$38,677	$516	$11,861	$26,816
653	1988	193.7	6	PVC	23	75	52	$43,245	$577	$13,262	$29,983
654	1988	304.9	6	PVC	23	75	52	$68,065	$908	$20,873	$47,192
655	2000	194.0	6	PVC	11	75	64	$43,306	$577	$6,352	$36,954
656	2000	281.1	6	PVC	11	75	64	$62,762	$837	$9,205	$53,557
657	2000	117.2	6	PVC	11	75	64	$26,160	$349	$3,837	$22,323
658	2000	283.9	8	PVC	11	75	64	$71,307	$951	$10,458	$60,848
659	2000	170.5	8	PVC	11	75	64	$42,824	$571	$6,281	$36,543
660	2000	256.4	8	PVC	11	75	64	$64,396	$859	$9,445	$54,951
661	2002	401.7	8	PVC	9	75	66	$100,893	$1,345	$12,107	$88,786
662	2000	299.5	8	PVC	11	75	64	$75,206	$1,003	$11,030	$64,176
663	2000	113.4	8	PVC	11	75	64	$28,489	$380	$4,178	$24,311
664	2000	371.0	8	PVC	11	75	64	$93,179	$1,242	$13,666	$79,513
665	2000	377.7	8	PVC	11	75	64	$94,855	$1,265	$13,912	$80,943
666	2000	178.7	8	PVC	11	75	64	$44,879	$598	$6,582	$38,297
667	1990	381.5	8	PVC	21	75	54	$95,808	$1,277	$26,826	$68,981
668	1990	361.6	8	PVC	21	75	54	$90,822	$1,211	$25,430	$65,392

Appendix A
Wastewater Collection System
Pipeline Asset Values

Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Asset Value Using Current Replacement Costs: Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
669	1990	390.6	8	PVC	21	75	54	$98,104	$1,308	$27,469	$70,635
670	1990	89.8	8	PVC	21	75	54	$22,550	$301	$6,314	$16,236
671	1990	203.2	8	PVC	21	75	54	$51,021	$680	$14,286	$36,735
672	2000	347.6	8	PVC	11	75	64	$87,295	$1,164	$12,803	$74,492
673	2000	163.9	8	PVC	11	75	64	$41,162	$549	$6,037	$35,125
674	2000	295.9	8	PVC	11	75	64	$74,308	$991	$10,899	$63,409
675	2000	124.5	8	PVC	11	75	64	$31,256	$417	$4,584	$26,672
676	2000	357.4	8	PVC	11	75	64	$89,753	$1,197	$13,164	$76,589
677	2000	173.2	6	PVC	11	75	64	$38,665	$516	$5,671	$32,994
678	2000	412.7	8	PVC	11	75	64	$103,652	$1,382	$15,202	$88,450
679	2000	165.0	8	PVC	11	75	64	$41,426	$552	$6,076	$35,351
680	2000	326.6	8	PVC	11	75	64	$82,020	$1,094	$12,030	$69,991
681	2000	198.6	6	PVC	11	75	64	$44,345	$591	$6,504	$37,841
682	2000	176.2	6	PVC	11	75	64	$39,338	$525	$5,770	$33,568
683	2002	380.4	8	PVC	9	75	66	$95,544	$1,274	$11,465	$84,078
684	1990	146.4	8	PVC	21	75	54	$36,772	$490	$10,296	$26,476
685	1990	141.7	8	PVC	21	75	54	$35,590	$475	$9,965	$25,625
686	1990	176.2	8	PVC	21	75	54	$44,261	$590	$12,393	$31,868
687	1990	215.1	8	PVC	21	75	54	$54,016	$720	$15,124	$38,891
688	1993	247.4	6	PVC	18	75	57	$55,221	$736	$13,253	$41,968
689	1993	81.4	6	PVC	18	75	57	$18,179	$242	$4,363	$13,816
690	1993	260.6	8	PVC	18	75	57	$65,454	$873	$15,709	$49,745
691	1993	209.8	8	PVC	18	75	57	$52,689	$703	$12,645	$40,044
692	1994	175.1	6	PVC	17	75	58	$39,078	$521	$8,858	$30,221
693	1994	498.9	8	PVC	17	75	58	$125,305	$1,671	$28,402	$96,903
694	1994	203.9	6	PVC	17	75	58	$45,527	$607	$10,319	$35,207
695	1994	164.9	8	PVC	17	75	58	$41,411	$552	$9,386	$32,024
696	1994	240.9	8	PVC	17	75	58	$60,497	$807	$13,713	$46,784
697	1990	128.2	8	PVC	21	75	54	$32,209	$429	$9,018	$23,190
698	1994	328.1	8	PVC	17	75	58	$82,398	$1,099	$18,677	$63,721
699	1994	423.6	8	PVC	17	75	58	$106,392	$1,419	$24,115	$82,276
700	1993	280.9	8	PVC	18	75	57	$70,551	$941	$16,932	$53,619
701	1993	173.8	6	PVC	18	75	57	$38,801	$517	$9,312	$29,489
702	1993	263.3	8	PVC	18	75	57	$66,127	$882	$15,870	$50,256
703	1993	88.0	8	PVC	18	75	57	$22,092	$295	$5,302	$16,790
704	2002	363.8	8	PVC	9	75	66	$91,379	$1,218	$10,965	$80,413
705	2000	356.1	8	PVC	11	75	64	$89,441	$1,193	$13,118	$76,323
706	2000	457.3	8	PVC	11	75	64	$114,860	$1,531	$16,846	$98,014
707	2002	430.1	6	PVC	9	75	66	$96,026	$1,280	$11,523	$84,503
708	2000	276.3	8	PVC	11	75	64	$69,385	$925	$10,176	$59,208
709	2000	325.5	8	PVC	11	75	64	$81,753	$1,090	$11,990	$69,762
710	2000	196.0	8	PVC	11	75	64	$49,230	$656	$7,220	$42,009
711	2002	125.8	8	PVC	9	75	66	$31,582	$421	$3,790	$27,792
712	2002	214.8	8	PVC	9	75	66	$53,948	$719	$6,474	$47,475
713	1994	245.0	6	PVC	17	75	58	$54,701	$729	$12,399	$42,302
714	1994	329.8	8	PVC	17	75	58	$82,831	$1,104	$18,775	$64,056
715	1994	245.4	8	PVC	17	75	58	$61,632	$822	$13,970	$47,662
716	1988	391.4	8	PVC	23	75	52	$98,288	$1,311	$30,142	$68,146
717	1988	144.5	6	PVC	23	75	52	$32,254	$430	$9,891	$22,363
718	1990	310.8	8	PVC	21	75	54	$78,052	$1,041	$21,855	$56,197
719	1990	176.3	8	PVC	21	75	54	$44,268	$590	$12,395	$31,873
720	1990	129.6	8	PVC	21	75	54	$32,545	$434	$9,113	$23,432
721	1990	127.5	8	PVC	21	75	54	$32,014	$427	$8,964	$23,050
722	1990	350.4	8	PVC	21	75	54	$87,999	$1,173	$24,640	$63,360
723	1990	111.5	8	PVC	21	75	54	$28,007	$373	$7,842	$20,165
724	1990	223.2	8	PVC	21	75	54	$56,066	$748	$15,699	$40,368
725	1990	261.9	8	PVC	21	75	54	$65,772	$877	$18,416	$47,356
726	2002	291.2	8	PVC	9	75	66	$73,123	$975	$8,775	$64,348
727	2002	324.6	8	PVC	9	75	66	$81,514	$1,087	$9,782	$71,732
728	2002	250.4	8	PVC	9	75	66	$62,894	$839	$7,547	$55,347
729	2003	448.0	8	PVC	8	75	67	$112,521	$1,500	$12,002	$100,519
730	2003	187.0	8	PVC	8	75	67	$46,956	$626	$5,009	$41,947
731	2003	420.4	8	PVC	8	75	67	$105,575	$1,408	$11,261	$94,314
732	1990	177.1	8	PVC	21	75	54	$44,488	$593	$12,457	$32,031
737	1985	101.0	8	PVC	26	75	49	$25,354	$338	$8,790	$16,565
741	1968	359.2	8	PVC	43	75	32	$90,222	$1,203	$51,727	$38,495
751	1959	205.1	8	PVC	52	75	23	$51,506	$687	$35,711	$15,795
752	1959	368.9	8	PVC	52	75	23	$92,649	$1,235	$64,236	$28,412
755	1985	293.7	6	PVC	26	75	49	$65,575	$874	$22,733	$42,842
756	1985	59.3	6	PVC	26	75	49	$13,239	$177	$4,590	$8,649
757	2004	724.7	4	PVC	7	75	68	$142,400	$1,899	$13,291	$129,109
758	2004	47.7	8	PVC	7	75	68	$11,990	$160	$1,119	$10,871
760	1968	144.4	6	PVC	43	75	32	$32,227	$430	$18,477	$13,750
761	1968	256.5	6	PVC	43	75	32	$57,250	$763	$32,823	$24,427

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
762	1983	374.7	8	PVC	28	75	47	$94,115	$1,255	$35,136	$58,978
763	1983	191.3	8	PVC	28	75	47	$48,055	$641	$17,941	$30,115
764	1983	238.2	8	PVC	28	75	47	$59,817	$798	$22,332	$37,485
765	1983	303.3	8	PVC	28	75	47	$76,174	$1,016	$28,438	$47,736
766	1983	136.2	8	PVC	28	75	47	$34,216	$456	$12,774	$21,442
767	1989	310.5	8	PVC	22	75	53	$77,978	$1,040	$22,873	$55,104
768	1968	187.9	8	PVC	43	75	32	$47,203	$629	$27,063	$20,140
775	1963	41.4	6	PVC	48	75	27	$9,245	$123	$5,917	$3,328
777	1989	187.6	8	PVC	22	75	53	$47,113	$628	$13,820	$33,293
778	1989	359.9	8	PVC	22	75	53	$90,375	$1,205	$26,510	$63,865
779	1992	231.3	8	PVC	19	75	56	$58,089	$775	$14,716	$43,373
780	1992	107.1	8	PVC	19	75	56	$26,904	$359	$6,816	$20,088
781	2003	310.1	8	PVC	8	75	67	$77,881	$1,038	$8,307	$69,574
784	2001	318.0	6	PVC	10	75	65	$70,987	$946	$9,465	$61,522
785	2001	47.7	6	PVC	10	75	65	$10,656	$142	$1,421	$9,235
803	1968	217.9	6	PVC	43	75	32	$48,649	$649	$27,892	$20,757
811	2003	446.1	8	PVC	8	75	67	$112,040	$1,494	$11,951	$100,089
813	2003	385.0	8	PVC	8	75	67	$96,698	$1,289	$10,314	$86,384
815	2003	311.0	6	PVC	8	75	67	$69,428	$926	$7,406	$62,023
816	1963	90.3	6	PVC	48	75	27	$20,152	$269	$12,897	$7,255
817	1963	375.5	8	PVC	48	75	27	$94,300	$1,257	$60,352	$33,948
821	1956	175.7	8	PVC	55	75	20	$44,115	$588	$32,351	$11,764
822	1956	202.7	8	PVC	55	75	20	$50,902	$679	$37,328	$13,574
823	1956	103.9	8	PVC	55	75	20	$26,091	$348	$19,134	$6,958
831	1963	190.1	8	PVC	48	75	27	$47,740	$637	$30,553	$17,186
832	1963	185.8	8	PVC	48	75	27	$46,667	$622	$29,867	$16,800
834	1963	350.7	6	PVC	48	75	27	$78,280	$1,044	$50,099	$28,181
835	1963	298.4	6	PVC	48	75	27	$66,604	$888	$42,626	$23,977
836	2003	194.0	6	PVC	8	75	67	$43,319	$578	$4,621	$38,699
839	1963	188.4	6	PVC	48	75	27	$42,064	$561	$26,921	$15,143
843	1987	202.5	6	PVC	24	75	51	$45,199	$603	$14,464	$30,736
844	2003	378.8	8	PVC	8	75	67	$95,144	$1,269	$10,149	$84,996
847	1996	183.3	12	PVC	15	75	60	$57,748	$770	$11,550	$46,198
848	1996	47.0	6	PVC	15	75	60	$10,497	$140	$2,099	$8,398
850	1996	191.6	12	PVC	15	75	60	$60,379	$805	$12,076	$48,303
854	1970	127.1	15	PVC	41	75	34	$46,259	$617	$25,288	$20,971
855	1963	322.2	8	PVC	48	75	27	$80,915	$1,079	$51,786	$29,129
856	1963	129.3	6	PVC	48	75	27	$28,874	$385	$18,480	$10,395
860	1963	239.0	8	PVC	48	75	27	$60,026	$800	$38,416	$21,609
864	2003	289.7	6	PVC	8	75	67	$64,675	$862	$6,899	$57,777
865	2003	383.1	6	PVC	8	75	67	$85,527	$1,140	$9,123	$76,405
866	1963	180.6	6	PVC	48	75	27	$40,313	$538	$25,800	$14,513
867	2003	185.4	6	PVC	8	75	67	$41,394	$552	$4,415	$36,978
879	2003	376.4	8	PVC	8	75	67	$94,542	$1,261	$10,084	$84,458
880	1963	378.8	8	PVC	48	75	27	$95,125	$1,268	$60,880	$34,245
882	1997	123.5	8	PVC	14	75	61	$31,008	$413	$5,788	$25,220
887	1990	450.2	8	PVC	21	75	54	$113,075	$1,508	$31,661	$81,414
893	1979	426.6	8	PVC	32	75	43	$107,140	$1,429	$45,713	$61,427
894	1979	424.9	8	PVC	32	75	43	$106,700	$1,423	$45,525	$61,175
895	1979	237.1	8	PVC	32	75	43	$59,542	$794	$25,405	$34,137
896	1980	258.5	8	PVC	31	75	44	$64,929	$866	$26,837	$38,092
897	1980	415.6	8	PVC	31	75	44	$104,373	$1,392	$43,141	$61,232
899	1985	133.1	10	PVC	26	75	49	$37,596	$501	$13,033	$24,563
901	1985	159.7	8	PVC	26	75	49	$40,110	$535	$13,905	$26,205
902	1982	459.6	12	PVC	29	75	46	$144,804	$1,931	$55,991	$88,813
903	1987	301.6	8	PVC	24	75	51	$75,752	$1,010	$24,241	$51,511
904	1985	208.6	6	PVC	26	75	49	$46,557	$621	$16,140	$30,417
905	1985	248.9	8	PVC	26	75	49	$62,510	$833	$21,670	$40,840
906	1986	148.8	8	PVC	25	75	50	$37,363	$498	$12,454	$24,908
907	1987	146.8	6	PVC	24	75	51	$32,777	$437	$10,489	$22,288
909	1986	105.4	8	PVC	25	75	50	$26,481	$353	$8,827	$17,654
910	1986	268.6	8	PVC	25	75	50	$67,450	$899	$22,483	$44,966
911	1988	243.9	8	PVC	23	75	52	$61,246	$817	$18,782	$42,464
912	1988	243.7	8	PVC	23	75	52	$61,192	$816	$18,766	$42,427
913	1999	423.1	8	PVC	12	75	63	$106,255	$1,417	$17,001	$89,254
914	1988	333.4	8	PVC	23	75	52	$83,737	$1,116	$25,679	$58,058
915	1988	282.1	8	PVC	23	75	52	$70,859	$945	$21,730	$49,129
916	1988	171.9	8	PVC	23	75	52	$43,168	$576	$13,238	$29,930
918	1989	503.2	18	PVC	22	75	53	$215,297	$2,871	$63,154	$152,143
919	1989	201.0	18	PVC	22	75	53	$86,019	$1,147	$25,232	$60,787
920	1989	493.2	18	PVC	22	75	53	$211,046	$2,814	$61,907	$149,139
921	1990	196.8	18	PVC	21	75	54	$84,196	$1,123	$23,575	$60,621
922	1980	368.7	8	PVC	31	75	44	$92,589	$1,235	$38,270	$54,319
923	1980	197.2	6	PVC	31	75	44	$44,013	$587	$18,192	$25,821

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
924	1979	272.8	8	PVC	32	75	43	$68,518	$914	$29,234	$39,284
925	1979	270.7	8	PVC	32	75	43	$67,996	$907	$29,012	$38,984
927	1979	257.6	8	PVC	32	75	43	$64,693	$863	$27,602	$37,090
928	1979	204.9	8	PVC	32	75	43	$51,453	$686	$21,953	$29,500
929	1979	461.7	8	PVC	32	75	43	$115,951	$1,546	$49,472	$66,479
930	1979	345.7	8	PVC	32	75	43	$86,820	$1,158	$37,043	$49,777
931	1980	339.7	8	PVC	31	75	44	$85,308	$1,137	$35,261	$50,047
932	1981	341.4	8	PVC	30	75	45	$85,741	$1,143	$34,297	$51,445
933	1981	260.5	8	PVC	30	75	45	$65,430	$872	$26,172	$39,258
934	1980	123.1	8	PVC	31	75	44	$30,905	$412	$12,774	$18,131
935	1980	385.5	8	PVC	31	75	44	$96,811	$1,291	$40,015	$56,796
936	1980	368.3	8	PVC	31	75	44	$92,496	$1,233	$38,232	$54,264
937	1980	339.8	8	PVC	31	75	44	$85,347	$1,138	$35,277	$50,070
938	1980	215.8	8	PVC	31	75	44	$54,208	$723	$22,406	$31,802
939	1985	92.8	8	PVC	26	75	49	$23,297	$311	$8,076	$15,221
940	1985	329.9	8	PVC	26	75	49	$82,844	$1,105	$28,719	$54,125
941	1999	400.1	8	PVC	12	75	63	$100,485	$1,340	$16,078	$84,407
942	1985	218.2	10	PVC	26	75	49	$61,649	$822	$21,372	$40,278
943	1985	319.0	10	PVC	26	75	49	$90,122	$1,202	$31,242	$58,880
944	1985	271.5	10	PVC	26	75	49	$76,698	$1,023	$26,589	$50,110
945	1985	130.0	10	PVC	26	75	49	$36,731	$490	$12,733	$23,997
946	1985	134.5	8	PVC	26	75	49	$33,785	$450	$11,712	$22,073
947	1985	101.5	8	PVC	26	75	49	$25,485	$340	$8,835	$16,650
948	1985	255.9	8	PVC	26	75	49	$64,276	$857	$22,282	$41,994
949	1989	501.6	18	PVC	22	75	53	$214,609	$2,861	$62,952	$151,657
950	1984	365.6	8	PVC	27	75	48	$91,812	$1,224	$33,052	$58,760
951	1984	275.9	10	PVC	27	75	48	$77,947	$1,039	$28,061	$49,886
952	1984	267.5	10	PVC	27	75	48	$75,577	$1,008	$27,208	$48,369
953	1984	271.1	10	PVC	27	75	48	$76,592	$1,021	$27,573	$49,019
954	1984	304.3	10	PVC	27	75	48	$85,962	$1,146	$30,946	$55,016
955	1986	478.9	10	PVC	25	75	50	$135,306	$1,804	$45,102	$90,204
958	1987	285.5	8	PVC	24	75	51	$71,692	$956	$22,941	$48,750
959	1987	236.8	8	PVC	24	75	51	$59,479	$793	$19,033	$40,445
960	1985	403.4	8	PVC	26	75	49	$101,323	$1,351	$35,125	$66,198
961	1987	176.6	8	PVC	24	75	51	$44,346	$591	$14,191	$30,155
968	1990	308.8	8	PVC	21	75	54	$77,555	$1,034	$21,715	$55,840
977	1978	162.0	12	PVC	33	75	42	$51,050	$681	$22,462	$28,588
979	1978	406.2	12	PVC	33	75	42	$127,977	$1,706	$56,310	$71,667
980	1978	274.9	12	PVC	33	75	42	$86,620	$1,155	$38,113	$48,507
998	1979	391.5	8	PVC	32	75	43	$98,333	$1,311	$41,955	$56,377
999	1980	374.7	8	PVC	31	75	44	$94,112	$1,255	$38,900	$55,212
1000	1980	272.2	12	PVC	31	75	44	$85,776	$1,144	$35,454	$50,322
1001	1980	169.3	12	PVC	31	75	44	$53,345	$711	$22,049	$31,296
1003	1988	298.1	8	PVC	23	75	52	$74,871	$998	$22,960	$51,911
1004	1988	359.5	8	PVC	23	75	52	$90,282	$1,204	$27,686	$62,595
1005	1986	233.4	8	PVC	25	75	50	$58,620	$782	$19,540	$39,080
1006	1986	261.5	8	PVC	25	75	50	$65,671	$876	$21,890	$43,780
1008	1987	326.4	6	PVC	24	75	51	$72,873	$972	$23,319	$49,554
1009	2003	310.1	8	PVC	8	75	67	$77,883	$1,038	$8,308	$69,576
1010	2003	457.8	8	PVC	8	75	67	$114,982	$1,533	$12,265	$102,717
1011	2003	131.7	8	PVC	8	75	67	$33,082	$441	$3,529	$29,554
1013	1980	262.2	12	PVC	31	75	44	$82,627	$1,102	$34,153	$48,475
1014	1985	241.2	8	PVC	26	75	49	$60,572	$808	$20,998	$39,574
1015	1985	356.5	8	PVC	26	75	49	$89,542	$1,194	$31,041	$58,501
1016	1984	259.0	8	PVC	27	75	48	$65,044	$867	$23,416	$41,628
1017	1984	198.8	6	PVC	27	75	48	$44,370	$592	$15,973	$28,397
1018	1980	328.9	8	PVC	31	75	44	$82,609	$1,101	$34,145	$48,464
1019	1985	228.6	8	PVC	26	75	49	$57,411	$765	$19,903	$37,509
1020	1980	280.1	12	PVC	31	75	44	$88,269	$1,177	$36,485	$51,785
1021	1985	328.7	8	PVC	26	75	49	$82,540	$1,101	$28,614	$53,926
1022	1985	119.1	6	PVC	26	75	49	$26,588	$355	$9,217	$17,371
1023	1989	324.5	21	PVC	22	75	53	$161,876	$2,158	$47,484	$114,392
1024	1989	372.1	21	PVC	22	75	53	$185,613	$2,475	$54,447	$131,167
1025	1988	436.6	8	PVC	23	75	52	$109,647	$1,462	$33,625	$76,022
1026	1988	362.3	8	PVC	23	75	52	$90,996	$1,213	$27,905	$63,090
1027	1988	282.6	8	PVC	23	75	52	$70,969	$946	$21,764	$49,205
1028	1988	211.1	8	PVC	23	75	52	$53,010	$707	$16,256	$36,754
1029	1988	1472.1	6	PVC	23	75	52	$328,628	$4,382	$100,779	$227,849
1032	2002	433.1	6	PVC	9	75	66	$96,686	$1,289	$11,602	$85,083
1033	1963	181.3	8	PVC	48	75	27	$45,538	$607	$29,144	$16,394
1034	1963	150.9	8	PVC	48	75	27	$37,885	$505	$24,247	$13,639
1035	1963	38.1	8	PVC	48	75	27	$9,566	$128	$6,122	$3,444
1036	1963	192.2	8	PVC	48	75	27	$48,271	$644	$30,894	$17,378
1037	2003	191.2	8	PVC	8	75	67	$48,015	$640	$5,122	$42,894

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1038	2003	377.8	8	PVC	8	75	67	$94,885	$1,265	$10,121	$84,764
1039	2003	190.3	8	PVC	8	75	67	$47,793	$637	$5,098	$42,695
1040	1963	189.3	8	PVC	48	75	27	$47,548	$634	$30,430	$17,117
1041	1996	103.3	8	PVC	15	75	60	$25,931	$346	$5,186	$20,745
1043	2003	241.7	8	PVC	8	75	67	$60,705	$809	$6,475	$54,229
1045	1996	385.2	12	PVC	15	75	60	$121,388	$1,619	$24,278	$97,110
1046	1996	387.4	12	PVC	15	75	60	$122,076	$1,628	$24,415	$97,660
1052	1956	245.3	8	PVC	55	75	20	$61,603	$821	$45,175	$16,427
1053	1963	326.6	8	PVC	48	75	27	$82,012	$1,093	$52,488	$29,524
1054	1956	379.2	6	PVC	55	75	20	$84,645	$1,129	$62,073	$22,572
1055	1998	183.5	6	PVC	13	75	62	$40,959	$546	$7,100	$33,860
1056	1997	213.1	10	PVC	14	75	61	$60,212	$803	$11,239	$48,972
1057	1983	338.7	8	PVC	28	75	47	$85,075	$1,134	$31,761	$53,314
1058	1983	372.6	8	PVC	28	75	47	$93,569	$1,248	$34,932	$58,636
1059	1983	356.8	8	PVC	28	75	47	$89,617	$1,195	$33,457	$56,160
1060	2004	485.7	8	PVC	7	75	68	$121,976	$1,626	$11,384	$110,591
1061	2004	306.8	8	PVC	7	75	68	$77,052	$1,027	$7,192	$69,860
1062	2004	228.6	8	PVC	7	75	68	$57,409	$765	$5,358	$52,051
1063	2004	269.5	8	PVC	7	75	68	$67,690	$903	$6,318	$61,372
1064	2004	330.4	8	PVC	7	75	68	$82,985	$1,106	$7,745	$75,239
1065	2001	206.6	8	PVC	10	75	65	$51,876	$692	$6,917	$44,959
1066	2004	266.0	8	PVC	7	75	68	$66,797	$891	$6,234	$60,562
1067	2003	362.8	8	PVC	8	75	67	$91,119	$1,215	$9,719	$81,399
1068	2003	174.1	8	PVC	8	75	67	$43,734	$583	$4,665	$39,069
1069	2003	186.1	8	PVC	8	75	67	$46,747	$623	$4,986	$41,760
1070	2003	184.4	8	PVC	8	75	67	$46,300	$617	$4,939	$41,361
1071	2003	388.6	8	PVC	8	75	67	$97,592	$1,301	$10,410	$87,182
1072	2003	360.1	8	PVC	8	75	67	$90,441	$1,206	$9,647	$80,794
1073	2003	274.8	8	PVC	8	75	67	$69,017	$920	$7,362	$61,655
1074	2003	344.8	8	PVC	8	75	67	$86,591	$1,155	$9,236	$77,355
1075	2003	450.1	8	PVC	8	75	67	$113,052	$1,507	$12,059	$100,993
1076	2003	385.5	8	PVC	8	75	67	$96,828	$1,291	$10,328	$86,499
1077	1981	288.7	8	PVC	30	75	45	$72,501	$967	$29,000	$43,501
1078	1981	335.6	6	PVC	30	75	45	$74,927	$999	$29,971	$44,956
1079	1979	336.1	8	PVC	32	75	43	$84,405	$1,125	$36,013	$48,392
1080	1986	168.7	8	PVC	25	75	50	$42,372	$565	$14,124	$28,248
1081	1986	199.6	8	PVC	25	75	50	$50,125	$668	$16,708	$33,417
1082	1986	44.3	8	PVC	25	75	50	$11,115	$148	$3,705	$7,410
1083	1985	248.6	8	PVC	26	75	49	$62,424	$832	$21,640	$40,784
1084	1985	195.8	8	PVC	26	75	49	$49,178	$656	$17,048	$32,129
1085	1986	153.4	8	PVC	25	75	50	$38,538	$514	$12,846	$25,692
1086	1987	73.3	6	PVC	24	75	51	$16,371	$218	$5,239	$11,132
1087	1987	159.1	8	PVC	24	75	51	$39,949	$533	$12,784	$27,165
1088	1987	247.0	8	PVC	24	75	51	$62,027	$827	$19,849	$42,178
1089	1987	237.7	8	PVC	24	75	51	$59,698	$796	$19,103	$40,595
1090	1987	359.6	6	PVC	24	75	51	$80,278	$1,070	$25,689	$54,589
1091	1987	162.4	6	PVC	24	75	51	$36,260	$483	$11,603	$24,657
1092	1987	269.2	8	PVC	24	75	51	$67,606	$901	$21,634	$45,972
1093	1986	439.3	6	PVC	25	75	50	$98,071	$1,308	$32,690	$65,381
1094	1962	154.3	6	PVC	49	75	26	$34,449	$459	$22,507	$11,942
1095	1962	225.7	6	PVC	49	75	26	$50,383	$672	$32,917	$17,466
1114	1982	297.4	10	PVC	29	75	46	$84,038	$1,121	$32,495	$51,543
1115	1982	310.1	10	PVC	29	75	46	$87,629	$1,168	$33,883	$53,746
1116	1982	299.1	10	PVC	29	75	46	$84,498	$1,127	$32,673	$51,826
1117	1982	335.4	8	PVC	29	75	46	$84,226	$1,123	$32,567	$51,658
1118	1982	186.2	10	PVC	29	75	46	$52,601	$701	$20,339	$32,262
1119	1982	308.0	10	PVC	29	75	46	$87,016	$1,160	$33,646	$53,370
1120	1982	508.6	8	PVC	29	75	46	$127,737	$1,703	$49,392	$78,345
1121	1987	468.6	8	PVC	24	75	51	$117,684	$1,569	$37,659	$80,025
1122	1991	261.3	8	PVC	20	75	55	$65,632	$875	$17,502	$48,130
1123	1991	51.8	8	PVC	20	75	55	$13,001	$173	$3,467	$9,534
1124	1987	256.4	8	PVC	24	75	51	$64,402	$859	$20,609	$43,793
1125	1987	148.5	8	PVC	24	75	51	$37,290	$497	$11,933	$25,357
1126	1987	50.6	6	PVC	24	75	51	$11,302	$151	$3,617	$7,685
1149	2002	95.7	6	PVC	9	75	66	$21,371	$285	$2,564	$18,806
1150	2002	327.6	8	PVC	9	75	66	$82,283	$1,097	$9,874	$72,409
1151	2002	142.4	8	PVC	9	75	66	$35,775	$477	$4,293	$31,482
1152	2002	426.6	8	PVC	9	75	66	$107,143	$1,429	$12,857	$94,286
1153	2002	197.5	6	PVC	9	75	66	$44,083	$588	$5,290	$38,793
1154	2004	451.9	8	PVC	7	75	68	$113,481	$1,513	$10,592	$102,889
1155	2004	190.3	6	PVC	7	75	68	$42,487	$566	$3,965	$38,521
1156	2004	163.3	6	PVC	7	75	68	$36,457	$486	$3,403	$33,054
1157	2004	136.1	6	PVC	7	75	68	$30,388	$405	$2,836	$27,551
1158	2004	99.2	6	PVC	7	75	68	$22,145	$295	$2,067	$20,078

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Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1159	2004	227.1	8	PVC	7	75	68	$57,035	$760	$5,323	$51,711
1160	2004	210.6	8	PVC	7	75	68	$52,889	$705	$4,936	$47,953
1161	2004	323.5	8	PVC	7	75	68	$81,240	$1,083	$7,582	$73,657
1162	2004	329.1	8	PVC	7	75	68	$82,643	$1,102	$7,713	$74,930
1163	2004	285.6	8	PVC	7	75	68	$71,715	$956	$6,693	$65,022
1164	2004	230.2	8	PVC	7	75	68	$57,811	$771	$5,396	$52,415
1165	2004	194.1	8	PVC	7	75	68	$48,740	$650	$4,549	$44,191
1166	2004	466.6	8	PVC	7	75	68	$117,184	$1,562	$10,937	$106,247
1167	2004	384.6	8	PVC	7	75	68	$96,602	$1,288	$9,016	$87,586
1168	2004	124.3	8	PVC	7	75	68	$31,225	$416	$2,914	$28,310
1169	2004	293.5	8	PVC	7	75	68	$73,702	$983	$6,879	$66,823
1170	2004	170.4	8	PVC	7	75	68	$42,786	$570	$3,993	$38,792
1171	2004	120.2	8	PVC	7	75	68	$30,177	$402	$2,817	$27,361
1172	2004	103.6	6	PVC	7	75	68	$23,133	$308	$2,159	$20,974
1174	2004	139.0	6	PVC	7	75	68	$31,021	$414	$2,895	$28,126
1175	2004	104.4	6	PVC	7	75	68	$23,296	$311	$2,174	$21,122
1176	2004	143.1	6	PVC	7	75	68	$31,940	$426	$2,981	$28,959
1177	2004	72.5	6	PVC	7	75	68	$16,182	$216	$1,510	$14,672
1178	2004	108.5	6	PVC	7	75	68	$24,229	$323	$2,261	$21,967
1179	1999	245.1	10	PVC	12	75	63	$69,251	$923	$11,080	$58,171
1180	1999	467.8	10	PVC	12	75	63	$132,178	$1,762	$21,149	$111,030
1181	1999	305.2	8	PVC	12	75	63	$76,649	$1,022	$12,264	$64,385
1205	1977	380.7	8	PVC	34	75	41	$95,599	$1,275	$43,338	$52,261
1207	2000	244.6	8	PVC	11	75	64	$61,433	$819	$9,010	$52,423
1208	2000	128.2	8	PVC	11	75	64	$32,186	$429	$4,721	$27,466
1209	2000	198.9	8	PVC	11	75	64	$49,952	$666	$7,326	$42,626
1210	2000	160.4	8	PVC	11	75	64	$40,293	$537	$5,910	$34,384
1211	2002	339.4	8	PVC	9	75	66	$85,240	$1,137	$10,229	$75,011
1212	2000	252.9	8	PVC	11	75	64	$63,504	$847	$9,314	$54,190
1213	2000	77.3	8	PVC	11	75	64	$19,407	$259	$2,846	$16,560
1214	2000	147.7	8	PVC	11	75	64	$37,100	$495	$5,441	$31,658
1215	2000	347.7	8	PVC	11	75	64	$87,335	$1,164	$12,809	$74,526
1216	2003	644.1	8	PVC	8	75	67	$161,756	$2,157	$17,254	$144,502
1217	2003	427.6	8	PVC	8	75	67	$107,390	$1,432	$11,455	$95,935
1218	1982	449.0	6	PVC	29	75	46	$100,240	$1,337	$38,760	$61,481
1227	1986	216.0	8	PVC	25	75	50	$54,235	$723	$18,078	$36,157
1228	1968	151.8	8	PVC	43	75	32	$38,133	$508	$21,863	$16,270
1229	1986	270.7	8	PVC	25	75	50	$67,973	$906	$22,658	$45,315
1230	1986	293.5	8	PVC	25	75	50	$73,722	$983	$24,574	$49,148
1231	1986	345.1	8	PVC	25	75	50	$86,678	$1,156	$28,893	$57,785
1232	1986	152.4	8	PVC	25	75	50	$38,266	$510	$12,755	$25,510
1233	1986	221.1	6	PVC	25	75	50	$49,360	$658	$16,453	$32,907
1234	1989	265.9	6	PVC	22	75	53	$59,352	$791	$17,410	$41,942
1235	1989	46.8	8	PVC	22	75	53	$11,761	$157	$3,450	$8,311
1236	1989	255.6	6	PVC	22	75	53	$57,059	$761	$16,737	$40,322
1237	1989	107.8	8	PVC	22	75	53	$27,065	$361	$7,939	$19,126
1238	1989	351.1	8	PVC	22	75	53	$88,177	$1,176	$25,865	$62,312
1239	1989	85.1	8	PVC	22	75	53	$21,363	$285	$6,266	$15,097
1240	2002	50.9	8	PVC	9	75	66	$12,793	$171	$1,535	$11,258
1248	1968	201.5	6	PVC	43	75	32	$44,983	$600	$25,790	$19,193
1251	1968	170.2	6	PVC	43	75	32	$37,985	$506	$21,778	$16,207
1253	1968	82.0	8	PVC	43	75	32	$20,603	$275	$11,813	$8,791
1257	1977	300.7	6	PVC	34	75	41	$67,139	$895	$30,436	$36,703
1262	2003	169.1	8	PVC	8	75	67	$42,477	$566	$4,531	$37,946
1263	2003	201.3	8	PVC	8	75	67	$50,550	$674	$5,392	$45,158
1265	1968	118.5	6	PVC	43	75	32	$26,445	$353	$15,162	$11,283
1275	2003	192.4	8	PVC	8	75	67	$48,321	$644	$5,154	$43,167
1279	2003	383.3	8	PVC	8	75	67	$96,273	$1,284	$10,269	$86,004
1280	1991	274.3	6	PVC	20	75	55	$61,241	$817	$16,331	$44,910
1281	1991	97.1	6	PVC	20	75	55	$21,672	$289	$5,779	$15,893
1282	1978	59.5	6	PVC	33	75	42	$13,278	$177	$5,842	$7,436
1283	1978	23.5	8	PVC	33	75	42	$5,904	$79	$2,598	$3,306
1285	1980	420.3	12	PVC	31	75	44	$132,436	$1,766	$54,740	$77,696
1286	1980	191.9	12	PVC	31	75	44	$60,465	$806	$24,992	$35,473
1287	1980	128.2	12	PVC	31	75	44	$40,390	$539	$16,695	$23,696
1288	1980	237.7	12	PVC	31	75	44	$74,910	$999	$30,963	$43,947
1290	1991	296.0	6	PVC	20	75	55	$66,086	$881	$17,623	$48,463
1291	1991	298.8	6	PVC	20	75	55	$66,701	$889	$17,787	$48,914
1292	1991	154.1	6	PVC	20	75	55	$34,399	$459	$9,173	$25,226
1294	1991	220.1	8	PVC	20	75	55	$55,284	$737	$14,742	$40,541
1295	1991	177.3	6	PVC	20	75	55	$39,587	$528	$10,557	$29,031
1296	1991	237.6	6	PVC	20	75	55	$53,045	$707	$14,145	$38,900
1297	1991	161.2	6	PVC	20	75	55	$35,983	$480	$9,596	$26,388
1298	1989	285.7	27	PVC	22	75	53	$180,377	$2,405	$52,910	$127,466

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Wastewater Collection System
Pipeline Asset Values

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1299	1989	231.0	27	PVC	22	75	53	$145,856	$1,945	$42,785	$103,072
1303	1988	64.2	6	PVC	23	75	52	$14,342	$191	$4,398	$9,944
1305	1988	90.3	12	PVC	23	75	52	$28,466	$380	$8,730	$19,736
1306	2000	164.5	8	PVC	11	75	64	$41,306	$551	$6,058	$35,248
1307	2002	262.7	8	PVC	9	75	66	$65,987	$880	$7,918	$58,068
1308	2002	365.6	8	PVC	9	75	66	$91,810	$1,224	$11,017	$80,792
1309	2002	293.0	8	PVC	9	75	66	$73,585	$981	$8,830	$64,755
1310	2002	199.6	8	PVC	9	75	66	$50,122	$668	$6,015	$44,107
1311	2002	257.2	8	PVC	9	75	66	$64,604	$861	$7,752	$56,851
1312	1983	175.0	8	PVC	28	75	47	$43,950	$586	$16,408	$27,542
1313	1983	185.5	8	PVC	28	75	47	$46,595	$621	$17,395	$29,199
1314	1983	385.7	8	PVC	28	75	47	$96,864	$1,292	$36,163	$60,701
1315	1983	423.8	8	PVC	28	75	47	$106,424	$1,419	$39,732	$66,692
1316	1983	386.6	8	PVC	28	75	47	$97,100	$1,295	$36,251	$60,849
1317	1983	383.3	8	PVC	28	75	47	$96,264	$1,284	$35,939	$60,326
1318	1983	360.9	8	PVC	28	75	47	$90,630	$1,208	$33,835	$56,795
1319	1983	157.2	8	PVC	28	75	47	$39,487	$526	$14,742	$24,745
1320	1983	119.3	8	PVC	28	75	47	$29,956	$399	$11,184	$18,772
1321	1983	114.4	6	PVC	28	75	47	$25,534	$340	$9,533	$16,002
1322	1983	35.5	6	PVC	28	75	47	$7,916	$106	$2,955	$4,961
1323	1983	90.5	6	PVC	28	75	47	$20,202	$269	$7,542	$12,660
1324	1983	55.6	6	PVC	28	75	47	$12,421	$166	$4,637	$7,784
1325	1983	195.9	8	PVC	28	75	47	$49,206	$656	$18,370	$30,836
1333	1977	230.5	8	PVC	34	75	41	$57,888	$772	$26,243	$31,646
1334	1977	280.2	8	PVC	34	75	41	$70,365	$938	$31,899	$38,466
1335	1977	208.4	6	PVC	34	75	41	$46,513	$620	$21,086	$25,427
1336	1977	330.6	8	PVC	34	75	41	$83,023	$1,107	$37,637	$45,386
1337	1977	250.0	8	PVC	34	75	41	$62,797	$837	$28,468	$34,329
1338	1977	123.0	8	PVC	34	75	41	$30,879	$412	$13,999	$16,881
1339	1977	116.2	6	PVC	34	75	41	$25,935	$346	$11,757	$14,178
1340	1977	413.2	8	PVC	34	75	41	$103,770	$1,384	$47,042	$56,728
1341	1977	470.8	8	PVC	34	75	41	$118,243	$1,577	$53,604	$64,640
1342	1977	381.4	8	PVC	34	75	41	$95,781	$1,277	$43,421	$52,361
1343	1977	65.0	8	PVC	34	75	41	$16,325	$218	$7,401	$8,924
1344	1977	249.7	8	PVC	34	75	41	$62,706	$836	$28,427	$34,279
1345	1977	546.7	8	PVC	34	75	41	$137,289	$1,831	$62,238	$75,051
1346	1977	286.4	8	PVC	34	75	41	$71,919	$959	$32,603	$39,316
1349	1974	163.4	8	PVC	37	75	38	$41,028	$547	$20,240	$20,787
1353	1985	185.0	6	PVC	26	75	49	$41,290	$551	$14,314	$26,976
1354	1983	299.2	8	PVC	28	75	47	$75,146	$1,002	$28,054	$47,091
1355	1983	248.1	8	PVC	28	75	47	$62,298	$831	$23,258	$39,040
1356	1983	203.2	8	PVC	28	75	47	$51,041	$681	$19,055	$31,986
1357	1983	112.0	8	PVC	28	75	47	$28,117	$375	$10,497	$17,620
1358	1983	295.1	8	PVC	28	75	47	$74,106	$988	$27,666	$46,440
1359	1977	159.0	8	PVC	34	75	41	$39,937	$532	$18,105	$21,832
1360	1980	291.3	8	PVC	31	75	44	$73,147	$975	$30,234	$42,913
1361	1995	192.8	8	PVC	16	75	59	$48,416	$646	$10,329	$38,088
1362	1995	127.0	8	PVC	16	75	59	$31,890	$425	$6,803	$25,087
1363	1995	321.0	8	PVC	16	75	59	$80,628	$1,075	$17,201	$63,427
1364	1998	405.9	8	PVC	13	75	62	$101,950	$1,359	$17,671	$84,279
1368	1985	208.4	6	PVC	26	75	49	$46,522	$620	$16,128	$30,395
1369	1985	269.4	8	PVC	26	75	49	$67,670	$902	$23,459	$44,211
1370	1985	275.9	8	PVC	26	75	49	$69,296	$924	$24,023	$45,273
1371	1985	357.3	8	PVC	26	75	49	$89,744	$1,197	$31,111	$58,633
1372	1986	443.8	8	PVC	25	75	50	$111,462	$1,486	$37,154	$74,308
1373	1987	249.2	8	PVC	24	75	51	$62,587	$834	$20,028	$42,559
1374	1987	118.5	8	PVC	24	75	51	$29,758	$397	$9,523	$20,235
1375	1987	533.4	8	PVC	24	75	51	$133,958	$1,786	$42,867	$91,091
1376	1987	358.5	8	PVC	24	75	51	$90,040	$1,201	$28,813	$61,227
1377	1987	459.3	8	PVC	24	75	51	$115,355	$1,538	$36,914	$78,442
1380	1988	302.7	10	PVC	23	75	52	$85,517	$1,140	$26,225	$59,292
1381	1979	90.2	8	PVC	32	75	43	$22,657	$302	$9,667	$12,990
1382	1979	315.3	8	PVC	32	75	43	$79,184	$1,056	$33,785	$45,399
1387	1988	295.6	10	PVC	23	75	52	$83,513	$1,114	$25,611	$57,902
1388	1988	222.9	10	PVC	23	75	52	$62,984	$840	$19,315	$43,669
1389	1988	309.4	10	PVC	23	75	52	$87,418	$1,166	$26,808	$60,609
1395	1988	792.2	10	PVC	23	75	52	$223,814	$2,984	$68,636	$155,178
1396	1988	381.5	10	PVC	23	75	52	$107,802	$1,437	$33,059	$74,743
1397	1988	546.1	10	PVC	23	75	52	$154,285	$2,057	$47,314	$106,971
1398	1988	150.9	10	PVC	23	75	52	$42,633	$568	$13,074	$29,559
1412	1956	176.9	8	PVC	55	75	20	$44,432	$592	$32,584	$11,849
1413	1963	92.3	6	PVC	48	75	27	$20,607	$275	$13,188	$7,418
1443	2001	203.3	8	PVC	10	75	65	$51,048	$681	$6,806	$44,242
1444	1999	230.4	8	PVC	12	75	63	$57,876	$772	$9,260	$48,616

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1445	1999	205.6	6	PVC	12	75	63	$45,904	$612	$7,345	$38,559
1446	1999	200.7	6	PVC	12	75	63	$44,799	$597	$7,168	$37,631
1447	1999	410.8	8	PVC	12	75	63	$103,172	$1,376	$16,508	$86,665
1448	1999	496.2	8	PVC	12	75	63	$124,606	$1,661	$19,937	$104,669
1449	1990	355.2	8	PVC	21	75	54	$89,214	$1,190	$24,980	$64,234
1450	2001	318.3	8	PVC	10	75	65	$79,940	$1,066	$10,659	$69,281
1451	1993	220.2	8	PVC	18	75	57	$55,291	$737	$13,270	$42,021
1452	2000	269.4	8	PVC	11	75	64	$67,665	$902	$9,924	$57,741
1453	2000	338.5	8	PVC	11	75	64	$85,005	$1,133	$12,467	$72,538
1454	2000	76.9	8	PVC	11	75	64	$19,316	$258	$2,833	$16,483
1455	2000	224.2	8	PVC	11	75	64	$56,302	$751	$8,258	$48,044
1456	2000	286.3	8	PVC	11	75	64	$71,898	$959	$10,545	$61,353
1457	2000	131.2	8	PVC	11	75	64	$32,956	$439	$4,833	$28,122
1458	2000	288.8	8	PVC	11	75	64	$72,535	$967	$10,639	$61,897
1459	2000	315.3	8	PVC	11	75	64	$79,189	$1,056	$11,614	$67,574
1460	2000	254.4	8	PVC	11	75	64	$63,900	$852	$9,372	$54,528
1461	1993	229.8	8	PVC	18	75	57	$57,701	$769	$13,848	$43,853
1462	1993	393.9	8	PVC	18	75	57	$98,923	$1,319	$23,742	$75,181
1463	2001	236.2	6	PVC	10	75	65	$52,734	$703	$7,031	$45,703
1464	2001	240.2	8	PVC	10	75	65	$60,331	$804	$8,044	$52,287
1465	2001	283.2	8	PVC	10	75	65	$71,117	$948	$9,482	$61,634
1466	2001	111.1	6	PVC	10	75	65	$24,805	$331	$3,307	$21,498
1467	2001	365.3	8	PVC	10	75	65	$91,749	$1,223	$12,233	$79,516
1468	1989	146.1	8	PVC	22	75	53	$36,700	$489	$10,765	$25,935
1469	1989	495.7	8	PVC	22	75	53	$124,491	$1,660	$36,517	$87,974
1470	1989	278.8	8	PVC	22	75	53	$70,016	$934	$20,538	$49,478
1471	1989	401.7	8	PVC	22	75	53	$100,883	$1,345	$29,592	$71,291
1472	1989	464.2	8	PVC	22	75	53	$116,589	$1,555	$34,200	$82,390
1473	1990	130.3	8	PVC	21	75	54	$32,722	$436	$9,162	$23,560
1474	1990	152.1	8	PVC	21	75	54	$38,192	$509	$10,694	$27,499
1475	1990	211.4	8	PVC	21	75	54	$53,100	$708	$14,868	$38,232
1476	1990	159.0	8	PVC	21	75	54	$39,935	$532	$11,182	$28,753
1477	1982	446.4	10	PVC	29	75	46	$126,128	$1,682	$48,770	$77,359
1478	1982	499.8	10	PVC	29	75	46	$141,199	$1,883	$54,597	$86,602
1479	1982	456.6	10	PVC	29	75	46	$129,002	$1,720	$49,881	$79,121
1480	1982	504.7	10	PVC	29	75	46	$142,607	$1,901	$55,141	$87,466
1481	1993	199.0	8	PVC	18	75	57	$49,989	$667	$11,997	$37,991
1482	1993	229.0	8	PVC	18	75	57	$57,511	$767	$13,803	$43,708
1483	1989	142.9	8	PVC	22	75	53	$35,887	$478	$10,527	$25,360
1484	2000	121.8	6	PVC	11	75	64	$27,182	$362	$3,987	$23,195
1485	1993	498.7	8	PVC	18	75	57	$125,245	$1,670	$30,059	$95,186
1486	1990	150.9	10	PVC	21	75	54	$42,623	$568	$11,934	$30,688
1487	1990	228.6	8	PVC	21	75	54	$57,423	$766	$16,078	$41,345
1488	1990	282.7	8	PVC	21	75	54	$71,002	$947	$19,881	$51,122
1489	1990	191.5	8	PVC	21	75	54	$48,094	$641	$13,466	$34,628
1490	1990	284.5	8	PVC	21	75	54	$71,441	$953	$20,004	$51,438
1491	2001	56.9	8	PVC	10	75	65	$14,296	$191	$1,906	$12,390
1492	2001	409.9	8	PVC	10	75	65	$102,949	$1,373	$13,726	$89,222
1493	2001	80.3	8	PVC	10	75	65	$20,155	$269	$2,687	$17,468
1494	1982	189.3	10	PVC	29	75	46	$53,497	$713	$20,685	$32,811
1495	2001	451.6	10	PVC	10	75	65	$127,606	$1,701	$17,014	$110,591
1496	2001	469.3	8	PVC	10	75	65	$117,871	$1,572	$15,716	$102,155
1497	1989	132.0	10	PVC	22	75	53	$37,296	$497	$10,940	$26,356
1498	1985	351.4	10	PVC	26	75	49	$99,281	$1,324	$34,418	$64,864
1499	1985	295.0	10	PVC	26	75	49	$83,356	$1,111	$28,897	$54,459
1500	1985	167.4	10	PVC	26	75	49	$47,308	$631	$16,400	$30,908
1501	1985	155.8	10	PVC	26	75	49	$44,018	$587	$15,260	$28,759
1502	1985	355.5	10	PVC	26	75	49	$100,450	$1,339	$34,823	$65,627
1503	1985	242.9	10	PVC	26	75	49	$68,623	$915	$23,789	$44,834
1504	1989	286.2	18	PVC	22	75	53	$122,439	$1,633	$35,916	$86,524
1505	1989	299.3	21	PVC	22	75	53	$149,316	$1,991	$43,799	$105,516
1506	1989	506.1	21	PVC	22	75	53	$252,425	$3,366	$74,045	$178,380
1507	1989	342.3	21	PVC	22	75	53	$170,726	$2,276	$50,080	$120,646
1508	2001	510.2	8	PVC	10	75	65	$128,143	$1,709	$17,086	$111,057
1509	1990	225.6	8	PVC	21	75	54	$56,667	$756	$15,867	$40,800
1510	2001	250.3	8	PVC	10	75	65	$62,869	$838	$8,383	$54,486
1511	2001	267.2	8	PVC	10	75	65	$67,095	$895	$8,946	$58,149
1512	2001	21.1	8	PVC	10	75	65	$5,294	$71	$706	$4,588
1513	1990	197.4	8	PVC	21	75	54	$49,585	$661	$13,884	$35,701
1514	1990	55.3	8	PVC	21	75	54	$13,881	$185	$3,887	$9,995
1515	1990	440.0	8	PVC	21	75	54	$110,515	$1,474	$30,944	$79,571
1516	1982	148.5	8	PVC	29	75	46	$37,306	$497	$14,425	$22,881
1517	1982	388.2	8	PVC	29	75	46	$97,504	$1,300	$37,701	$59,802
1518	1953	281.6	6	PVC	58	75	17	$62,872	$838	$48,621	$14,251

Appendix A
Wastewater Collection System
Pipeline Asset Values

Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Asset Value Using Current Replacement Costs: Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1519	1953	57.9	6	PVC	58	75	17	$12,926	$172	$9,996	$2,930
1522	1982	446.2	8	PVC	29	75	46	$112,057	$1,494	$43,329	$68,728
1523	1982	469.2	8	PVC	29	75	46	$117,842	$1,571	$45,565	$72,276
1524	2000	420.5	8	PVC	11	75	64	$105,595	$1,408	$15,487	$90,108
1525	2000	64.5	8	PVC	11	75	64	$16,194	$216	$2,375	$13,819
1526	2000	413.1	8	PVC	11	75	64	$103,753	$1,383	$15,217	$88,535
1527	2000	275.2	8	PVC	11	75	64	$69,103	$921	$10,135	$58,968
1528	1997	225.7	6	PVC	14	75	61	$50,378	$672	$9,404	$40,974
1529	1997	140.1	6	PVC	14	75	61	$31,269	$417	$5,837	$25,432
1530	1987	500.4	8	PVC	24	75	51	$125,684	$1,676	$40,219	$85,465
1531	1993	440.9	8	PVC	18	75	57	$110,734	$1,476	$26,576	$84,158
1532	1993	360.2	8	PVC	18	75	57	$90,455	$1,206	$21,709	$68,746
1534	1993	466.9	8	PVC	18	75	57	$117,255	$1,563	$28,141	$89,114
1535	1993	234.5	8	PVC	18	75	57	$58,889	$785	$14,133	$44,756
1536	1993	197.2	8	PVC	18	75	57	$49,534	$660	$11,888	$37,646
1537	1993	246.5	8	PVC	18	75	57	$61,903	$825	$14,857	$47,046
1538	1993	540.0	8	PVC	18	75	57	$135,624	$1,808	$32,550	$103,074
1539	1993	225.1	8	PVC	18	75	57	$56,533	$754	$13,568	$42,965
1540	1993	170.6	8	PVC	18	75	57	$42,856	$571	$10,286	$32,571
1541	1993	288.3	8	PVC	18	75	57	$72,400	$965	$17,376	$55,024
1542	1993	354.3	8	PVC	18	75	57	$88,992	$1,187	$21,358	$67,634
1543	1993	349.6	8	PVC	18	75	57	$87,790	$1,171	$21,070	$66,720
1544	1993	341.9	8	PVC	18	75	57	$85,860	$1,145	$20,606	$65,254
1545	2004	97.0	8	PVC	7	75	68	$24,361	$325	$2,274	$22,088
1546	1993	189.7	8	PVC	18	75	57	$47,644	$635	$11,435	$36,209
1547	1997	194.6	8	PVC	14	75	61	$48,873	$652	$9,123	$39,750
1548	1993	249.4	8	PVC	18	75	57	$62,638	$835	$15,033	$47,605
1549	1993	248.6	8	PVC	18	75	57	$62,445	$833	$14,987	$47,458
1550	1987	276.9	8	PVC	24	75	51	$69,553	$927	$22,257	$47,296
1551	1993	472.5	8	PVC	18	75	57	$118,659	$1,582	$28,478	$90,180
1558	1988	181.4	8	PVC	23	75	52	$45,557	$607	$13,971	$31,586
1561	1988	224.8	6	PVC	23	75	52	$50,192	$669	$15,392	$34,800
1562	1988	175.9	6	PVC	23	75	52	$39,274	$524	$12,044	$27,230
1563	1988	296.2	8	PVC	23	75	52	$74,397	$992	$22,815	$51,582
1564	2002	303.0	6	PVC	9	75	66	$67,651	$902	$8,118	$59,533
1565	1988	469.4	8	PVC	23	75	52	$117,880	$1,572	$36,150	$81,730
1566	1988	287.7	8	PVC	23	75	52	$72,265	$964	$22,161	$50,104
1570	1968	120.3	8	PVC	43	75	32	$30,204	$403	$17,317	$12,887
1571	1956	234.5	8	PVC	55	75	20	$58,901	$785	$43,194	$15,707
1573	1986	239.3	6	PVC	25	75	50	$53,411	$712	$17,804	$35,607
1574	1986	194.2	6	PVC	25	75	50	$43,360	$578	$14,453	$28,906
1575	1986	329.3	6	PVC	25	75	50	$73,502	$980	$24,501	$49,001
1576	1986	278.2	6	PVC	25	75	50	$62,115	$828	$20,705	$41,410
1577	1986	186.6	6	PVC	25	75	50	$41,663	$556	$13,888	$27,775
1578	2003	360.5	6	PVC	8	75	67	$80,475	$1,073	$8,584	$71,891
1579	1986	339.6	6	PVC	25	75	50	$75,811	$1,011	$25,270	$50,541
1580	1986	346.1	6	PVC	25	75	50	$77,263	$1,030	$25,754	$51,509
1581	1997	296.2	8	PVC	14	75	61	$74,394	$992	$13,887	$60,507
1582	1997	47.9	6	PVC	14	75	61	$10,688	$143	$1,995	$8,693
1584	1956	198.8	6	PVC	55	75	20	$44,381	$592	$32,546	$11,835
1585	1956	189.2	6	PVC	55	75	20	$42,231	$563	$30,969	$11,262
1586	1956	189.9	6	PVC	55	75	20	$42,402	$565	$31,095	$11,307
1590	1956	205.2	8	PVC	55	75	20	$51,535	$687	$37,792	$13,743
1591	1956	378.4	6	PVC	55	75	20	$84,468	$1,126	$61,944	$22,525
1592	1956	288.3	6	PVC	55	75	20	$64,352	$858	$47,192	$17,161
1594	1956	117.9	6	PVC	55	75	20	$26,310	$351	$19,294	$7,016
1595	2003	288.4	6	PVC	8	75	67	$64,392	$859	$6,868	$57,523
1596	1956	101.3	6	PVC	55	75	20	$22,617	$302	$16,586	$6,031
1598	1956	128.8	6	PVC	55	75	20	$28,749	$383	$21,083	$7,666
1602	2003	506.9	8	PVC	8	75	67	$127,302	$1,697	$13,579	$113,724
1608	1956	45.8	8	PVC	55	75	20	$11,512	$153	$8,442	$3,070
1613	1956	380.0	8	PVC	55	75	20	$95,443	$1,273	$69,991	$25,451
1620	1956	190.9	8	PVC	55	75	20	$47,942	$639	$35,158	$12,785
1623	2007	650.8	6	PVC	4	75	71	$145,294	$1,937	$7,749	$137,545
1626	1956	325.4	8	PVC	55	75	20	$81,722	$1,090	$59,929	$21,793
1627	1997	386.5	8	PVC	14	75	61	$97,071	$1,294	$18,120	$78,951
1628	1956	130.2	8	PVC	55	75	20	$32,689	$436	$23,972	$8,717
1629	1997	120.2	8	PVC	14	75	61	$30,199	$403	$5,637	$24,562
1630	1956	381.5	8	PVC	55	75	20	$95,815	$1,278	$70,264	$25,551
1631	1976	151.7	6	PVC	35	75	40	$33,854	$451	$15,799	$18,056
1632	1982	490.6	10	PVC	29	75	46	$138,602	$1,848	$53,593	$85,009
1658	1956	101.1	6	PVC	55	75	20	$22,574	$301	$16,554	$6,020
1660	1953	7.7	18	PVC	58	75	17	$3,305	$44	$2,556	$749
1663	1953	106.6	6	PVC	58	75	17	$23,797	$317	$18,403	$5,394

Appendix A
Wastewater Collection System
Pipeline Asset Values

Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Asset Value Using Current Replacement Costs: Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1666	1956	291.8	6	PVC	55	75	20	$65,140	$869	$47,769	$17,371
1667	1956	364.7	8	PVC	55	75	20	$91,591	$1,221	$67,166	$24,424
1668	1956	305.9	6	PVC	55	75	20	$68,289	$911	$50,078	$18,210
1669	1956	335.9	6	PVC	55	75	20	$74,988	$1,000	$54,991	$19,997
1676	1956	162.1	6	PVC	55	75	20	$36,177	$482	$26,530	$9,647
1678	1956	380.4	6	PVC	55	75	20	$84,910	$1,132	$62,267	$22,643
1686	1962	252.5	8	PVC	49	75	26	$63,411	$845	$41,429	$21,982
1689	1982	73.7	12	PVC	29	75	46	$23,216	$310	$8,977	$14,239
1690	1982	413.3	12	PVC	29	75	46	$130,222	$1,736	$50,352	$79,869
1691	1982	196.0	12	PVC	29	75	46	$61,767	$824	$23,883	$37,884
1692	1982	215.3	12	PVC	29	75	46	$67,830	$904	$26,228	$41,603
1693	1982	192.1	12	PVC	29	75	46	$60,533	$807	$23,406	$37,127
1694	1982	223.5	12	PVC	29	75	46	$70,411	$939	$27,225	$43,185
1695	1982	160.6	12	PVC	29	75	46	$50,601	$675	$19,566	$31,036
1696	1982	128.4	12	PVC	29	75	46	$40,457	$539	$15,643	$24,814
1697	1982	281.7	12	PVC	29	75	46	$88,764	$1,184	$34,322	$54,442
1698	1982	340.4	12	PVC	29	75	46	$107,269	$1,430	$41,477	$65,792
1699	1982	185.5	8	PVC	29	75	46	$46,582	$621	$18,012	$28,570
1700	1982	265.8	8	PVC	29	75	46	$66,747	$890	$25,809	$40,938
1701	1982	231.0	8	PVC	29	75	46	$58,008	$773	$22,430	$35,578
1702	1982	222.9	8	PVC	29	75	46	$55,983	$746	$21,647	$34,336
1703	1982	439.5	8	PVC	29	75	46	$110,383	$1,472	$42,681	$67,701
1704	1982	329.7	8	PVC	29	75	46	$82,806	$1,104	$32,019	$50,788
1705	1982	38.7	6	PVC	29	75	46	$8,637	$115	$3,340	$5,298
1706	1982	95.8	6	PVC	29	75	46	$21,381	$285	$8,267	$13,114
1707	1982	409.6	6	PVC	29	75	46	$91,450	$1,219	$35,361	$56,089
1708	1982	121.0	6	PVC	29	75	46	$27,016	$360	$10,446	$16,570
1711	1953	72.0	6	PVC	58	75	17	$16,069	$214	$12,427	$3,642
1712	1982	235.4	8	PVC	29	75	46	$59,116	$788	$22,858	$36,258
1713	1982	246.8	8	PVC	29	75	46	$61,971	$826	$23,962	$38,009
1714	1982	234.0	8	PVC	29	75	46	$58,776	$784	$22,727	$36,049
1715	1982	197.9	8	PVC	29	75	46	$49,694	$663	$19,215	$30,479
1716	1982	420.6	8	PVC	29	75	46	$105,625	$1,408	$40,842	$64,783
1717	1982	183.4	6	PVC	29	75	46	$40,938	$546	$15,829	$25,108
1718	1982	124.2	6	PVC	29	75	46	$27,733	$370	$10,723	$17,010
1719	1982	130.2	8	PVC	29	75	46	$32,705	$436	$12,646	$20,059
1720	1985	303.2	6	PVC	26	75	49	$67,681	$902	$23,463	$44,218
1722	1982	371.9	8	PVC	29	75	46	$93,390	$1,245	$36,111	$57,279
1723	1982	460.5	8	PVC	29	75	46	$115,656	$1,542	$44,720	$70,936
1724	1982	197.7	8	PVC	29	75	46	$49,650	$662	$19,198	$30,452
1725	1982	123.0	8	PVC	29	75	46	$30,882	$412	$11,941	$18,941
1726	1982	148.3	6	PVC	29	75	46	$33,111	$441	$12,803	$20,308
1727	1953	383.5	8	PVC	58	75	17	$96,308	$1,284	$74,478	$21,830
1730	1985	217.6	6	PVC	26	75	49	$48,578	$648	$16,841	$31,738
1742	1982	404.5	8	PVC	29	75	46	$101,578	$1,354	$39,277	$62,301
1757	2000	293.8	8	PVC	11	75	64	$73,780	$984	$10,821	$62,959
1758	2000	234.5	8	PVC	11	75	64	$58,902	$785	$8,639	$50,263
1759	2000	193.8	8	PVC	11	75	64	$48,679	$649	$7,140	$41,539
1760	2000	168.5	8	PVC	11	75	64	$42,307	$564	$6,205	$36,102
1761	2000	180.3	8	PVC	11	75	64	$45,278	$604	$6,641	$38,637
1762	1995	316.3	8	PVC	16	75	59	$79,426	$1,059	$16,944	$62,481
1763	1993	447.6	12	PVC	18	75	57	$141,033	$1,880	$33,848	$107,185
1764	1993	492.4	12	PVC	18	75	57	$155,155	$2,069	$37,237	$117,918
1765	1993	402.6	12	PVC	18	75	57	$126,856	$1,691	$30,445	$96,410
1766	1999	496.8	8	PVC	12	75	63	$124,779	$1,664	$19,965	$104,815
1767	1977	219.2	10	PVC	34	75	41	$61,936	$826	$28,077	$33,858
1770	1999	206.0	8	PVC	12	75	63	$51,744	$690	$8,279	$43,465
1771	2003	158.5	10	PVC	8	75	67	$44,771	$597	$4,776	$39,996
1772	2003	394.7	8	PVC	8	75	67	$99,131	$1,322	$10,574	$88,557
1773	1977	137.7	15	PVC	34	75	41	$50,099	$668	$22,711	$27,387
1774	1989	327.5	12	PVC	22	75	53	$103,206	$1,376	$30,274	$72,932
1775	1990	421.1	18	PVC	21	75	54	$180,166	$2,402	$50,446	$129,719
1778	1993	333.2	8	PVC	18	75	57	$83,690	$1,116	$20,086	$63,605
1779	1993	139.4	12	PVC	18	75	57	$43,923	$586	$10,541	$33,381
1780	1993	268.7	12	PVC	18	75	57	$84,679	$1,129	$20,323	$64,356
1781	1993	372.3	12	PVC	18	75	57	$117,314	$1,564	$28,155	$89,158
1782	1995	353.4	8	PVC	16	75	59	$88,757	$1,183	$18,935	$69,822
1783	1993	47.6	8	PVC	18	75	57	$11,963	$160	$2,871	$9,092
1784	1993	46.8	8	PVC	18	75	57	$11,743	$157	$2,818	$8,924
1788	1956	26.0	6	PVC	55	75	20	$5,793	$77	$4,248	$1,545
1798	1956	537.2	6	PVC	55	75	20	$119,935	$1,599	$87,952	$31,983
1799	1956	138.6	6	PVC	55	75	20	$30,946	$413	$22,694	$8,252
1801	1956	348.1	6	PVC	55	75	20	$77,721	$1,036	$56,995	$20,725
1802	1956	705.9	6	PVC	55	75	20	$157,589	$2,101	$115,565	$42,024

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1806	1956	248.1	6	PVC	55	75	20	$55,375	$738	$40,609	$14,767
1812	1978	117.4	4	PVC	33	75	42	$23,065	$308	$10,149	$12,916
1815	1981	336.7	8	PVC	30	75	45	$84,569	$1,128	$33,827	$50,741
1816	1981	130.1	8	PVC	30	75	45	$32,668	$436	$13,067	$19,601
1817	1981	209.0	8	PVC	30	75	45	$52,486	$700	$20,994	$31,492
1818	1981	116.3	8	PVC	30	75	45	$29,202	$389	$11,681	$17,521
1819	1981	225.6	8	PVC	30	75	45	$56,651	$755	$22,660	$33,991
1826	1981	194.7	8	PVC	30	75	45	$48,899	$652	$19,559	$29,339
1827	1998	43.2	8	PVC	13	75	62	$10,855	$145	$1,882	$8,974
1828	1998	65.1	8	PVC	13	75	62	$16,342	$218	$2,833	$13,510
1839	1955	377.6	8	PVC	56	75	19	$94,842	$1,265	$70,815	$24,027
1848	1956	40.3	6	PVC	55	75	20	$9,001	$120	$6,600	$2,400
1849	1999	380.4	8	PVC	12	75	63	$95,548	$1,274	$15,288	$80,260
1850	2002	239.5	8	PVC	9	75	66	$60,139	$802	$7,217	$52,923
1851	2002	294.8	8	PVC	9	75	66	$74,046	$987	$8,886	$65,161
1852	2002	230.2	8	PVC	9	75	66	$57,820	$771	$6,938	$50,881
1853	2002	169.2	8	PVC	9	75	66	$42,482	$566	$5,098	$37,384
1854	1999	399.5	8	PVC	12	75	63	$100,335	$1,338	$16,054	$84,281
1855	1999	386.5	8	PVC	12	75	63	$97,069	$1,294	$15,531	$81,538
1856	1999	334.4	8	PVC	12	75	63	$83,976	$1,120	$13,436	$70,540
1857	1999	99.7	10	PVC	12	75	63	$28,157	$375	$4,505	$23,652
1858	1999	230.0	10	PVC	12	75	63	$64,987	$866	$10,398	$54,589
1859	2000	32.0	8	PVC	11	75	64	$8,027	$107	$1,177	$6,850
1860	2000	411.6	8	PVC	11	75	64	$103,363	$1,378	$15,160	$88,203
1861	1999	175.3	10	PVC	12	75	63	$49,526	$660	$7,924	$41,602
1862	2000	296.5	8	PVC	11	75	64	$74,462	$993	$10,921	$63,541
1863	2003	153.6	10	PVC	8	75	67	$43,401	$579	$4,629	$38,771
1864	2003	282.5	10	PVC	8	75	67	$79,811	$1,064	$8,513	$71,298
1865	1999	341.7	8	PVC	12	75	63	$85,826	$1,144	$13,732	$72,094
1866	1999	318.8	10	PVC	12	75	63	$90,079	$1,201	$14,413	$75,667
1867	1999	472.2	10	PVC	12	75	63	$133,409	$1,779	$21,346	$112,064
1868	1999	334.7	10	PVC	12	75	63	$94,576	$1,261	$15,132	$79,444
1869	1999	364.6	8	PVC	12	75	63	$91,567	$1,221	$14,651	$76,916
1870	1999	348.8	8	PVC	12	75	63	$87,590	$1,168	$14,014	$73,576
1871	1999	179.8	10	PVC	12	75	63	$50,812	$677	$8,130	$42,682
1872	1999	452.2	10	PVC	12	75	63	$127,751	$1,703	$20,440	$107,311
1873	2001	266.6	12	PVC	10	75	65	$84,018	$1,120	$11,202	$72,816
1874	2002	386.3	8	PVC	9	75	66	$97,021	$1,294	$11,642	$85,378
1875	2002	167.5	8	PVC	9	75	66	$42,074	$561	$5,049	$37,025
1876	2002	295.3	8	PVC	9	75	66	$74,156	$989	$8,899	$65,257
1877	2002	390.1	8	PVC	9	75	66	$97,960	$1,306	$11,755	$86,205
1878	2002	87.3	10	PVC	9	75	66	$24,678	$329	$2,961	$21,716
1879	2002	1058.8	4	PVC	9	75	66	$208,046	$2,774	$24,966	$183,081
1880	2002	199.5	8	PVC	9	75	66	$50,116	$668	$6,014	$44,102
1881	2002	284.6	8	PVC	9	75	66	$71,471	$953	$8,577	$62,895
1882	2002	131.3	8	PVC	9	75	66	$32,978	$440	$3,957	$29,021
1883	2002	415.6	8	PVC	9	75	66	$104,383	$1,392	$12,526	$91,857
1884	2002	101.1	8	PVC	9	75	66	$25,396	$339	$3,048	$22,349
1885	2000	110.7	8	PVC	11	75	64	$27,806	$371	$4,078	$23,728
1886	2000	148.3	8	PVC	11	75	64	$37,243	$497	$5,462	$31,781
1887	2000	197.9	8	PVC	11	75	64	$49,699	$663	$7,289	$42,410
1888	2000	458.9	8	PVC	11	75	64	$115,261	$1,537	$16,905	$98,356
1889	1999	195.9	8	PVC	12	75	63	$49,210	$656	$7,874	$41,336
1890	1977	24.1	15	PVC	34	75	41	$8,773	$117	$3,977	$4,796
1891	1977	334.9	15	PVC	34	75	41	$121,864	$1,625	$55,245	$66,619
1892	1977	318.9	15	PVC	34	75	41	$116,071	$1,548	$52,619	$63,452
1893	1999	242.2	8	PVC	12	75	63	$60,826	$811	$9,732	$51,094
1894	2000	74.2	6	PVC	11	75	64	$16,568	$221	$2,430	$14,138
1896	1977	351.6	15	PVC	34	75	41	$127,961	$1,706	$58,009	$69,952
1897	1977	301.8	8	PVC	34	75	41	$75,805	$1,011	$34,365	$41,440
1898	1999	302.5	15	PVC	12	75	63	$110,102	$1,468	$17,616	$92,485
1899	1999	310.7	15	PVC	12	75	63	$113,062	$1,507	$18,090	$94,972
1901	1996	398.5	8	PVC	15	75	60	$100,074	$1,334	$20,015	$80,059
1902	1996	370.2	8	PVC	15	75	60	$92,973	$1,240	$18,595	$74,378
1903	1996	270.7	8	PVC	15	75	60	$67,983	$906	$13,597	$54,386
1906	1981	464.2	8	PVC	30	75	45	$116,587	$1,554	$46,635	$69,952
1918	1955	238.7	8	PVC	56	75	19	$59,960	$799	$44,770	$15,190
1919	1955	382.6	8	PVC	56	75	19	$96,087	$1,281	$71,745	$24,342
1920	1955	199.7	8	PVC	56	75	19	$50,149	$669	$37,444	$12,704
1932	1955	246.1	6	PVC	56	75	19	$54,933	$732	$41,016	$13,916
1943	1955	140.8	8	PVC	56	75	19	$35,368	$472	$26,408	$8,960
1944	1981	114.8	8	PVC	30	75	45	$28,836	$384	$11,535	$17,302
1945	1955	16.6	8	PVC	56	75	19	$4,158	$55	$3,104	$1,053
1946	1999	458.1	8	PVC	12	75	63	$115,059	$1,534	$18,409	$96,649

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1947	2000	117.9	8	PVC	11	75	64	$29,617	$395	$4,344	$25,273
1948	2000	266.1	8	PVC	11	75	64	$66,841	$891	$9,803	$57,038
1949	2000	217.8	8	PVC	11	75	64	$54,697	$729	$8,022	$46,675
1950	2000	438.6	8	PVC	11	75	64	$110,156	$1,469	$16,156	$94,000
1951	2000	283.7	8	PVC	11	75	64	$71,239	$950	$10,448	$60,791
1952	2000	346.7	8	PVC	11	75	64	$87,080	$1,161	$12,772	$74,308
1953	2000	399.8	8	PVC	11	75	64	$100,419	$1,339	$14,728	$85,691
1954	2000	270.6	8	PVC	11	75	64	$67,948	$906	$9,966	$57,982
1955	2000	402.1	8	PVC	11	75	64	$100,995	$1,347	$14,813	$86,183
1956	2000	249.6	8	PVC	11	75	64	$62,678	$836	$9,193	$53,485
1957	2000	73.9	8	PVC	11	75	64	$18,549	$247	$2,721	$15,829
1958	1989	378.2	27	PVC	22	75	53	$238,779	$3,184	$70,042	$168,737
1959	1989	295.1	27	PVC	22	75	53	$186,321	$2,484	$54,654	$131,667
1960	1989	243.9	27	PVC	22	75	53	$153,991	$2,053	$45,171	$108,820
1961	2000	402.5	8	PVC	11	75	64	$101,085	$1,348	$14,826	$86,259
1962	2000	398.5	8	PVC	11	75	64	$100,079	$1,334	$14,678	$85,401
1963	2000	41.2	8	PVC	11	75	64	$10,351	$138	$1,518	$8,833
1964	1990	260.8	27	PVC	21	75	54	$164,660	$2,195	$46,105	$118,555
1965	1990	311.8	27	PVC	21	75	54	$196,858	$2,625	$55,120	$141,738
1972	1989	301.3	27	PVC	22	75	53	$190,208	$2,536	$55,794	$134,414
1973	1989	466.0	27	PVC	22	75	53	$294,179	$3,922	$86,292	$207,886
1974	1999	403.7	8	PVC	12	75	63	$101,389	$1,352	$16,222	$85,167
1975	1999	267.3	8	PVC	12	75	63	$67,120	$895	$10,739	$56,381
1976	1999	358.1	8	PVC	12	75	63	$89,945	$1,199	$14,391	$75,554
1977	1990	475.9	27	PVC	21	75	54	$300,446	$4,006	$84,125	$216,321
1978	2002	275.6	8	PVC	9	75	66	$69,210	$923	$8,305	$60,905
1979	2002	501.2	8	PVC	9	75	66	$125,867	$1,678	$15,104	$110,763
1980	2002	240.9	8	PVC	9	75	66	$60,506	$807	$7,261	$53,246
1981	2002	175.1	8	PVC	9	75	66	$43,986	$586	$5,278	$38,708
1982	2000	495.1	10	PVC	11	75	64	$139,894	$1,865	$20,518	$119,376
1983	2002	431.3	10	PVC	9	75	66	$121,855	$1,625	$14,623	$107,232
1984	2002	177.5	8	PVC	9	75	66	$44,571	$594	$5,348	$39,222
1985	2002	67.3	6	PVC	9	75	66	$15,019	$200	$1,802	$13,217
1986	1990	398.4	27	PVC	21	75	54	$251,502	$3,353	$70,420	$181,081
1987	1990	300.4	18	PVC	21	75	54	$128,515	$1,714	$35,984	$92,531
1988	1990	378.8	27	PVC	21	75	54	$239,147	$3,189	$66,961	$172,186
2008	1978	295.3	8	PVC	33	75	42	$74,159	$989	$32,630	$41,529
2009	2002	120.6	8	PVC	9	75	66	$30,294	$404	$3,635	$26,658
2010	2002	111.6	8	PVC	9	75	66	$28,031	$374	$3,364	$24,667
2011	2002	249.8	8	PVC	9	75	66	$62,732	$836	$7,528	$55,204
2012	2002	210.4	8	PVC	9	75	66	$52,848	$705	$6,342	$46,506
2013	2002	163.9	8	PVC	9	75	66	$41,166	$549	$4,940	$36,226
2014	2002	476.8	8	PVC	9	75	66	$119,748	$1,597	$14,370	$105,379
2015	2002	400.5	8	PVC	9	75	66	$100,589	$1,341	$12,071	$88,518
2016	2002	326.9	8	PVC	9	75	66	$82,088	$1,095	$9,851	$72,238
2017	2002	523.1	8	PVC	9	75	66	$131,379	$1,752	$15,765	$115,613
2018	2002	420.5	8	PVC	9	75	66	$105,614	$1,408	$12,674	$92,940
2019	2002	233.0	8	PVC	9	75	66	$58,511	$780	$7,021	$51,490
2020	2002	258.7	8	PVC	9	75	66	$64,964	$866	$7,796	$57,169
2021	2002	166.4	8	PVC	9	75	66	$41,799	$557	$5,016	$36,783
2022	1990	374.2	27	PVC	21	75	54	$236,227	$3,150	$66,144	$170,084
2040	1979	403.9	6	PVC	32	75	43	$90,157	$1,202	$38,467	$51,690
2042	1980	114.8	6	PVC	31	75	44	$25,628	$342	$10,593	$15,035
2043	1980	231.7	6	PVC	31	75	44	$51,716	$690	$21,376	$30,340
2047	1982	316.9	8	PVC	29	75	46	$79,597	$1,061	$30,777	$48,819
2048	1988	399.7	8	PVC	23	75	52	$100,371	$1,338	$30,780	$69,591
2049	1980	615.7	8	PVC	31	75	44	$154,624	$2,062	$63,911	$90,713
2050	1980	383.9	4	PVC	31	75	44	$75,439	$1,006	$31,182	$44,258
2051	1989	507.5	8	PVC	22	75	53	$127,447	$1,699	$37,384	$90,062
2067	1988	381.3	10	PVC	23	75	52	$107,729	$1,436	$33,037	$74,692
2068	1988	209.1	10	PVC	23	75	52	$59,070	$788	$18,115	$40,955
2069	1988	147.0	10	PVC	23	75	52	$41,540	$554	$12,739	$28,801
2070	1988	338.3	10	PVC	23	75	52	$95,593	$1,275	$29,315	$66,278
2071	1988	154.4	10	PVC	23	75	52	$43,613	$582	$13,375	$30,238
2072	2003	256.2	8	PVC	8	75	67	$64,348	$858	$6,864	$57,484
2074	1989	495.2	12	PVC	22	75	53	$156,048	$2,081	$45,774	$110,274
2076	1979	17.2	8	PVC	32	75	43	$4,327	$58	$1,846	$2,481
2077	1978	55.7	6	PVC	33	75	42	$12,431	$166	$5,470	$6,961
2080	1963	190.2	8	PVC	48	75	27	$47,764	$637	$30,569	$17,195
2085	2003	122.8	8	PVC	8	75	67	$30,845	$411	$3,290	$27,555
2086	1997	357.2	8	PVC	14	75	61	$89,703	$1,196	$16,745	$72,958
2087	1997	73.0	8	PVC	14	75	61	$18,332	$244	$3,422	$14,910
2088	1993	170.4	8	PVC	18	75	57	$42,789	$571	$10,269	$32,520
2089	2003	131.8	8	PVC	8	75	67	$33,100	$441	$3,531	$29,570

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
2092	2003	65.5	8	PVC	8	75	67	$16,461	$219	$1,756	$14,705
2094	2003	259.0	8	PVC	8	75	67	$65,049	$867	$6,939	$58,110
2095	2003	131.8	8	PVC	8	75	67	$33,088	$441	$3,529	$29,559
2096	2003	290.8	8	PVC	8	75	67	$73,029	$974	$7,790	$65,239
2097	2003	385.6	8	PVC	8	75	67	$96,841	$1,291	$10,330	$86,512
2098	2003	454.3	8	PVC	8	75	67	$114,098	$1,521	$12,171	$101,928
2099	2003	422.2	8	PVC	8	75	67	$106,043	$1,414	$11,311	$94,732
2100	2003	282.9	8	PVC	8	75	67	$71,051	$947	$7,579	$63,473
2101	2003	302.4	8	PVC	8	75	67	$75,957	$1,013	$8,102	$67,855
2102	2003	252.8	8	PVC	8	75	67	$63,491	$847	$6,772	$56,719
2103	2003	302.5	8	PVC	8	75	67	$75,969	$1,013	$8,103	$67,866
2104	2003	195.6	27	PVC	8	75	67	$123,514	$1,647	$13,175	$110,339
2105	2003	353.1	8	PVC	8	75	67	$88,683	$1,182	$9,460	$79,224
2106	2003	402.3	8	PVC	8	75	67	$101,028	$1,347	$10,776	$90,252
2107	2003	94.5	8	PVC	8	75	67	$23,729	$316	$2,531	$21,198
2108	2003	283.4	8	PVC	8	75	67	$71,178	$949	$7,592	$63,585
2109	2003	105.8	8	PVC	8	75	67	$26,583	$354	$2,835	$23,747
2110	2003	152.4	27	PVC	8	75	67	$96,200	$1,283	$10,261	$85,938
2111	2003	164.3	27	PVC	8	75	67	$103,701	$1,383	$11,061	$92,639
2112	2003	205.8	27	PVC	8	75	67	$129,932	$1,732	$13,859	$116,072
2113	2003	319.4	27	PVC	8	75	67	$201,654	$2,689	$21,510	$180,144
2114	2003	331.4	27	PVC	8	75	67	$209,202	$2,789	$22,315	$186,887
2115	1989	299.5	27	PVC	22	75	53	$189,111	$2,521	$55,473	$133,638
2116	2003	214.4	10	PVC	8	75	67	$60,576	$808	$6,461	$54,115
2117	2003	284.6	10	PVC	8	75	67	$80,411	$1,072	$8,577	$71,834
2118	2003	194.3	10	PVC	8	75	67	$54,896	$732	$5,856	$49,041
2119	2003	304.0	8	PVC	8	75	67	$76,337	$1,018	$8,143	$68,195
2120	2003	276.1	8	PVC	8	75	67	$69,335	$924	$7,396	$61,939
2121	2003	276.1	8	PVC	8	75	67	$69,335	$924	$7,396	$61,939
2122	2003	364.2	8	PVC	8	75	67	$91,469	$1,220	$9,757	$81,712
2123	2003	199.1	8	PVC	8	75	67	$50,002	$667	$5,334	$44,668
2124	2003	274.3	10	PVC	8	75	67	$77,490	$1,033	$8,266	$69,225
2125	2003	272.8	10	PVC	8	75	67	$77,069	$1,028	$8,221	$68,848
2126	2003	292.9	8	PVC	8	75	67	$73,553	$981	$7,846	$65,707
2127	2003	215.0	10	PVC	8	75	67	$60,745	$810	$6,479	$54,266
2128	2003	257.1	8	PVC	8	75	67	$64,566	$861	$6,887	$57,679
2129	2004	857.2	4	PVC	7	75	68	$168,442	$2,246	$15,721	$152,721
2130	2004	255.8	8	PVC	7	75	68	$64,252	$857	$5,997	$58,255
2131	2004	197.5	8	PVC	7	75	68	$49,612	$661	$4,630	$44,981
2132	2004	182.2	8	PVC	7	75	68	$45,757	$610	$4,271	$41,486
2133	2004	158.3	8	PVC	7	75	68	$39,752	$530	$3,710	$36,042
2134	2004	191.4	8	PVC	7	75	68	$48,061	$641	$4,486	$43,575
2135	2004	67.3	8	PVC	7	75	68	$16,914	$226	$1,579	$15,335
2136	2004	282.8	8	PVC	7	75	68	$71,022	$947	$6,629	$64,394
2137	2004	389.1	8	PVC	7	75	68	$97,716	$1,303	$9,120	$88,596
2138	2004	341.3	8	PVC	7	75	68	$85,706	$1,143	$7,999	$77,707
2139	2004	254.5	8	PVC	7	75	68	$63,910	$852	$5,965	$57,945
2140	2003	177.2	8	PVC	8	75	67	$44,498	$593	$4,747	$39,752
2141	2003	312.0	8	PVC	8	75	67	$78,366	$1,045	$8,359	$70,007
2142	2003	200.8	8	PVC	8	75	67	$50,428	$672	$5,379	$45,049
2143	2003	178.0	8	PVC	8	75	67	$44,693	$596	$4,767	$39,926
2144	2003	245.8	8	PVC	8	75	67	$61,731	$823	$6,585	$55,146
2145	2003	450.1	8	PVC	8	75	67	$113,041	$1,507	$12,058	$100,983
2146	2003	291.6	8	PVC	8	75	67	$73,246	$977	$7,813	$65,433
2147	2005	452.5	8	PVC	6	75	69	$113,633	$1,515	$9,091	$104,542
2148	2002	103.7	8	PVC	9	75	66	$26,036	$347	$3,124	$22,911
2149	2002	172.2	8	PVC	9	75	66	$43,255	$577	$5,191	$38,065
2150	2002	135.1	8	PVC	9	75	66	$33,928	$452	$4,071	$29,856
2152	2001	253.3	8	PVC	10	75	65	$63,613	$848	$8,482	$55,131
2153	2001	151.3	8	PVC	10	75	65	$37,998	$507	$5,066	$32,931
2154	2000	479.7	21	PVC	11	75	64	$239,265	$3,190	$35,092	$204,173
2156	1977	362.2	12	PVC	34	75	41	$114,112	$1,521	$51,731	$62,381
2157	2000	259.8	10	PVC	11	75	64	$73,406	$979	$10,766	$62,640
2158	1988	108.4	8	PVC	23	75	52	$27,236	$363	$8,352	$18,884
2159	1990	28.7	8	PVC	21	75	54	$7,210	$96	$2,019	$5,191
2160	2000	300.7	8	PVC	11	75	64	$75,528	$1,007	$11,077	$64,451
2161	2000	299.4	8	PVC	11	75	64	$75,190	$1,003	$11,028	$64,163
2162	1989	393.3	18	PVC	22	75	53	$168,271	$2,244	$49,360	$118,912
2163	1962	379.5	8	PVC	49	75	26	$95,313	$1,271	$62,271	$33,042
2165	1987	118.2	6	PVC	24	75	51	$26,395	$352	$8,446	$17,948
2166	2000	112.4	8	PVC	11	75	64	$28,217	$376	$4,138	$24,078
2167	2007	126.4	8	PVC	4	75	71	$31,737	$423	$1,693	$30,044
2168	2008	251.5	30	PVC	3	75	72	$180,124	$2,402	$7,205	$172,919
2169	2008	274.0	30	PVC	3	75	72	$196,247	$2,617	$7,850	$188,397

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
2170	1989	177.8	8	PVC	22	75	53	$44,641	$595	$13,095	$31,546
2171	1984	512.9	8	PVC	27	75	48	$128,803	$1,717	$46,369	$82,434
2172	2008	262.9	30	PVC	3	75	72	$188,270	$2,510	$7,531	$180,740
2173	1983	68.5	6	PVC	28	75	47	$15,284	$204	$5,706	$9,578
2174	2007	181.9	30	PVC	4	75	71	$130,264	$1,737	$6,947	$123,316
2175	1953	30.6	6	PVC	58	75	17	$6,827	$91	$5,279	$1,547
2176	1982	85.2	10	PVC	29	75	46	$24,064	$321	$9,305	$14,759
2177	2007	214.8	8	PVC	4	75	71	$53,952	$719	$2,877	$51,075
2180	1982	189.5	12	PVC	29	75	46	$59,701	$796	$23,085	$36,617
2181	1999	385.3	8	PVC	12	75	63	$96,770	$1,290	$15,483	$81,287
2183	2007	97.2	30	PVC	4	75	71	$69,623	$928	$3,713	$65,910
2184	2008	400.1	30	PVC	3	75	72	$286,535	$3,820	$11,461	$275,074
2185	2008	95.9	30	PVC	3	75	72	$68,653	$915	$2,746	$65,907
2186	2008	397.0	30	PVC	3	75	72	$284,343	$3,791	$11,374	$272,970
2187	2008	374.9	30	PVC	3	75	72	$268,485	$3,580	$10,739	$257,746
2188	2008	230.3	30	PVC	3	75	72	$164,913	$2,199	$6,597	$158,316
2189	2008	200.7	30	PVC	3	75	72	$143,744	$1,917	$5,750	$137,994
2190	2008	540.6	30	PVC	3	75	72	$387,221	$5,163	$15,489	$371,732
2191	2008	347.5	30	PVC	3	75	72	$248,919	$3,319	$9,957	$238,963
2192	2008	339.8	30	PVC	3	75	72	$243,392	$3,245	$9,736	$233,657
2193	2008	329.5	36	PVC	3	75	72	$296,889	$3,959	$11,876	$285,013
2194	2008	450.5	36	PVC	3	75	72	$405,942	$5,413	$16,238	$389,704
2195	2008	265.5	36	PVC	3	75	72	$239,280	$3,190	$9,571	$229,709
2196	2008	368.3	36	PVC	3	75	72	$331,918	$4,426	$13,277	$318,641
2201	2007	372.9	30	PVC	4	75	71	$267,105	$3,561	$14,246	$252,860
2202	1989	400.6	27	PVC	22	75	53	$252,929	$3,372	$74,192	$178,736
2203	2008	256.8	30	PVC	3	75	72	$183,936	$2,452	$7,357	$176,578
5025	1987	108.0	6	PVC	24	75	51	$24,106	$321	$7,714	$16,392
5815	1996	64.7	6	PVC	15	75	60	$14,438	$193	$2,888	$11,550
8508	2004	298.1	8	PVC	7	75	68	$74,869	$998	$6,988	$67,881
8509	2004	496.3	8	PVC	7	75	68	$124,636	$1,662	$11,633	$113,003
8510	2004	241.4	6	PVC	7	75	68	$53,897	$719	$5,030	$48,867
8511	2004	199.6	8	PVC	7	75	68	$50,123	$668	$4,678	$45,445
8512	2004	228.8	8	PVC	7	75	68	$57,467	$766	$5,364	$52,104
8513	2004	259.1	8	PVC	7	75	68	$65,060	$867	$6,072	$58,988
8514	2004	458.6	8	PVC	7	75	68	$115,185	$1,536	$10,751	$104,435
8515	2004	195.2	8	PVC	7	75	68	$49,025	$654	$4,576	$44,449
8516	2004	46.8	8	PVC	7	75	68	$11,759	$157	$1,097	$10,661
8517	2004	914.9	8	PVC	7	75	68	$229,763	$3,064	$21,445	$208,319
8519	2005	106.2	10	PVC	6	75	69	$30,014	$400	$2,401	$27,613
8520	2005	164.3	10	PVC	6	75	69	$46,416	$619	$3,713	$42,703
8521	2005	428.2	10	PVC	6	75	69	$120,991	$1,613	$9,679	$111,311
8522	2005	234.7	10	PVC	6	75	69	$66,304	$884	$5,304	$60,999
8523	2005	260.3	10	PVC	6	75	69	$73,542	$981	$5,883	$67,659
8524	2005	69.4	10	PVC	6	75	69	$19,620	$262	$1,570	$18,051
8525	2005	180.4	8	PVC	6	75	69	$45,294	$604	$3,624	$41,671
8526	2005	119.6	8	PVC	6	75	69	$30,028	$400	$2,402	$27,626
8527	2005	393.4	8	PVC	6	75	69	$98,793	$1,317	$7,903	$90,889
8528	2005	291.3	8	PVC	6	75	69	$73,163	$976	$5,853	$67,310
8529	1993	260.1	8	PVC	18	75	57	$65,335	$871	$15,680	$49,655
8530	2005	177.4	8	PVC	6	75	69	$44,564	$594	$3,565	$40,998
8531	2005	273.5	8	PVC	6	75	69	$68,690	$916	$5,495	$63,195
8532	2005	284.1	8	PVC	6	75	69	$71,350	$951	$5,708	$65,642
8533	2005	164.0	8	PVC	6	75	69	$41,198	$549	$3,296	$37,903
8534	2005	237.5	10	PVC	6	75	69	$67,111	$895	$5,369	$61,742
8535	2005	147.0	8	PVC	6	75	69	$36,923	$492	$2,954	$33,969
8536	2005	93.7	8	PVC	6	75	69	$23,525	$314	$1,882	$21,643
8537	2005	216.1	8	PVC	6	75	69	$54,261	$723	$4,341	$49,920
8538	2005	369.6	8	PVC	6	75	69	$92,832	$1,238	$7,427	$85,405
8539	2005	253.5	8	PVC	6	75	69	$63,673	$849	$5,094	$58,579
8540	2005	41.3	8	PVC	6	75	69	$10,371	$138	$830	$9,541
8541	2000	332.7	8	PVC	11	75	64	$83,554	$1,114	$12,255	$71,299
8542	2005	243.5	8	PVC	6	75	69	$61,142	$815	$4,891	$56,251
8543	2005	71.7	8	PVC	6	75	69	$18,003	$240	$1,440	$16,563
8544	2005	52.9	8	PVC	6	75	69	$13,296	$177	$1,064	$12,233
8545	2005	172.9	8	PVC	6	75	69	$43,424	$579	$3,474	$39,950
8546	2005	152.5	8	PVC	6	75	69	$38,298	$511	$3,064	$35,235
8547	2005	125.0	8	PVC	6	75	69	$31,382	$418	$2,511	$28,871
8548	2005	480.2	8	PVC	6	75	69	$120,610	$1,608	$9,649	$110,961
8549	2005	409.5	8	PVC	6	75	69	$102,856	$1,371	$8,228	$94,627
8550	2005	47.9	8	PVC	6	75	69	$12,033	$160	$963	$11,070
8551	2005	445.8	8	PVC	6	75	69	$111,957	$1,493	$8,957	$103,000
8552	2005	487.2	8	PVC	6	75	69	$122,368	$1,632	$9,789	$112,579
8553	2007	466.2	8	PVC	4	75	71	$117,095	$1,561	$6,245	$110,850

Appendix A
Wastewater Collection System
Pipeline Asset Values

Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Asset Value Using Current Replacement Costs: Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
8554	2007	35.9	8	PVC	4	75	71	$9,005	$120	$480	$8,525
8555	2007	243.2	8	PVC	4	75	71	$61,078	$814	$3,257	$57,821
8556	2005	50.0	8	PVC	6	75	69	$12,563	$168	$1,005	$11,558
8557	2005	115.4	8	PVC	6	75	69	$28,973	$386	$2,318	$26,655
8558	2005	211.8	8	PVC	6	75	69	$53,192	$709	$4,255	$48,937
8559	2005	243.1	8	PVC	6	75	69	$61,044	$814	$4,884	$56,161
8560	2005	196.8	8	PVC	6	75	69	$49,427	$659	$3,954	$45,473
8561	2005	288.6	6	PVC	6	75	69	$64,428	$859	$5,154	$59,274
8562	2005	262.4	8	PVC	6	75	69	$65,909	$879	$5,273	$60,636
8563	2005	590.7	8	PVC	6	75	69	$148,350	$1,978	$11,868	$136,482
8564	2005	185.0	8	PVC	6	75	69	$46,453	$619	$3,716	$42,736
8565	2005	188.6	6	PVC	6	75	69	$42,101	$561	$3,368	$38,733
8566	2005	163.4	8	PVC	6	75	69	$41,031	$547	$3,282	$37,749
8567	1978	470.4	8	PVC	33	75	42	$118,140	$1,575	$51,981	$66,158
8568	1956	185.9	6	PVC	55	75	20	$41,511	$553	$30,441	$11,070
8571	1956	120.4	6	PVC	55	75	20	$26,886	$358	$19,716	$7,170
8574	1963	69.7	8	PVC	48	75	27	$17,513	$234	$11,209	$6,305
8575	1972	343.4	8	PVC	39	75	36	$86,253	$1,150	$44,852	$41,401
8576	2004	97.3	8	PVC	7	75	68	$24,424	$326	$2,280	$22,145
8577	2001	328.3	8	PVC	10	75	65	$82,456	$1,099	$10,994	$71,462
8578	2000	121.3	8	PVC	11	75	64	$30,469	$406	$4,469	$26,000
8579	2000	410.7	8	PVC	11	75	64	$103,134	$1,375	$15,126	$88,008
8581	1955	356.4	8	PVC	56	75	19	$89,500	$1,193	$66,826	$22,673
8582	1955	174.5	8	PVC	56	75	19	$43,819	$584	$32,718	$11,101
8584	2000	152.4	8	PVC	11	75	64	$38,266	$510	$5,612	$32,654
8585	2000	191.7	8	PVC	11	75	64	$48,142	$642	$7,061	$41,081
8587	1993	498.9	8	PVC	18	75	57	$125,301	$1,671	$30,072	$95,229
8588	1989	280.9	8	PVC	22	75	53	$70,548	$941	$20,694	$49,854
8590	1989	123.7	8	PVC	22	75	53	$31,078	$414	$9,116	$21,962
8591	1989	319.9	8	PVC	22	75	53	$80,338	$1,071	$23,566	$56,772
8592	1989	161.6	8	PVC	22	75	53	$40,582	$541	$11,904	$28,678
8593	2001	247.3	8	PVC	10	75	65	$62,110	$828	$8,281	$53,829
8594	1990	451.8	8	PVC	21	75	54	$113,479	$1,513	$31,774	$81,705
8595	1990	510.8	8	PVC	21	75	54	$128,293	$1,711	$35,922	$92,371
8596	1979	146.7	8	PVC	32	75	43	$36,855	$491	$15,725	$21,130
8597	1979	166.5	8	PVC	32	75	43	$41,810	$557	$17,839	$23,971
8598	1987	435.8	6	PVC	24	75	51	$97,280	$1,297	$31,130	$66,150
8599	1988	449.5	8	PVC	23	75	52	$112,883	$1,505	$34,617	$78,265
8601	1980	115.9	8	PVC	31	75	44	$29,107	$388	$12,031	$17,076
8602	1991	378.7	6	PVC	20	75	55	$84,544	$1,127	$22,545	$61,999
8603	1991	226.8	6	PVC	20	75	55	$50,630	$675	$13,501	$37,129
8604	1991	284.3	6	PVC	20	75	55	$63,469	$846	$16,925	$46,544
8605	1991	229.5	6	PVC	20	75	55	$51,237	$683	$13,663	$37,574
8606	2003	335.8	8	PVC	8	75	67	$84,339	$1,125	$8,996	$75,343
8607	2003	402.6	8	PVC	8	75	67	$101,106	$1,348	$10,785	$90,321
8608	2003	153.6	8	PVC	8	75	67	$38,579	$514	$4,115	$34,464
8609	2003	266.0	8	PVC	8	75	67	$66,811	$891	$7,126	$59,684
8610	2004	143.9	8	PVC	7	75	68	$36,148	$482	$3,374	$32,774
8611	2004	158.6	8	PVC	7	75	68	$39,842	$531	$3,719	$36,124
8612	2002	213.9	8	PVC	9	75	66	$53,708	$716	$6,445	$47,263
8613	1990	401.7	27	PVC	21	75	54	$253,616	$3,382	$71,013	$182,604
8614	1990	414.0	27	PVC	21	75	54	$261,403	$3,485	$73,193	$188,210
8615	1990	385.0	27	PVC	21	75	54	$243,095	$3,241	$68,066	$175,028
8616	1990	397.5	27	PVC	21	75	54	$250,988	$3,347	$70,277	$180,712
8619	1997	316.3	8	PVC	14	75	61	$79,437	$1,059	$14,828	$64,609
8620	1995	161.5	8	PVC	16	75	59	$40,559	$541	$8,652	$31,906
8621	1995	149.8	6	PVC	16	75	59	$33,443	$446	$7,134	$26,308
8623	1982	297.1	8	PVC	29	75	46	$74,615	$995	$28,851	$45,764
8624	1982	328.4	8	PVC	29	75	46	$82,486	$1,100	$31,894	$50,591
8625	1982	113.4	8	PVC	29	75	46	$28,472	$380	$11,009	$17,463
8634	1983	59.9	8	PVC	28	75	47	$15,043	$201	$5,616	$9,427
8635	1983	287.7	8	PVC	28	75	47	$72,242	$963	$26,970	$45,272
8636	1979	240.5	8	PVC	32	75	43	$60,394	$805	$25,768	$34,626
8637	1985	108.0	8	PVC	26	75	49	$27,123	$362	$9,403	$17,721
8641	1988	455.3	8	PVC	23	75	52	$114,339	$1,525	$35,064	$79,275
8642	1999	209.8	8	PVC	12	75	63	$52,692	$703	$8,431	$44,261
8643	1999	448.5	8	PVC	12	75	63	$112,636	$1,502	$18,022	$94,614
8645	1996	87.4	8	PVC	15	75	60	$21,955	$293	$4,391	$17,564
8646	2003	147.7	6	PVC	8	75	67	$32,971	$440	$3,517	$29,454
8647	1989	496.7	18	PVC	22	75	53	$212,528	$2,834	$62,342	$150,187
8648	1989	241.0	18	PVC	22	75	53	$103,120	$1,375	$30,248	$72,871
8649	2004	162.9	8	PVC	7	75	68	$40,917	$546	$3,819	$37,098
8650	2003	297.5	8	PVC	8	75	67	$74,727	$996	$7,971	$66,756
8651	2000	267.0	8	PVC	11	75	64	$67,060	$894	$9,835	$57,225

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
8652	2000	350.6	8	PVC	11	75	64	$88,042	$1,174	$12,913	$75,129
8653	2002	185.4	8	PVC	9	75	66	$46,568	$621	$5,588	$40,980
8654	2003	187.3	8	PVC	8	75	67	$47,033	$627	$5,017	$42,016
8655	2003	351.8	8	PVC	8	75	67	$88,352	$1,178	$9,424	$78,928
8656	2003	473.6	8	PVC	8	75	67	$118,946	$1,586	$12,688	$106,259
8657	2003	372.7	8	PVC	8	75	67	$93,610	$1,248	$9,985	$83,625
8658	2002	275.4	8	PVC	9	75	66	$69,153	$922	$8,298	$60,855
8659	2000	185.9	8	PVC	11	75	64	$46,692	$623	$6,848	$39,844
8660	1987	252.6	6	PVC	24	75	51	$56,382	$752	$18,042	$38,340
8661	1988	224.2	8	PVC	23	75	52	$56,315	$751	$17,270	$39,045
8663	1986	199.5	8	PVC	25	75	50	$50,094	$668	$16,698	$33,396
8670	1986	240.6	8	PVC	25	75	50	$60,435	$806	$20,145	$40,290
8671	1983	125.2	8	PVC	28	75	47	$31,443	$419	$11,739	$19,705
8672	1985	235.2	8	PVC	26	75	49	$59,057	$787	$20,473	$38,584
8682	2007	268.3	8	PVC	4	75	71	$67,385	$898	$3,594	$63,791
8683	2004	214.3	8	PVC	7	75	68	$53,821	$718	$5,023	$48,798
8684	2004	297.7	8	PVC	7	75	68	$74,772	$997	$6,979	$67,793
8685	2004	121.7	8	PVC	7	75	68	$30,555	$407	$2,852	$27,703
8686	2004	159.9	8	PVC	7	75	68	$40,168	$536	$3,749	$36,419
8687	2004	322.8	8	PVC	7	75	68	$81,074	$1,081	$7,567	$73,507
8688	2004	120.8	8	PVC	7	75	68	$30,333	$404	$2,831	$27,502
8689	2004	307.2	8	PVC	7	75	68	$77,160	$1,029	$7,202	$69,959
8690	2004	217.8	8	PVC	7	75	68	$54,697	$729	$5,105	$49,592
8691	2004	309.8	8	PVC	7	75	68	$77,806	$1,037	$7,262	$70,544
8692	2004	212.1	8	PVC	7	75	68	$53,266	$710	$4,972	$48,295
8693	2004	198.9	8	PVC	7	75	68	$49,943	$666	$4,661	$45,281
8696	1982	452.6	8	PVC	29	75	46	$113,658	$1,515	$43,948	$69,710
8697	1982	450.9	8	PVC	29	75	46	$113,240	$1,510	$43,786	$69,454
8699	2001	106.4	8	PVC	10	75	65	$26,713	$356	$3,562	$23,151
8700	1990	234.6	10	PVC	21	75	54	$66,279	$884	$18,558	$47,721
8701	1990	353.9	8	PVC	21	75	54	$88,877	$1,185	$24,886	$63,992
8702	1990	183.1	8	PVC	21	75	54	$45,984	$613	$12,876	$33,109
8703	1999	141.4	8	PVC	12	75	63	$35,522	$474	$5,683	$29,838
8704	1999	173.3	8	PVC	12	75	63	$43,512	$580	$6,962	$36,550
8705	1999	251.3	8	PVC	12	75	63	$63,100	$841	$10,096	$53,004
8706	1999	333.9	8	PVC	12	75	63	$83,868	$1,118	$13,419	$70,449
8707	2001	269.9	8	PVC	10	75	65	$67,791	$904	$9,039	$58,752
8708	2001	260.0	8	PVC	10	75	65	$65,290	$871	$8,705	$56,585
8709	2000	193.1	8	PVC	11	75	64	$48,493	$647	$7,112	$41,381
8710	2000	129.2	8	PVC	11	75	64	$32,460	$433	$4,761	$27,699
8711	2000	197.0	8	PVC	11	75	64	$49,486	$660	$7,258	$42,228
8712	2004	396.6	8	PVC	7	75	68	$99,615	$1,328	$9,297	$90,318
8713	2004	198.6	8	PVC	7	75	68	$49,888	$665	$4,656	$45,232
8714	2006	291.0	8	PVC	5	75	70	$73,082	$974	$4,872	$68,210
8715	2006	164.9	8	PVC	5	75	70	$41,423	$552	$2,762	$38,662
8716	2006	298.9	8	PVC	5	75	70	$75,069	$1,001	$5,005	$70,065
8717	2006	163.1	8	PVC	5	75	70	$40,967	$546	$2,731	$38,236
8718	2006	456.7	8	PVC	5	75	70	$114,686	$1,529	$7,646	$107,040
8719	2006	494.4	8	PVC	5	75	70	$124,154	$1,655	$8,277	$115,877
8720	2006	408.8	8	PVC	5	75	70	$102,671	$1,369	$6,845	$95,826
8721	2006	294.6	8	PVC	5	75	70	$73,997	$987	$4,933	$69,064
8722	2006	338.7	8	PVC	5	75	70	$85,051	$1,134	$5,670	$79,381
8723	2006	272.5	8	PVC	5	75	70	$68,433	$912	$4,562	$63,871
8724	2006	130.9	8	PVC	5	75	70	$32,872	$438	$2,191	$30,681
8725	2005	239.0	8	PVC	6	75	69	$60,031	$800	$4,803	$55,229
8726	2005	303.2	8	PVC	6	75	69	$76,146	$1,015	$6,092	$70,054
8727	2006	141.9	8	PVC	5	75	70	$35,626	$475	$2,375	$33,250
8728	2000	163.0	8	PVC	11	75	64	$40,940	$546	$6,004	$34,935
8729	2000	399.3	8	PVC	11	75	64	$100,272	$1,337	$14,707	$85,566
8730	2000	402.5	8	PVC	11	75	64	$101,074	$1,348	$14,824	$86,250
8731	1989	269.1	27	PVC	22	75	53	$169,913	$2,266	$49,841	$120,072
8732	2002	172.8	8	PVC	9	75	66	$43,387	$578	$5,206	$38,181
8733	2002	297.2	8	PVC	9	75	66	$74,649	$995	$8,958	$65,691
8734	1990	309.5	27	PVC	21	75	54	$195,380	$2,605	$54,706	$140,673
8735	1999	408.3	8	PVC	12	75	63	$102,555	$1,367	$16,409	$86,146
8736	1999	346.4	8	PVC	12	75	63	$86,990	$1,160	$13,918	$73,071
8737	1989	218.5	27	PVC	22	75	53	$137,957	$1,839	$40,467	$97,489
8738	2003	98.9	10	PVC	8	75	67	$27,955	$373	$2,982	$24,973
8739	2003	120.3	10	PVC	8	75	67	$33,979	$453	$3,624	$30,354
8740	2003	310.6	8	PVC	8	75	67	$78,007	$1,040	$8,321	$69,687
8741	2003	295.9	8	PVC	8	75	67	$74,317	$991	$7,927	$66,390
8742	2005	494.1	8	PVC	6	75	69	$124,085	$1,654	$9,927	$114,158
8755	1956	202.3	6	PVC	55	75	20	$45,162	$602	$33,119	$12,043
8756	1956	112.2	6	PVC	55	75	20	$25,054	$334	$18,373	$6,681

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Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
8760	1989	397.2	8	PVC	22	75	53	$99,754	$1,330	$29,261	$70,493
8763	2003	243.6	27	PVC	8	75	67	$153,809	$2,051	$16,406	$137,403
8764	2008	126.8	30	PVC	3	75	72	$90,824	$1,211	$3,633	$87,191
8765	2006	256.0	8	PVC	5	75	70	$64,300	$857	$4,287	$60,013
8766	2006	216.7	8	PVC	5	75	70	$54,412	$725	$3,627	$50,785
8767	2006	369.5	8	PVC	5	75	70	$92,791	$1,237	$6,186	$86,605
8768	2006	489.3	8	PVC	5	75	70	$122,893	$1,639	$8,193	$114,700
8769	2006	285.7	8	PVC	5	75	70	$71,758	$957	$4,784	$66,974
8770	2006	311.0	8	PVC	5	75	70	$78,103	$1,041	$5,207	$72,896
8771	2001	295.5	8	PVC	10	75	65	$74,207	$989	$9,894	$64,313
8772	2001	134.6	8	PVC	10	75	65	$33,812	$451	$4,508	$29,304
8773	2001	159.7	8	PVC	10	75	65	$40,095	$535	$5,346	$34,749
8774	2000	103.0	8	PVC	11	75	64	$25,876	$345	$3,795	$22,081
8775	1989	127.3	8	PVC	22	75	53	$31,967	$426	$9,377	$22,590
8779	1970	126.6	15	PVC	41	75	34	$46,088	$615	$25,195	$20,893
8780	1989	84.1	8	PVC	22	75	53	$21,114	$282	$6,193	$14,920
8781	1989	97.3	8	PVC	22	75	53	$24,447	$326	$7,171	$17,276
8787	2007	253.8	8	PVC	4	75	71	$63,745	$850	$3,400	$60,345
8788	2007	132.3	30	PVC	4	75	71	$94,777	$1,264	$5,055	$89,723
8789	2007	136.5	30	PVC	4	75	71	$97,750	$1,303	$5,213	$92,537
8790	1982	498.9	10	PVC	29	75	46	$140,954	$1,879	$54,502	$86,452
8791	2007	284.2	30	PVC	4	75	71	$203,525	$2,714	$10,855	$192,670
8792	1987	109.1	8	PVC	24	75	51	$27,394	$365	$8,766	$18,628
8793	1987	244.6	8	PVC	24	75	51	$61,434	$819	$19,659	$41,775
8794	2006	114.2	8	PVC	5	75	70	$28,685	$382	$1,912	$26,773
8795	2006	121.1	8	PVC	5	75	70	$30,424	$406	$2,028	$28,396
8796	2006	268.9	8	PVC	5	75	70	$67,526	$900	$4,502	$63,024
8797	2006	164.7	8	PVC	5	75	70	$41,361	$551	$2,757	$38,603
8798	2006	70.0	8	PVC	5	75	70	$17,580	$234	$1,172	$16,408
8799	2006	149.8	8	PVC	5	75	70	$37,632	$502	$2,509	$35,123
8800	2006	558.4	8	PVC	5	75	70	$140,227	$1,870	$9,348	$130,879
8801	2006	188.0	8	PVC	5	75	70	$47,222	$630	$3,148	$44,074
8802	2006	156.8	8	PVC	5	75	70	$39,389	$525	$2,626	$36,763
8803	2006	89.9	8	PVC	5	75	70	$22,589	$301	$1,506	$21,083
8804	2006	408.2	8	PVC	5	75	70	$102,513	$1,367	$6,834	$95,679
8805	2006	625.9	4	PVC	5	75	70	$122,988	$1,640	$8,199	$114,788
8806	1989	222.3	27	PVC	22	75	53	$140,331	$1,871	$41,164	$99,167
8807	1989	419.9	27	PVC	22	75	53	$265,100	$3,535	$77,763	$187,337
8808	1989	489.5	27	PVC	22	75	53	$309,061	$4,121	$90,658	$218,403
8809	2006	194.5	14	PVC	5	75	70	$61,291	$817	$4,086	$57,205
8810	2006	38.1	6	PVC	5	75	70	$8,494	$113	$566	$7,928
8811	2006	12.2	8	PVC	5	75	70	$3,064	$41	$204	$2,860
8812	1986	188.2	8	PVC	25	75	50	$47,274	$630	$15,758	$31,516
8813	1986	230.1	8	PVC	25	75	50	$57,789	$771	$19,263	$38,526
8814	1980	309.4	12	PVC	31	75	44	$97,488	$1,300	$40,295	$57,193
8815	1980	163.4	12	PVC	31	75	44	$51,472	$686	$21,275	$30,197
8816	1980	127.1	12	PVC	31	75	44	$40,040	$534	$16,550	$23,490
8817	1980	306.5	12	PVC	31	75	44	$96,584	$1,288	$39,921	$56,662
8818	1980	254.4	12	PVC	31	75	44	$80,163	$1,069	$33,134	$47,029
8819	1986	206.4	8	PVC	25	75	50	$51,836	$691	$17,279	$34,557
8822	2000	173.5	8	PVC	11	75	64	$43,574	$581	$6,391	$37,183
8823	2000	378.9	8	PVC	11	75	64	$95,154	$1,269	$13,956	$81,198
8824	1990	177.3	8	PVC	21	75	54	$44,526	$594	$12,467	$32,059
8827	1990	84.4	8	PVC	21	75	54	$21,202	$283	$5,937	$15,266
8828	1993	177.4	6	PVC	18	75	57	$39,609	$528	$9,506	$30,103
8829	1993	246.1	8	PVC	18	75	57	$61,805	$824	$14,833	$46,972
8831	1993	154.8	8	PVC	18	75	57	$38,882	$518	$9,332	$29,550
8846	2001	480.7	8	PVC	10	75	65	$120,724	$1,610	$16,096	$104,627
8847	2001	316.1	8	PVC	10	75	65	$79,383	$1,058	$10,584	$68,799
8881	2007	34.0	30	PVC	4	75	71	$24,357	$325	$1,299	$23,058
8882	2007	107.4	6	PVC	4	75	71	$23,984	$320	$1,279	$22,705
8883	2007	44.1	8	PVC	4	75	71	$11,081	$148	$591	$10,490
8903	1988	486.5	10	PVC	23	75	52	$137,452	$1,833	$42,152	$95,300
8904	1988	117.3	10	PVC	23	75	52	$33,154	$442	$10,167	$22,987
8905	1988	452.8	10	PVC	23	75	52	$127,919	$1,706	$39,229	$88,691
8906	1988	473.5	10	PVC	23	75	52	$133,778	$1,784	$41,025	$92,753
8907	1988	466.9	10	PVC	23	75	52	$131,911	$1,759	$40,453	$91,458
8908	1988	303.4	10	PVC	23	75	52	$85,735	$1,143	$26,292	$59,443
8917	1986	153.3	8	PVC	25	75	50	$38,505	$513	$12,835	$25,670
8919	1968	266.3	8	PVC	43	75	32	$66,872	$892	$38,340	$28,532
8920	2007	237.5	8	PVC	4	75	71	$59,646	$795	$3,181	$56,464
8938	2004	141.6	8	PVC	7	75	68	$35,573	$474	$3,320	$32,253
8939	2004	457.4	8	PVC	7	75	68	$114,878	$1,532	$10,722	$104,156
8940	2003	279.5	8	PVC	8	75	67	$70,198	$936	$7,488	$62,710

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
8941	2002	491.3	8	PVC	9	75	66	$123,393	$1,645	$14,807	$108,586
8942	2002	420.6	8	PVC	9	75	66	$105,641	$1,409	$12,677	$92,964
8943	2002	242.1	8	PVC	9	75	66	$60,805	$811	$7,297	$53,509
8944	2002	219.9	8	PVC	9	75	66	$55,237	$736	$6,628	$48,609
8945	2002	251.9	8	PVC	9	75	66	$63,264	$844	$7,592	$55,673
8946	2002	349.0	8	PVC	9	75	66	$87,657	$1,169	$10,519	$77,138
8947	2002	161.9	8	PVC	9	75	66	$40,654	$542	$4,878	$35,775
8948	1980	248.0	12	PVC	31	75	44	$78,129	$1,042	$32,293	$45,835
8955	2002	252.8	6	PVC	9	75	66	$56,427	$752	$6,771	$49,656
8961	1986	245.0	6	PVC	25	75	50	$54,702	$729	$18,234	$36,468
8962	1986	57.4	6	PVC	25	75	50	$12,822	$171	$4,274	$8,548
8963	1986	184.6	6	PVC	25	75	50	$41,211	$549	$13,737	$27,474
8965	1986	177.4	6	PVC	25	75	50	$39,602	$528	$13,201	$26,401
8979	1956	370.8	8	PVC	55	75	20	$93,137	$1,242	$68,300	$24,836
8986	1956	73.2	6	PVC	55	75	20	$16,340	$218	$11,983	$4,357
8987	1989	337.7	8	PVC	22	75	53	$84,816	$1,131	$24,879	$59,937
8988	1989	439.0	8	PVC	22	75	53	$110,243	$1,470	$32,338	$77,905
8989	1989	83.1	8	PVC	22	75	53	$20,877	$278	$6,124	$14,753
8990	1989	200.7	8	PVC	22	75	53	$50,409	$672	$14,787	$35,622
8991	1989	97.1	8	PVC	22	75	53	$24,380	$325	$7,151	$17,228
8992	1989	140.8	8	PVC	22	75	53	$35,360	$471	$10,372	$24,987
8994	1990	304.9	8	PVC	21	75	54	$76,566	$1,021	$21,439	$55,128
8995	1990	257.8	8	PVC	21	75	54	$64,755	$863	$18,132	$46,624
8996	1984	236.4	8	PVC	27	75	48	$59,362	$791	$21,370	$37,991
8997	1980	299.5	8	PVC	31	75	44	$75,227	$1,003	$31,094	$44,133
8998	1980	414.0	8	PVC	31	75	44	$103,963	$1,386	$42,972	$60,992
8999	2003	347.7	8	PVC	8	75	67	$87,322	$1,164	$9,314	$78,008
9000	2000	112.1	8	PVC	11	75	64	$28,153	$375	$4,129	$24,024
9001	2000	197.1	8	PVC	11	75	64	$49,502	$660	$7,260	$42,242
9002	2000	187.3	8	PVC	11	75	64	$47,037	$627	$6,899	$40,138
9005	1983	231.2	8	PVC	28	75	47	$58,059	$774	$21,675	$36,383
9010	1997	84.2	8	PVC	14	75	61	$21,145	$282	$3,947	$17,198
9012	1956	156.9	6	PVC	55	75	20	$35,028	$467	$25,687	$9,341
9014	1963	187.0	8	PVC	48	75	27	$46,957	$626	$30,053	$16,905
9016	1963	228.1	6	PVC	48	75	27	$50,931	$679	$32,596	$18,335
9028	1999	42.4	6	PVC	12	75	63	$9,460	$126	$1,514	$7,946
9031	1963	132.5	8	PVC	48	75	27	$33,272	$444	$21,294	$11,978
9032	1996	182.9	12	PVC	15	75	60	$57,638	$769	$11,528	$46,110
9046	2006	148.8	8	PVC	5	75	70	$37,366	$498	$2,491	$34,875
9048	1979	294.9	8	PVC	32	75	43	$74,051	$987	$31,595	$42,456
9049	1993	82.9	8	PVC	18	75	57	$20,824	$278	$4,998	$15,826
9050	1993	254.5	8	PVC	18	75	57	$63,925	$852	$15,342	$48,583
9051	1993	121.7	8	PVC	18	75	57	$30,553	$407	$7,333	$23,220
9052	1993	96.3	8	PVC	18	75	57	$24,192	$323	$5,806	$18,386
9053	1993	261.7	8	PVC	18	75	57	$65,730	$876	$15,775	$49,954
9054	1993	197.9	8	PVC	18	75	57	$49,692	$663	$11,926	$37,766
9055	1989	157.9	12	PVC	22	75	53	$49,748	$663	$14,593	$35,155
9065	1979	382.7	8	PVC	32	75	43	$96,118	$1,282	$41,010	$55,108
9067	1993	153.5	8	PVC	18	75	57	$38,540	$514	$9,250	$29,291
9082	1991	266.5	6	PVC	20	75	55	$59,492	$793	$15,864	$43,627
9083	2003	111.4	8	PVC	8	75	67	$27,968	$373	$2,983	$24,985
9084	1983	57.9	8	PVC	28	75	47	$14,536	$194	$5,427	$9,109
9085	1983	138.5	8	PVC	28	75	47	$34,779	$464	$12,984	$21,795
9086	1983	183.1	8	PVC	28	75	47	$45,980	$613	$17,166	$28,814
9087	1983	183.4	8	PVC	28	75	47	$46,056	$614	$17,194	$28,862
9088	1983	232.7	8	PVC	28	75	47	$58,432	$779	$21,815	$36,617
9089	1983	173.1	8	PVC	28	75	47	$43,484	$580	$16,234	$27,250
9090	2002	147.0	8	PVC	9	75	66	$36,921	$492	$4,431	$32,491
9091	2002	83.1	8	PVC	9	75	66	$20,876	$278	$2,505	$18,370
9092	1991	269.3	6	PVC	20	75	55	$60,109	$801	$16,029	$44,080
9093	2002	202.7	8	PVC	9	75	66	$50,903	$679	$6,108	$44,795
9094	2002	212.7	8	PVC	9	75	66	$53,428	$712	$6,411	$47,017
9102	2007	55.7	10	PVC	4	75	71	$15,750	$210	$840	$14,910
9103	2007	321.7	10	PVC	4	75	71	$90,905	$1,212	$4,848	$86,057
9104	1982	44.4	10	PVC	29	75	46	$12,557	$167	$4,855	$7,702
9105	1990	66.6	8	PVC	21	75	54	$16,735	$223	$4,686	$12,049
9106	2001	169.9	8	PVC	10	75	65	$42,661	$569	$5,688	$36,973
9107	1982	259.9	8	PVC	29	75	46	$65,282	$870	$25,242	$40,039
9114	1986	86.2	8	PVC	25	75	50	$21,643	$289	$7,214	$14,429
9115	2007	200.4	10	PVC	4	75	71	$56,612	$755	$3,019	$53,592
9119	2004	196.3	8	PVC	7	75	68	$49,297	$657	$4,601	$44,696
9120	2004	51.5	8	PVC	7	75	68	$12,926	$172	$1,206	$11,720
9121	2004	116.1	8	PVC	7	75	68	$29,150	$389	$2,721	$26,430
9122	2004	73.7	8	PVC	7	75	68	$18,506	$247	$1,727	$16,778

Appendix A
Wastewater Collection System
Pipeline Asset Values

Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Asset Value Using Current Replacement Costs: Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
9123	2004	158.5	8	PVC	7	75	68	$39,815	$531	$3,716	$36,099
9124	2004	210.2	8	PVC	7	75	68	$52,790	$704	$4,927	$47,863
9125	2004	131.4	8	PVC	7	75	68	$32,996	$440	$3,080	$29,917
9126	2004	129.8	8	PVC	7	75	68	$32,587	$434	$3,041	$29,545
9127	2004	106.1	8	PVC	7	75	68	$26,649	$355	$2,487	$24,161
9128	2004	137.3	8	PVC	7	75	68	$34,470	$460	$3,217	$31,253
9129	2004	102.2	8	PVC	7	75	68	$25,667	$342	$2,396	$23,272
9133	1985	169.5	8	PVC	26	75	49	$42,557	$567	$14,753	$27,804
9142	1985	76.4	8	PVC	26	75	49	$19,175	$256	$6,647	$12,528
9146	2008	229.6	30	PVC	3	75	72	$164,411	$2,192	$6,576	$157,834
9147	2007	78.7	8	PVC	4	75	71	$19,770	$264	$1,054	$18,715
9148	1989	53.6	8	PVC	22	75	53	$13,457	$179	$3,947	$9,509
9153	2003	49.9	8	PVC	8	75	67	$12,529	$167	$1,336	$11,192
9154	2003	99.8	8	PVC	8	75	67	$25,052	$334	$2,672	$22,380
9155	2003	111.2	8	PVC	8	75	67	$27,927	$372	$2,979	$24,948
9156	2002	150.7	8	PVC	9	75	66	$37,840	$505	$4,541	$33,300
9157	2002	141.6	8	PVC	9	75	66	$35,552	$474	$4,266	$31,285
9158	2002	163.7	8	PVC	9	75	66	$41,107	$548	$4,933	$36,174
9159	1990	347.9	27	PVC	21	75	54	$219,631	$2,928	$61,497	$158,134
9160	1990	374.5	27	PVC	21	75	54	$236,449	$3,153	$66,206	$170,243
9161	1990	369.4	27	PVC	21	75	54	$233,196	$3,109	$65,295	$167,901
9162	1990	501.5	18	PVC	21	75	54	$214,560	$2,861	$60,077	$154,483
9163	1990	292.0	18	PVC	21	75	54	$124,947	$1,666	$34,985	$89,962
9164	1955	1093.3	6	PVC	56	75	19	$244,067	$3,254	$182,236	$61,830
9168	2002	102.8	6	PVC	9	75	66	$22,942	$306	$2,753	$20,189
9169	1998	73.7	6	PVC	13	75	62	$16,458	$219	$2,853	$13,606
9170	1998	48.9	6	PVC	13	75	62	$10,924	$146	$1,894	$9,031
9173	2004	107.8	8	PVC	7	75	68	$27,063	$361	$2,526	$24,538
9174	2004	83.5	8	PVC	7	75	68	$20,980	$280	$1,958	$19,022
9178	2000	34.9	8	PVC	11	75	64	$8,762	$117	$1,285	$7,477
9179	1989	174.4	21	PVC	22	75	53	$86,981	$1,160	$25,515	$61,467
9180	1989	325.8	21	PVC	22	75	53	$162,486	$2,166	$47,662	$114,823
9181	2000	226.5	8	PVC	11	75	64	$56,886	$758	$8,343	$48,543
9182	2000	115.1	8	PVC	11	75	64	$28,906	$385	$4,240	$24,667
9183	1985	237.0	10	PVC	26	75	49	$66,963	$893	$23,214	$43,749
9184	1987	444.8	8	PVC	24	75	51	$111,711	$1,489	$35,748	$75,964
9185	1989	499.5	21	PVC	22	75	53	$249,156	$3,322	$73,086	$176,070
9186	1985	58.6	10	PVC	26	75	49	$16,554	$221	$5,739	$10,815
9187	1985	134.1	10	PVC	26	75	49	$37,897	$505	$13,138	$24,759
9188	1989	163.2	21	PVC	22	75	53	$81,422	$1,086	$23,884	$57,538
9189	1980	146.4	12	PVC	31	75	44	$46,117	$615	$19,062	$27,055
9190	1989	82.0	21	PVC	22	75	53	$40,884	$545	$11,993	$28,891
9191	1989	111.9	21	PVC	22	75	53	$55,800	$744	$16,368	$39,432
9192	1985	208.3	8	PVC	26	75	49	$52,324	$698	$18,139	$34,185
9193	1985	57.3	10	PVC	26	75	49	$16,189	$216	$5,612	$10,577
9194	1980	100.0	12	PVC	31	75	44	$31,498	$420	$13,019	$18,479
9195	1989	497.5	21	PVC	22	75	53	$248,178	$3,309	$72,799	$175,379
9196	1989	238.6	21	PVC	22	75	53	$119,015	$1,587	$34,911	$84,104
9197	1989	144.5	21	PVC	22	75	53	$72,094	$961	$21,148	$50,946
9198	1989	270.7	21	PVC	22	75	53	$135,029	$1,800	$39,608	$95,420
9199	1989	206.2	21	PVC	22	75	53	$102,836	$1,371	$30,165	$72,671
9200	1985	112.1	8	PVC	26	75	49	$28,161	$375	$9,763	$18,399
9203	1980	142.6	12	PVC	31	75	44	$44,927	$599	$18,570	$26,357
9204	1980	166.2	12	PVC	31	75	44	$52,384	$698	$21,652	$30,732
9205	1978	113.4	8	PVC	33	75	42	$28,489	$380	$12,535	$15,954
9206	1978	123.9	8	PVC	33	75	42	$31,106	$415	$13,686	$17,419
9210	1982	72.5	12	PVC	29	75	46	$22,843	$305	$8,833	$14,010
9212	1987	44.9	6	PVC	24	75	51	$10,024	$134	$3,208	$6,816
9213	1990	67.4	8	PVC	21	75	54	$16,915	$226	$4,736	$12,179
9214	2006	129.9	8	PVC	5	75	70	$32,627	$435	$2,175	$30,452
9215	2004	117.1	8	PVC	7	75	68	$29,404	$392	$2,744	$26,660
9216	2004	157.4	8	PVC	7	75	68	$39,529	$527	$3,689	$35,839
9217	2004	226.8	8	PVC	7	75	68	$56,959	$759	$5,316	$51,643
9218	2004	199.9	8	PVC	7	75	68	$50,192	$669	$4,685	$45,508
9219	2004	100.8	8	PVC	7	75	68	$25,315	$338	$2,363	$22,952
9220	2002	195.8	8	PVC	9	75	66	$49,167	$656	$5,900	$43,267
9221	2002	408.5	10	PVC	9	75	66	$115,418	$1,539	$13,850	$101,568
9222	1999	152.2	10	PVC	12	75	63	$43,006	$573	$6,881	$36,125
9223	1999	144.5	10	PVC	12	75	63	$40,827	$544	$6,532	$34,295
9224	1993	117.2	12	PVC	18	75	57	$36,940	$493	$8,866	$28,075
9225	1993	175.9	8	PVC	18	75	57	$44,188	$589	$10,605	$33,583
9226	1982	206.0	8	PVC	29	75	46	$51,731	$690	$20,003	$31,729
9228	1977	143.8	8	PVC	34	75	41	$36,109	$481	$16,370	$19,740
9230	2003	177.7	8	PVC	8	75	67	$44,618	$595	$4,759	$39,858

Appendix A
Wastewater Collection System
Pipeline Asset Values

Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Asset Value Using Current Replacement Costs: Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
9231	2003	308.2	8	PVC	8	75	67	$77,415	$1,032	$8,258	$69,158
9232	2003	212.6	8	PVC	8	75	67	$53,393	$712	$5,695	$47,698
9233	2003	222.6	8	PVC	8	75	67	$55,896	$745	$5,962	$49,934
9234	2003	161.4	8	PVC	8	75	67	$40,539	$541	$4,324	$36,215
9235	2003	231.0	8	PVC	8	75	67	$58,015	$774	$6,188	$51,827
9237	2003	198.7	8	PVC	8	75	67	$49,909	$665	$5,324	$44,585
9238	2003	101.0	8	PVC	8	75	67	$25,358	$338	$2,705	$22,653
9239	2003	319.3	8	PVC	8	75	67	$80,195	$1,069	$8,554	$71,641
9240	1982	284.4	8	PVC	29	75	46	$71,414	$952	$27,613	$43,800
9245	1987	430.5	8	PVC	24	75	51	$108,131	$1,442	$34,602	$73,529
9246	1988	148.1	8	PVC	23	75	52	$37,185	$496	$11,403	$25,781
9247	1989	133.0	6	PVC	22	75	53	$29,697	$396	$8,711	$20,986
9254	2003	75.2	8	PVC	8	75	67	$18,876	$252	$2,013	$16,863
9255	2000	243.5	8	PVC	11	75	64	$61,158	$815	$8,970	$52,189
9256	2002	265.9	8	PVC	9	75	66	$66,782	$890	$8,014	$58,768
9257	2002	85.8	6	PVC	9	75	66	$19,162	$255	$2,299	$16,862
9258	2002	135.7	6	PVC	9	75	66	$30,291	$404	$3,635	$26,656
9259	2002	249.8	8	PVC	9	75	66	$62,744	$837	$7,529	$55,215
9260	2002	33.5	8	PVC	9	75	66	$8,418	$112	$1,010	$7,408
9261	2003	226.0	8	PVC	8	75	67	$56,770	$757	$6,055	$50,715
9262	2005	238.9	8	PVC	6	75	69	$60,001	$800	$4,800	$55,201
9263	2005	486.3	8	PVC	6	75	69	$122,139	$1,629	$9,771	$112,368
9264	2005	477.4	8	PVC	6	75	69	$119,898	$1,599	$9,592	$110,306
9265	1990	393.6	18	PVC	21	75	54	$168,405	$2,245	$47,154	$121,252
9271	1990	500.7	8	PVC	21	75	54	$125,753	$1,677	$35,211	$90,542
9272	1989	471.6	8	PVC	22	75	53	$118,436	$1,579	$34,741	$83,695
9273	1989	429.5	8	PVC	22	75	53	$107,862	$1,438	$31,639	$76,222
9274	1989	376.9	8	PVC	22	75	53	$94,661	$1,262	$27,767	$66,893
9275	1989	579.1	8	PVC	22	75	53	$145,433	$1,939	$42,660	$102,773
9276	1988	397.3	8	PVC	23	75	52	$99,774	$1,330	$30,597	$69,177
9277	1988	476.1	8	PVC	23	75	52	$119,560	$1,594	$36,665	$82,895
9278	1988	412.2	8	PVC	23	75	52	$103,513	$1,380	$31,744	$71,769
9279	1980	453.8	8	PVC	31	75	44	$113,959	$1,519	$47,103	$66,856
9280	1980	511.1	8	PVC	31	75	44	$128,372	$1,712	$53,060	$75,312
9284	1979	15.9	8	PVC	32	75	43	$3,989	$53	$1,702	$2,287
9285	1999	173.8	8	PVC	12	75	63	$43,638	$582	$6,982	$36,656
9286	1995	145.3	8	PVC	16	75	59	$36,497	$487	$7,786	$28,711
9287	1995	75.7	6	PVC	16	75	59	$16,902	$225	$3,606	$13,296
9288	1999	284.1	8	PVC	12	75	63	$71,357	$951	$11,417	$59,940
9289	1995	268.3	8	PVC	16	75	59	$67,387	$898	$14,376	$53,011
9290	2001	279.3	8	PVC	10	75	65	$70,141	$935	$9,352	$60,789
9291	2000	249.0	8	PVC	11	75	64	$62,524	$834	$9,170	$53,354
9292	2000	154.6	8	PVC	11	75	64	$38,829	$518	$5,695	$33,134
9293	2000	115.3	8	PVC	11	75	64	$28,948	$386	$4,246	$24,702
9294	2007	437.5	8	PVC	4	75	71	$109,872	$1,465	$5,860	$104,013
9295	2007	342.1	8	PVC	4	75	71	$85,912	$1,145	$4,582	$81,330
9296	2007	211.8	8	PVC	4	75	71	$53,183	$709	$2,836	$50,346
9297	2007	231.9	8	PVC	4	75	71	$58,241	$777	$3,106	$55,135
9298	1989	689.0	8	PVC	22	75	53	$173,044	$2,307	$50,760	$122,285
9299	2005	184.5	10	PVC	6	75	69	$52,120	$695	$4,170	$47,951
9300	2005	417.0	10	PVC	6	75	69	$117,823	$1,571	$9,426	$108,397
9301	1977	499.9	10	PVC	34	75	41	$141,250	$1,883	$64,033	$77,217
9302	2001	349.8	8	PVC	10	75	65	$87,860	$1,171	$11,715	$76,145
9303	2001	260.4	8	PVC	10	75	65	$65,396	$872	$8,719	$56,676
9304	2001	339.4	8	PVC	10	75	65	$85,248	$1,137	$11,366	$73,881
9305	2001	418.9	8	PVC	10	75	65	$105,202	$1,403	$14,027	$91,175
9306	2001	461.5	8	PVC	10	75	65	$115,906	$1,545	$15,454	$100,452
9307	2001	346.5	8	PVC	10	75	65	$87,029	$1,160	$11,604	$75,425
9308	1977	414.8	10	PVC	34	75	41	$117,207	$1,563	$53,134	$64,073
9309	1977	44.8	8	PVC	34	75	41	$11,261	$150	$5,105	$6,156
9310	2005	301.0	8	PVC	6	75	69	$75,584	$1,008	$6,047	$69,538
9311	2005	449.9	8	PVC	6	75	69	$112,997	$1,507	$9,040	$103,957
9312	2005	438.1	8	PVC	6	75	69	$110,039	$1,467	$8,803	$101,236
9313	2005	489.4	8	PVC	6	75	69	$122,921	$1,639	$9,834	$113,087
9314	2001	355.3	8	PVC	10	75	65	$89,226	$1,190	$11,897	$77,329
9315	2001	392.1	8	PVC	10	75	65	$98,471	$1,313	$13,129	$85,341
9316	2001	355.3	8	PVC	10	75	65	$89,226	$1,190	$11,897	$77,329
9317	2005	501.5	8	PVC	6	75	69	$125,940	$1,679	$10,075	$115,865
9318	2005	59.6	8	PVC	6	75	69	$14,980	$200	$1,198	$13,782
9319	2001	334.7	8	PVC	10	75	65	$84,059	$1,121	$11,208	$72,851
9320	2001	289.0	8	PVC	10	75	65	$72,587	$968	$9,678	$62,909
9321	2007	129.6	8	PVC	4	75	71	$32,557	$434	$1,736	$30,821
9322	2004	255.3	8	PVC	7	75	68	$64,118	$855	$5,984	$58,134
9324	1982	267.7	10	PVC	29	75	46	$75,646	$1,009	$29,250	$46,396

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
9329	1961	75.7	6	PVC	50	75	25	$16,900	$225	$11,267	$5,633
9330	2002	55.8	6	PVC	9	75	66	$12,461	$166	$1,495	$10,966
9331	2007	220.6	6	PVC	4	75	71	$49,240	$657	$2,626	$46,614
9332	2007	331.4	6	PVC	4	75	71	$73,986	$986	$3,946	$70,040
9333	2007	250.3	6	PVC	4	75	71	$55,868	$745	$2,980	$52,889
9336	1989	429.7	8	PVC	22	75	53	$107,922	$1,439	$31,657	$76,265
9337	2008	97.6	8	PVC	3	75	72	$24,510	$327	$980	$23,529
9338	2008	173.7	8	PVC	3	75	72	$43,635	$582	$1,745	$41,890
9340	2008	57.1	36	PVC	3	75	72	$51,429	$686	$2,057	$49,372
9341	2008	49.9	36	PVC	3	75	72	$44,976	$600	$1,799	$43,177
9342	2008	210.7	30	PVC	3	75	72	$150,887	$2,012	$6,035	$144,852
9343	2008	103.0	30	PVC	3	75	72	$73,772	$984	$2,951	$70,821
9345	2008	54.2	30	PVC	3	75	72	$38,850	$518	$1,554	$37,296
9346	2008	232.0	30	PVC	3	75	72	$166,165	$2,216	$6,647	$159,519
9347	2008	90.0	30	PVC	3	75	72	$64,461	$859	$2,578	$61,882
9348	2008	153.0	30	PVC	3	75	72	$109,583	$1,461	$4,383	$105,200
9367	1988	167.1	10	PVC	23	75	52	$47,216	$630	$14,480	$32,737
9368	1988	56.8	6	PVC	23	75	52	$12,687	$169	$3,891	$8,797
9373	2008	59.6	6	PVC	3	75	72	$13,297	$177	$532	$12,765
9374	2005	126.5	8	PVC	6	75	69	$31,773	$424	$2,542	$29,231
9376	1995	316.6	8	PVC	16	75	59	$79,522	$1,060	$16,965	$62,557
9377	2001	126.4	8	PVC	10	75	65	$31,753	$423	$4,234	$27,519
9378	1990	79.2	8	PVC	21	75	54	$19,891	$265	$5,569	$14,321
9379	1993	103.5	8	PVC	18	75	57	$25,988	$347	$6,237	$19,751
9381	1983	43.3	6	PVC	28	75	47	$9,676	$129	$3,612	$6,064
9389	2001	111.7	8	PVC	10	75	65	$28,057	$374	$3,741	$24,316
9390	1986	144.0	8	PVC	25	75	50	$36,171	$482	$12,057	$24,114
9391	2002	43.1	6	PVC	9	75	66	$9,623	$128	$1,155	$8,468
9395	1984	122.3	8	PVC	27	75	48	$30,726	$410	$11,061	$19,665
9404	2005	161.5	8	PVC	6	75	69	$40,561	$541	$3,245	$37,316
9405	1978	409.8	12	PVC	33	75	42	$129,129	$1,722	$56,817	$72,312
9408	1979	188.5	10	PVC	32	75	43	$53,262	$710	$22,725	$30,537
9414	1993	246.0	8	PVC	18	75	57	$61,778	$824	$14,827	$46,951
9415	1980	118.0	10	PVC	31	75	44	$33,351	$445	$13,785	$19,566
9416	1982	121.3	8	PVC	29	75	46	$30,462	$406	$11,779	$18,683
9417	1985	158.6	10	PVC	26	75	49	$44,811	$597	$15,534	$29,276
9418	1988	195.9	10	PVC	23	75	52	$55,336	$738	$16,970	$38,367
9419	2009	180.1	8	PVC	2	75	73	$45,235	$603	$1,206	$44,029
9421	2009	81.5	8	PVC	2	75	73	$20,468	$273	$546	$19,923
9422	2009	183.1	8	PVC	2	75	73	$45,997	$613	$1,227	$44,770
9423	2006	434.0	8	PVC	5	75	70	$108,990	$1,453	$7,266	$101,724
9424	2006	382.6	8	PVC	5	75	70	$96,087	$1,281	$6,406	$89,681
9426	2006	373.5	8	PVC	5	75	70	$93,814	$1,251	$6,254	$87,560
9427	2009	27.0	6	PVC	2	75	73	$6,019	$80	$160	$5,858
9428	2009	55.3	6	PVC	2	75	73	$12,350	$165	$329	$12,021
483	1979	269.9	8	PVC_TP	32	75	43	$67,777	$904	$28,918	$38,859
484	1979	319.3	8	PVC_TP	32	75	43	$80,181	$1,069	$34,211	$45,970
486	1979	333.8	8	PVC_TP	32	75	43	$83,826	$1,118	$35,766	$48,060
460	1985	141.6	8	Steel	26	50	24	$35,366	$707	$18,390	$16,976
1614	1956	382.0	10	Steel	55	50	0	$107,330	$2,147	$107,330	$0
1615	1956	235.6	10	Steel	55	50	0	$66,188	$1,324	$66,188	$0
8776	1956	333.6	10	Steel	55	50	0	$93,747	$1,875	$93,747	$0
8777	1956	199.2	10	Steel	55	50	0	$55,984	$1,120	$55,984	$0
8778	1956	248.0	10	Steel	55	50	0	$69,685	$1,394	$69,685	$0
852	1970	293.5	12	TECH	41	50	9	$92,627	$1,853	$75,954	$16,673
853	1970	385.0	12	TECH	41	50	9	$121,511	$2,430	$99,639	$21,872
1621	1970	64.3	6	TECH	41	50	9	$14,415	$288	$11,820	$2,595
1661	1953	191.0	12	TECH	58	50	0	$60,289	$1,206	$60,289	$0
9385	1970	82.5	12	TECH	41	50	9	$26,030	$521	$21,344	$4,685
0	1923	191.0	6	VCP	88	100	12	$42,802	$428	$37,666	$5,136
1	1923	190.0	6	VCP	88	100	12	$42,588	$426	$37,477	$5,111
2	1923	380.2	6	VCP	88	100	12	$85,224	$852	$74,997	$10,227
3	1923	379.3	6	VCP	88	100	12	$85,023	$850	$74,821	$10,203
4	1923	283.1	6	VCP	88	100	12	$63,454	$635	$55,840	$7,615
5	1963	290.7	6	VCP	48	100	52	$65,154	$652	$31,274	$33,880
6	1963	379.0	6	VCP	48	100	52	$84,953	$850	$40,778	$44,176
7	1963	281.6	6	VCP	48	100	52	$63,118	$631	$30,297	$32,822
9	2003	380.7	6	VCP	8	100	92	$85,340	$853	$6,827	$78,513
10	1963	289.9	6	VCP	48	100	52	$64,983	$650	$31,192	$33,791
11	1963	140.6	6	VCP	48	100	52	$31,525	$315	$15,132	$16,393
12	1963	180.8	6	VCP	48	100	52	$40,531	$405	$19,455	$21,076
13	1963	379.9	6	VCP	48	100	52	$85,161	$852	$40,877	$44,284
14	1963	286.6	6	VCP	48	100	52	$64,243	$642	$30,837	$33,406
15	1963	107.4	6	VCP	48	100	52	$24,075	$241	$11,556	$12,519

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
16	1963	380.6	6	VCP	48	100	52	$85,313	$853	$40,950	$44,363
17	2003	380.2	6	VCP	8	100	92	$85,220	$852	$6,818	$78,402
18	2003	379.0	6	VCP	8	100	92	$84,957	$850	$6,797	$78,160
19	1963	144.5	6	VCP	48	100	52	$32,378	$324	$15,542	$16,837
23	1977	319.9	6	VCP	34	100	66	$71,704	$717	$24,379	$47,325
24	1955	183.4	6	VCP	56	100	44	$41,096	$411	$23,014	$18,082
25	1977	294.9	6	VCP	34	100	66	$66,094	$661	$22,472	$43,622
27	1915	379.9	8	VCP	96	100	4	$94,910	$949	$91,113	$3,796
28	1915	380.9	8	VCP	96	100	4	$95,170	$952	$91,363	$3,807
29	1915	347.0	8	VCP	96	100	4	$86,694	$867	$83,226	$3,468
30	1915	348.5	8	VCP	96	100	4	$87,069	$871	$83,586	$3,483
31	1915	378.2	8	VCP	96	100	4	$94,494	$945	$90,714	$3,780
32	1915	380.1	8	VCP	96	100	4	$94,958	$950	$91,160	$3,798
36	1915	189.8	8	VCP	96	100	4	$47,412	$474	$45,515	$1,896
37	1915	189.2	8	VCP	96	100	4	$47,268	$473	$45,377	$1,891
41	2003	381.2	8	VCP	8	100	92	$95,235	$952	$7,619	$87,616
51	1972	225.3	6	VCP	39	100	61	$50,500	$505	$19,695	$30,805
53	1963	190.7	12	VCP	48	100	52	$60,181	$602	$28,887	$31,294
54	1923	189.1	12	VCP	88	100	12	$59,667	$597	$52,507	$7,160
55	1923	179.3	12	VCP	88	100	12	$56,600	$566	$49,808	$6,792
56	1923	138.6	12	VCP	88	100	12	$43,757	$438	$38,506	$5,251
57	1923	460.0	12	VCP	88	100	12	$145,175	$1,452	$127,754	$17,421
58	1963	378.9	12	VCP	48	100	52	$119,578	$1,196	$57,398	$62,181
59	1963	379.8	12	VCP	48	100	52	$119,860	$1,199	$57,533	$62,327
60	1923	179.5	12	VCP	88	100	12	$56,650	$566	$49,852	$6,798
61	1923	380.7	12	VCP	88	100	12	$120,144	$1,201	$105,727	$14,417
62	1923	285.7	6	VCP	88	100	12	$64,048	$640	$56,362	$7,686
64	1955	379.4	18	VCP	56	100	44	$168,998	$1,690	$94,639	$74,359
65	1955	383.2	18	VCP	56	100	44	$170,669	$1,707	$95,575	$75,094
66	1955	378.6	18	VCP	56	100	44	$168,617	$1,686	$94,426	$74,192
67	1955	363.9	18	VCP	56	100	44	$162,067	$1,621	$90,758	$71,310
68	1955	395.8	18	VCP	56	100	44	$176,262	$1,763	$98,707	$77,555
69	1923	242.1	6	VCP	88	100	12	$54,273	$543	$47,760	$6,513
75	1956	382.1	12	VCP	55	100	45	$120,581	$1,206	$66,320	$54,262
76	1956	393.6	18	VCP	55	100	45	$175,295	$1,753	$96,412	$78,883
77	1953	381.3	18	VCP	58	100	42	$169,834	$1,698	$98,504	$71,330
78	1953	377.9	18	VCP	58	100	42	$168,312	$1,683	$97,621	$70,691
79	1909	379.2	8	VCP	102	100	0	$94,734	$947	$94,734	$0
81	1923	311.9	6	VCP	88	100	12	$69,911	$699	$61,522	$8,389
83	1954	174.4	8	VCP	57	100	43	$43,572	$436	$24,836	$18,736
85	1923	377.7	12	VCP	88	100	12	$119,192	$1,192	$104,889	$14,303
89	1966	184.3	6	VCP	45	100	55	$41,301	$413	$18,585	$22,715
90	1966	161.7	6	VCP	45	100	55	$36,248	$362	$16,312	$19,936
92	1963	388.4	6	VCP	48	100	52	$87,059	$871	$41,788	$45,271
94	1956	369.0	8	VCP	55	100	45	$92,188	$922	$50,703	$41,485
95	1956	347.0	8	VCP	55	100	45	$86,694	$867	$47,682	$39,012
96	1956	117.7	6	VCP	55	100	45	$26,375	$264	$14,506	$11,869
98	1956	522.4	8	VCP	55	100	45	$130,515	$1,305	$71,783	$58,732
99	1956	251.8	8	VCP	55	100	45	$62,912	$629	$34,602	$28,310
100	1956	57.0	8	VCP	55	100	45	$14,233	$142	$7,828	$6,405
101	1969	130.3	8	VCP	42	100	58	$32,565	$326	$13,677	$18,888
104	1969	239.9	6	VCP	42	100	58	$53,779	$538	$22,587	$31,192
107	1923	358.4	6	VCP	88	100	12	$80,327	$803	$70,688	$9,639
108	1956	363.6	12	VCP	55	100	45	$114,740	$1,147	$63,107	$51,633
110	1956	254.7	6	VCP	55	100	45	$57,079	$571	$31,393	$25,685
111	1956	242.2	6	VCP	55	100	45	$54,285	$543	$29,857	$24,428
112	1956	182.5	8	VCP	55	100	45	$45,607	$456	$25,084	$20,523
113	1959	382.6	6	VCP	52	100	48	$85,766	$858	$44,598	$41,168
114	1959	274.2	6	VCP	52	100	48	$61,450	$615	$31,954	$29,496
115	1959	226.1	6	VCP	52	100	48	$50,677	$507	$26,352	$24,325
116	1956	84.9	18	VCP	55	100	45	$37,819	$378	$20,801	$17,019
118	1965	52.0	8	VCP	46	100	54	$12,980	$130	$5,971	$7,009
119	1965	264.5	8	VCP	46	100	54	$66,096	$661	$30,404	$35,692
120	1965	264.3	8	VCP	46	100	54	$66,044	$660	$30,380	$35,664
121	1965	359.7	8	VCP	46	100	54	$89,876	$899	$41,343	$48,533
122	1956	203.5	6	VCP	55	100	45	$45,621	$456	$25,092	$20,530
123	1956	397.4	6	VCP	55	100	45	$89,074	$891	$48,991	$40,083
124	1923	210.4	12	VCP	88	100	12	$66,408	$664	$58,439	$7,969
125	1956	102.9	12	VCP	55	100	45	$32,472	$325	$17,860	$14,612
127	1956	399.8	8	VCP	55	100	45	$99,879	$999	$54,934	$44,946
128	1956	364.6	8	VCP	55	100	45	$91,084	$911	$50,096	$40,988
129	1956	401.1	18	VCP	55	100	45	$178,646	$1,786	$98,255	$80,391
130	1965	468.0	24	VCP	46	100	54	$272,660	$2,727	$125,424	$147,237
131	1965	348.7	24	VCP	46	100	54	$203,126	$2,031	$93,438	$109,688

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Pipeline Asset Values

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Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
132	1965	602.7	24	VCP	46	100	54	$351,109	$3,511	$161,510	$189,599
201	1978	387.2	10	VCP	33	100	67	$108,805	$1,088	$35,906	$72,900
202	1978	106.3	10	VCP	33	100	67	$29,876	$299	$9,859	$20,017
203	1978	318.1	10	VCP	33	100	67	$89,372	$894	$29,493	$59,879
210	1978	332.1	8	VCP	33	100	67	$82,970	$830	$27,380	$55,590
234	1978	168.6	10	VCP	33	100	67	$47,368	$474	$15,631	$31,736
390	1977	336.7	10	VCP	34	100	66	$94,597	$946	$32,163	$62,434
391	1977	196.1	8	VCP	34	100	66	$48,982	$490	$16,654	$32,328
392	1978	490.4	8	VCP	33	100	67	$122,518	$1,225	$40,431	$82,087
393	1978	506.5	8	VCP	33	100	67	$126,548	$1,265	$41,761	$84,787
394	1975	249.5	8	VCP	36	100	64	$62,344	$623	$22,444	$39,900
395	1977	340.9	8	VCP	34	100	66	$85,184	$852	$28,962	$56,221
396	1972	380.8	8	VCP	39	100	61	$95,152	$952	$37,109	$58,043
397	1959	190.6	6	VCP	52	100	48	$42,720	$427	$22,214	$20,506
398	1959	356.5	6	VCP	52	100	48	$79,909	$799	$41,553	$38,356
399	1952	385.9	6	VCP	59	100	41	$86,506	$865	$51,038	$35,467
400	1962	138.2	12	VCP	49	100	51	$43,624	$436	$21,376	$22,248
401	1972	299.9	12	VCP	39	100	61	$94,652	$947	$36,914	$57,738
402	1972	252.6	12	VCP	39	100	61	$79,712	$797	$31,088	$48,624
403	1977	341.0	12	VCP	34	100	66	$107,610	$1,076	$36,587	$71,022
404	1977	135.4	12	VCP	34	100	66	$42,721	$427	$14,525	$28,196
405	1978	323.0	8	VCP	33	100	67	$80,689	$807	$26,628	$54,062
409	1977	241.5	10	VCP	34	100	66	$67,867	$679	$23,075	$44,792
411	1977	67.0	10	VCP	34	100	66	$18,828	$188	$6,402	$12,426
412	1972	300.1	8	VCP	39	100	61	$74,979	$750	$29,242	$45,737
417	1972	299.9	8	VCP	39	100	61	$74,919	$749	$29,218	$45,701
418	1972	207.6	8	VCP	39	100	61	$51,872	$519	$20,230	$31,642
419	1972	291.5	8	VCP	39	100	61	$72,818	$728	$28,399	$44,419
420	1977	648.6	10	VCP	34	100	66	$182,256	$1,823	$61,967	$120,289
424	1977	500.7	8	VCP	34	100	66	$125,102	$1,251	$42,535	$82,568
454	1952	120.5	8	VCP	59	100	41	$30,099	$301	$17,758	$12,340
455	1952	251.5	6	VCP	59	100	41	$56,374	$564	$33,261	$23,114
456	1962	217.8	8	VCP	49	100	51	$54,404	$544	$26,658	$27,746
457	1962	327.9	8	VCP	49	100	51	$81,919	$819	$40,140	$41,779
458	1961	301.6	6	VCP	50	100	50	$67,611	$676	$33,806	$33,806
459	1961	291.3	6	VCP	50	100	50	$65,300	$653	$32,650	$32,650
466	1962	213.7	8	VCP	49	100	51	$53,397	$534	$26,164	$27,232
467	1959	301.7	6	VCP	52	100	48	$67,634	$676	$35,170	$32,464
468	1959	294.8	6	VCP	52	100	48	$66,087	$661	$34,365	$31,722
469	1959	48.1	6	VCP	52	100	48	$10,791	$108	$5,611	$5,179
471	1959	211.2	6	VCP	52	100	48	$47,349	$473	$24,622	$22,728
477	1961	158.0	8	VCP	50	100	50	$39,481	$395	$19,740	$19,740
478	1961	328.5	8	VCP	50	100	50	$82,067	$821	$41,034	$41,034
479	1961	433.4	8	VCP	50	100	50	$108,280	$1,083	$54,140	$54,140
480	1962	390.1	8	VCP	49	100	51	$97,465	$975	$47,758	$49,707
481	1968	912.5	8	VCP	43	100	57	$227,995	$2,280	$98,038	$129,957
482	1952	330.0	6	VCP	59	100	41	$73,963	$740	$43,638	$30,325
485	1972	380.6	6	VCP	39	100	61	$85,303	$853	$33,268	$52,035
487	1961	393.6	8	VCP	50	100	50	$98,346	$983	$49,173	$49,173
488	1961	196.4	6	VCP	50	100	50	$44,029	$440	$22,015	$22,015
489	1961	407.3	8	VCP	50	100	50	$101,773	$1,018	$50,886	$50,886
490	1961	403.4	8	VCP	50	100	50	$100,791	$1,008	$50,396	$50,396
491	1961	238.2	8	VCP	50	100	50	$59,513	$595	$29,756	$29,756
493	1961	142.3	6	VCP	50	100	50	$31,892	$319	$15,946	$15,946
494	1961	189.9	6	VCP	50	100	50	$42,572	$426	$21,286	$21,286
495	1961	239.3	6	VCP	50	100	50	$53,634	$536	$26,817	$26,817
496	1961	290.4	6	VCP	50	100	50	$65,095	$651	$32,548	$32,548
497	1961	97.1	6	VCP	50	100	50	$21,773	$218	$10,886	$10,886
498	1961	308.2	6	VCP	50	100	50	$69,077	$691	$34,538	$34,538
499	1961	370.4	6	VCP	50	100	50	$83,012	$830	$41,506	$41,506
500	1961	206.6	6	VCP	50	100	50	$46,300	$463	$23,150	$23,150
501	1961	168.9	6	VCP	50	100	50	$37,863	$379	$18,931	$18,931
502	1961	259.1	6	VCP	50	100	50	$58,084	$581	$29,042	$29,042
503	1961	265.2	6	VCP	50	100	50	$59,433	$594	$29,716	$29,716
504	1952	341.8	6	VCP	59	100	41	$76,614	$766	$45,202	$31,412
505	1952	102.4	4	VCP	59	100	41	$20,198	$202	$11,917	$8,281
506	1968	358.0	8	VCP	43	100	57	$89,432	$894	$38,456	$50,977
508	1979	239.7	8	VCP	32	100	68	$59,899	$599	$19,168	$40,731
524	1977	121.3	6	VCP	34	100	66	$27,177	$272	$9,240	$17,937
525	1961	325.0	6	VCP	50	100	50	$72,841	$728	$36,420	$36,420
559	1980	381.0	10	VCP	31	100	69	$107,060	$1,071	$33,189	$73,871
560	1980	388.9	10	VCP	31	100	69	$109,280	$1,093	$33,877	$75,404
563	1980	162.2	10	VCP	31	100	69	$45,585	$456	$14,131	$31,454
564	1961	187.6	6	VCP	50	100	50	$42,049	$420	$21,024	$21,024

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
565	1961	197.1	6	VCP	50	100	50	$44,173	$442	$22,086	$22,086
566	1961	129.1	6	VCP	50	100	50	$28,937	$289	$14,468	$14,468
567	1961	132.0	6	VCP	50	100	50	$29,578	$296	$14,789	$14,789
568	1961	322.9	6	VCP	50	100	50	$72,364	$724	$36,182	$36,182
569	1961	354.7	6	VCP	50	100	50	$79,508	$795	$39,754	$39,754
570	1961	358.6	6	VCP	50	100	50	$80,388	$804	$40,194	$40,194
571	1961	270.0	6	VCP	50	100	50	$60,511	$605	$30,255	$30,255
572	1961	387.9	6	VCP	50	100	50	$86,949	$869	$43,474	$43,474
573	1961	327.1	6	VCP	50	100	50	$73,315	$733	$36,657	$36,657
574	1961	173.5	6	VCP	50	100	50	$38,884	$389	$19,442	$19,442
575	1961	232.9	6	VCP	50	100	50	$52,197	$522	$26,098	$26,098
576	1961	462.7	6	VCP	50	100	50	$103,700	$1,037	$51,850	$51,850
583	1986	154.3	6	VCP	25	100	75	$34,591	$346	$8,648	$25,943
584	1986	200.9	6	VCP	25	100	75	$45,034	$450	$11,259	$33,776
585	1986	256.9	6	VCP	25	100	75	$57,585	$576	$14,396	$43,189
586	1986	290.3	6	VCP	25	100	75	$65,060	$651	$16,265	$48,795
587	1986	190.2	6	VCP	25	100	75	$42,636	$426	$10,659	$31,977
588	1986	260.5	6	VCP	25	100	75	$58,381	$584	$14,595	$43,786
589	1986	266.1	6	VCP	25	100	75	$59,655	$597	$14,914	$44,741
590	1986	223.6	6	VCP	25	100	75	$50,118	$501	$12,529	$37,588
593	1977	239.6	8	VCP	34	100	66	$59,870	$599	$20,356	$39,514
634	1977	260.3	8	VCP	34	100	66	$65,035	$650	$22,112	$42,923
635	1979	68.8	8	VCP	32	100	68	$17,190	$172	$5,501	$11,689
636	1991	254.8	8	VCP	20	100	80	$63,670	$637	$12,734	$50,936
637	1991	412.7	8	VCP	20	100	80	$103,112	$1,031	$20,622	$82,490
643	1968	372.3	8	VCP	43	100	57	$93,009	$930	$39,994	$53,015
644	1968	555.5	8	VCP	43	100	57	$138,777	$1,388	$59,674	$79,103
733	1959	99.3	6	VCP	52	100	48	$22,262	$223	$11,576	$10,686
734	1959	56.7	6	VCP	52	100	48	$12,719	$127	$6,614	$6,105
735	1959	158.4	6	VCP	52	100	48	$35,514	$355	$18,467	$17,047
738	1983	146.1	8	VCP	28	100	72	$36,501	$365	$10,220	$26,281
739	1977	299.6	8	VCP	34	100	66	$74,841	$748	$25,446	$49,395
740	1941	187.1	6	VCP	70	100	30	$41,947	$419	$29,363	$12,584
742	1941	167.6	6	VCP	70	100	30	$37,562	$376	$26,294	$11,269
743	1941	189.9	6	VCP	70	100	30	$42,565	$426	$29,796	$12,770
744	1941	180.1	6	VCP	70	100	30	$40,373	$404	$28,261	$12,112
745	1941	256.6	6	VCP	70	100	30	$57,509	$575	$40,256	$17,253
746	1941	247.0	6	VCP	70	100	30	$55,370	$554	$38,759	$16,611
747	1975	195.2	6	VCP	36	100	64	$43,747	$437	$15,749	$27,998
749	1959	112.5	6	VCP	52	100	48	$25,215	$252	$13,112	$12,103
750	1959	172.4	6	VCP	52	100	48	$38,640	$386	$20,093	$18,547
753	1959	60.8	6	VCP	52	100	48	$13,631	$136	$7,088	$6,543
754	1983	134.6	6	VCP	28	100	72	$30,167	$302	$8,447	$21,720
759	1968	253.1	6	VCP	43	100	57	$56,728	$567	$24,393	$32,335
769	1969	173.2	6	VCP	42	100	58	$38,819	$388	$16,304	$22,515
770	1969	368.6	8	VCP	42	100	58	$92,086	$921	$38,676	$53,410
771	1969	301.3	8	VCP	42	100	58	$75,281	$753	$31,618	$43,663
772	1969	116.3	6	VCP	42	100	58	$26,067	$261	$10,948	$15,119
774	1982	85.3	6	VCP	29	100	71	$19,116	$191	$5,544	$13,573
799	1969	94.0	6	VCP	42	100	58	$21,080	$211	$8,854	$12,226
800	1941	239.2	6	VCP	70	100	30	$53,611	$536	$37,528	$16,083
801	1980	378.6	8	VCP	31	100	69	$94,603	$946	$29,327	$65,276
802	1980	347.7	8	VCP	31	100	69	$86,869	$869	$26,929	$59,940
807	1963	369.6	6	VCP	48	100	52	$82,852	$829	$39,769	$43,083
808	1968	340.0	6	VCP	43	100	57	$76,213	$762	$32,772	$43,442
809	1963	602.6	6	VCP	48	100	52	$135,064	$1,351	$64,831	$70,233
810	1968	424.5	6	VCP	43	100	57	$95,144	$951	$40,912	$54,232
814	1977	530.2	8	VCP	34	100	66	$132,480	$1,325	$45,043	$87,437
818	1909	318.4	6	VCP	102	100	0	$71,356	$714	$71,356	$0
819	1909	175.7	8	VCP	102	100	0	$43,887	$439	$43,887	$0
820	1909	380.4	8	VCP	102	100	0	$95,045	$950	$95,045	$0
824	1967	195.3	12	VCP	44	100	56	$61,651	$617	$27,126	$34,524
825	1967	163.5	12	VCP	44	100	56	$51,592	$516	$22,700	$28,891
827	1977	409.6	8	VCP	34	100	66	$102,331	$1,023	$34,792	$67,538
828	1963	56.6	8	VCP	48	100	52	$14,136	$141	$6,785	$7,351
829	2003	378.5	6	VCP	8	100	92	$84,846	$848	$6,788	$78,059
830	1976	202.5	6	VCP	35	100	65	$45,383	$454	$15,884	$29,499
833	1923	288.3	6	VCP	88	100	12	$64,611	$646	$56,857	$7,753
837	1909	380.0	8	VCP	102	100	0	$94,936	$949	$94,936	$0
838	1977	570.2	8	VCP	34	100	66	$142,472	$1,425	$48,440	$94,031
840	1941	388.7	10	VCP	70	100	30	$109,221	$1,092	$76,454	$32,766
841	1941	381.9	10	VCP	70	100	30	$107,298	$1,073	$75,108	$32,189
842	1941	289.2	6	VCP	70	100	30	$64,822	$648	$45,375	$19,447
845	1923	101.4	6	VCP	88	100	12	$22,732	$227	$20,004	$2,728

Appendix A
Wastewater Collection System
Pipeline Asset Values

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Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
846	1923	187.6	6	VCP	88	100	12	$42,038	$420	$36,993	$5,045
849	1963	127.3	6	VCP	48	100	52	$28,539	$285	$13,699	$14,840
851	1969	253.5	6	VCP	42	100	58	$56,822	$568	$23,865	$32,957
861	1977	14.5	8	VCP	34	100	66	$3,630	$36	$1,234	$2,396
862	1963	371.8	6	VCP	48	100	52	$83,332	$833	$39,999	$43,332
863	1923	288.0	6	VCP	88	100	12	$64,550	$646	$56,804	$7,746
868	1923	292.9	6	VCP	88	100	12	$65,644	$656	$57,767	$7,877
872	1923	379.3	6	VCP	88	100	12	$85,007	$850	$74,806	$10,201
873	1941	280.6	6	VCP	70	100	30	$62,889	$629	$44,022	$18,867
874	1963	135.1	6	VCP	48	100	52	$30,279	$303	$14,534	$15,745
875	1923	294.3	6	VCP	88	100	12	$65,957	$660	$58,042	$7,915
881	1923	379.3	8	VCP	88	100	12	$94,774	$948	$83,401	$11,373
883	1980	369.6	8	VCP	31	100	69	$92,344	$923	$28,627	$63,717
884	1980	123.7	8	VCP	31	100	69	$30,897	$309	$9,578	$21,319
885	1980	270.1	8	VCP	31	100	69	$67,483	$675	$20,920	$46,563
886	1980	247.4	8	VCP	31	100	69	$61,824	$618	$19,165	$42,658
888	1977	150.0	8	VCP	34	100	66	$37,469	$375	$12,739	$24,729
889	1977	96.9	8	VCP	34	100	66	$24,203	$242	$8,229	$15,974
890	1977	259.8	8	VCP	34	100	66	$64,921	$649	$22,073	$42,848
891	1977	404.9	8	VCP	34	100	66	$101,167	$1,012	$34,397	$66,771
892	1977	245.8	8	VCP	34	100	66	$61,410	$614	$20,879	$40,530
898	1980	341.3	8	VCP	31	100	69	$85,263	$853	$26,432	$58,832
900	1977	265.6	8	VCP	34	100	66	$66,369	$664	$22,566	$43,804
908	1986	99.6	8	VCP	25	100	75	$24,892	$249	$6,223	$18,669
926	1978	306.8	8	VCP	33	100	67	$76,655	$767	$25,296	$51,359
956	1977	199.0	8	VCP	34	100	66	$49,709	$497	$16,901	$32,808
957	1977	277.4	8	VCP	34	100	66	$69,319	$693	$23,568	$45,750
964	1987	342.5	8	VCP	24	100	76	$85,565	$856	$20,536	$65,029
965	1987	336.1	8	VCP	24	100	76	$83,971	$840	$20,153	$63,818
966	1979	137.5	8	VCP	32	100	68	$34,352	$344	$10,993	$23,359
967	1979	396.4	8	VCP	32	100	68	$99,027	$990	$31,689	$67,338
969	1980	363.3	8	VCP	31	100	69	$90,770	$908	$28,139	$62,631
970	1980	264.6	8	VCP	31	100	69	$66,108	$661	$20,494	$45,615
971	1980	279.5	8	VCP	31	100	69	$69,821	$698	$21,644	$48,176
972	1980	275.1	8	VCP	31	100	69	$68,740	$687	$21,309	$47,431
973	1980	133.9	8	VCP	31	100	69	$33,460	$335	$10,373	$23,088
974	1980	131.1	8	VCP	31	100	69	$32,762	$328	$10,156	$22,606
975	1980	280.5	8	VCP	31	100	69	$70,075	$701	$21,723	$48,352
976	1962	186.2	12	VCP	49	100	51	$58,779	$588	$28,802	$29,977
981	1992	24.9	12	VCP	19	100	81	$7,855	$79	$1,492	$6,362
982	1952	335.8	8	VCP	59	100	41	$83,908	$839	$49,506	$34,402
983	1952	298.8	4	VCP	59	100	41	$58,921	$589	$34,764	$24,158
984	1952	274.8	4	VCP	59	100	41	$54,195	$542	$31,975	$22,220
985	1961	335.0	6	VCP	50	100	50	$75,086	$751	$37,543	$37,543
986	1961	381.6	6	VCP	50	100	50	$85,533	$855	$42,767	$42,767
987	1961	116.9	6	VCP	50	100	50	$26,209	$262	$13,105	$13,105
988	1961	326.2	6	VCP	50	100	50	$73,112	$731	$36,556	$36,556
989	1961	294.4	6	VCP	50	100	50	$65,984	$660	$32,992	$32,992
990	1961	77.0	6	VCP	50	100	50	$17,264	$173	$8,632	$8,632
991	1961	308.3	8	VCP	50	100	50	$77,038	$770	$38,519	$38,519
992	1961	197.4	8	VCP	50	100	50	$49,313	$493	$24,656	$24,656
993	1961	175.6	8	VCP	50	100	50	$43,863	$439	$21,931	$21,931
994	1986	265.8	8	VCP	25	100	75	$66,420	$664	$16,605	$49,815
995	1986	255.7	8	VCP	25	100	75	$63,885	$639	$15,971	$47,914
996	1986	287.9	8	VCP	25	100	75	$71,927	$719	$17,982	$53,945
997	1980	276.1	10	VCP	31	100	69	$77,571	$776	$24,047	$53,524
1007	1977	34.7	6	VCP	34	100	66	$7,781	$78	$2,646	$5,136
1030	1968	255.9	8	VCP	43	100	57	$63,927	$639	$27,489	$36,438
1031	1968	396.6	8	VCP	43	100	57	$99,088	$991	$42,608	$56,480
1042	2003	358.7	8	VCP	8	100	92	$89,613	$896	$7,169	$82,444
1044	2003	373.1	8	VCP	8	100	92	$93,229	$932	$7,458	$85,770
1047	1915	315.9	8	VCP	96	100	4	$78,927	$789	$75,770	$3,157
1048	1970	202.9	8	VCP	41	100	59	$50,692	$507	$20,784	$29,908
1049	1970	81.7	6	VCP	41	100	59	$18,302	$183	$7,504	$10,798
1050	1970	111.4	6	VCP	41	100	59	$24,977	$250	$10,240	$14,736
1051	1915	281.1	8	VCP	96	100	4	$70,225	$702	$67,416	$2,809
1096	1962	216.3	8	VCP	49	100	51	$54,030	$540	$26,475	$27,555
1097	1953	147.5	8	VCP	58	100	42	$36,857	$369	$21,377	$15,480
1098	1986	444.9	8	VCP	25	100	75	$111,155	$1,112	$27,789	$83,366
1099	1953	197.0	8	VCP	58	100	42	$49,218	$492	$28,546	$20,671
1100	1953	221.9	8	VCP	58	100	42	$55,450	$554	$32,161	$23,289
1101	1953	144.4	8	VCP	58	100	42	$36,074	$361	$20,923	$15,151
1102	1953	294.2	6	VCP	58	100	42	$65,936	$659	$38,243	$27,693
1103	1977	382.2	8	VCP	34	100	66	$95,500	$955	$32,470	$63,030

Appendix A
Wastewater Collection System
Pipeline Asset Values

Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Asset Value Using Current Replacement Costs: Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1104	1977	399.4	8	VCP	34	100	66	$99,788	$998	$33,928	$65,860
1105	1977	252.6	8	VCP	34	100	66	$63,113	$631	$21,459	$41,655
1106	1961	274.8	8	VCP	50	100	50	$68,668	$687	$34,334	$34,334
1107	1965	268.1	8	VCP	46	100	54	$66,978	$670	$30,810	$36,168
1108	1979	315.6	8	VCP	32	100	68	$78,851	$789	$25,232	$53,619
1109	1961	483.7	8	VCP	50	100	50	$120,855	$1,209	$60,428	$60,428
1110	1977	188.6	8	VCP	34	100	66	$47,122	$471	$16,022	$31,101
1111	1965	368.3	8	VCP	46	100	54	$92,022	$920	$42,330	$49,692
1112	1979	282.1	6	VCP	32	100	68	$63,236	$632	$20,236	$43,001
1113	1977	166.8	8	VCP	34	100	66	$41,674	$417	$14,169	$27,505
1132	1977	370.2	8	VCP	34	100	66	$92,489	$925	$31,446	$61,043
1133	1977	237.7	8	VCP	34	100	66	$59,401	$594	$20,196	$39,204
1134	1979	465.5	8	VCP	32	100	68	$116,313	$1,163	$37,220	$79,093
1135	1953	209.6	6	VCP	58	100	42	$46,990	$470	$27,254	$19,736
1136	1953	177.9	6	VCP	58	100	42	$39,880	$399	$23,130	$16,750
1137	1953	57.9	6	VCP	58	100	42	$12,985	$130	$7,531	$5,454
1140	1953	359.9	6	VCP	58	100	42	$80,659	$807	$46,782	$33,877
1141	1953	234.4	6	VCP	58	100	42	$52,528	$525	$30,466	$22,062
1142	1953	127.0	6	VCP	58	100	42	$28,475	$285	$16,516	$11,960
1143	1953	236.6	6	VCP	58	100	42	$53,029	$530	$30,757	$22,272
1144	1953	100.0	6	VCP	58	100	42	$22,419	$224	$13,003	$9,416
1145	2003	402.3	6	VCP	8	100	92	$90,161	$902	$7,213	$82,948
1146	1953	457.4	6	VCP	58	100	42	$102,515	$1,025	$59,459	$43,056
1147	1953	290.5	6	VCP	58	100	42	$65,115	$651	$37,767	$27,348
1148	1953	164.2	6	VCP	58	100	42	$36,808	$368	$21,349	$15,459
1182	1970	255.0	8	VCP	41	100	59	$63,707	$637	$26,120	$37,587
1183	1970	358.1	6	VCP	41	100	59	$80,258	$803	$32,906	$47,352
1184	1970	250.3	6	VCP	41	100	59	$56,107	$561	$23,004	$33,103
1185	1970	186.3	6	VCP	41	100	59	$41,752	$418	$17,118	$24,634
1186	1970	280.4	8	VCP	41	100	59	$70,051	$701	$28,721	$41,330
1187	1970	246.7	8	VCP	41	100	59	$61,649	$616	$25,276	$36,373
1188	1970	293.3	6	VCP	41	100	59	$65,736	$657	$26,952	$38,784
1190	1974	260.5	8	VCP	37	100	63	$65,096	$651	$24,085	$41,010
1191	1974	195.2	8	VCP	37	100	63	$48,766	$488	$18,043	$30,722
1192	1974	304.3	8	VCP	37	100	63	$76,030	$760	$28,131	$47,899
1193	1974	261.5	8	VCP	37	100	63	$65,335	$653	$24,174	$41,161
1194	1974	227.7	8	VCP	37	100	63	$56,896	$569	$21,051	$35,844
1195	1977	213.4	6	VCP	34	100	66	$47,825	$478	$16,261	$31,565
1196	1977	167.8	6	VCP	34	100	66	$37,605	$376	$12,786	$24,819
1197	1977	302.9	8	VCP	34	100	66	$75,677	$757	$25,730	$49,947
1198	1977	266.0	6	VCP	34	100	66	$59,622	$596	$20,271	$39,350
1199	1977	128.4	8	VCP	34	100	66	$32,083	$321	$10,908	$21,175
1200	1977	400.3	8	VCP	34	100	66	$100,021	$1,000	$34,007	$66,014
1201	1977	271.6	8	VCP	34	100	66	$67,861	$679	$23,073	$44,788
1202	1977	281.0	8	VCP	34	100	66	$70,216	$702	$23,873	$46,343
1203	1977	385.7	8	VCP	34	100	66	$96,358	$964	$32,762	$63,596
1204	1977	428.2	8	VCP	34	100	66	$106,994	$1,070	$36,378	$70,616
1222	1977	264.8	10	VCP	34	100	66	$74,396	$744	$25,295	$49,101
1223	1968	342.8	8	VCP	43	100	57	$85,651	$857	$36,830	$48,821
1224	2003	109.2	8	VCP	8	100	92	$27,294	$273	$2,184	$25,111
1225	1968	438.3	8	VCP	43	100	57	$109,508	$1,095	$47,088	$62,419
1226	1968	180.8	8	VCP	43	100	57	$45,174	$452	$19,425	$25,749
1245	1980	68.2	6	VCP	31	100	69	$15,290	$153	$4,740	$10,550
1246	1980	97.9	6	VCP	31	100	69	$21,936	$219	$6,800	$15,136
1247	1972	195.5	8	VCP	39	100	61	$48,839	$488	$19,047	$29,792
1249	1941	371.2	8	VCP	70	100	30	$92,736	$927	$64,915	$27,821
1250	1941	378.6	10	VCP	70	100	30	$106,386	$1,064	$74,470	$31,916
1252	1941	168.7	6	VCP	70	100	30	$37,814	$378	$26,470	$11,344
1254	1942	277.2	8	VCP	69	100	31	$69,262	$693	$47,791	$21,471
1255	1968	79.8	6	VCP	43	100	57	$17,892	$179	$7,693	$10,198
1256	1972	147.2	6	VCP	39	100	61	$32,993	$330	$12,867	$20,126
1258	1984	477.9	8	VCP	27	100	73	$119,408	$1,194	$32,240	$87,168
1259	1977	473.4	8	VCP	34	100	66	$118,265	$1,183	$40,210	$78,055
1264	1980	411.0	6	VCP	31	100	69	$92,118	$921	$28,557	$63,562
1266	1941	187.9	6	VCP	70	100	30	$42,109	$421	$29,476	$12,633
1267	1968	195.9	6	VCP	43	100	57	$43,904	$439	$18,879	$25,025
1268	1941	312.1	6	VCP	70	100	30	$69,961	$700	$48,973	$20,988
1269	1941	188.6	6	VCP	70	100	30	$42,276	$423	$29,594	$12,683
1270	1941	190.7	6	VCP	70	100	30	$42,750	$427	$29,925	$12,825
1271	1941	253.0	6	VCP	70	100	30	$56,713	$567	$39,699	$17,014
1272	1923	193.9	6	VCP	88	100	12	$43,467	$435	$38,251	$5,216
1273	2003	378.2	6	VCP	8	100	92	$84,767	$848	$6,781	$77,985
1274	1923	282.9	6	VCP	88	100	12	$63,410	$634	$55,800	$7,609
1276	1923	379.8	6	VCP	88	100	12	$85,122	$851	$74,908	$10,215

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1277	1923	369.5	6	VCP	88	100	12	$82,828	$828	$72,889	$9,939
1278	1923	307.8	6	VCP	88	100	12	$68,980	$690	$60,703	$8,278
1284	1986	318.7	12	VCP	25	100	75	$100,567	$1,006	$25,142	$75,425
1293	1991	197.1	8	VCP	20	100	80	$49,249	$492	$9,850	$39,399
1326	1974	263.3	10	VCP	37	100	63	$73,987	$740	$27,375	$46,612
1327	1974	309.5	10	VCP	37	100	63	$86,962	$870	$32,176	$54,786
1328	1974	268.1	10	VCP	37	100	63	$75,342	$753	$27,876	$47,465
1330	1974	203.6	8	VCP	37	100	63	$50,872	$509	$18,823	$32,050
1331	1975	115.2	8	VCP	36	100	64	$28,790	$288	$10,364	$18,426
1332	1975	592.9	8	VCP	36	100	64	$148,124	$1,481	$53,325	$94,799
1347	1974	126.2	8	VCP	37	100	63	$31,519	$315	$11,662	$19,857
1348	1974	444.5	8	VCP	37	100	63	$111,059	$1,111	$41,092	$69,967
1350	1962	537.1	10	VCP	49	100	51	$150,913	$1,509	$73,947	$76,966
1351	1962	341.7	10	VCP	49	100	51	$96,000	$960	$47,040	$48,960
1352	1962	432.9	10	VCP	49	100	51	$121,634	$1,216	$59,600	$62,033
1365	1977	68.0	8	VCP	34	100	66	$16,995	$170	$5,778	$11,217
1366	1977	72.9	8	VCP	34	100	66	$18,208	$182	$6,191	$12,018
1367	1977	44.4	8	VCP	34	100	66	$11,105	$111	$3,776	$7,329
1383	1979	473.9	8	VCP	32	100	68	$118,408	$1,184	$37,891	$80,518
1384	1979	318.0	8	VCP	32	100	68	$79,462	$795	$25,428	$54,034
1385	1979	424.8	8	VCP	32	100	68	$106,143	$1,061	$33,966	$72,177
1386	1979	80.6	8	VCP	32	100	68	$20,135	$201	$6,443	$13,692
1411	1903	205.5	8	VCP	108	100	0	$51,333	$513	$51,333	$0
1414	1956	242.2	6	VCP	55	100	45	$54,286	$543	$29,858	$24,429
1415	1923	181.5	6	VCP	88	100	12	$40,685	$407	$35,803	$4,882
1418	1956	186.3	6	VCP	55	100	45	$41,750	$418	$22,963	$18,788
1419	1956	245.1	6	VCP	55	100	45	$54,941	$549	$30,218	$24,723
1420	1923	326.4	6	VCP	88	100	12	$73,149	$731	$64,371	$8,778
1421	1956	205.6	6	VCP	55	100	45	$46,093	$461	$25,351	$20,742
1422	1956	116.5	8	VCP	55	100	45	$29,115	$291	$16,013	$13,102
1423	1956	328.5	8	VCP	55	100	45	$82,077	$821	$45,143	$36,935
1424	1981	460.6	6	VCP	30	100	70	$103,236	$1,032	$30,971	$72,265
1425	1956	176.8	6	VCP	55	100	45	$39,631	$396	$21,797	$17,834
1426	1956	281.0	6	VCP	55	100	45	$62,981	$630	$34,639	$28,341
1427	1956	156.7	6	VCP	55	100	45	$35,125	$351	$19,319	$15,806
1428	1923	374.7	6	VCP	88	100	12	$83,977	$840	$73,900	$10,077
1429	1956	209.8	6	VCP	55	100	45	$47,026	$470	$25,864	$21,162
1430	1956	127.8	6	VCP	55	100	45	$28,635	$286	$15,749	$12,886
1431	1956	207.6	6	VCP	55	100	45	$46,528	$465	$25,591	$20,938
1432	1956	175.6	6	VCP	55	100	45	$39,355	$394	$21,646	$17,710
1433	1956	226.0	6	VCP	55	100	45	$50,664	$507	$27,865	$22,799
1434	1956	283.9	6	VCP	55	100	45	$63,639	$636	$35,002	$28,638
1435	1956	182.3	6	VCP	55	100	45	$40,857	$409	$22,471	$18,386
1436	1963	92.8	6	VCP	48	100	52	$20,795	$208	$9,982	$10,814
1437	1923	484.3	6	VCP	88	100	12	$108,552	$1,086	$95,526	$13,026
1438	1923	190.8	6	VCP	88	100	12	$42,772	$428	$37,639	$5,133
1439	1963	341.5	6	VCP	48	100	52	$76,555	$766	$36,746	$39,808
1440	1963	312.3	6	VCP	48	100	52	$69,993	$700	$33,596	$36,396
1441	1963	52.1	8	VCP	48	100	52	$13,016	$130	$6,248	$6,768
1442	1923	329.3	8	VCP	88	100	12	$82,274	$823	$72,401	$9,873
1520	1961	276.9	6	VCP	50	100	50	$62,070	$621	$31,035	$31,035
1521	1953	85.1	6	VCP	58	100	42	$19,076	$191	$11,064	$8,012
1552	1961	59.7	6	VCP	50	100	50	$13,374	$134	$6,687	$6,687
1553	1998	180.6	6	VCP	13	100	87	$40,489	$405	$5,264	$35,225
1556	1978	288.2	6	VCP	33	100	67	$64,591	$646	$21,315	$43,276
1557	1969	110.5	8	VCP	42	100	58	$27,607	$276	$11,595	$16,012
1559	1981	223.8	6	VCP	30	100	70	$50,173	$502	$15,052	$35,121
1560	1956	350.9	6	VCP	55	100	45	$78,651	$787	$43,258	$35,393
1567	1969	518.1	8	VCP	42	100	58	$129,435	$1,294	$54,363	$75,072
1568	1968	285.1	6	VCP	43	100	57	$63,900	$639	$27,477	$36,423
1569	1968	251.4	6	VCP	43	100	57	$56,339	$563	$24,226	$32,113
1572	1981	139.6	6	VCP	30	100	70	$31,282	$313	$9,385	$21,898
1583	1956	308.0	8	VCP	55	100	45	$76,952	$770	$42,323	$34,628
1587	1915	179.0	8	VCP	96	100	4	$44,734	$447	$42,944	$1,789
1588	1915	193.4	8	VCP	96	100	4	$48,317	$483	$46,384	$1,933
1589	1923	380.6	6	VCP	88	100	12	$85,316	$853	$75,078	$10,238
1597	1915	147.5	6	VCP	96	100	4	$33,061	$331	$31,739	$1,322
1599	1956	151.8	6	VCP	55	100	45	$34,020	$340	$18,711	$15,309
1600	1956	59.0	6	VCP	55	100	45	$13,228	$132	$7,276	$5,953
1601	1956	270.4	6	VCP	55	100	45	$60,614	$606	$33,338	$27,276
1603	1956	377.1	6	VCP	55	100	45	$84,514	$845	$46,482	$38,031
1604	1956	289.7	6	VCP	55	100	45	$64,926	$649	$35,709	$29,217
1605	1956	94.1	6	VCP	55	100	45	$21,095	$211	$11,602	$9,493
1607	1923	360.7	6	VCP	88	100	12	$80,848	$808	$71,146	$9,702

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Pipeline Asset Values

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Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1609	1903	394.7	8	VCP	108	100	0	$98,609	$986	$98,609	$0
1610	1903	570.1	8	VCP	108	100	0	$142,432	$1,424	$142,432	$0
1611	1956	327.2	8	VCP	55	100	45	$81,751	$818	$44,963	$36,788
1612	1909	334.6	6	VCP	102	100	0	$75,006	$750	$75,006	$0
1616	1923	352.0	6	VCP	88	100	12	$78,891	$789	$69,424	$9,467
1617	1923	193.8	6	VCP	88	100	12	$43,430	$434	$38,218	$5,212
1618	1909	189.8	8	VCP	102	100	0	$47,416	$474	$47,416	$0
1619	1909	187.9	8	VCP	102	100	0	$46,950	$469	$46,950	$0
1622	1953	126.6	12	VCP	58	100	42	$39,954	$400	$23,173	$16,781
1624	1909	381.0	8	VCP	102	100	0	$95,185	$952	$95,185	$0
1625	1909	379.8	8	VCP	102	100	0	$94,892	$949	$94,892	$0
1633	1953	310.8	8	VCP	58	100	42	$77,647	$776	$45,035	$32,612
1634	2003	164.9	8	VCP	8	100	92	$41,200	$412	$3,296	$37,904
1635	1953	110.5	8	VCP	58	100	42	$27,607	$276	$16,012	$11,595
1636	1953	199.3	8	VCP	58	100	42	$49,794	$498	$28,881	$20,914
1637	1953	256.7	8	VCP	58	100	42	$64,130	$641	$37,196	$26,935
1638	1961	363.5	6	VCP	50	100	50	$81,472	$815	$40,736	$40,736
1639	1953	258.7	6	VCP	58	100	42	$57,990	$580	$33,634	$24,356
1640	1953	210.8	6	VCP	58	100	42	$47,257	$473	$27,409	$19,848
1642	1953	371.3	6	VCP	58	100	42	$83,214	$832	$48,264	$34,950
1643	1953	110.9	6	VCP	58	100	42	$24,854	$249	$14,415	$10,439
1645	1953	313.3	8	VCP	58	100	42	$78,264	$783	$45,393	$32,871
1646	1953	554.6	8	VCP	58	100	42	$138,552	$1,386	$80,360	$58,192
1647	2003	461.4	6	VCP	8	100	92	$103,425	$1,034	$8,274	$95,151
1648	1953	94.1	6	VCP	58	100	42	$21,090	$211	$12,232	$8,858
1649	2003	101.8	8	VCP	8	100	92	$25,426	$254	$2,034	$23,392
1650	1953	296.2	8	VCP	58	100	42	$74,007	$740	$42,924	$31,083
1651	1953	201.4	6	VCP	58	100	42	$45,150	$451	$26,187	$18,963
1652	1953	336.2	6	VCP	58	100	42	$75,354	$754	$43,705	$31,649
1653	1953	165.3	6	VCP	58	100	42	$37,040	$370	$21,483	$15,557
1654	1953	275.6	6	VCP	58	100	42	$61,763	$618	$35,822	$25,940
1655	2003	316.7	6	VCP	8	100	92	$70,982	$710	$5,679	$65,304
1656	2003	304.1	6	VCP	8	100	92	$68,160	$682	$5,453	$62,707
1659	1941	188.2	18	VCP	70	100	30	$83,836	$838	$58,685	$25,151
1664	1903	311.3	8	VCP	108	100	0	$77,787	$778	$77,787	$0
1665	1953	88.2	12	VCP	58	100	42	$27,825	$278	$16,139	$11,687
1670	1909	376.3	6	VCP	102	100	0	$84,335	$843	$84,335	$0
1671	1909	294.8	6	VCP	102	100	0	$66,069	$661	$66,069	$0
1672	1923	79.6	6	VCP	88	100	12	$17,836	$178	$15,696	$2,140
1675	1923	294.0	6	VCP	88	100	12	$65,906	$659	$57,998	$7,909
1677	1909	289.9	6	VCP	102	100	0	$64,977	$650	$64,977	$0
1679	1956	278.5	6	VCP	55	100	45	$62,427	$624	$34,335	$28,092
1680	1909	189.5	6	VCP	102	100	0	$42,486	$425	$42,486	$0
1681	1923	196.1	6	VCP	88	100	12	$43,945	$439	$38,672	$5,273
1682	1923	243.4	6	VCP	88	100	12	$54,552	$546	$48,006	$6,546
1683	1923	384.0	6	VCP	88	100	12	$86,064	$861	$75,736	$10,328
1684	1962	39.2	8	VCP	49	100	51	$9,786	$98	$4,795	$4,991
1685	1953	316.1	8	VCP	58	100	42	$78,988	$790	$45,813	$33,175
1687	1962	114.8	6	VCP	49	100	51	$25,739	$257	$12,612	$13,127
1688	1962	171.9	6	VCP	49	100	51	$38,526	$385	$18,878	$19,648
1709	1982	265.8	6	VCP	29	100	71	$59,567	$596	$17,274	$42,293
1710	1982	232.8	6	VCP	29	100	71	$52,184	$522	$15,133	$37,050
1721	1953	189.4	6	VCP	58	100	42	$42,460	$425	$24,627	$17,833
1728	1953	241.0	6	VCP	58	100	42	$54,029	$540	$31,337	$22,692
1729	1953	448.1	6	VCP	58	100	42	$100,431	$1,004	$58,250	$42,181
1737	1977	348.8	8	VCP	34	100	66	$87,136	$871	$29,626	$57,510
1738	1977	430.0	8	VCP	34	100	66	$107,438	$1,074	$36,529	$70,909
1739	1977	32.8	8	VCP	34	100	66	$8,194	$82	$2,786	$5,408
1740	1982	190.1	6	VCP	29	100	71	$42,613	$426	$12,358	$30,255
1741	1982	384.2	6	VCP	29	100	71	$86,116	$861	$24,974	$61,143
1743	1977	224.3	8	VCP	34	100	66	$56,031	$560	$19,050	$36,980
1744	1977	409.0	8	VCP	34	100	66	$102,181	$1,022	$34,742	$67,440
1745	1977	317.9	8	VCP	34	100	66	$79,429	$794	$27,006	$52,423
1746	1977	255.5	6	VCP	34	100	66	$57,263	$573	$19,469	$37,793
1747	1977	328.5	8	VCP	34	100	66	$82,079	$821	$27,907	$54,172
1748	1982	376.6	8	VCP	29	100	71	$94,087	$941	$27,285	$66,802
1749	1982	154.8	8	VCP	29	100	71	$38,670	$387	$11,214	$27,455
1751	1982	341.4	8	VCP	29	100	71	$85,287	$853	$24,733	$60,554
1752	1982	135.1	8	VCP	29	100	71	$33,763	$338	$9,791	$23,972
1753	1982	203.9	8	VCP	29	100	71	$50,955	$510	$14,777	$36,178
1754	1982	319.2	8	VCP	29	100	71	$79,751	$798	$23,128	$56,624
1755	1982	234.4	6	VCP	29	100	71	$52,539	$525	$15,236	$37,303
1756	1982	228.8	6	VCP	29	100	71	$51,287	$513	$14,873	$36,414
1785	1956	406.0	6	VCP	55	100	45	$91,002	$910	$50,051	$40,951

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
1786	1956	187.8	6	VCP	55	100	45	$42,101	$421	$23,156	$18,946
1787	1956	537.9	6	VCP	55	100	45	$120,562	$1,206	$66,309	$54,253
1789	1956	489.1	8	VCP	55	100	45	$122,199	$1,222	$67,209	$54,990
1790	1956	760.8	8	VCP	55	100	45	$190,082	$1,901	$104,545	$85,537
1791	1986	435.2	6	VCP	25	100	75	$97,548	$975	$24,387	$73,161
1792	1956	232.0	6	VCP	55	100	45	$52,005	$520	$28,603	$23,402
1794	1956	71.2	6	VCP	55	100	45	$15,959	$160	$8,777	$7,181
1795	1977	50.6	6	VCP	34	100	66	$11,334	$113	$3,854	$7,481
1796	1977	103.2	6	VCP	34	100	66	$23,121	$231	$7,861	$15,260
1797	1977	307.9	6	VCP	34	100	66	$69,013	$690	$23,464	$45,549
1807	1956	330.1	8	VCP	55	100	45	$82,479	$825	$45,363	$37,116
1808	1956	202.9	8	VCP	55	100	45	$50,685	$507	$27,877	$22,808
1809	1956	290.5	6	VCP	55	100	45	$65,104	$651	$35,807	$29,297
1810	1956	362.7	6	VCP	55	100	45	$81,296	$813	$44,713	$36,583
1811	1978	304.4	8	VCP	33	100	67	$76,056	$761	$25,098	$50,957
1813	1965	187.2	6	VCP	46	100	54	$41,949	$419	$19,297	$22,652
1814	1965	222.9	6	VCP	46	100	54	$49,970	$500	$22,986	$26,984
1820	1956	152.3	6	VCP	55	100	45	$34,130	$341	$18,771	$15,358
1821	1956	342.8	6	VCP	55	100	45	$76,843	$768	$42,264	$34,579
1822	1956	241.4	6	VCP	55	100	45	$54,111	$541	$29,761	$24,350
1823	1956	508.7	6	VCP	55	100	45	$114,017	$1,140	$62,709	$51,308
1825	1955	760.5	8	VCP	56	100	44	$190,008	$1,900	$106,404	$83,603
1829	1969	152.0	8	VCP	42	100	58	$37,988	$380	$15,955	$22,033
1830	1956	415.8	6	VCP	55	100	45	$93,203	$932	$51,262	$41,942
1831	1957	161.2	6	VCP	54	100	46	$36,130	$361	$19,510	$16,620
1832	1956	206.5	6	VCP	55	100	45	$46,276	$463	$25,452	$20,824
1833	1956	51.7	6	VCP	55	100	45	$11,579	$116	$6,368	$5,210
1834	1965	349.8	6	VCP	46	100	54	$78,414	$784	$36,070	$42,343
1835	1965	147.3	6	VCP	46	100	54	$33,019	$330	$15,189	$17,830
1836	1965	320.1	6	VCP	46	100	54	$71,743	$717	$33,002	$38,741
1838	1956	232.5	8	VCP	55	100	45	$58,084	$581	$31,946	$26,138
1847	1965	507.0	24	VCP	46	100	54	$295,380	$2,954	$135,875	$159,505
1904	1955	175.7	27	VCP	56	100	44	$117,348	$1,173	$65,715	$51,633
1905	1965	503.8	24	VCP	46	100	54	$293,532	$2,935	$135,025	$158,507
1907	1955	393.9	4	VCP	56	100	44	$77,676	$777	$43,499	$34,178
1908	1955	383.3	4	VCP	56	100	44	$75,594	$756	$42,333	$33,262
1909	1955	355.7	6	VCP	56	100	44	$79,734	$797	$44,651	$35,083
1910	1955	189.5	6	VCP	56	100	44	$42,476	$425	$23,787	$18,690
1911	1955	117.4	4	VCP	56	100	44	$23,152	$232	$12,965	$10,187
1912	1956	304.2	6	VCP	55	100	45	$68,181	$682	$37,500	$30,682
1913	1955	164.2	8	VCP	56	100	44	$41,030	$410	$22,977	$18,053
1914	1996	84.7	8	VCP	15	100	85	$21,164	$212	$3,175	$17,990
1915	1996	251.7	8	VCP	15	100	85	$62,892	$629	$9,434	$53,458
1916	1955	185.1	8	VCP	56	100	44	$46,244	$462	$25,897	$20,347
1917	1955	165.0	8	VCP	56	100	44	$41,214	$412	$23,080	$18,134
1929	1955	493.1	6	VCP	56	100	44	$110,520	$1,105	$61,891	$48,629
1930	1955	443.7	6	VCP	56	100	44	$99,450	$995	$55,692	$43,758
1931	1955	315.3	8	VCP	56	100	44	$78,788	$788	$44,121	$34,667
1933	1955	167.9	6	VCP	56	100	44	$37,636	$376	$21,076	$16,560
1934	1955	243.3	6	VCP	56	100	44	$54,538	$545	$30,541	$23,997
1935	1955	133.1	8	VCP	56	100	44	$33,265	$333	$18,629	$14,637
1936	1955	298.6	8	VCP	56	100	44	$74,592	$746	$41,771	$32,820
1937	1955	28.0	8	VCP	56	100	44	$6,990	$70	$3,915	$3,076
1938	1955	21.8	8	VCP	56	100	44	$5,453	$55	$3,054	$2,400
1939	1955	253.5	6	VCP	56	100	44	$56,829	$568	$31,825	$25,005
1940	1955	247.0	6	VCP	56	100	44	$55,365	$554	$31,005	$24,361
1941	1956	391.2	4	VCP	55	100	45	$77,139	$771	$42,427	$34,713
1942	1955	565.7	6	VCP	56	100	44	$126,793	$1,268	$71,004	$55,789
1969	1999	416.6	12	VCP	12	100	88	$131,487	$1,315	$15,778	$115,709
1970	1999	428.4	12	VCP	12	100	88	$135,215	$1,352	$16,226	$118,989
1971	1999	424.6	12	VCP	12	100	88	$133,998	$1,340	$16,080	$117,918
1989	1978	123.7	8	VCP	33	100	67	$30,895	$309	$10,195	$20,700
1990	1978	124.4	8	VCP	33	100	67	$31,088	$311	$10,259	$20,829
1991	1978	347.7	8	VCP	33	100	67	$86,859	$869	$28,663	$58,196
1992	1978	201.6	8	VCP	33	100	67	$50,357	$504	$16,618	$33,739
1993	1978	274.1	8	VCP	33	100	67	$68,487	$685	$22,601	$45,887
1994	1978	342.9	8	VCP	33	100	67	$85,670	$857	$28,271	$57,399
1995	1978	77.2	8	VCP	33	100	67	$19,276	$193	$6,361	$12,915
1996	1978	219.2	8	VCP	33	100	67	$54,770	$548	$18,074	$36,696
1997	1978	411.7	8	VCP	33	100	67	$102,861	$1,029	$33,944	$68,917
1998	1978	385.3	8	VCP	33	100	67	$96,271	$963	$31,769	$64,501
1999	1978	349.0	8	VCP	33	100	67	$87,195	$872	$28,774	$58,421
2000	1978	266.3	8	VCP	33	100	67	$66,535	$665	$21,957	$44,579
2001	1978	410.9	8	VCP	33	100	67	$102,650	$1,027	$33,875	$68,776

Appendix A
Wastewater Collection System
Pipeline Asset Values

								Asset Value Using Current Replacement Costs			
Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
2002	1978	219.7	8	VCP	33	100	67	$54,896	$549	$18,116	$36,780
2003	1978	436.6	8	VCP	33	100	67	$109,087	$1,091	$35,999	$73,088
2004	1978	103.2	10	VCP	33	100	67	$29,007	$290	$9,572	$19,435
2005	1978	299.7	8	VCP	33	100	67	$74,870	$749	$24,707	$50,163
2006	1978	329.6	8	VCP	33	100	67	$82,348	$823	$27,175	$55,173
2007	1955	213.2	8	VCP	56	100	44	$53,261	$533	$29,826	$23,435
2023	1980	238.2	8	VCP	31	100	69	$59,518	$595	$18,451	$41,067
2024	1980	332.5	8	VCP	31	100	69	$83,073	$831	$25,753	$57,320
2025	1980	275.3	8	VCP	31	100	69	$68,786	$688	$21,324	$47,462
2026	1980	338.5	8	VCP	31	100	69	$84,585	$846	$26,221	$58,364
2027	1980	420.4	8	VCP	31	100	69	$105,028	$1,050	$32,559	$72,469
2028	1980	151.1	8	VCP	31	100	69	$37,741	$377	$11,700	$26,041
2029	1980	298.5	8	VCP	31	100	69	$74,591	$746	$23,123	$51,468
2030	1980	302.1	8	VCP	31	100	69	$75,478	$755	$23,398	$52,080
2031	1980	318.6	8	VCP	31	100	69	$79,599	$796	$24,676	$54,923
2032	1979	416.0	8	VCP	32	100	68	$103,926	$1,039	$33,256	$70,670
2033	1979	425.6	8	VCP	32	100	68	$106,335	$1,063	$34,027	$72,307
2034	1979	393.5	8	VCP	32	100	68	$98,326	$983	$31,464	$66,862
2035	1980	399.2	8	VCP	31	100	69	$99,737	$997	$30,919	$68,819
2036	1980	401.1	8	VCP	31	100	69	$100,209	$1,002	$31,065	$69,144
2037	1979	469.3	8	VCP	32	100	68	$117,264	$1,173	$37,524	$79,739
2038	1979	173.6	8	VCP	32	100	68	$43,363	$434	$13,876	$29,487
2039	1979	369.8	8	VCP	32	100	68	$92,389	$924	$29,565	$62,825
2041	1980	119.0	8	VCP	31	100	69	$29,740	$297	$9,219	$20,521
2044	1979	319.1	8	VCP	32	100	68	$79,718	$797	$25,510	$54,208
2045	1979	319.1	8	VCP	32	100	68	$79,730	$797	$25,514	$54,216
2046	1979	319.8	8	VCP	32	100	68	$79,899	$799	$25,568	$54,332
2052	1975	684.5	24	VCP	36	100	64	$398,809	$3,988	$143,571	$255,238
2053	1975	199.6	24	VCP	36	100	64	$116,268	$1,163	$41,857	$74,412
2066	2003	279.2	8	VCP	8	100	92	$69,761	$698	$5,581	$64,180
2073	1977	40.2	6	VCP	34	100	66	$9,016	$90	$3,065	$5,950
2075	1989	514.0	12	VCP	22	100	78	$162,226	$1,622	$35,690	$126,536
2078	1977	307.0	8	VCP	34	100	66	$76,692	$767	$26,075	$50,617
2081	2003	139.6	6	VCP	8	100	92	$31,292	$313	$2,503	$28,789
2082	1953	361.2	6	VCP	58	100	42	$80,971	$810	$46,963	$34,008
2083	1963	111.2	6	VCP	48	100	52	$24,920	$249	$11,962	$12,959
2090	1956	195.8	6	VCP	55	100	45	$43,892	$439	$24,140	$19,751
2091	1974	333.2	8	VCP	37	100	63	$83,256	$833	$30,805	$52,451
2210	1975	367.9	12	VCP	36	100	64	$116,115	$1,161	$41,801	$74,314
2211	1975	679.5	12	VCP	36	100	64	$214,447	$2,144	$77,201	$137,246
2212	1975	102.7	12	VCP	36	100	64	$32,396	$324	$11,663	$20,734
2213	1975	404.6	12	VCP	36	100	64	$127,698	$1,277	$45,971	$81,727
8573	1956	359.4	6	VCP	55	100	45	$80,564	$806	$44,310	$36,254
8580	1955	206.0	27	VCP	56	100	44	$137,577	$1,376	$77,043	$60,534
8583	1955	171.8	6	VCP	56	100	44	$38,515	$385	$21,568	$16,946
8600	1977	319.5	10	VCP	34	100	66	$89,771	$898	$30,522	$59,249
8629	1974	194.8	8	VCP	37	100	63	$48,673	$487	$18,009	$30,664
8631	1980	331.7	8	VCP	31	100	69	$82,878	$829	$25,692	$57,186
8662	1980	189.8	10	VCP	31	100	69	$53,335	$533	$16,534	$36,801
8673	1962	206.9	10	VCP	49	100	51	$58,140	$581	$28,489	$29,652
8674	1962	199.6	10	VCP	49	100	51	$56,072	$561	$27,475	$28,597
8675	1987	201.4	8	VCP	24	100	76	$50,313	$503	$12,075	$38,238
8679	1979	296.1	8	VCP	32	100	68	$73,977	$740	$23,672	$50,304
8680	1962	168.4	8	VCP	49	100	51	$42,065	$421	$20,612	$21,453
8681	1953	133.7	8	VCP	58	100	42	$33,399	$334	$19,371	$14,027
8695	1953	293.9	8	VCP	58	100	42	$73,439	$734	$42,594	$30,844
8744	1956	537.7	6	VCP	55	100	45	$120,522	$1,205	$66,287	$54,235
8746	1956	66.3	6	VCP	55	100	45	$14,858	$149	$8,172	$6,686
8749	1956	214.6	6	VCP	55	100	45	$48,108	$481	$26,460	$21,649
8750	1965	118.7	6	VCP	46	100	54	$26,596	$266	$12,234	$14,362
8751	1965	307.3	24	VCP	46	100	54	$179,008	$1,790	$82,344	$96,664
8752	1955	110.8	27	VCP	56	100	44	$74,000	$740	$41,440	$32,560
8753	1956	77.1	24	VCP	55	100	45	$44,946	$449	$24,720	$20,226
8757	1956	399.5	18	VCP	55	100	45	$177,945	$1,779	$97,870	$80,075
8761	1956	165.4	6	VCP	55	100	45	$37,068	$371	$20,388	$16,681
8762	1956	247.5	8	VCP	55	100	45	$61,838	$618	$34,011	$27,827
8782	1983	277.9	6	VCP	28	100	72	$62,278	$623	$17,438	$44,840
8783	1953	178.3	6	VCP	58	100	42	$39,960	$400	$23,177	$16,783
8784	1977	400.4	8	VCP	34	100	66	$100,031	$1,000	$34,011	$66,021
8785	1977	359.1	8	VCP	34	100	66	$89,710	$897	$30,501	$59,208
8786	1987	80.2	8	VCP	24	100	76	$20,028	$200	$4,807	$15,222
8835	1975	100.2	12	VCP	36	100	64	$31,610	$316	$11,379	$20,230
8857	1975	419.3	12	VCP	36	100	64	$132,328	$1,323	$47,638	$84,690
8858	1975	410.4	12	VCP	36	100	64	$129,529	$1,295	$46,630	$82,899

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Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
8859	1975	416.5	12	VCP	36	100	64	$131,460	$1,315	$47,326	$84,134
8860	1975	406.2	12	VCP	36	100	64	$128,186	$1,282	$46,147	$82,039
8861	1975	344.5	12	VCP	36	100	64	$108,731	$1,087	$39,143	$69,588
8862	1975	353.5	12	VCP	36	100	64	$111,555	$1,116	$40,160	$71,395
8863	1975	219.3	12	VCP	36	100	64	$69,202	$692	$24,913	$44,289
8864	1975	190.9	12	VCP	36	100	64	$60,243	$602	$21,687	$38,555
8865	1975	292.5	12	VCP	36	100	64	$92,317	$923	$33,234	$59,083
8866	1975	409.9	12	VCP	36	100	64	$129,367	$1,294	$46,572	$82,795
8867	1975	359.5	12	VCP	36	100	64	$113,471	$1,135	$40,849	$72,621
8868	1975	425.3	12	VCP	36	100	64	$134,228	$1,342	$48,322	$85,906
8869	1975	434.0	12	VCP	36	100	64	$136,978	$1,370	$49,312	$87,666
8870	1975	321.0	12	VCP	36	100	64	$101,306	$1,013	$36,470	$64,836
8877	1968	171.0	6	VCP	43	100	57	$38,332	$383	$16,483	$21,849
8878	1941	189.5	6	VCP	70	100	30	$42,475	$425	$29,733	$12,743
8884	1953	165.8	8	VCP	58	100	42	$41,430	$414	$24,029	$17,400
8889	1975	437.0	12	VCP	36	100	64	$137,930	$1,379	$49,655	$88,275
8890	1975	447.2	12	VCP	36	100	64	$141,149	$1,411	$50,814	$90,335
8891	1975	307.9	12	VCP	36	100	64	$97,186	$972	$34,987	$62,199
8892	1975	460.6	12	VCP	36	100	64	$145,371	$1,454	$52,334	$93,038
8893	1975	479.2	12	VCP	36	100	64	$151,244	$1,512	$54,448	$96,796
8894	1975	438.7	12	VCP	36	100	64	$138,450	$1,385	$49,842	$88,608
8895	1975	339.7	12	VCP	36	100	64	$107,205	$1,072	$38,594	$68,611
8896	1975	421.8	12	VCP	36	100	64	$133,130	$1,331	$47,927	$85,204
8897	1975	414.9	12	VCP	36	100	64	$130,946	$1,309	$47,140	$83,805
8898	1975	285.6	12	VCP	36	100	64	$90,123	$901	$32,444	$57,679
8899	1975	350.4	12	VCP	36	100	64	$110,579	$1,106	$39,808	$70,771
8900	1975	285.5	12	VCP	36	100	64	$90,100	$901	$32,436	$57,664
8901	1975	197.1	12	VCP	36	100	64	$62,210	$622	$22,396	$39,814
8902	1975	556.6	12	VCP	36	100	64	$175,667	$1,757	$63,240	$112,427
8921	1968	237.6	8	VCP	43	100	57	$59,374	$594	$25,531	$33,843
8922	1968	350.7	8	VCP	43	100	57	$87,615	$876	$37,675	$49,941
8929	1968	366.6	8	VCP	43	100	57	$91,585	$916	$39,382	$52,204
8930	1968	96.5	8	VCP	43	100	57	$24,119	$241	$10,371	$13,748
8933	1969	253.2	8	VCP	42	100	58	$63,251	$633	$26,565	$36,685
8934	1969	66.8	8	VCP	42	100	58	$16,696	$167	$7,012	$9,683
8935	1969	292.1	8	VCP	42	100	58	$72,984	$730	$30,653	$42,331
8936	1968	95.8	6	VCP	43	100	57	$21,463	$215	$9,229	$12,234
8954	1963	158.3	6	VCP	48	100	52	$35,491	$355	$17,036	$18,455
8964	1968	256.7	6	VCP	43	100	57	$57,533	$575	$24,739	$32,794
8966	1923	315.3	6	VCP	88	100	12	$70,667	$707	$62,187	$8,480
8967	1963	358.7	6	VCP	48	100	52	$80,403	$804	$38,593	$41,809
8968	1969	54.0	8	VCP	42	100	58	$13,490	$135	$5,666	$7,824
8977	1963	90.5	6	VCP	48	100	52	$20,280	$203	$9,734	$10,545
8993	1962	325.3	10	VCP	49	100	51	$91,419	$914	$44,795	$46,624
9003	1972	399.8	6	VCP	39	100	61	$89,606	$896	$34,946	$54,660
9004	1962	247.7	10	VCP	49	100	51	$69,592	$696	$34,100	$35,492
9006	1977	275.8	10	VCP	34	100	66	$77,503	$775	$26,351	$51,152
9026	1956	203.5	6	VCP	55	100	45	$45,603	$456	$25,082	$20,521
9027	1956	190.5	6	VCP	55	100	45	$42,704	$427	$23,487	$19,217
9030	1941	194.8	6	VCP	70	100	30	$43,669	$437	$30,568	$13,101
9039	1956	103.8	6	VCP	55	100	45	$23,262	$233	$12,794	$10,468
9040	1956	60.9	6	VCP	55	100	45	$13,654	$137	$7,509	$6,144
9041	1956	44.6	6	VCP	55	100	45	$9,998	$100	$5,499	$4,499
9042	1956	61.2	6	VCP	55	100	45	$13,723	$137	$7,548	$6,175
9043	1956	180.2	8	VCP	55	100	45	$45,017	$450	$24,759	$20,258
9044	1956	132.0	6	VCP	55	100	45	$29,588	$296	$16,273	$13,315
9045	1963	73.4	6	VCP	48	100	52	$16,442	$164	$7,892	$8,550
9047	1978	272.4	8	VCP	33	100	67	$68,068	$681	$22,462	$45,605
9056	1972	299.2	12	VCP	39	100	61	$94,424	$944	$36,825	$57,599
9057	1972	293.5	8	VCP	39	100	61	$73,336	$733	$28,601	$44,735
9058	1972	304.6	8	VCP	39	100	61	$76,092	$761	$29,676	$46,416
9059	1972	298.5	8	VCP	39	100	61	$74,567	$746	$29,081	$45,486
9060	1959	293.2	6	VCP	52	100	48	$65,718	$657	$34,174	$31,545
9061	1972	282.6	8	VCP	39	100	61	$70,594	$706	$27,532	$43,062
9062	1977	323.6	12	VCP	34	100	66	$102,114	$1,021	$34,719	$67,395
9063	1972	217.2	12	VCP	39	100	61	$68,543	$685	$26,732	$41,811
9064	1977	334.3	10	VCP	34	100	66	$93,921	$939	$31,933	$61,988
9066	1977	454.4	8	VCP	34	100	66	$113,536	$1,135	$38,602	$74,933
9068	1952	289.1	6	VCP	59	100	41	$64,789	$648	$38,225	$26,563
9069	1959	80.6	6	VCP	52	100	48	$18,069	$181	$9,396	$8,673
9070	1977	340.1	8	VCP	34	100	66	$84,981	$850	$28,894	$56,088
9071	1959	62.2	6	VCP	52	100	48	$13,931	$139	$7,244	$6,687
9072	1952	126.8	6	VCP	59	100	41	$28,410	$284	$16,762	$11,648
9073	1952	165.5	8	VCP	59	100	41	$41,353	$414	$24,398	$16,955

Appendix A
Wastewater Collection System
Pipeline Asset Values

Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Asset Value Using Current Replacement Costs: Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
9074	1952	139.2	8	VCP	59	100	41	$34,782	$348	$20,522	$14,261
9075	1952	299.2	8	VCP	59	100	41	$74,759	$748	$44,108	$30,651
9076	1952	80.3	6	VCP	59	100	41	$17,992	$180	$10,616	$7,377
9077	1968	419.5	8	VCP	43	100	57	$104,813	$1,048	$45,070	$59,744
9078	1968	309.5	8	VCP	43	100	57	$77,337	$773	$33,255	$44,082
9079	1952	398.5	4	VCP	59	100	41	$78,579	$786	$46,362	$32,218
9080	1952	131.7	4	VCP	59	100	41	$25,967	$260	$15,321	$10,646
9081	1978	425.5	8	VCP	33	100	67	$106,303	$1,063	$35,080	$71,223
9095	1961	210.1	6	VCP	50	100	50	$47,101	$471	$23,551	$23,551
9096	1961	296.7	6	VCP	50	100	50	$66,497	$665	$33,248	$33,248
9097	2003	214.7	6	VCP	8	100	92	$48,114	$481	$3,849	$44,265
9098	1953	94.2	6	VCP	58	100	42	$21,112	$211	$12,245	$8,867
9099	1953	140.8	6	VCP	58	100	42	$31,553	$316	$18,301	$13,252
9100	1953	279.3	6	VCP	58	100	42	$62,613	$626	$36,316	$26,297
9101	1962	308.9	8	VCP	49	100	51	$77,176	$772	$37,816	$39,360
9108	1953	145.6	8	VCP	58	100	42	$36,389	$364	$21,105	$15,283
9109	1953	193.4	6	VCP	58	100	42	$43,358	$434	$25,148	$18,210
9110	1953	97.5	6	VCP	58	100	42	$21,852	$219	$12,674	$9,178
9111	1953	142.2	6	VCP	58	100	42	$31,882	$319	$18,492	$13,390
9112	1953	96.1	6	VCP	58	100	42	$21,532	$215	$12,489	$9,043
9113	1953	86.2	8	VCP	58	100	42	$21,524	$215	$12,484	$9,040
9116	1953	81.7	6	VCP	58	100	42	$18,320	$183	$10,626	$7,694
9117	1953	40.1	6	VCP	58	100	42	$8,983	$90	$5,210	$3,773
9118	1953	48.3	6	VCP	58	100	42	$10,831	$108	$6,282	$4,549
9134	1962	266.5	10	VCP	49	100	51	$74,896	$749	$36,699	$38,197
9135	1977	68.4	10	VCP	34	100	66	$19,229	$192	$6,538	$12,691
9136	1977	122.7	10	VCP	34	100	66	$34,484	$345	$11,724	$22,759
9137	1970	55.4	6	VCP	41	100	59	$12,413	$124	$5,089	$7,324
9138	1977	56.8	8	VCP	34	100	66	$14,202	$142	$4,829	$9,373
9139	1980	64.8	8	VCP	31	100	69	$16,201	$162	$5,022	$11,179
9140	1974	54.0	8	VCP	37	100	63	$13,488	$135	$4,991	$8,498
9141	1980	53.5	8	VCP	31	100	69	$13,356	$134	$4,140	$9,216
9143	1976	159.1	8	VCP	35	100	65	$39,752	$398	$13,913	$25,839
9144	1953	263.3	6	VCP	58	100	42	$59,011	$590	$34,226	$24,785
9145	1953	137.3	6	VCP	58	100	42	$30,783	$308	$17,854	$12,929
9149	1965	504.5	24	VCP	46	100	54	$293,921	$2,939	$135,204	$158,718
9150	1965	185.0	24	VCP	46	100	54	$107,781	$1,078	$49,579	$58,202
9151	1996	72.3	8	VCP	15	100	85	$18,061	$181	$2,709	$15,351
9152	1996	55.7	8	VCP	15	100	85	$13,911	$139	$2,087	$11,824
9165	1956	271.1	8	VCP	55	100	45	$67,742	$677	$37,258	$30,484
9166	1956	76.9	6	VCP	55	100	45	$17,231	$172	$9,477	$7,754
9167	1955	67.8	8	VCP	56	100	44	$16,928	$169	$9,479	$7,448
9171	1965	39.2	24	VCP	46	100	54	$22,842	$228	$10,507	$12,335
9172	1915	22.9	8	VCP	96	100	4	$5,719	$57	$5,490	$229
9201	1980	300.2	10	VCP	31	100	69	$84,345	$843	$26,147	$58,198
9202	1961	105.0	6	VCP	50	100	50	$23,544	$235	$11,772	$11,772
9207	1961	222.2	6	VCP	50	100	50	$49,814	$498	$24,907	$24,907
9208	1961	181.4	6	VCP	50	100	50	$40,668	$407	$20,334	$20,334
9209	1972	61.3	6	VCP	39	100	61	$13,749	$137	$5,362	$8,387
9211	1980	65.0	8	VCP	31	100	69	$16,229	$162	$5,031	$11,198
9227	1977	422.4	8	VCP	34	100	66	$105,534	$1,055	$35,882	$69,653
9229	1977	346.9	8	VCP	34	100	66	$86,669	$867	$29,468	$57,202
9236	1977	239.7	8	VCP	34	100	66	$59,876	$599	$20,358	$39,518
9241	1961	530.8	8	VCP	50	100	50	$132,611	$1,326	$66,306	$66,306
9242	1961	315.5	8	VCP	50	100	50	$78,820	$788	$39,410	$39,410
9243	1961	344.6	8	VCP	50	100	50	$86,109	$861	$43,055	$43,055
9244	1961	217.4	8	VCP	50	100	50	$54,313	$543	$27,157	$27,157
9328	1961	143.4	6	VCP	50	100	50	$32,150	$321	$16,075	$16,075
9349	2008	352.3	30	VCP	3	100	97	$267,160	$2,672	$8,015	$259,145
9350	2008	519.2	30	VCP	3	100	97	$393,639	$3,936	$11,809	$381,830
9351	2008	461.9	30	VCP	3	100	97	$350,227	$3,502	$10,507	$339,720
9352	2008	305.0	30	VCP	3	100	97	$231,244	$2,312	$6,937	$224,307
9353	2008	260.8	30	VCP	3	100	97	$197,743	$1,977	$5,932	$191,810
9354	2008	113.0	30	VCP	3	100	97	$85,660	$857	$2,570	$83,090
9355	2008	341.0	30	VCP	3	100	97	$258,564	$2,586	$7,757	$250,807
9356	2008	173.2	30	VCP	3	100	97	$131,312	$1,313	$3,939	$127,372
9357	2008	144.6	30	VCP	3	100	97	$109,643	$1,096	$3,289	$106,354
9364	1953	136.5	12	VCP	58	100	42	$43,070	$431	$24,981	$18,089
9366	1955	208.3	27	VCP	56	100	44	$139,146	$1,391	$77,922	$61,224
9369	1956	156.7	8	VCP	55	100	45	$39,158	$392	$21,537	$17,621
9372	1978	130.7	8	VCP	33	100	67	$32,646	$326	$10,773	$21,873
9380	1976	175.5	6	VCP	35	100	65	$39,343	$393	$13,770	$25,573
9382	1961	10.7	8	VCP	50	100	50	$2,680	$27	$1,340	$1,340
9383	1961	10.6	8	VCP	50	100	50	$2,659	$27	$1,329	$1,329

Appendix A
Wastewater Collection System
Pipeline Asset Values

Facility ID	Year Built	Length (ft)	Diamater (in)	Material	Age	Useful Life	Years Left	Asset Value Using Current Replacement Costs: Replacement Cost New (RCN)	Annual Depreciation	Accumulated Depreciation	RCN Less Depreciation (RDNLD)
9384	1986	127.4	8	VCP	25	100	75	$31,824	$318	$7,956	$23,868
9386	1963	87.7	8	VCP	48	100	52	$21,915	$219	$10,519	$11,396
9392	1979	152.2	8	VCP	32	100	68	$38,031	$380	$12,170	$25,861
9393	1962	35.1	10	VCP	49	100	51	$9,870	$99	$4,836	$5,034
9394	1974	112.2	10	VCP	37	100	63	$31,524	$315	$11,664	$19,860
9396	1979	104.5	6	VCP	32	100	68	$23,412	$234	$7,492	$15,920
9397	1975	50.4	8	VCP	36	100	64	$12,597	$126	$4,535	$8,062
9398	1977	21.8	8	VCP	34	100	66	$5,446	$54	$1,852	$3,594
9403	1968	597.9	8	VCP	43	100	57	$149,378	$1,494	$64,233	$85,146
9406	1978	69.4	8	VCP	33	100	67	$17,340	$173	$5,722	$11,618
9407	1978	133.3	8	VCP	33	100	67	$33,297	$333	$10,988	$22,309
9412	1978	143.6	10	VCP	33	100	67	$40,357	$404	$13,318	$27,039
Totals		**721,769**						**$189,617,900**	**$2,344,600**	**$56,528,100**	**$133,089,700**

RESOLUTION NO. 11-xx

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF EL PASO DE ROBLES APPROVING REVISED WASTEWATER FACILITY CHARGES

WHEREAS, the City of Paso Robles operates a wastewater collection, treatment, and disposal system that is available to serve existing residents and new development alike; and

WHEREAS, the City retained the firm of Kennedy/Jenks Consultants to undertake a comprehensive review of the City's wastewater facility charges, which was presented to the City Council on September 6, October 4, October 18, and November 1, 2011; and

WHEREAS, Kennedy/Jenks Consultants determined that revenues generated by the existing wastewater connection fees (i.e. wastewater facility charges) are inadequate to pay for new development's proportional costs of system improvements which are necessary to sustain operations in compliance with the Regional Water Quality Control Board's Time Schedule Order No. R3-2011-0213 and other requirements; and

WHEREAS, in accordance with state law, copies of the report prepared by Kennedy/Jenks Consultants, dated September 21, 2011, have been and are available for public review and copying; and

WHEREAS, a phased facility charge increase will provide the necessary revenues to provide a reliable, well-maintained infrastructure system to serve community needs; and

WHEREAS, on September 6, 2011, City Council instructed staff to send out advance notices regarding consideration for adoption of revised wastewater facility charges; and

WHEREAS, notices and information regarding the October 4 and November 1, 2011, public hearings on the adoption of the proposed wastewater facility charges, in compliance with the requirements of Government Code Section 66016, were published in a newspaper of general circulation and sent to interested parties;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF EL PASO DE ROBLES DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. The City Council finds that all of the above recitals are true and correct and are incorporated herein by reference.

SECTION 2. The City Council of the City of El Paso de Robles hereby approves and adopts the schedule of wastewater facility charges, attached hereto as Exhibit A and incorporated herein by reference, to become effective January 1, 2012. All permittees must pay the entire amount of the fee in effect at the time of issuance of building permit, taking into account credit for any amounts paid prior to building permit issuance:

SECTION 3. The City Council of the City of El Paso de Robles hereby finds and determines that the proposed wastewater facility charges do not exceed the estimated reasonable cost of providing the service for which the fee is to be charged. This finding is based on the study conducted by Kennedy/Jenks Consultants, dated September 21, 2011, and incorporated herein by reference, the staff report and other testimony and information presented at the public hearing.

SECTION 4. The City Council finds, under Public Resources Code section 21080(b)(8) and Title 14 of the California Code of Regulations, Section 15273 (a) that this Resolution is exempt from the requirements of the California Environmental Quality Act ("CEQA") in that it is not a "project," but instead consists of the modification, restructuring and approval of rates which are for the purpose of meeting the City's expenses for

capital projects necessary to maintain service within existing service areas. The City Council therefore, directs that a Notice of Exemption be filed with the County Clerk of the County of San Luis Obispo in accordance with CEQA Guidelines.

SECTION 5. That said wastewater facility charges shall be reviewed no less than biennially (every two years) in conjunction with the update of the City's four-year financial plan to ensure that the wastewater facility charges then in existence do not exceed the estimated reasonable cost of providing the public facilities and services for which they are imposed.

PASSED AND ADOPTED by the City Council of the City of El Paso de Robles this 1st day of November 2011.

AYES:
NOES:
ABSTAIN:
ABSENT:

Duane Picanco, Mayor

ATTEST:

Caryn Jackson, Deputy City Clerk

Exhibit A

WASTEWATER FACILITY CHARGE SCHEDULE

Residential Charges – Per Unit	Equivalent Dwelling Units (EDUs)	Charges effective Jan 1, 2012	Charges effective Jan 1, 2013	Charges effective Jan 1, 2014
Single Family Dwelling, including Condominiums	1	$7,300	$9,100	$10,900
Multi-Family Dwellings	0.9	$6,570	$8,190	$9,800

Non-Residential Charges – Per water meter size	Water Meter size (inches)	EDUs	Charges effective Jan 1, 2012	Charges effective Jan 1, 2013	Charges effective Jan 1, 2014
Non-Residential Accounts – All Types	5/8 & 3/4	1.00	$7,300	$9,100	$10,900
	1	1.67	$12,200	$15,200	$18,200
	1.5	3.33	$24,300	$30,300	$36,300
	2	5.33	$38,900	$48,500	$58,100
	3	10.00	$73,000	$91,000	$109,000

For the purposes of assessing wastewater facility charges, Non-Residential Accounts are any accounts not specifically noted as Residential herein. Non-Residential Accounts include Industrial Users as defined per Section 14.08.040 of the Municipal Code.
Multi-Family Dwellings, as defined in the Paso Robles General Plan Land Use Element, refers to buildings that comprise two or more dwelling units under common ownership; apartment complexes to be charged as Multi-Family dwelling unit. Condominiums are residential units titled under separate ownership with underlying parcel under common ownership. Condominium units served by individual water meters, mobile homes, pre-fabricated homes, and planned community of detached homes shall be charged as Single Family Dwellings.

For the purposes of assessing wastewater facility charges, the following development types are considered Non-Residential and shall be charged based on water meter size:

- Long-term care facilities;
- Hotels;
- Recreational vehicle parks; and
- Other developments with transient occupancy.

Facility Charges for Large Non-Residential Accounts:
Facility charges for Non-Residential accounts requiring water meters larger than 3-inches will be based on plumbing fixture requirements of the most current edition of the California Plumbing Code and the wastewater generation factors in the most current edition of Metcalf & Eddy's *Wastewater Engineering.* The facility charge will be based on the resulting estimate of wastewater generation, expressed in terms of equivalent dwelling units (EDUs) times the charge per EDU in effect at that time. However, in no case shall the facility charge be less than that associated with a 3-inch water meter. Currently, 200 gallons of wastewater generation per day equate to one equivalent dwelling unit.

Facility Charges for Non-Residential Accounts Not Receiving City Water:
Facility charges for Non-Residential accounts that receive water service from a non-City source shall be based on either a) the water meter size associated with the non-City source, or b) plumbing fixture requirements of the most current edition of the California Plumbing Code and the wastewater generation factors in the most current edition of Metcalf & Eddy's *Wastewater Engineering.* The facility charge will be based on the resulting estimate of wastewater generation, expressed in terms of equivalent dwelling units (EDUs) times the charge per EDU in effect at that time. However, in no case shall the facility charge be less than that associated with one EDU.

Secondary Dwelling Units: Facility charges for secondary dwelling units added to Single Family-zoned properties shall be assessed the Multi-Family Dwelling facility charge then in effect.

Conversion of Property Use: Additional facility charges shall be assessed when intensification or conversion of a property use requires an additional non-irrigation water meter, or meters, or an increase in the size of an existing water meter. Credit shall be given for the existing water meter based on the facility charge then in effect, but in no case shall a facility charge refund be administered for a decrease in the size of an existing water meter.

Developments that Utilize Pressurized Toilet Flush Valves: Pressurized toilet flush (flushometer) valves require a larger water supply line than conventional gravity tank flush toilets or air-assisted flush tank toilets to maintain adequate water pressure and flow. This may lead a developer to install a larger water meter than if the development had conventional toilets. In such cases, wastewater facility charges will be based on the water meter size that would normally be required if that development had conventional toilets. In order to qualify for the lower wastewater facility charge, the developer must demonstrate through calculations based on the California Plumbing Code what the smaller water meter size would be.

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24 October 2011

Mr. Doug Monn
Director of Public Works
City of Paso Robles
1000 Spring Street
Paso Robles, California 93446

Subject: Wastewater Facility Charge Study – Alternative Methods
K/J 0983010*10

Dear Mr. Monn:

Per your request, we have prepared a brief discussion of alternative methods typically used to develop and administer facility charges. As we understand it, the purpose of this discussion, provided as Attachment A, is to provide some additional information on the applicability of the different methods, why the Capacity Buy-In Approach has been developed for the City's Wastewater Facility Charges, and what other options may now be available to the City.

This memo is not intended to describe all possible alternative methods if the City was starting from scratch. Rather, its purpose is to provide additional background regarding the proposed and other alternative methods and their relative usefulness with respect to the City's current position, as documented by Kennedy/Jenks Consultants in our Final Wastewater Facility Charge Study, dated September 6, 2011.

I hope the City finds the attached information helpful. Please contact us if you have any questions or need additional information.

Very truly yours,

KENNEDY/JENKS CONSULTANTS

Roger Null, V.P.
Project Manager

Attachment A

Utility Facility Charges (Connection Fees) – An Overview

Communities throughout the U.S.A. charge water and sewer facility capacity charges to recover the costs of new development's impact on local utility systems. The purpose of this charge is to assure that future customers pay their share of system costs, both to recoup costs invested in oversizing the existing system and to pay for future facilities needed to support growth.

Without these charges, existing utility customers would bear the financial burden of oversized systems, thereby subsidizing growth.

California Government Code Sections 66013, 66016, 66022 and 66023 are the primary statutes applicable to the development and recovery of "capacity charges" (historically known as connection fees). The focus of these code sections is summarized below:

- Communities must establish a "capacity charge" that is no more than the estimated cost of providing capacity in facilities in existence or to be constructed for the benefit of the customer charged.
- Revenues from those charges must be segregated from operating and maintenance funds and deposited in a separate fund.
- Those revenues may only be expended for the purpose for which the charges are collected.

These sections of Government Code indicate that utility facility charges should reflect new development's impact on the cost of capacity in a utility system. It should be noted however, that the documentation and supporting nexus for deriving the level of charges is not limited to a single method, acknowledging the fact that individual communities have unique circumstances that would result in charges that are appropriate to, and representative of, those circumstances. Courts have approved different charge structures and methods over the years such that there is variation in the approach and method.

The purpose of this memo is to describe alternative methods for determining utility connection fees and to render an opinion as to situations where each is appropriate. In addition, the City of Paso Robles' current situation with regard to wastewater facility charges and user rates is described along with the recommended charges.

1. Methods of Determining Facility Charges

Approaches to determining utility facility capacity charges range from a basic "incremental expansion" approach to a "capacity buy-in" (i.e. reimbursement) approach to a "plan-based" approach as follows:

a. Incremental Expansion Approach

Under this approach, capacity charges would be determined based only on *future* facilities needed to serve growth; it views existing facilities (pipes, pumps, treatment plants, etc.) as only benefiting existing customers.

The Incremental Expansion Approach does not recognize available system capacity as providing value; it looks only at future capital expenditures and the capacity these new facilities provide. Due to this restrictive view of system value, this approach usually results in the lowest capacity charges, which is why it is the method most favored by new development.

The Incremental Expansion Approach is sometimes appropriate in planned communities that face high growth rates and where the existing system is only a fraction of the planned system; i.e., in circumstances where development must pay for, build and primarily use the main line capacity required. However, this method is rarely used today under any circumstances, and almost never used for mature communities.

b. Capacity Buy-In or Reimbursement Approach

Under this method, capacity charges are determined based both on future facilities needed to serve growth and the excess/available capacity already built into the existing pipes, pumps, and treatment plants. The fundamental difference then between the Capacity Buy-In and the Incremental Expansion Approach is that Capacity Buy-In acknowledges that:

- there is available capacity in the system, (otherwise the proposed connection could not be served);
- this available capacity provides value to growth (otherwise new development would have to build new facilities); and
- existing customers (who paid for the existing public utility system) are entitled to be reimbursed by growth for the available capacity that was installed on growth's behalf.

Developers often suggest that it is development that has paid for excess capacity. In reality however, facility charges are usually inadequate to fund the facility oversizing needed for growth. Therefore existing customers advance the costs for these facilities through the steady cash flow generated from user charges. Current customers are the group that stands to be reimbursed.

The Capacity Buy-In (Reimbursement) Approach is by far the predominant method of determining facility charges in California today, largely because most established communities now have mature utility systems with excess capacity to serve growth; this built-in capacity has value, and growth should reimburse ratepayers for installing a system that is ready to serve them. If ratepayers were not reimbursed, they would be considered to be subsidizing growth.

c. Plan-Based Approach

Both methods described above assume that the charge is determined on a community-wide basis. Another approach is to calculate charges by benefit areas. This approach identifies individual "zones of benefit" so that fees for each zone are based on an assessment of the cost of providing utility service to that area. Typically reserved for very large communities or those that have separate utility systems, the Plan-Based Approach requires calculating area-specific flows and growth potential matched up with area-specific estimated costs. It is administratively burdensome, can have an indirect effect on property values, fosters divisiveness within a community, and typically requires periodic re-examination, thereby creating a multitude of rates and charges as the calculations become more particularized for smaller zones of benefit. Its application is generally limited to the same conditions where the Incremental Expansion Approach is appropriate. **Table 1** illustrates the three methods described above.

Table 1
Sample Home Town, U.S.A

	Est. Value	Population		
	$, millions	Current	Planned Growth	
Existing Wastewater System Value				
Neighborhood East	$150			
Neighborhood West	$75			
Neighborhood on the Hill	$25			
Total =	**$250**			
Planned Capital Projects				
Neighborhood East	$110	20,500	18,500	
Neighborhood West	$50	8,000	1,000	
Neighborhood on the Hill	$35	1,500	500	
Total =	**$195**	**30,000**	**20,000 ==>**	**50,000 Future Popul**
Incremental Expansion Approach				
Reimbursement to Existing Customers	**$0**	(No reimbursement included for excess capacity)		
Growth's Incremental Share of Planned Capital Projects				
Neighborhood East	$52			
Neighborhood West	$6			
Neighborhood on the Hill	$9			
Total Share in Capital Projects =	**$67 ==>**	**$9,045**	**Connection Fee Using Inc. Approach**	
Capacity Buy-In, or Reimbursement Approach				
Reimbursement to Existing Customers	**$100**	= Est. value of excess capacity		
Growth's Incremental Share of Planned Capital Projects				
Neighborhood East	$52			
Neighborhood West	$6			
Neighborhood on the Hill	$9			
Total Share in Capital Projects =	**$67**			
Growth's Share in Existing Capacity and Future Capital =	**$167 ==>**	**$22,545**	**Connection Fee Using Cap. Buy-in Approach**	
Plan-Based Approach (Reimbursement Method as Basis)				
Reimbursement to Existing Customers				
Neighborhood East	$71	= Est. value of excess capacity by neighborhood		
Neighborhood West	$8			
Neighborhood on the Hill	$6			
Growth's Incremental Share of Planned Capital Projects				
Neighborhood East	$52			
Neighborhood West	$6			
Neighborhood on the Hill	$9			
Fee Calculation by Neighborhood				
Neighborhood East		**$16,220**	**Connection Fee by Neighborhood Using Plan-Based Approach**	
Neighborhood West		**$4,838**		
Neighborhood on the Hill		**$27,450**		

2. Valuations

In addition to varying methods for determining utility facility charges, various methods for estimating existing and future asset values can be followed.

Future asset values, such as for planned pump stations or treatment plants, are estimated based on an engineer's estimates of similar facility costs, usually escalated to the planned year of construction. The accuracy of future asset cost estimates depends upon the extent of planning/design work performed and future market conditions, among other factors.

There are several ways to estimate the value of excess capacity in existing utility systems. However, inherent in each valuation approach is a comprehensive system inventory and determination of excess capacity by component. For example, a community's wastewater system can include hundreds of miles of sewage lines plus pump stations, manholes, treatment plants, and disposal facilities. The components can vary in age and type (PVC pipe vs. AC pipe, for example). The more complete a community's asset inventory is, the more precisely its estimated value can be measured.

For the Capacity Buy-In, Reimbursement Approach, the system's excess capacity must also be established. This is customarily done by utility modeling/master planning and provides the basis for the future system capital improvement program, the primary element of future system asset valuation.

One other aspect of system valuation is the basis for deriving system value. In performing a system valuation, several fundamental questions must be answered:

- How accurate is our fixed asset inventory of utility assets?
- Which assets should be included in value -- all assets including cash reserves?
- Should there be an appraisal of all utility-owned property so it can be included?
- Is original installation cost or replacement cost more appropriate in asset valuation?
- Should replacement cost be adjusted for depreciation?

Experts use various approaches. California courts recognize all as viable, if they are supported by documentation and reasonable analysis. For Paso Robles, Kennedy-Jenks Consultants advises using replacement cost at today's market conditions less depreciation to determine wastewater facility charges. The primary reasons for this are that (1) the City maintains a fairly comprehensive asset inventory; and (2) depreciating the value avoids over-stating the excess capacity value to growth. The Replacement Cost New Less Depreciation approach is widely used by public agencies throughout the U.S. and is also recognized by the California Public Utilities Commission as a valuation approach for the appraisal of regulated private utility companies subject to public acquisition.

3. Method Appropriate for Paso Robles

So, what is the appropriate method for determining wastewater facility charges for Paso Robles? The relevant factors are:

a. The sewer system is well-established and tens of millions of dollars have been invested in building excess capacity for planned growth; and

b. Paso Robles' sewer system is fully integrated and all wastewater is sent to one treatment plant via a series of main trunk lines; and

c. The City maintains a good fixed asset inventory upon which to estimate the value of the existing system; and

d. The City's wastewater collection system master plan and computer model were last updated in 2007, providing a basis for estimating excess capacity; and

e. On September 6, 2011, the Council approved proposing wastewater rates that were based, in part, on anticipated reimbursement from growth through updated wastewater Facility charges, and .

f. Water facility charges (adopted in 2009) were based on the Capacity Buy-In, Reimbursement Approach.

Based on all of the above, it is Kennedy/Jenks opinion that the Capacity Buy-In, Reimbursement Approach is the most appropriate method to follow for the City's Wastewater Facility Charges.

4. Options for Consideration

While the previous sections have discussed the different methods for developing facility charges and why the Capacity Buy-In, Reimbursement Approach is recommended, the Council may consider a variation to the proposed wastewater facility charges.

For example, the facility charges could be phased-in in over five years rather than three, as currently proposed. The three-year phasing plan was recommended for wastewater so that it, too, would be at full level at the same time as water charges. However, a five-year phasing plan in a manner similar to water would also be reasonable, although it may adversely affect the City's Sewer Fund should the California Department of Corrections facility require capacity prior to FY 15-16.[1]

Another option that does not appear to alter the established allocation of costs between existing customers and new development would be a Plan-Based Approach combined with Capacity Buy-In. This would likely result in average facility charges comparable to what is currently proposed. Such a regional benefit overlay would segregate the value of the existing system and the associated Capital Improvement Program by benefit area.

Moreover this approach would likely have several negative impacts (administrative complexity, effect on property values, etc.) that could outweigh the positives. Significant additional work would be required to complete this asset-specific assessment and probably necessitate a similar study for the water utility for consistency.

One other option may be available. Staff is currently reviewing water billing information to assess whether a lower wastewater flow per equivalent dwelling unit ("EDU") may be warranted. A lower flow per EDU would likely reduce the average residential facility charges.

[1] CDCR is contemplating an expanded facility at the California Youth Authority near the Paso Robles Airport and in current Wastewater Fund analyses, projected to pay its facility charges in FY 15-16.

The Kennedy/Jenks study was based on data from existing planning studies (the 2007 Master Plan, 2009 Wastewater Facility Plan Report), and the growth demands projected in the Water Facility Charge Study, which supported a 200 gallon per day value. Based on discussions with staff, Kennedy/Jenks recommends that the City study water usage for one additional winter water billing period to see if a lower flow per EDU would be justified in setting facility charges.

Finally, as the Council knows, Templeton Community Services District has stated it intends to disconnect from the City wastewater system and redirect its flows to its own system. Should that occur within 5 years, there will be a need to re-evaluate the City's facility charges and wastewater rates for adequacy and appropriateness. As such, the facility charges may need re-adjustment in the near future to reflect this significant change in service demands.

5. Summary

Utility facility charges are levied to recover the costs of new development's impact on local utility systems. Paso Robles' wastewater system is well-established and excess capacity has been paid for by existing customers in anticipation of growth. The sewer system is integrated with all flow entering a single wastewater treatment plant via a single trunk line network, discharging at a single point. Proposed wastewater user rates were developed based on certain shared costs between both users and growth, just like water rates. Changing to a method that lowers long-term wastewater facility charges now would shift costs to existing users and could raise user fees.

Moreover, altering the method used to derive wastewater charges could necessitate the need to alter the method used for water facility charges, with similar results on the Water Fund.

Given this, it is my professional opinion that the Capacity Buy-In, Reimbursement Approach is the appropriate method for determining wastewater facility charges for Paso Robles and should continue to be used for valuing its utility systems.

About the Author: Roger Null is Vice President of Kennedy/Jenks Consultants, Inc., with more than 30 years experience in cost allocation and utility rate assessments. He was initially trained in cost allocation while employed with Union Carbide Corporation, a Fortune 500 company, and began his career in utility ratemaking while employed by the City of Dallas, one of the ten largest cities in the U.S. During his 25 years with Kennedy/Jenks, Mr. Null has been involved in over 100 rate studies, 40 master plans, depreciation studies, asset inventories, and has performed the valuation and appraisals of private water systems for acquisition by local public agencies. He is noted as a leading professional in the field of utility rate studies and financial planning.

Because of this, Mr. Null was listed as one of a handful of individuals/firms in California by Concerned Citizens of Paso Robles in 2008 when that group was pushing for an independent assessment of water rates.

Mr. Null's role in Paso Robles is to assist in solving complex utility management problems, and to serve as a trusted advisor - not policy maker. He remains dedicated to developing a rate and fee plan that meets the needs of Paso Robles today and tomorrow, a plan that aligns with City goals and objectives, and conforms to the law.