City of

DINUBA | CALIFORNIA





Water and Sewer Rate Study

November 4, 2016

Final Report





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Section 1 - Introduction

1.1. Introduction

Willdan Financial Services ("Willdan") was retained by the City of Dinuba, California ("City") to conduct a Water and Sewer Rate Study ("Rate Study") for the City's water and sewer utilities ("Utilities"). This report details the results of the Rate Study analysis for the ten-year forecast period, Fiscal Year (FY) 2014-15-FY 2023-24, the results of which are presented in this Rate Study Report.

The results of the Rate Study presented herein are a financial plan and rate structure designed to provide revenues sufficient to fund the ongoing operating and capital costs necessary to operate the City's water and sewer utilities, while meeting the financial requirements and goals set forth by the City for the water and sewer enterprise funds.

1.2. Overview of the Rate Study Process

The rate study process consists of three primary study components. First, a determination of the adequacy of system revenues to meet system expenses during the study forecast period must be made. The results of this analysis, known as the Revenue Sufficiency Analysis, is an assessment of the ability of the existing revenue stream to meet the projected financial requirements of the system during the forecast period and, to the extent required, the identification of the magnitude and timing of any required rate adjustments.

Next, a determination of the manner in which the utility incurs costs is made. The results of this analysis, known as the Cost of Service Analysis, are an allocation of system revenue requirements to each service (water/sewer), then further to functional cost categories, and finally to customer classes (such as residential or commercial).

Finally, specific rates and charges must be designed which provide sufficient revenue, as identified in the Revenue Sufficiency Analysis, to recover costs in a manner consistent with general rate-making practice, as identified in the Cost of Service Analysis. This final step is known as the Rate Design Analysis.



1.3. Organization of this Report

This Rate Study presents an overview of the rate-making concepts employed in the development of the analysis contained herein. The analysis is followed by a discussion of the data, assumptions and results associated with each component of the analysis. Finally, appendices with detailed schedules are presented for further investigation into the data, assumptions and calculations which drive the results presented in this Rate Study. The report is organized as follows:

- Section 1 Introduction
- Section 2 Overview of Utility Rate-Making Principles, Processes and Issues
- Section 3 Rate Study Development and Results
- Section 4 Conclusions and Recommendations
- Appendix A Water Financial Plan
- Appendix B Sewer Financial Plan
- Appendix C Water Cost of Service Analysis and Rate Design

1.4. Reliance on Data

During the course of this project the City (and/or its representatives) provided Willdan with a variety of technical information, including cost and revenue data. Willdan did not independently assess or test for the accuracy of such data – historic or projected. We have relied on this data in the formulation of our findings and subsequent recommendations, as well as in the preparation of this report. As is often the case, there will be differences between actual and projected data, and these differences may be significant. Therefore, we take no responsibility for the accuracy of data or projections provided by or prepared on behalf of the City, nor do we have any responsibility for updating this report for events occurring after the date of this report.

1.5. Acknowledgements

We wish to extend our appreciation to the City and its staff for their cooperation during the progress of this study. In particular, we would like to thank Ms. Blanca Beltran, Public Works Director, Mr. George Avila, Business Manager and Mr. Cass Cook, Finance Director.





Section 2 - Overview of Utility Rate-Making Principles, Processes and Issues

2.1. Introduction

The Rate Study utilized generally accepted rate-making principles which resulted in the development of rates and charges which are projected to: 1) generate sufficient revenue to meet the financial requirements of the utilities, 2) address the need to recover costs from users in a manner which is fair and equitable relative to service provided, and 3) meet the rate design goals of the utilities. A discussion of some of the key principles of rate-making, and how the processes employed herein are guided by those principles, is presented below.

2.2. Discussion of General Rate-Making Principles

While the individual rates for each utility vary based on a variety of factors, the development of rates should, for the most part, be consistent with general rate-making principles set forth in utility rate-making practice and literature. The principle by which rate practitioners are guided is that rates designed for any utility should strike a reasonable balance between several key principles. In general, rates designed should:

- Generate a stable rate revenue stream which, when combined with other sources of funds, is sufficient to meet the financial requirements and goals of the utility
- Be fair and equitable that is, they should generate revenue from customer classes which is reasonably in proportion to the cost to provide service to that customer class
- Be easy to understand by customers
- Be easy to administer by the utility

Striking the appropriate balance between the principles of rate-making is the result of a detailed process of evaluation of revenue requirements and cost of service, and how those translate into the rate design alternatives which most closely meet the specific objectives of the individual utility under the circumstances in which the utility operates.



2.3. The Revenue Sufficiency Process

In order to develop rates and charges which generate sufficient revenue to meet the fiscal requirements of the utility, a determination of the annual rate revenue required must be completed. This rate revenue, combined with other sources of funds, is evaluated to determine whether the total revenue is sufficient to meet those fiscal requirements. This process is typically referred to as a Revenue Sufficiency Analysis.

The process employed in the Revenue Sufficiency Analysis results in the identification of revenue requirements of the system, such as operating expenses, capital expenses (minor and major), debt service expense (including a provision for debt service coverage), transfers out and the maintenance of both restricted and unrestricted reserves at appropriate levels. These revenue requirements are then compared to the total sources of funds during each year of the forecast period to determine the adequacy of projected revenues to meet projected revenue requirements. To the extent that the existing revenue stream is not sufficient to meet the annual revenue requirements of the system, a series of rate revenue increases are calculated which would be required in order to provide revenue sufficient to meet those needs.

2.4. The Cost Allocation Process

In order to provide guidance to the utility as to how to appropriately recover the rate revenue requirements identified in the Revenue Sufficiency Analysis, a Cost of Service Analysis is required.

The process employed in the Cost of Service Analysis results in the identification of the cost to provide service to customers. These cost allocations are then used as the basis for the assignment of revenue requirements to customer classes, upon which the development of rates and charges is based.

Two common approaches to the development of a cost of service analysis are based on the Base-Extra Capacity methodology, as detailed in the American Water Works Association (AWWA) M1 Manual – Principles of Water Rates, Fees and Charges and the Functional Cost Allocation methodology, as detailed in the Water Environment Federation (WEF) Manual 27 – Financing and Charges for Sewer Systems.

The general approach to the development of cost of service allocations under both the Base-Extra Capacity and Functional Cost Allocation methodologies is to: 1) identify the costs by functional cost category, 2) allocate the functionalized costs further to cost categories and then 3) allocate rate revenue requirements to customer classes based on the distribution of costs and customer characteristics.





The resulting allocations provide guidance to the rate practitioner which, combined with the other goals and objectives of the utility, provides the necessary information required to proceed to the development of utility rates and charges.

2.5. The Rate Design Process

With the rate revenue requirement determined in the Revenue Sufficiency Analysis, and the manner in which that rate revenue should be recovered determined in the Cost of Service Analysis, the development of specific rates and charges can commence.

Utilities consider a variety of factors in establishing rates, including cost allocation, customer impact, and ease of administration. The rate design process seeks to find the balance between the need to recover sufficient revenue in a fair and equitable manner and the need to do so within the constraints of other objectives which are unique to each utility. By understanding the types of customers served by the utility, and the general usage characteristics of those customers, a system of rates and charges can be developed that balances those many objectives while also generating sufficient revenue.

First, the rate design goals of the utility are reviewed to identify areas the utility wishes to address over the course of the Rate Study. Next, an assessment of the existing rate design is undertaken to identify what has worked well for the utility with regard to their specific goals and objectives, and the general goals and objectives of utility rate-making. This assessment typically also identifies areas for improvement which can provide guidance to the rate practitioner with respect to the design of future rates and charges.

After a review of the existing rates and charges, a dialog of how to build on the positive aspects of the existing structure and how to address deficiencies in the existing structure occurs with utility management and staff.

With an evaluation of the strengths and weaknesses of the existing rate structure and the goals of the utility going forward, the development of a new rate structure can begin. Development of a new rate structure which recovers the costs to provide service in a manner which achieves the goals of the utility in a manner consistent with standard rate-making practice requires an analysis of the projected usage characteristics of the customer base to which the rates will apply. This analysis is typically referred to as a billing frequency analysis.

The billing frequency analysis is provided through the billing system of the utility and then used by the rate-practitioner to accumulate billing statistics for each class of customer. Typical customer classes for





utilities consist of residential and non-residential, sometimes broken down into subcategories such as commercial, and industrial. Billing data allows for the development of rates based on the use of the system by each class. Alternative rate designs which account for customer usage patterns and also address various combinations of utility rate-making goals and rate-making principles can then be developed and reviewed by both the rate-practitioner and the utility regarding the viability of each rate structure designed.

With the identification of the rate revenue required, the manner in which those requirements should be recovered and the billing units to be used to recover the required revenue, specific rates and charges can then be developed. At the heart of successful rate design is the attempt to strike a proper balance between the many, sometimes competing, objectives of rate-making while ensuring generation of revenue sufficient to meet system financial requirements.

Additionally, in the State of California, rates must adhere to and conform to the State Constitution and the State's Water Code. More specifically, Proposition 218 (Prop 218) requires that property related fees and charges, such as water rates must not exceed the reasonable cost of providing the service associated with the fee or charge, and shall not exceed the proportional cost of the service attributable to the parcel that is subject to the fee or charge.

Besides ensuring compliance with State law, another key principle for a comprehensive rate study is found in economic theory, which suggests the price of a commodity must roughly equal its cost or value if equity among customers is to be maintained – i.e. cost based. For example, capacity-related costs are usually incurred by a water utility to meet peak use requirements. Consequently, the customers causing peak demands should pay for the demand-related facilities in proportion to their contribution to maximum demands.

Through refinement of costing and pricing techniques, consumers of a product are given a more accurate price point of what the commodity costs to produce and deliver their water needs. The above fundamentals have considerable foundation in economic literature and correlate to the cost of service principles of Proposition 218. The "price-equals-cost" theory provides the basis for much of the subsequent analysis and comment.

This rate study was performed to allocate the costs of providing service to users in order to ensure that rates are equitable and in compliance with Proposition 218 requirements. The total cost of serving each



customer class is determined by distributing each of the utility cost components among the user classes based upon the respective service requirements of each customer class. Therefore, a cost of service rate study enables water and sewer utilities to adopt rates based on the costs attributable to each customer class and corresponding accounts. The purposes of this rate study include defining the proportional allocation of costs of service to users and deriving unit costs to support the development of utility rates.

2.6. Financial Management Goals of the City

The establishment of specific financial management goals of a utility is a key step in developing financial plans which will ensure the financial health of the utility remains strong. The financial management goals of City are described below.

2.6.1 Minimum Unrestricted Working Capital Balance

In order to maintain a certain level of liquidity, the City has developed a goal of maintaining unrestricted working capital reserves in an amount greater than or equal to approximately 2 months of operating expenses.

2.6.2 Debt Service Coverage

The City currently has outstanding debt which contains covenants requiring the City to maintain rates and charges such that a debt service coverage ratio, defined as Current Year Net Revenues divided by Current Year Debt Service, be maintained at a minimum of 1.00. The coverage requirement of 1.00x is associated with all outstanding debt for each specific year the coverage is being calculated. The analysis presented herein meets this goal in each year of the forecast period. The debt service coverage requirement is intended to provide assurance to debt holders that the City will be able to meet its annual debt obligations.





Section 3 - Rate Study Development and Results

3.1. Revenue Sufficiency Analysis

3.1.1 General Methodology

In order to develop rates and charges which generate sufficient revenue to meet the fiscal requirements of the City, a determination of the annual revenue from rates which, combined with other sources of funds, will provide sufficient funds to meet those fiscal requirements must first be completed. This process is typically referred to as a Revenue Sufficiency Analysis.

The process employed in the Revenue Sufficiency Analysis resulted in the identification of revenue requirements of the system, such as operating expenses, capital expenses (minor and major), debt service expense (including a provision for debt service coverage, as applicable), transfers out and the maintenance of both restricted and unrestricted reserves at appropriate levels. These revenue requirements were then compared to the total sources of funds during each year of the forecast period to determine the adequacy of projected revenues to meet requirements. To the extent that the existing revenue stream was not sufficient to meet the annual revenue requirements of the system, a series of rate revenue increases were calculated to provide revenue sufficient to meet those needs.

3.1.2 Data Items

Key data items reviewed, discussed and incorporated into the Revenue Sufficiency Analysis were:

- Financial management goals of the City
- FY 2013-14 and FY 2014-15 fund balances
- FY 2015-16 and FY 216-17 budgets
- General assumptions related to:
 - Customer growth
 - Cost escalation factors
 - New debt

A discussion of the use of each of the above data items is presented below.





3.1.3 FY 2014-15 and FY 2015-16 Fund Balances

To better understand what funds the City will have on hand to start the forecast period, a detailed review of fund balances from the fiscal year (FY) 2013-14 and FY 2014-15 periods was discussed and reviewed with City staff. Assumptions were made to estimate the actual unrestricted cash (available cash) balances available at the end of FY 2014-15, and therefore at the beginning of FY 2015-16. A summary of the individual funds and fund balances associated with the water and sewer Utility Enterprise Funds for the end of FY 2014-15 and therefore the beginning of FY 2015-16, as adjusted for use in this analysis, is presented in Table 3-1 below.

| Table 3-1 Beginning Fund Balances Fiscal Year Ending June 30, 2015 | | |
|--|-----------|-----------|
| Description | Water | Sewer |
| Operations Fund | \$708,087 | \$741,830 |

3.1.4 FY 2015-16 Budget

Staff provided Willdan with the FY 2015-16 budget, and associated line-item detail, as the basis for the projection of financial performance for FY 2015-16. In addition, staff provided a copy of the line-item budget for FY 2015-16 to be used as the basis for the projection of future budgetary line-items for the remainder of the forecast period.

Cost escalation factors were reviewed by staff and were used to project line-item costs beyond the FY 2015-16 budget. Those factors were applied based on line-item cost classifications.

A summary of the FY 2015-16 budget, and subsequent projected budgetary expenses, is presented below in Table 3-2. A more detailed presentation of the line-item budgeted and projected revenues and expenses is presented in Schedules A-3 through A-5, B-3 through B-5 respectively, in the Appendices.

| Table 3-2 Operating Budget Fiscal Year Ending June 30, 2016 | | |
|---|----------------|--------------|
| Description | Water | Sewer |
| Operations and Maintenance Expenses | \$2,374,867 | \$2,142,397 |
| Debt Service | 443,321 | 938,663 |
| Transfers | <u>350,053</u> | <u>3,191</u> |
| Total Expenses | \$3,168,241 | \$3,084,251 |





3.1.5 Capital Improvements Plan (CIP)

The City provided Willdan with a forecast of capital requirements for the ten-year study period. This capital forecast was escalated by Willdan for use in the analysis.

A summary table of the CIP (both cash and debt funded) for the FY 2014-15 – 2020-21 study period is presented below in Table 3-3. The CIP for the full 10-year forecast period is presented in Schedules A-6 and B-6, respectively, in the Appendices.

| Capital Ir | Table 3-3 Capital Improvement Plan Fiscal Years Ending June 30 (\$ thousands) | | | | | | | | | | | |
|------------|---|----------|------------|--------------|--------------|---------------|---------------|--|--|--|--|--|
| | 2016 2017 2018 2019 2020 2021 Total | | | | | | | | | | | |
| Water | | | | | | | | | | | | |
| Cash | \$80 | \$110 | \$150 | \$180 | \$220 | \$250 | \$990 | | | | | |
| Debt | <u>0</u> | <u>0</u> | <u>206</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>206</u> | | | | | |
| Total | 80 | 110 | 356 | 180 | 220 | 250 | 1,196 | | | | | |
| WW | | | | | | | | | | | | |
| Cash | \$0 | \$50 | \$90 | \$120 | \$160 | \$200 | \$620 | | | | | |
| Debt | <u>0</u> | <u>0</u> | <u>0</u> | <u>3,000</u> | <u>3,000</u> | <u>11,000</u> | <u>17,000</u> | | | | | |
| Total | 0 | 50 | 90 | 3,120 | 3,160 | 11,200 | 17,620 | | | | | |
| Total | \$80 | \$160 | \$446 | \$3,300 | \$3,380 | \$11,450 | \$18,816 | | | | | |

3.1.6 Outstanding Debt

The City, like many utilities, has utilized long-term debt to fund capital assets in the past. The City has both outstanding water and sewer debt, and is anticipated to issue new debt in the future to fund significant water and sewer cost projects. Issuance of debt provides a reasonable matching between the facilities or infrastructure to be constructed and the rate payers who will be benefiting from the assets. Because the debt is retired over time, new customers who connect to the system in the future will share (through their rates) in the cost of the assets that they will benefit from through their use of the system.

3.1.7 General Assumptions

In order to develop the financial and rate projections, certain assumptions were made with regard to elements of the revenue sufficiency analysis. A summary of those assumptions is presented below.

3.1.7.1. Growth

The City anticipates growth of 2% per year based on their analysis of current City Growth projections and trends.





3.1.7.2. O&M Escalation Factors

Willdan worked with City staff to identify reasonable cost escalation factors to be applied to operations and maintenance expenses in recognition of increasing costs over time. It was determined that a 2% inflationary factor represented a reasonable estimate of annual cost increases during the study period. There were, however, some expenses which were anticipated to have one time changes in cost over and above the projected 2% increase.

3.1.7.3. New Debt Assumptions

In order to fund the City's water CIP, it is anticipated that new debt will be required. Specifically, a debt issuance of \$2 million in FY 2017-18 for a new well and transmission main (well 21). In order to fund the sewer CIP, debt issuance of \$28 million between FY 2018-19 and FY 2021-22 for the design and construction of the wastewater reclamation facility upgrade and expansion is projected. As the City evaluates its capital program with respect to the timing and cost estimates of the new well and wastewater treatment plant upgrades and expansion, the timing of debt issuances may be shifted. The following details the assumptions related to new debt projected during the forecast period:

- Revenue Bonds
 - Term 30 Years
 - Rate 2.0%
 - Issuance costs 2.0%
 - Debt Service Coverage Requirement 1.00

3.1.8 Results of the Revenue Sufficiency Analysis

After a thorough review of the above-mentioned data elements, a draft of the Revenue Sufficiency Analysis was developed and reviewed with City staff. This draft provided the forum in which various alternative assumptions were discussed, tested and evaluated for both their reasonableness and their impact upon the ultimate financial health of the utility. The resulting financial plan presented herein is the embodiment of the data, assumptions and review process undertaken with City staff in several meetings.



3.1.8.1. Rate Revenue Increases Required

Our analysis of the water and sewer utilities indicate that each utility will not generate sufficient revenue to meet their respective operations and maintenance, capital and debt service throughout the study period, based on current revenue levels. Revenue increases are required in order to maintain the financial integrities of the water and sewer utilities.

Table 3-4 below reflects our projections of revenue increases during the forecast period in order for the City to meet its ongoing operational costs and meet minimum prudent financial and system maintenance standards.

| Table 3-4 Projected Rate Revenue Increases Fiscal Years Ending June 30 | | | | | | | | | |
|---|-----------|-----------|--|--|--|--|--|--|--|
| Water Rate Sewer Rate | | | | | | | | | |
| | Revenue | Revenue | | | | | | | |
| Description | Increases | Increases | | | | | | | |
| 2015-16 | 0.0% | 0.0% | | | | | | | |
| 2016-17 | 18.0% | 25.0% | | | | | | | |
| 2017-18 | 5.0% | 12.0% | | | | | | | |
| 2018-19 | 5.0% | 0.0% | | | | | | | |
| 2019-20 | 0.0% | 6.0% | | | | | | | |
| 2020-21 | 0.0% | 4.0% | | | | | | | |

The City has not undertaken any water rate increases for several years, and has only increased sewer rates by small increases in recent years. Holding rates low occurred in conjunction with the recent drought which has resulted in lower revenues due to restrictions on the amount of irrigation water that customers could use. The combined effect of these two factors resulted in the City reducing the annual repair and replacement capital program and a drawdown of reserve funds.

The revenue projections in Table3-4, anticipate higher revenue increases in the early years of the study period in order to "catch up" on capital repair and maintenance needs as well as prepare for increased costs (debt service) associated with future year treatment plant upgrades.

A more detailed presentation of the pro forma, including a fund balance reconciliation and projection of annual debt service coverage, is presented in Schedules A-1 and B-1 in the Appendices.



3.1.8.2. <u>Summary of Revenue Sufficiency Analysis</u>

The resulting financial plan is presented in Table 3-5, which provides for funding of projected revenue requirements based on the provided current knowledge of expected expenditure forecasts during the forecast period, and is projected to meet or exceed the financial operations of the City.

A more detailed presentation of the financial plan, including fund balance reconciliations for each fund for the full 10-year forecast period, is presented in Schedules A-1 and B-1 in the Appendices.

| Table 3-5 | | | | | | | | | | | |
|-----------------------------|--------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--|--|--|--|
| Projected Net Operating | Projected Net Operating Fund Results | | | | | | | | | | |
| Fiscal Years 2014-15- to 2 | 2020-21 | | | | | | | | | | |
| (\$ thousands) | | | | | | | | | | | |
| Description | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | | | | |
| Water | | | | | | | | | | | |
| Beginning Fund Balance | \$771 | \$708 | \$204 | \$340 | \$386 | \$393 | \$556 | | | | |
| | | | | | | | | | | | |
| Total Operating Revenue | 2,693 | 2,514 | 3,039 | 3,178 | 3,394 | 3,462 | 3,531 | | | | |
| Operating Expenses | <u>2,060</u> | 2,375 | 2,003 | 2,230 | 2,346 | 2,264 | <u>2,275</u> | | | | |
| Net Revenue | 633 | 139 | 1,036 | 948 | 1,049 | 1,198 | 1,256 | | | | |
| <u>Less</u> : | | | | | | | | | | | |
| Other Uses of Funds | <u>696</u> | <u>643</u> | <u>899</u> | 903 | <u>1,041</u> | <u>1,036</u> | <u>1,087</u> | | | | |
| Net Cash Flow | (63) | (505) | 137 | 46 | 8 | 162 | 169 | | | | |
| | | | | | | | | | | | |
| Ending Fund Balance | \$708 | \$204 | \$340 | \$386 | \$393 | \$556 | \$724 | | | | |
| | | | | | | | | | | | |
| Debt Service Coverage Ratio | 2.39 | 0.80 | 2.85 | 3.03 | 2.69 | 3.55 | 3.97 | | | | |
| Target | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| Sewer | | | | | | | | | | | |
| Beginning Fund Balance | \$1.057 | \$742 | \$597 | \$388 | \$404 | \$643 | \$544 | | | | |
| | | | | | | | | | | | |
| Total Operating Revenue | 2,827 | 2,828 | 3.656 | 4,054 | 4,135 | 4,465 | 4,733 | | | | |
| Operating Expenses | <u>2,010</u> | <u>2,142</u> | <u>2,186</u> | <u>2,286</u> | <u>2,358</u> | <u>2,433</u> | <u>2,507</u> | | | | |
| Net Revenue | 818 | 685 | 1,471 | 1,768 | 1,777 | 2,033 | 2,226 | | | | |
| <u>Less</u> : | | | | | | | | | | | |
| Other Uses of Funds | <u>1,133</u> | <u>830</u> | <u>1,679</u> | <u>1,753</u> | <u>1,538</u> | <u>2,132</u> | <u>2,238</u> | | | | |
| Net Cash Flow | (315) | (145) | (209) | 15 | 239 | (99) | (12) | | | | |
| | A | 4 | 4 | 4 | 46 | 4 | 4 | | | | |
| Ending Fund Balance | \$742 | \$597 | \$388 | \$404 | \$643 | \$544 | \$532 | | | | |
| | | | | | | | | | | | |
| Debt Service Coverage Ratio | 0.97 | 1.07 | 1.36 | 1.73 | 1.88 | 1.37 | 1.39 | | | | |
| Target | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |



3.2. Cost of Service Analysis

3.2.1 General Methodology

In order to provide guidance to the City as to how to adequately recover the water rate revenue requirements identified in the Revenue Sufficiency Analysis, in a manner consistent with generally accepted rate-making principles, a Cost of Service Analysis was conducted.

The Cost of Service Analysis resulted in the identification of the cost to provide service to customers based on functional cost categories and the services they received from the City. These cost allocations were then used as the basis for the assignment of revenue requirements to customer classes upon which the development of rates and charges presented herein is based.

The water cost of service was based on the Base Extra Capacity methodology as detailed in the American Water Works Association (AWWA) Manual M1 – Principles of Water Rates, Fees and Charges.

The general approach to the development of cost of service allocations under the Functional Cost Allocation methodologies was to: 1) identify the costs by functional cost category / service, 2) allocate the functionalized costs further to cost categories and then to 3) allocate the rate revenue requirements to customer classes based on the distribution of costs and customer characteristics. The Cost of Service Analysis and results are presented below.

3.2.2 Allocation to Cost Categories

The water costs are allocated on their need to meet base demand, peak demand (max day and max hour water needs), as well as customer service costs such as billing and collection. Table 3-6 summarizes the cost of service based allocation of the City's water costs.

| Table 3-6 Water System - Summary of Functional Allocations to Cost Categories Fiscal Year 2016-17 | | | | | | | | | | |
|--|-------------|-----------------|-----------|----------------|----------------|----------------|-------------|--|--|--|
| Functional Cost | Total | Dana | May Day | Max | Meters & | Billing & | Total | | | |
| Functional Cost | Total | Base | Max Day | Hour | Services | Collection | Total | | | |
| Treatment & Distribution | \$556,537 | \$164,170 | \$120,646 | \$271,721 | \$- | \$- | \$556,537 | | | |
| Administration & Transfers | 1,835,127 | 1,376,345 | - | - | 229,391 | 229,391 | 1,835,127 | | | |
| Debt Service | 510,297 | 510,297 | - | - | - | - | 510,297 | | | |
| Non-Operating Revenue/Changes in | | | | | | | | | | |
| Reserves (1) | (96,211) | <u>(67,992)</u> | (4,000) | <u>(9,009)</u> | <u>(7,605)</u> | <u>(7,605)</u> | (96,211) | | | |
| Total | \$2,805,750 | \$1,982,820 | \$116,646 | \$262,712 | \$221,786 | \$221,786 | \$2,805,750 | | | |

(1) A positive value results in an increase of reserves through rates, while a negative value indicates use of non-operating revenue and existing reserves to meet annual expenses in addition to rates.



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Table 3-6 illustrates the costs to provide water service to customers. Total costs are allocated to functional categories such as treatment or transmission and distribution and then to cost categories such as base or max day. The cost categories are then used to distribute costs to each respective customer class such as residential or commercial.

The Cost of Service Analysis presented herein sets forth how to appropriately recover the rate revenue requirements for FY 2016-17. The allocations presented herein were used, along with the other goals and objectives of the utility, in the development of the water rates and charges presented in the next section.

3.3. Rate Design Analysis

3.3.1 General Methodology

With the rate revenue requirement determined in the Revenue Sufficiency Analysis, and allocations previously described in the Cost of Service Analysis, the development of specific rates and charges was completed as described below.

First, the rate design goals of the City were reviewed to identify areas the City wanted to address over the forecast period included in this Rate Study. Next, an assessment of the existing rate design was completed to identify areas which have worked well for the City with regard to their specific goals and objectives, and the general goals and objectives of utility rate-making. This analysis was conducted consistent with the provisions of Proposition 218.

With an evaluation of the existing rate structure, and the goals of the City going forward, the analysis required for the development of alternative rate structures was then completed. Cost of service and rate design schedules can be found in Appendix C.

3.3.2 Review of Existing Rate Structure

The City's current water rates and charges are comprised of a monthly base charge which includes the first 1,200 cubic feet of water use and a flow rate per hundred cubic feet. The volumetric rate for water is based on a declining block structure for all customers. Residential sewer customers are assessed a flat monthly charge. Commercial customers are assessed a fixed monthly charge and a flow rate per hundred cubic feet, while industrial customers are assessed a flow base rate per 100 cubic feet and a strength charge for their biochemical oxygen demand (BOD) and suspended solids (SS) contributions.





The review of existing rates and charges indicates they are consistent with industry standards. Table 3-7 below presents the existing rate structure of the City.

| Table 3-7 Existing Water and Sewer Rate Structures Fiscal Year Ending June 30, 2015-16 | | |
|---|--------------|--------------|
| Category | Water System | Sewer System |
| Monthly Base Fee: | | |
| Residential | \$20.85 | \$26.63 |
| Commercial | 20.85 | 29.49 |
| Industrial | 20.85 | n/a |
| | | |
| Volume Rate (\$/100 cubic feet): | | |
| Residential | | |
| 0-1,200 cubic feet | \$0.000 | n/a |
| 1,201 – 10,000 cubic feet | 0.893 | n/a |
| Over 10,000 cubic feet | 0.671 | n/a |
| Commercial | | |
| 0-1,200 cubic feet | \$0.000 | 2.949 |
| 1,201 – 10,000 cubic feet | 0.893 | 2.949 |
| Over 10,000 cubic feet | 0.671 | 2.949 |
| Industrial | | |
| 0-1,200 cubic feet | \$0.000 | 1.446 |
| 1,201 – 10,000 cubic feet | 0.893 | 1.446 |
| Over 10,000 cubic feet | 0.671 | 1.446 |
| BOD First 15,000 lbs (lb per ccf) | n/a | 0.300 |
| BOD Next 15,000 lbs (lb per ccf) | n/a | 0.478 |
| BOD Over 30,000 lbs (lb per ccf) | n/a | 0.654 |
| SS (lb per ccf) | n/a | 0.284 |

3.3.3 Proposed Rate Structure Changes

3.3.3.1. Water Rates

Through discussions with City staff it was determined that there were areas of improvement with the current rate structure that would improve equity among customers, meet the City's goals and be consistent with AWWA rate making practices as well as prop 218 requirements. As such, the current water rate structure is proposed to be revised. The first revision is to adjust the rates themselves to reflect class cost of service. This involves a new rate structure specific to each class, such that each class is intended to recover the proportional costs they place on the system. The second revision was to change the tier differentials. The residential class will maintain a tiered structure, but it will be reduced to two tiers. The first tier represents average indoor water use for Dinuba residents, while the second tier represents discretionary or outdoor water use. Under, the revised structure customers will pay only for the water they use, providing greater control over their bill. Under the current structure a customer pays





for 1,200 cubic feet of water a month regardless of whether or not they use it. The proposed non-residential rate structure is proposed to change to the current industry trend of a uniform rate structure as opposed to the current tiered structure. The final revision that applies to all customers, is a change in the unit of measurement from cubic feet to thousands of gallons (kgals).

These revisions are proposed to adhere to Proposition 218 and the appropriate recovery of revenues to reflect the costs to serve each respective class. Table 3-8 illustrates the proposed monthly water fixed charges and volume rates for the next 5 years.

| Table 3-8 Proposed Water Rates Fiscal Years 2016-17 through FY | 2020-21 | | | | |
|---|---------|----------|---------|---------|---------|
| Charge/Rate | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 |
| Monthly Fixed Charge | \$11.80 | \$12.39 | \$13.01 | \$13.01 | \$13.01 |
| | Res | idential | | | |
| First 9,000 Gallons (\$/kgals) | 1.190 | 1.250 | 1.312 | 1.312 | 1.312 |
| Over 9,000 Gallons (\$/kgals) | 1.928 | 2.025 | 2.126 | 2.126 | 2.126 |
| | Com | nmercial | | | |
| All Use (per kgals) | 1.411 | 1.482 | 1.556 | 1.556 | 1.556 |
| | Inc | lustrial | | | |
| All Use (per kgals) | 1.484 | 1.559 | 1.637 | 1.637 | 1.637 |

The monthly fixed charge is assessed to all customers regardless of class and acts as a "readiness to serve" charge to ensure safe and reliable water systems such that customers can be assured of ongoing system maintenance and available water when the service is needed. The volumetric portion of a customer's bill are specific to each customer class as summarized in Table 3-8.

Residential rates have a 2-tier rate structure with the rate differentials between tiers based on the residential class' respective peaking factors for peak demand. The water system is designed to meet peak day demand needs of customers. Most of the year the water system operates an average level of demand and the capacity required to meet peak day and peak hour demand sits idle. However, the system must be sized to meet the peak demand when it occurs. This is an expensive way to operate a system and those customers whose demand require peak capacity, should pay for the cost of the peak capacity through their rates. The proposed rate structure recovers these costs through the 2-tier structure of the residential class.

The non-residential customer classes are proposed to be assessed a uniform rate specific to each customer class based on the respective demands and costs each class places on the water system.



3.3.3.2. Sewer Rates

Willdan did not identify any problems with the City's existing Sewer rate structure, and through discussions with City staff it was determined that the existing sewer structure is effectively meeting the City's goals and is consistent with WEF rate making practices. As such, no changes are proposed to the current sewer rate structure itself (aside from a unit change to kgals), but the rates themselves are proposed to increase in an across-the-board manner consistent with the financial plan projections. Table 3-9 provides a summary of the proposed rates.

| Table 3-9 Proposed Sewer Rates Fiscal Years 2016-17 through FY 2020 |)-21 | | | | | | | | | | |
|--|---------|---------|---------|---------|---------|--|--|--|--|--|--|
| Charge/Rate | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | | | | | | |
| Residential | | | | | | | | | | | |
| Per Month | \$33.29 | \$37.28 | \$37.28 | \$39.52 | \$41.10 | | | | | | |
| | Comm | ercial | | | | | | | | | |
| Per Month | 36.86 | 41.29 | 41.29 | 43.76 | 45.51 | | | | | | |
| Flow (per kgals) | 3.686 | 4.129 | 4.129 | 4.376 | 4.551 | | | | | | |
| | Indus | trial | | | | | | | | | |
| Flow (per kgals) | 1.808 | 2.024 | 2.024 | 2.146 | 2.232 | | | | | | |
| BOD - first 15,000 lbs (\$/lb/kgals) | 0.375 | 0.420 | 0.420 | 0.445 | 0.463 | | | | | | |
| BOD - next 15,000 lbs (\$/lb/kgals) | 0.598 | 0.669 | 0.669 | 0.709 | 0.738 | | | | | | |
| BOD - over 30,000 lbs (\$/lb/kgals) | 0.818 | 0.916 | 0.916 | 0.971 | 1.009 | | | | | | |
| SS (\$/lb/kgals) | 0.355 | 0.398 | 0.398 | 0.421 | 0.438 | | | | | | |

3.3.4 Data Review

In order to develop the rates and charges presented herein, a detailed review of pertinent data was conducted. A description of the data reviewed, and the review process employed, is presented below.

3.3.4.1. Billing Data Review

In order to develop rates and charges which recover sufficient revenue to meet the financial goals of the City in a manner consistent with the cost of service analysis and generally accepted rate-making practice, a detailed review of historical billing units was undertaken. The analysis resulted in the identification of the historical bills issued at each increment of consumption for each unique customer class in the system for the FY 2014-15 billing period. This analysis is used as the basis for the projection of billing units used in the development of rates and charges, and the projection of revenue, for the City.

3.3.4.1.1. Billing Data Validation

In order to validate that the data used in the analysis is reasonable for use in the determination of rates and charges which recover the target revenue requirement, a billing data validation was conducted.





The billing data validation consisted of a revenue test in which the rates and charges in place during the last full fiscal year, 2014-15, were applied to the billing data compiled from the City for the same period. The resultant revenue calculated was compared to the revenue collected in FY 2014-15, as provided by City staff.

This comparison resulted in the determination that the billing data was within accepted tolerances for use in rate making.

3.3.5 Comparisons

As part of the study we examined and compared the City's rates to those of neighboring entities. Figure 1 provides a comparison of the City's water and sewer rates at 9,000 gallons of water flow per month as well as the City's current monthly solid waste charge. These values represent the flows of the average residential customer in the City.

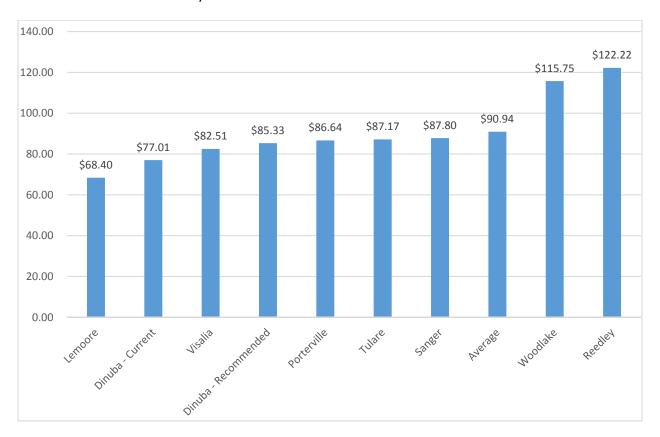


Figure 1 – Monthly Bill Comparison (9,000 gallons)



Final Report November 4, 2016



3.3.6 Summary of the Rate Study

The Rate Study presented herein utilized generally accepted rate-making principles which resulted in the development of rates and charges which are projected to: 1) generate sufficient revenue to meet the financial requirements of the utility, 2) address the need to recover costs from users in a manner which is fair and equitable relative to service provided, and 3) meet the financial and rate design goals of the City.



Section 4 - Conclusions and Recommendations

4.1. Conclusions

- Projected operating revenues and operating expenses for the forecast period were developed by,
 and/or in consultation with, City staff and are based upon reasonable projections.
- The projected capital project expenses have been developed by City staff, to address water and sewer system renewal, replacement and capacity regulatory needs.
- Based on Conclusions 1 and 2 above, we are of the opinion that the financial projections presented herein demonstrate the water and sewer utilities' ability to meet its obligations with regard to:
 - Operating expenses,
 - Non-operating expenses,
 - Capital project expenses, and
 - Key financial policies, including:
 - o Maintenance of at least 2 months of operating reserve balances,
 - Legal debt service coverage of at least 1.00
- The proposed rates presented herein are in conformance with industry standard rate-making practice,
 prop 218 and/or the City's rate policies with respect to:
 - The fair and equitable recovery of costs through the water and sewer rates,
 - Generation of sufficient revenue to fully recover system revenue requirements and reserve requirements,
 - Recovery of all customer costs and a portion of fixed costs through the water and sewer fixed charges.

4.2. Recommendations

- It is recommended that the City implement the proposed rates and charges presented in this Report for FY 2016-17 through FY 2020-21 effective January, 2017.
- It is recommended that the City update the revenue sufficiency analysis portion of this study each year to ensure projected revenue is sufficient to fund projected expenses going forward as assumptions made during this analysis may change and have a material impact upon the analysis.



Water and Sewer Rate Study

Final Report November 4, 2016



• It is recommended that the City update the cost of service analysis portion of this study every three to five years to ensure costs are recovered consistent with cost of service principles and customer characteristics.

City of Dinuba Pro Forma with Debt Service Coverage and Fund Balance Reconciliation

| Line No | | Reference | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|----------|--|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------|
| | Operations Fund | | | | | | | | | | | |
| 1 | Water Revenue Increases % of Year Rate Increase Effective | | 0.00% 100.00% | 0.00% 50.00% | 18.00% 100.00% | 5.00% 100.00% | 5.00% 100.00% | 0.00% 100.00% | 0.00% 100.00% | 0.00% 100.00% | 0.00% 100.00% | 0.00% 100.00% |
| 2 | Beginning Unrestricted Fund Balance | Sch A - 2, Line 26 \$ | 771,260 \$ | 708,087 \$ | 203,505 \$ | 340,091 \$ | 385,601 \$ | 393,324 \$ | 555,501 \$ | 724,160 \$ | 909,767 \$ | 1,066,407 |
| 3 | Rate Revenue 1 | Sch A - 3, Line 2 \$ | 2,506,120 \$ | 2,331,132 \$ | 2,805,750 \$ | 3,004,958 \$ | 3,218,310 \$ | 3,282,676 \$ | 3,348,330 \$ | 3,415,297 \$ | 3,483,603 \$ | 3,553,275 |
| 4 | Total Rate Revenue | \$ | 2,506,120 \$ | 2,331,132 \$ | 2,805,750 \$ | 3,004,958 \$ | 3,218,310 \$ | 3,282,676 \$ | 3,348,330 \$ | 3,415,297 \$ | 3,483,603 \$ | 3,553,275 |
| 5 | Other Operating Revenue | Sch A - 3, Line 12 | 184,342 | 181,027 | 231,797 | 171,357 | 174,189 | 177,076 | 180,015 | 183,391 | 186,835 | 190,347 |
| 6 | Interest Income - Operating Fund | Calc | 2,362 | 1,500 | 1,000 | 2,000 | 2,000 | 2,000 | 3,000 | 4,000 | 5,000 | 6,000 |
| 7 | Total Operating Revenue Operating Expenses | \$ Sch A - 4, Line 2 | 2,692,824 \$ (2,059,808) | 2,513,659 \$ (2,374,867) | 3,038,547 \$ (2,002,835) | 3,178,315 \$ (2,229,926) | 3,394,499 \$ (2,345,866) | 3,461,752 \$ (2,263,962) | 3,531,345 \$ (2,275,480) | 3,602,688 \$ (2,347,252) | 3,675,438 \$ (2,428,292) | 3,749,622 (2,553,311) |
| 9 | Net Revenue | SCITA - 4, LINE 2 | 633,016 \$ | 138,792 \$ | 1,035,712 \$ | 948,389 \$ | 1,048,633 \$ | 1,197,790 \$ | 1,255,864 \$ | 1,255,436 \$ | 1,247,146 \$ | 1,196,311 |
| , | Plus: Other Sources of Funds | Ψ | 000,010 ψ | 100,732 ψ | 1,000,712 ψ | 340,303 · ψ | 1,040,000 ψ | 1,101,100 ψ | 1,230,004 ψ | 1,200,400 φ | 1,247,140 ψ | 1,100,011 |
| 10 | Transfers In Less: | Sch A - 3, Line 13 | - | 150,000 | - | - | - | - | - | | - | - |
| | Other Uses of Funds | | | | | | | | | | | |
| 11 | Minor Capital | Sch A - 4, Line 4 \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - |
| 12 | Major Capital Funded with Existing Reserves/Current Cash | Sch A - 6, Line 12 | (050 000) | (050.050) | (000 000) | - | - (400 700) | - (400 004) | | (500 504) | (=0.4.0.40) | - (000 050) |
| 13 14 | Transfers Out Non Operating Expenses | Sch A - 4, Line 5 Sch A - 4, Line 3 | (252,868) | (350,053) | (388,829) | (392,583) | (436,768) | (489,894) | (541,488) | (560,561) | (581,240) | (603,658) |
| 14 15 | Non Operating Expenses Existing Revenue Bond Debt Service | Sch A - 4, Line 3 Sch A - 4, Line 6 | - (443,321) | - (443,321) | (510,297) | (510,297) | - (510,297) | - (451,872) | - (451,872) | - (415,421) | - (415,421) | - (415,421) |
| 16 | New SRF Debt Service | Sch A - 4, Line 6 | (443,321) | - (440,021) | (310,281) | (310,281) | (93,846) | (93,846) | (93,846) | (93,846) | (93,846) | (93,846) |
| 17 | Net Cash Flow | \$ | (63,173) \$ | (504,582) \$ | 136.586 \$ | 45.510 \$ | 7.723 \$ | 162.178 \$ | 168.659 \$ | 185.608 \$ | 156.639 \$ | 83.386 |
| | | • | | | | -, | , | | | | | |
| 18 19 | Ending Unrestricted Fund Balance Days of O&M | \$ | 708,087 \$ | 203,505 \$ | 340,091 \$ | 385,601 \$ | 393,324 \$ | 555,501 \$ | 724,160 \$ 116 | 909,767 \$ | 1,066,407 \$ 160 | 1,149,792 164 |
| 19 | Days of Okivi | | 125 | 31 | 02 | 03 | 01 | 90 | 110 | 141 | 100 | 104 |
| 20 | Target Unrestricted Fund Balance | Target | 343,301 | 395,811 | 333,806 | 371,654 | 390,978 | 377,327 | 379,247 | 391,209 | 404,715 | 425,552 |
| | Debt Service Coverage Calculations: Revenue Bond Debt Service Coverage Rate Covenant Debt Service Coverage Test: | | | | | | | | | | | |
| 21 | Net Revenue Available for Debt Service Coverage Test Revenue Bond Debt Service: | \$ | 1,059,124 \$ | 352,966 \$ | 1,453,167 \$ | 1,546,091 \$ | 1,626,468 \$ | 1,938,378 \$ | 2,165,699 \$ | 2,350,878 \$ | 2,499,227 \$ | 2,531,778 |
| 22 | Existing Revenue Bond Debt Service | | 443,321 | 443,321 | 510,297 | 510,297 | 510,297 | 451,872 | 451,872 | 415,421 | 415,421 | 415,421 |
| 23 24 | New SRF Debt Service Total Revenue Bond Debt Service | \$ | 443,321 \$ | 443,321 \$ | 510,297 \$ | 510,297 \$ | 93,846 604,143 \$ | 93,846 545,718 \$ | 93,846 545,718 \$ | 93,846 509,267 \$ | 93,846 509,267 \$ | 93,846 509,267 |
| 25 | Debt Service Coverage - Rate Covenant | Φ | 2.39 | 0.80 | 2.85 | 3.03 | 2.69 | 3.55 | 3.97 | 4.62 | 4.91 | 4.97 |
| 26 | Debt Service Coverage Requirement | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | | | | | | | | | | | | • |
| | Parity Debt Service Coverage Test: | _ | | | | | | | | | | |
| 27 | Net Revenue Available for Debt Service Coverage Test | \$ | 1,059,124 \$ | 352,966 \$ | 1,453,167 \$ | 1,546,091 \$ | 1,626,468 \$ | 1,938,378 \$ | 2,165,699 \$ | 2,350,878 \$ | 2,499,227 \$ | 2,531,778 |
| 28 29 | Maximum Revenue Bond Debt Service Debt Service Coverage - Parity Test | | 510,297 2.08 | 510,297 0.69 | 510,297 2.85 | 510,297 3.03 | 510,297 3.19 | 451,872 4.29 | 451,872 4.79 | 415,421 5.66 | 415,421 6.02 | 415,421 6.09 |
| 30 | Debt Service Coverage - Fairty Test Debt Service Coverage Requirement | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 30 | SRF Debt Service Coverage Test | | 7.00 | 7.00 | 7.00 | 7.00 | | | 7.00 | | | 7.00 |
| | SRF Test: | | | | | | | | | | | |
| 31 | Net Revenue Available for Debt Service Coverage Test Less: | \$ | 1,059,124 \$ | 352,966 \$ | 1,453,167 \$ | 1,546,091 \$ | 1,626,468 \$ | 1,938,378 \$ | 2,165,699 \$ | 2,350,878 \$ | 2,499,227 \$ | 2,531,778 |
| 32 | Existing Revenue Bond Debt Service | \$ | (443,321) \$ | (443,321) \$ | (510,297) \$ | (510,297) \$ | (604,143) \$ | (545,718) \$ | (545,718) \$ | (509,267) \$ | (509,267) \$ | (509,267) |
| 33 | Net Revenue Available for SRF Debt Service Coverage Test | \$ | 615,803 \$ | (90,355) \$ | 942,870 \$ | 1,035,794 \$ | 1,022,325 \$ | 1,392,660 \$ | 1,619,981 \$ | | 1,989,960 \$ | 2,022,511 |
| 34 35 | Existing SRF Debt Service New SRF Debt Service | \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - |
| 35 36 | Total SRF Debt Service | | | | - | | | | | | | |
| 37 | Debt Service Coverage - SRF Test | | - | - | = | - | - | - | - | - | - | - |
| 38 | Debt Service Coverage Requirement | | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 | 1.15 |
| | | | | | | | | | | | | |
| 26 | SDC Fund | 0-1-4-0-11-00-1 | _ | 404 400 = | 000 500 5 | 400 ==== = | 400 011 - | 440 =0.1 = | 00.000 + | 40 =00 + | (40.040) = | (00.010) |
| 39 40 | Beginning Balance Sources of Funds | Sch A - 2, Line 26 \$ Sch A - 3, Line 14 | - \$ 426,108 | 121,408 \$ 214,174 | 336,582 \$ 77,363 | 186,570 \$ 212,101 | 168,044 \$ 184,511 | 118,534 \$ 185,087 | 82,699 \$ 185,675 | 40,588 \$ 185,675 | (10,812) \$ 185,675 | (62,212) 185,675 |
| 40 | Interest Earnings | Calc | 300 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 100,070 | 100,070 | 100,070 | 100,075 |
| 42 | Uses of Funds other Than Major Capital | Sch A - 4, Line 12 | - | -,000 | (228,375) | (231,627) | (235,022) | (221,922) | (227,787) | (237,075) | (237,075) | (237,075) |
| 43 | Major Capital Funded with SDC Fund | Sch A - 6, Line 11 | (305,000) | - | - | - | - | - / | - ' | - | - | - 1 |
| 44 | Ending Balance | \$ | 121,408 \$ | 336,582 \$ | 186,570 \$ | 168,044 \$ | 118,534 \$ | 82,699 \$ | 40,588 \$ | (10,812) \$ | (62,212) \$ | (113,612) |
| | Capital Fund | | | | | | | | | | | |
| 45 | Beginning Balance | Sch A - 2, Line 26 \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - |
| 46 | Sources of Funds | Sch A - 3, Line 15 | - | 80,000 | 114,000 | 148,000 | 182,000 | 216,000 | 250,000 | 250,000 | 250,000 | 250,000 |
| 47 | Interest Earnings | Calc | - | - | - | - | - | - | - | | - | - |
| 48 | Uses of Funds other Than Major Capital | Sch A - 4, Line 15 | - | - (00.000) | - (444.000) | (148.000) | (182.000) | (216.000) | (250.000) | (250,000) | - (050 000) | (250.000) |
| 49 50 | Major Capital Funded with Capital Fund Ending Balance | Sch A - 6, Line 10 | - - \$ | (80,000) | (114,000) | (148,000) | (182,000) | (216,000) | (250,000) | (∠50,000) | (250,000) | (250,000) |
| 30 | Lituing Dalance |) | - Þ | - ş | - 4 | - ş | - 3 | - a | - 3 | - 3 | - 3 | |

City of DinubaBeginning Fund Balance Reconciliation

| | BEGINNING BALANCES | | | | | |
|----------|--|-----|--------------|--------|------|--------------|
| | | | | | | |
| Line No: | | Ope | rations Fund | SDC Fu | nd | Capital Fund |
| 1 | Current assets: | Φ. | 774 000 | • | • | |
| 2 | Pooled cash and investments | \$ | 771,260 | \$ | - \$ | - |
| 3 | Receivables (net of allowance for uncollectibles): | | | | | |
| 4 | Accounts and other | | | | | |
| 5 | Unbilled accounts | | | | | |
| 6 | Accrued interest | | | | | |
| 7 | Due from other funds | | | | | |
| 8 | Due from other governments | | | | | |
| 9 | Inventories | | | | | |
| 10 | Prepaid expenses | | | | | |
| 11 | Other assets | | | | | |
| 12 | Total Current Assets | \$ | 771,260 | \$ | - \$ | - |
| | | | | | | |
| | • (1) 1999 | | | | | |
| 10 | Current Liabilities: | | | | | |
| 13 | Accounts and contracts payable | | | | | |
| 14 | Accrued liabilities | | | | | |
| 15 | Accrued interest payable | | | | | |
| 16 | Current portion of long-term debt: | | | | | |
| 17 | Deposits payable | | | | | |
| 18 | Certificates of Participation | | | | | |
| 19 | Due to other funds | | | | | |
| 20 | Deferred revenue | | | | | |
| 21 | Total Current Liabilities | \$ | - | \$ | - \$ | - |
| | Adhietmente | | | | | |
| 22 | Adjustments: | | | | | |
| 22 | Removal of Inventories (Not Liquid) | | - | | - | - |
| 23 | Other Assets (Unkown Cash) | | - | | - | - |
| 24 | Net Adjustments | \$ | - | \$ | - \$ | - |
| | | | | | | |
| | Net Beginning Balances (Curr Assets less Current | | | | | |
| 25 | Liabilities - with Adjustments) | \$ | 771,260 | \$ | - \$ | - |

City of Dinuba Revenue

| O- d- | Description | 0045 | | Summary | 0040 | 0040 | 0000 | 0004 | 0000 | 0000 | |
|------------------|---|--------------|--------------------------------|----------------|--------------|--------------|--------------|--------------|-------------------|--------------|---|
| Code | Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2 |
| RR1 | Rate Revenue 1 | \$ 2,506,12 | | | | 3,218,310 \$ | 3,282,676 \$ | 3,348,330 \$ | 3,415,297 \$ | 3,483,603 \$ | |
| OR | Other Operating Revenue | 184,34 | | 231,797 | 171,357 | 174,189 | 177,076 | 180,015 | 183,391 | 186,835 | |
| TRIN | Transfers In | - | 150,000 | - | - | - | - | - | - | - | |
| Sources - Fund 2 | Sources of Funds - Fund 2 | 426,10 | 8 214,174 | 77,363 | 212,101 | 184,511 | 185,087 | 185,675 | 185,675 | 185,675 | |
| Sources - Fund 3 | Sources of Funds - Fund 3 | - | 80,000 | 114,000 | 148,000 | 182,000 | 216,000 | 250,000 | 250,000 | 250,000 | |
| INT - Fund 1 | Interest Earnings - Fund 1 | 2,36 | 2 1,500 | 1,000 | 2,000 | 2,000 | 2,000 | 3,000 | 4,000 | 5,000 | |
| INT - Fund 2 | Interest Earnings - Fund 2 | 30 | | 1,000 | 1,000 | 1,000 | 1,000 | - | - | - | |
| | <u> </u> | | ,,,,, | · | , | , | ,,,,,, | | | | _ |
| Code | Description | 2015 | 2016 | Detail 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | |
| | Operations Fund | | | | | | | | | | |
| RR1 - BEFORE | | | | | | | | | | | |
| GROWTH AND RATE | | | | | | | | | | | |
| INCR | Rate Revenue 1 | \$ 2,506,12 | | | | | | 3,282,676 \$ | 3,348,330 \$ | 3,415,297 \$ | |
| | Net Rate Revenue 1 | \$ 2,506,12 | 20 \$ 2,331,132 \$ | 2,331,132 \$ | 2,805,750 \$ | 3,004,958 \$ | 3,218,310 \$ | 3,282,676 \$ | 3,348,330 \$ | 3,415,297 \$ | |
| RR1 - Growth | Growth | 0.00% | 0.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | |
| | Revenue Increase | 0.00% | 0.00% | 18.00% | 5.00% | 5.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| | Pct of Year Revenue Increase Effective | 100.00% | 50.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 1 |
| RR1 | Total Rate Revenue 1 - After Revenue Increase | \$ 2,506.12 | | | | | | 3.348.330 \$ | 3,415,297 \$ | 3,483,603 \$ | |
| KKI | Total Nate Neverlue 1 - Alter Neverlue Increase | Ψ 2,300,12 | .0 \$\psi\$ 2,331,132 \$\psi\$ | 2,000,700 ψ | 5,004,550 ψ | 3,210,310 ¥ | 3,202,070 ¥ | 3,340,330 ¥ | 3,413,2 <i>31</i> | 3,403,003 ψ | |
| OR | User Fees | 90.26 | 2 86,000 | 87,720 | 89,474 | 91,264 | 93,089 | 94.951 | 96,850 | 98,787 | |
| OR | DBCP Settlement | 35.94 | | 36,666 | 37,033 | 37,403 | 37,778 | 38,155 | 38,918 | 39,696 | |
| OR | Water Svc Connection | 8,17 | | 10,200 | 10,200 | 10,200 | 10,200 | 10,200 | 10,200 | 10,200 | |
| OR | After Hours Svc Chg | 10 | | 1,020 | 1,020 | 1,020 | 1,020 | 1,020 | 1,020 | 1,020 | |
| OR | Delinguent Water On/Off | 37.8 | | 32.970 | 33.630 | 34.302 | 34.989 | 35.689 | 36.403 | 37.131 | |
| | | - 1- | | | | | - , | , | , | - / - | |
| OR | Miscellaneous Revenue | - | 1,500 | - | - | - | - | - | - | - | |
| OR | Warehouse Loan Repayment | 12,00 | | 63,221 | • | - | - | - | | - | |
| TRIN | Transfer In - Loan Repayment (Succ Agcy) | - | 100,000 | - | - | - | - | - | - | - | |
| TRIN | Transfer In - MTBE settlement | - | | - | | - | - | - | | - | |
| TRIN | Transfer In - General Fund | - | - | - | - | - | - | - | - | - | |
| | 1 | | | | | | | | | | |
| | Interest Earning Calculation | | | | | | | | | | |
| | Average Balance | \$ 738,00 | | | 362,000 \$ | 388,000 \$ | 473,000 \$ | 638,000 \$ | 815,000 \$ | 986,000 \$ | |
| | Assumed Interest Earnings Rate | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | |
| INT - Fund 1 | Projected Interest Earnings | \$ 2,36 | 2 \$ 1,500 \$ | 1,000 \$ | 2,000 \$ | 2,000 \$ | 2,000 \$ | 3,000 \$ | 4,000 \$ | 5,000 \$ | , |
| | SDC Fund | | | | | | | | | | |
| | 0ti D | 400.44 | 044474 | 77.000 | 040 404 | 404.544 | 405.007 | 405.075 | 405.075 | 405.075 | |
| | Operating Revenue | 426,10 | | 77,363 | 212,101 | 184,511 | 185,087 | 185,675 | 185,675 | 185,675 | |
| | Non Operating Revenue | - | | - | - | - | | - | - | - | |
| | Transfers In | - | • | - | - | - | - | - | - | • | |
| Sources - Fund 2 | Total Sources | 426,10 | 8 214,174 | 77,363 | 212,101 | 184,511 | 185,087 | 185,675 | 185,675 | 185,675 | |
| | Interest Earnings Calculation | | | | | | | | | | |
| | Average Balance | \$ 61.00 | 0 \$ 228,000 \$ | 261,000 \$ | 177.000 \$ | 143,000 \$ | 100.000 \$ | 62.000 \$ | 15,000 \$ | (37,000) \$ | |
| | Assumed Interest Earnings Rate | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | |
| INT - Fund 2 | Projected Interest Earnings | | 00 \$ 1,000 \$ | | | | | - \$ | - \$ | - \$ | |
| | Capital Fund | | | | | | | | | | |
| | | | | | | | | | | | |
| | Operating Revenue | - | - | - | - | - | - | - | | - | |
| | Non Operating Revenue | - | | | - | - | | - | - | - | |
| | Transfers In | - | 80,000 | 114.000 | 148,000 | 182,000 | 216,000 | 250.000 | 250,000 | 250,000 | |
| Sources - Fund 3 | Total Sources | - | 80,000 | 114,000 | 148,000 | 182,000 | 216,000 | 250,000 | 250,000 | 250,000 | |
| | | | | | | | | | | | |
| | Interest Familian Calculation | | | | | | | | | | |
| | Interest Earnings Calculation | | | | | | | | | | |
| | Average Balance Assumed Interest Earnings Rate | \$ - 0.5% | \$ - \$ 0.5% | - \$ | - \$ | - \$ 0.5% | - \$ 0.5% | - \$ 0.5% | - \$ 0.5% | - \$ | |

City of Dinuba
Expenses Other than Major Capital Expenses

| | | | Su | mmary - Operation | s Fund | | | | | | |
|------|----------------------------|--------------------|--------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|
| FUND | | | | | | | | | | | |
| # | Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 1 | Operating | \$ 2,059,808 \$ | 2,374,867 \$ | 2,002,835 \$ | 2,229,926 \$ | 2,345,866 \$ | 2,263,962 \$ | 2,275,480 \$ | 2,347,252 \$ | 2,428,292 \$ | 2,553,31 |
| 1 | Non Operating | - | - | - | - | - | - | - | - | - | - |
| 1 | Minor Capital | - | - | - | - | - | | - | - | - | - |
| 1 | Transfers | 252,868 | 350,053 | 388,829 | 392,583 | 436,768 | 489,894 | 541,488 | 560,561 | 581,240 | 603,658 |
| 1 | Existing Bond Debt Service | 443,321 | 443,321 | 510,297 | 510,297 | 510,297 | 451,872 | 451,872 | 415,421 | 415,421 | 415,421 |
| 1 | New Bond Debt Service | - | - | - | - | 93,846 | 93,846 | 93,846 | 93,846 | 93,846 | 93,846 |
| 1 | Existing SRF Debt Service | - | - | - | - | - | - | - | - | - | - 1 |
| 1 | New SRF Debt Service | - | - | - | - | - | - | - | - | - | - |
| | TOTAL | 2,755,997 | 3,168,241 | 2,901,961 | 3,132,805 | 3,386,776 | 3,299,574 | 3,362,686 | 3,417,080 | 3,518,798 | 3,666,236 |
| | | | | | | | | | | | |
| | | | | Summary - SDC F | und | | | | | | |

| | | | | | Summary - SDC | Fund | | | | | | |
|----|------|----------------------------|------|------|---------------|---------|---------|---------|---------|---------|---------|---------|
| | FUND | | | | | | | | | | | |
| 11 | # | Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 12 | 2 | Operating | - | - | | - | - | - | | | - | - |
| 13 | 2 | Existing Bond Debt Service | - | - | 228,375 | 231,627 | 235,022 | 221,922 | 227,787 | 237,075 | 237,075 | 237,075 |
| 13 | | TOTAL | - | - | 228,375 | 231,627 | 235,022 | 221,922 | 227,787 | 237,075 | 237,075 | 237,075 |
| | | | | | | | | | | | | |

| | | | | | Summary - Capit | al Fund | | | | | | |
|----|------|-------------|------|------|-----------------|---------|------|------|------|------|------|------|
| | FUND | | | | | | | | | | | |
| 14 | # | Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 15 | 3 0 | Operating | - | - | - | - | | | | | - | |
| 16 | T | TOTAL | • | - | - | • | - | - | - | - | | - |

| | | | | | Detail | | | | | | | |
|--------|---------------------------------|--------------------------------|-----------------|-----------------|-----------------------|-----------------|-----------------|------------------|------------------|------------------|-----------------------|---------------|
| 51ND # | Annual Expense Escalation | | | | 2247 | 2042 | 2010 | | | | | 0004 |
| FUND# | Factor | EXPENSES | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| | | Detail | | | | | | | | | | |
| | | | | | Operations | Fund | | | | | | |
| | | Water Services | | | | | | | | | | |
| | | Employee Services | | | | | | | | | | |
| 1 | 2.0% | Regular Salaries | 294,056 | 291,999 | 298,253 | 307,261 | 316,540 | 326,099 | 335,948 | 373,708 | 415,713 | 462,43 |
| 1 | 2.0% | Part-Time Salaries | 52,560 | 52,192 | 53,310 | 54,920 | 56,578 | 58,287 | 60,047 | 66,797 | 74,305 | 82,65 |
| 1 | 2.0% | Overtime | 6,874 | 6,826 | 6,972 | 7,183 | 7,400 | 7,623 | 7,854 | 8,736 | 9,718 | 10,81 |
| 1 | 2.0% | Stand-By Time | 4,237 | 4,208 | 4,298 | 4,428 | 4,561 | 4,699 | 4,841 | 5,385 | 5,991 | 6,66 |
| 1 | 2.0% | PERS Medicare | 54,581 5.009 | 54,199 4.974 | 55,360 | 57,032 5.234 | 58,754 5,392 | 60,529 5,555 | 62,357 5,723 | 69,366 6.366 | 77,162 7,081 | 85,83 7,87 |
| 1 | 2.0% | Medicare LTD/Life Insurance | 5,009 7.907 | 4,974 7.852 | 5,081 8.020 | 5,234 8,263 | 5,392 8,512 | 5,555 8,769 | 5,723 9.034 | 10.049 | 7,081 11.179 | 7,87 12.43 |
| 1 | 2.0% | Health/Dental/Vision Ins. | 7,907 94,147 | 93,489 | 95,491 | 98,375 | 101,346 | 104,406 | 107,560 | 119,649 | 133,098 | 148,05 |
| 1 | 2.0% | Workers' Compensation | 54,167 | 53,789 | 54,941 | 56,600 | 58,309 | 60,070 | 61,884 | 68,840 | 76,578 | 85,18 |
| 1 | 2.0% | Unemployment Insurance | 781 | 775 | 792 | 816 | 840 | 866 | 892 | 992 | 1,104 | 1.22 |
| 1 | 2.0% | Uniform Allowance | 4,434 | 4,403 | 4,498 | 4,634 | 4,774 | 4,918 | 5,066 | 5,636 | 6,269 | 6,97 |
| | 2.070 | Maintenance & Operations | -1,101 | 4,400 | 4,400 | 4,004 | 7,117 | 4,510 | 0,000 | 0,000 | 0,200 | 0,01 |
| 1 | 3.0% | Office Supplies | 1,890 | 2,500 | 1,032 | 1,053 | 1,074 | 1,095 | 1,117 | 1,139 | 1,162 | 1,18 |
| 1 | 2.0% | Operating Supplies | 111,050 | 165,000 | 115,000 | 117,300 | 119,646 | 122,039 | 124,480 | 126,969 | 129,508 | 132,09 |
| 1 | 2.0% | Lubricants & Fuels | 21,413 | 18,000 | 20,645 | 21,058 | 21,479 | 21,909 | 22,347 | 22,794 | 23,250 | 23,71 |
| 1 | 2.0% | Repair & Maint. Supplies | 3,147 | 2,000 | 15,000 | 15,300 | 15,606 | 15,918 | 16,236 | 16,561 | 16,892 | 17,23 |
| 1 | 2.0% | Small Tools | 434 | 500 | 1,032 | 1,053 | 1,074 | 1,095 | 1,117 | 1,139 | 1,162 | 1,07 |
| 1 | 2.0% | Safety Equipment & Supplies | 2,871 | 4,000 | 1,032 | 1,053 | 1,074 | 1,095 | 1,117 | 1,139 | 1,162 | 1,18 |
| 1 | 3.0% | Utilities | 264,624 | 265,000 | 255,000 | 262,650 | 270,530 | 278,645 | 287,005 | 295,615 | 304,483 | 313,61 |
| 1 | 2.0% | Prof. & Technical Services | 27,461 | 5,000 | 2,800 | 2,856 | 2,913 | 2,971 | 3,031 | 3,091 | 3,153 | 3,21 |
| 1 | 2.0% | Lab Testing | 20,505 | 28,000 | 25,375 | 25,883 | 26,400 | 26,928 | 27,467 | 28,016 | 28,576 | 29,14 |
| 1 | 2.0% | Contractual Services | 30,821 | 204,643 | 65,000 | 66,300 | 167,626 | 67,626 | 68,979 | 70,358 | 71,765 | 73,20 |
| 1 | 2.0% | Litigation | - | - | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,00 |
| 1 | 2.0% | Training and Vocational | 4,861 | 500 | 516 | 526 | 537 | 548 | 559 | 570 | 581 | 59 |
| 1 | 2.0% | Communication | 6,970 | 23,000 | 22,000 | 22,440 | 22,889 | 23,347 | 23,814 | 24,290 | 24,776 | 25,27 |
| 1 | 2.0% | Security | 346 | 1,032 | 1,032 | 1,053 | 1,074 | 1,095 | 1,117 | 1,139 | 1,162 | 1,18 |
| 1 | 2.0% | Maintenance | 14,803 | 14,000 | 13,612 | 13,884 | 14,162 | 14,445 | 14,734 | 15,029 | 15,330 | 15,63 |
| 1 | 2.0% | Special Dept. Expense | 25,726 | 10,000 | 3,461 | 3,530 | 3,601 | 3,673 | 3,746 | 3,821 | 3,897 | 3,97 |
| 1 | 2.0% | Uncollectible Account | 10,556 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,00 |
| | 0.00/ | Allocated Costs | | 44.000 | | 45.000 | 45.007 | 45.040 | 45.050 | 40.40- | 40.000 | |
| 1 | 3.0% | Liability Insurance | 14,757 | 14,222 | 14,741 | 15,036 | 15,337 | 15,643 | 15,956 | 16,435 | 16,928 | 17,43 |
| 1 | 3.0% | Prop/Fire Insurance | 7,919 | 5,120 | 3,822 | 3,898 | 3,976 | 4,056 | 4,137 | 4,261 | 4,389 | 4,52 |
| 1 | 3.0% 3.0% | Auto Insurance Risk Management | 120 23,440 | 1,972 19,309 | 2,206 19,087 | 2,250 19,469 | 2,295 19,858 | 2,341 20,255 | 2,388 20,660 | 2,460 21,280 | 2,533 21,918 | 2,60 22,57 |
| 1 | 3.0% | Vehicle Maintenance | 23,440 | 36.717 | 36,688 | 37,422 | 38,170 | 38,934 | 39,712 | 40,903 | 42,130 | 43,39 |
| 1 | 3.0% | Custodian | 30,781 | 25,639 | 24,252 | 24,737 | 25,232 | 38,934 25,736 | 39,712 26,251 | 40,903 27,039 | 42,130 27,850 | 28,68 |
| 1 | 3.0% | IT/Computer Support | 4,711 | 4,852 | 4,852 | 4,949 | 5,048 | 5,149 | 5,252 | 5,410 | 5,572 | 5,73 |
| 1 | 0.0% | Interdepartmental Overhead | 506.667 | 583.735 | 349.890 | 516.044 | 482.199 | 448.354 | 414.508 | 380.663 | 346.818 | 346,818 |
| ' | 0.0 /0 | interdepartmental Overhead | 300,007 | 303,733 | J -1 3,030 | 310,044 | 402,133 | 4-10,334 | 714,300 | 300,003 | J -1 0,010 | 340,010 |

| FUND# | Annual Expense Escalation Factor | EXPENSES | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|--------|---|---|-------------------|-------------------|------------------------|-------------------|-------------------|---------|---------|---------|---------|------|
| | | Detail | | | - | | | | · | · | | - |
| | | | | | Operations | Fund | | | | | | |
| 1 | 3.0% | Overhead - Utility Billing | 132.833 | 138,904 | 140.961 | 143,780 | 146,656 | 149.589 | 152.581 | 157,158 | 161.873 | 166 |
| 1 | 3.0% | Public Works Management Overhead | 120,935 | 129,775 | 153,798 | 156,874 | 160,011 | 163,212 | 166,476 | 171,470 | 176,614 | 181 |
| 1 | 3.0% | Retirement Insurance | - | 7,800 | 10,714 | 10,928 | 11,147 | 11,370 | 11,597 | 11,945 | 12,303 | 12 |
| 1 | 3.0% | Engineering Support | 64.171 | 76,941 | 98,271 | 119,857 | 129,247 | 141,072 | 143,893 | 147,034 | 150,307 | 153 |
| • | 0.070 | Capital Outlays | | | , | , | , | , | , | , | , | , |
| 1 | 3.0% | | | | | | | | | | | |
| | | Transfers | | | | | | | | | | |
| 1 | 0.0% | Transfer Out - Water Construction FD | - | 80,000 | 114,000 | 148,000 | 182,000 | 216,000 | 250,000 | 250,000 | 250,000 | 250 |
| 1 | 0.0% | Transfer Out - General Debt Service | 6,381 | 6,381 | 4,786 | 4,786 | 4,786 | 4,786 | 4,786 | 4,786 | 4,786 | 4 |
| 1 | 0.0% | Transfer Out - Water Equipment Fd | 40,000 | 40,000 | 100,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60 |
| 1 | 0.0% | Transfer Out - Fin Auth (2012 LRB) | 206,487 | 223,672 | 170,043 | 179,797 | 189,982 | 209,108 | 226,702 | 245,775 | 266,454 | 288 |
| _ | | | | | | | | | | | | |
| New Bo | | rvice Pulls from Schedule A-6 Automatically - Based | | | | 00.000 | 00.000 | 00.000 | 00.000 | 50.404 | 50.404 | |
| 1 | 0.0% | 1998 Clean Water Loan 1998 COP | 59,421 77,900 | 59,421 77.900 | 82,066 58.425 | 82,066 58.425 | 82,066 | 82,066 | 82,066 | 59,421 | 59,421 | 59 |
| 1 | 0.0% | SDWSRF (Clean Water Loan) | 77,900 306,000 | 77,900 306.000 | 58,425 369.806 | 58,425 369.806 | 58,425 369,806 | 369.806 | 369.806 | 356.000 | 356.000 | 356 |
| 1 | 0.0% | SDWSRF (Clean Water Loan) | 306,000 | 306,000 | 369,806 | 369,806 | 369,806 | 369,806 | 369,806 | 356,000 | 356,000 | 356 |
| | | | | | SDC Fur | nd | | | | | | |
| | | Capital Outlays | | | | | | | | | | |
| 2 | 0.0% | • | - | - | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | |
| 2 | 0.0% | SDC Debt | - | - | 228,375 | 231,627 | 235,022 | 221,922 | 227,787 | 50,000 | 50,000 | 50 |
| 2 | 0.0% | | - | - | - | - | - | - | - | 187,075 | 187,075 | 187 |
| | | | | | Capital Fu | ınd | | | | | | |
| | | | | | Gapitai i t | arre. | | | | | | |

City of Dinuba CIP - Inflated

| Line No: | Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|----------|-------------------------------------|---------------|-----------|----------|-----------------|------------|------------|------------|------------|------------|-----------|
| | Capital Projects | | | | | | | | | | |
| 1 | Community Water Well Improvements | \$0 | \$50,000 | \$84,000 | \$118,000 | \$152,000 | \$186,000 | \$220,000 | \$220,000 | \$220,000 | \$220,000 |
| 2 | Community Water System Improvements | - | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| 3 | Preliminary Design #GC9501 | 5,000 | - | - | - | - | - | - | - | - | - |
| 4 | Comm. System Imp. #WC9501 | 10,000 | - | - | - | - | - | - | - | - | - |
| 5 | El Monte Way Widening Water Imp | 290,000 | - | - | - | - | - | - | - | - | - |
| 6 | Annual Repair and Replacement | - | - | - | - | - | - | - | - | - | - |
| 7 | Additional Water Improvements | - | - | | - | - | - | | | - | - |
| 8 | Well No. 21 and Transmission Main | - | - | - | 2,060,602 | - | - | - | - | - | - |
| | | | | | | | | | | | |
| | Total | \$ 305,000 \$ | 80,000 \$ | 114,000 | \$ 2,208,602 \$ | 182,000 \$ | 216,000 \$ | 250,000 \$ | 250,000 \$ | 250,000 \$ | 250,000 |

| | Current Day Dollars | | | | | | | | | | |
|----------|-------------------------------------|---------------|-----------|---------|-----------------|------------|------------|------------|------------|------------|---------|
| Line No: | Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| | | | | | | | | | | | |
| 1 | Community Water Well Improvements | - | 50,000 | 84,000 | 118,000 | 152,000 | 186,000 | 220,000 | 220,000 | 220,000 | 220,000 |
| 2 | Community Water System Improvements | - | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| 3 | Preliminary Design #GC9501 | 5,000 | - | - | - | - | - | - | - | - | - |
| 4 | Comm. System Imp. #WC9501 | 10,000 | - | - | - | - | - | - | - | - | - |
| 5 | El Monte Way Widening Water Imp | 290,000 | - | - | - | - | - | - | - | - | - |
| 6 | Annual Repair and Replacement | - | - | - | - | - | - | - | - | - | - |
| 7 | Additional Water Improvements | - | - | - | = | = | - | - | - | - | - |
| 8 | Well No. 21 and Transmission Main | - | - | - | 2,000,000 | - | - | - | - | - | - |
| | | | | | | | | | | | |
| | Total | \$ 305,000 \$ | 80,000 \$ | 114,000 | \$ 2,148,000 \$ | 182,000 \$ | 216,000 \$ | 250,000 \$ | 250,000 \$ | 250,000 \$ | 250,000 |

Revenue Bond Debt Service - Operations

| Annual Ne | ew Debt Re | quired | | | | | \$ - | \$ 2016 | \$ | 2017 - | \$ 2018 2,060,602 | \$ 2019 | 2020 | \$ 2021 | \$ - | 2023 \$ - | \$ 2024 |
|----------------|---------------|--------|-------------------|---|-------------------|------------------------|------|------------|----|--------|-------------------------|-----------------|--------|--------------|-----------|--------------|--------------|
| Fiscal Year | Term (Yrs) | Rate | Issuance Costs | Capital Project Proceeds Required | Issuance Costs | Total Debt Required | 2015 | 2016 | 2 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 2015 | 30 | 2.0% | 2.0% | \$ - | \$ - | \$ | \$ - | \$ - | \$ | | \$ - | \$ - \$ | - | \$ - | \$ - | \$ - | \$ - |
| 2016 | 30 | 2.0% | 2.0% | - | - | - | - | - | | - | - | - | - | - | - | - | - |
| 2017 | 30 | 2.0% | 2.0% | - | - | - | - | - | | - | - | - | - | - | - | - | - |
| 2018 | 30 | 2.0% | 2.0% | 2,060,602 | 41,212 | 2,101,814 | - | - | | - | - | 93,846 | 93,846 | 93,846 | 93,846 | 93,846 | 93,846 |
| 2019 | 30 | 2.0% | 2.0% | - | - | - | - | - | | - | - | - | - | - | - | - | - |
| 2020 | 30 | 2.0% | 2.0% | - | - | - | - | - | | - | - | - | - | - | - | - | - |
| 2021 | 30 | 2.0% | 2.0% | - | - | - | - | - | | - | - | - | - | | | | |
| 2022 | 30 | 2.0% | 2.0% | - | - | - | - | - | | - | - | - | - | - | - | - | - |
| 2023 | 30 | 2.0% | 2.0% | - | - | - | - | - | | - | - | - | - | - | - | - | - |
| 2024 | 30 | 2.0% | 2.0% | - | - | - | - | - | | | - | - | - | - | - | - | - |
| | | | | Cumulative An | nual New Bon | d Debt Service | \$ - | \$ - | \$ | - | \$ = | \$ 93,846 \$ | 93,846 | \$ 93,846 | \$ 93,846 | \$ 93,846 | \$ 93,846 |

Revenue Bond Debt Service - SDC

| Annual Ne | w Debt Re | quired | | | | | | | | \$ | - | \$ - | \$ i | - | \$ - | \$ | - | \$ | - | \$ | - ; | 5 | - | \$ - | \$ • |
|-----------|-----------|--------|----------|-----------|---------|--------|-----|---------|-----|----|----|---------|---------|---|---------|-----|---|------|---|------|-----|-----|---|---------|---------|
| | | | | Capital F | Project | | | | | | | | | | | | | | | | | | | | |
| Fiscal | Term | | Issuance | Proce | eds | Issuar | nce | Total D | ebt | | | | | | | | | | | | | | | | |
| Year | (Yrs) | Rate | Costs | Requi | ired | Cost | s | Requir | ed | 20 | 15 | 2016 | 2017 | | 2018 | 201 | 9 | 2020 | | 2021 | | 202 | 2 | 2023 | 2024 |
| 2015 | 30 | 2.0% | 2.0% | \$ | - | \$ | - (| \$ | - | \$ | - | \$ - | \$; | - | \$ - | \$ | - | \$ | - | \$ | - ; | \$ | - | \$ - | \$ |
| 2016 | 30 | 2.0% | 2.0% | | - | | - | | - | | - | - | | - | - | | - | | - | | - | | - | - | 1 |
| 0047 | 20 | 2.00/ | 0.00/ | | | | | | | | | | | | | | | | | | | | | | |

| rear | (Yrs) | Rate | Costs | Requirea | Costs | Requirea | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|------|-------|------|-------|--------------|--------------|-----------------|---------|------|------|------|------|------|------|------|------|------|
| 2015 | 30 | 2.0% | 2.0% | \$ - | \$ - | \$ - | \$ - \$ | - 9 | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - ; | - |
| 2016 | 30 | 2.0% | 2.0% | - | - | | - | - | | - | - | - | - | - | - | - |
| 2017 | 30 | 2.0% | 2.0% | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2018 | 30 | 2.0% | 2.0% | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2019 | 30 | 2.0% | 2.0% | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2020 | 30 | 2.0% | 2.0% | - | | - | | - | | - | - | - | - | - | - | - |
| 2021 | 30 | 2.0% | 2.0% | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2022 | 30 | 2.0% | 2.0% | - | | - | | - | | - | - | - | - | - | - | - |
| 2023 | 30 | 2.0% | 2.0% | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2024 | 30 | 2.0% | 2.0% | - | | - | | - | | - | - | - | - | - | - | - |
| | | | | | | | | | | | | | | | | |
| | | | | Cumulative . | Annual New S | RF Debt Service | \$ - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - (| - |

City of Dinuba Pro Forma with Debt Service Coverage and Fund Balance Reconciliation

| Line No | | | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|----------|--|----|--------------------------|--------------------------|-----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|--------------------------|--------------------------|
| | Operations Fund | | | | 0.5.000/ | 10.000/ | | | 4 000/ | 4 000/ | 0.000/ | |
| 1 | Sewer Rate Revenue Increases % of Year Rate Increase Effective | | 0.00% 100.00% | 0.00% 100.00% | 25.00% 100.00% | 12.00% 100.00% | 0.00% 100.00% | 6.00% 100.00% | 4.00% 100.00% | 4.00% 100.00% | 0.00% 100.00% | 0.00% 100.00% |
| | 70 OF Feat Nate Increase LifeCuve | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 2 | Beginning Unrestricted Fund Balance | \$ | 1,057,138 \$ | 741,830 \$ | 597,124 \$ | 388,237 \$ | 403,633 \$ | 642,775 \$ | 543,520 \$ | 531,861 \$ | 640,754 \$ | 770,263 |
| 3 | Rate Revenue 1 | \$ | 2,723,367 \$ | 2,762,615 \$ | 3,494,016 \$ | 3,991,564 \$ | 4,071,395 \$ | 4,401,992 \$ | 4,669,633 \$ | 4,953,547 \$ | 5,052,618 \$ | 5,153,670 |
| 4 | Total Rate Revenue | \$ | 2,723,367 \$ | 2,762,615 \$ | 3,494,016 \$ | 3,991,564 \$ | 4,071,395 \$ | 4,401,992 \$ | 4,669,633 \$ | 4,953,547 \$ | 5,052,618 \$ | 5,153,670 |
| 5 | Other Operating Revenue | | 102,747 | 64,430 | 160,224 | 60,224 | 60,224 | 60,224 | 60,224 | 60,224 | 60,224 | 60,224 |
| 6 | Interest Income - Operating Fund | Φ. | 1,292 | 500 | 2,000 | 2,000 | 3,000 | 3,000 | 3,000 | 3,000 | 4,000 | 4,000 |
| 8 | Total Operating Revenue Operating Expenses | \$ | 2,827,406 \$ (2,009,591) | 2,827,545 \$ (2,142,397) | 3,656,240 \$ (2,185,688) | 4,053,788 \$ (2,285,543) | 4,134,619 \$ (2,357,588) | 4,465,216 \$ (2,432,525) | 4,732,857 \$ (2,506,751) | 5,016,771 \$ (2,582,103) | 5,116,842 \$ (2,661,026) | 5,217,894 (2,735,874) |
| 9 | Net Revenue | \$ | 817,815 \$ | 685,148 \$ | 1,470,552 \$ | 1,768,245 \$ | 1,777,031 \$ | 2,032,691 \$ | 2,226,106 \$ | 2,434,668 \$ | 2,455,816 \$ | 2,482,020 |
| | Plus: | Ψ | σ,σ.ισ φ | σσσ, τ.σ. φ | 1,1.0,002 | .,. co,2 .c | ι,,σσι ψ | 2,002,00. ψ | 2,220,100 \$ | Σ, 10 1,000 φ | Σ,100,010 ψ | 2, 102,020 |
| | Other Sources of Funds | | | | | | | | | | | |
| 10 | Transfers In | | 12,000 | 112,000 | 63,221 | - | - | - | - | - | - | - |
| | Less: | | | | | | | | | | | |
| | Other Uses of Funds | | | | | | | | | | | |
| 11 | Minor Capital | \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - |
| 12 | Major Capital Funded with Existing Reserves/Current Cash | | - | - | (000) | (000) | - | - (400 | (000) | - (000 == :: | (000 000) | - (0.16 |
| 13 14 | Transfers Out | | (3,191) | (3,191) | (299,000) | (336,000) | (124,000) | (162,000) | (200,000) | (200,721) | (200,829) | (218,737) |
| 14 15 | Non Operating Expenses Existing Revenue Bond Debt Service | | - (1,141,932) | (938,663) | (1,443,660) | - (1,416,848) | - (1,413,890) | - (1,201,410) | (1,269,228) | - (1,168,654) | - (1,169,077) | - (1,172,819) |
| 16 | New Revenue Bond Debt Service | | (1,141,932) | (930,003) | (1,443,000) | (1,410,040) | (1,413,690) | (768,537) | (768,537) | (956,401) | (956,401) | (956,401) |
| 17 | Net Cash Flow | \$ | (315,308) \$ | (144,706) \$ | (208,887) \$ | 15,397 \$ | 239,141 \$ | (99,255) \$ | (11,658) \$ | 108.892 \$ | 129,509 \$ | 134,062 |
| | 5 F 11 11 11 15 15 1 | \$ | , , , | | | | | , | , , , | | | |
| 18 19 | Ending Unrestricted Fund Balance Days of O&M | \$ | 741,830 \$ 135 | 597,124 \$ 102 | 388,237 \$ 65 | 403,633 \$ 64 | 642,775 \$ 100 | 543,520 \$ 82 | 531,861 \$ 77 | 640,754 \$ 91 | 770,263 \$ 106 | 904,325 121 |
| 19 | Days of Oalvi | | 130 | 102 | 00 | 04 | 100 | 62 | | 91 | 100 | 121 |
| 20 | Target Unrestricted Fund Balance | | 334,932 | 357,066 | 364,281 | 380,924 | 392,931 | 405,421 | 417,792 | 430,350 | 443,504 | 455,979 |
| | | | | | | | | | | | | |
| | Dalat Camilia Carrana Calantatiana | | | | | | | | | | | |
| | Debt Service Coverage Calculations: Revenue Bond Debt Service Coverage | | | | | | | | | | | |
| | Rate Covenant Debt Service Coverage Test: | • | | | | | | | | | | |
| 21 | Net Revenue Available for Debt Service Coverage Test | \$ | 1,107,554 \$ | 1,005,243 \$ | 1,965,066 \$ | 2,450,213 \$ | 2,662,725 \$ | 2,820,029 \$ | 3,002,704 \$ | 3,320,158 \$ | 3,470,815 \$ | 3,631,082 |
| 2. | Revenue Bond Debt Service: | Ψ | ι,ιοι,οοι ψ | 1,000,210 ψ | 1,000,000 ψ | 2, 100,210 \$ | 2,002,720 ψ | 2,020,020 ψ | 0,002,10. Q | σ,σ2σ, ισσ φ | σ, σ,σ.ισ φ | 0,001,002 |
| 22 | Existing Revenue Bond Debt Service | | 1,397,347 | 1,193,153 | 1,468,660 | 1,441,848 | 1,438,890 | 1,226,410 | 1,294,228 | 1,168,654 | 1,169,077 | 1,172,819 |
| 23 | New Revenue Bond Debt Service | | - | - | - | - | 68,314 | 836,851 | 836,851 | 1,275,201 | 1,275,201 | 1,275,201 |
| 24 | Total Revenue Bond Debt Service | \$ | 1,141,932 \$ | 938,663 \$ | 1,443,660 \$ | 1,416,848 \$ | 1,413,890 \$ | 1,969,947 \$ | 2,037,765 \$ | 2,125,055 \$ | 2,125,478 \$ | 2,129,220 |
| 25 | Debt Service Coverage - Rate Covenant | | 0.97 | 1.07 | 1.36 | 1.73 | 1.88 | 1.43 | 1.47 | 1.56 | 1.63 | 1.71 |
| 26 | Debt Service Coverage Requirement | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | Parity Debt Service Coverage Test: | | | | | | | | | | | |
| 27 | Net Revenue Available for Debt Service Coverage Test | \$ | 1,107,554 \$ | 1,005,243 \$ | 1,965,066 \$ | 2,450,213 \$ | 2,662,725 \$ | 2,820,029 \$ | 3,002,704 \$ | 3,320,158 \$ | 3,470,815 \$ | 3,631,082 |
| 28 | Maximum Revenue Bond Debt Service | | 1,443,660 | 1,443,660 | 1,443,660 | 1,416,848 | 1,413,890 | 1,269,228 | 1,269,228 | 1,172,819 | 1,172,819 | 1,172,819 |
| 29 | Debt Service Coverage - Parity Test | | 0.77 | 0.70 | 1.36 | 1.73 | 1.88 | 2.22 | 2.37 | 2.83 | 2.96 | 3.10 |
| 30 | Debt Service Coverage Requirement | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | SDC Fund | | | | | | | | | | | |
| 31 | Beginning Balance | \$ | - \$ | 34,624 \$ | 100,229 \$ | 182,507 \$ | 437,842 \$ | 590,447 \$ | 743,951 \$ | 899,374 \$ | 829,310 \$ | 759,247 |
| 32 | Sources of Funds | Ψ | 289,739 | 320,095 | 106,278 | 278,335 | 242,919 | 243,819 | 244,736 | 244,736 | 244,736 | 244,736 |
| 33 | Interest Earnings | | 300 | - | 1,000 | 2,000 | 3,000 | 3,000 | 4,000 | 4,000 | 4,000 | 4,000 |
| 34 | Uses of Funds other Than Major Capital | | (255,415) | (254,490) | (25,000) | (25,000) | (25,000) | (25,000) | (25,000) | · - | - | - |
| 35 | New SRF Debt | | - | - | - | - | (68,314) | (68,314) | (68,314) | (318,800) | (318,800) | (318,800) |
| 36 | Major Capital Funded with SDC Fund | | - | - | - | | - | | - | - | - | - |
| 37 | Ending Balance | \$ | 34,624 \$ | 100,229 \$ | 182,507 \$ | 437,842 \$ | 590,447 \$ | 743,951 \$ | 899,374 \$ | 829,310 \$ | 759,247 \$ | 689,183 |
| | Capital Fund | | | | | | | | | | | |
| 38 | Beginning Balance | \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - |
| 39 | Sources of Funds | | - | - | 299,000 | 336,000 | 124,000 | 162,000 | 200,000 | 200,721 | 200,829 | 218,737 |
| 40 | Interest Earnings | | - | - | - | - | - | - | - | - | - | - |
| 41 | Uses of Funds other Than Major Capital | | - | - | - | - (000 000) | - | - (4.00,000) | - | - (000 704) | - | - (040.707) |
| 42 43 | Major Capital Funded with Cash Ending Balance | \$ | - \$ | - \$ | (299,000) | (336,000) | (124,000) | (162,000) | (200,000) | (200,721) | (200,829) | (218,737) |
| 43 | Lituing Dataille | Φ | - \$ | - ф | - ф | - \$ | - ф | - \$ | - ф | - ф | - \$ | - |

City of Dinuba Beginning Fund Balance Reconciliation

| | BEGINNING BALANCES | | | | | | |
|-------------------------|--|----------|--------------|----------|--------|----|-------------|
| · · · · · · · · · · · · | | One | rotiono Fund | en | C Fund | Co | nital Eun d |
| Line No: | Current assets: | Оре | rations Fund | 200 | C Fund | Ca | pital Fund |
| 2 | Cash and cash investments | \$ | 1,057,138 | \$ | | \$ | |
| 3 | Receivables (net of allowance for uncollectibles): | Φ | 1,007,100 | Φ | - | Φ | |
| 4 | Accounts and other | | | | | | |
| 5 | Unbilled accounts | | | | | | |
| 6 | Accrued interest | | | | | | |
| 7 | Due from other funds | | | | | | |
| 8 | Due from other governments | | | | | | |
| 9 | Inventories | | | | | | |
| 10 | Prepaid insurance | | | | | | |
| 10 | Other assets | | | | | | |
| 12 | Total Current Assets | <u> </u> | 4 0E7 420 | <u> </u> | | ¢ | |
| 12 | Total Current Assets | \$ | 1,057,138 | \$ | - | \$ | |
| | | | | | | | |
| | Current Liabilities: | | | | | | |
| 13 | Accounts and contracts payable | | | | | | |
| 14 | Accrued liabilities | | | | | | |
| 15 | Accrued interest payable | | | | | | |
| 16 | Current portion of long-term debt: | | | | | | |
| 17 | Revenue Bonds | | | | | | |
| 18 | Certificates of Participation | | | | | | |
| 19 | Due to other funds | | | | | | |
| 20 | Deferred revenue | | | | | | |
| 21 | Total Current Liabilities | \$ | - | \$ | | \$ | |
| 21 | Total Garront Liabilities | — | | . | | _ | |
| | Adjustments by JV: | | | | | | |
| 22 | Removal of Inventories (Not Liquid) | | _ | | _ | | |
| 23 | Other Assets (Unkown Cash) | | - | | _ | | |
| | | | | | | | |
| 24 | Net Adjustments | \$ | - | \$ | - | \$ | |
| | | | | | | | |
| | Net Beginning Balances (Curr Assets less Current | | | | | | |
| 25 | Liabilities - with Adjustments) | \$ | 1,057,138 | \$ | _ | \$ | |

City of Dinuba Revenue

| Code | Description | 2 | 015 | 2016 | Summary 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|------------------|--|------|--------------|--------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|
| RR1 | Rate Revenue 1 | | | 2,762,615 \$ | 3,494,016 \$ | 3,991,564 \$ | 4,071,395 \$ | 4,401,992 \$ | 4,669,633 \$ | | 5,052,618 \$ | |
| | | Ð 4 | 2,723,367 \$ | | | | | | | 4,953,547 \$ | | |
| OR | Other Operating Revenue | | 102,747 | 64,430 | 160,224 | 60,224 | 60,224 | 60,224 | 60,224 | 60,224 | 60,224 | ε |
| TRIN | Transfers In | | 12,000 | 112,000 | 63,221 | - | - | - | - | - | • | |
| Sources - Fund 2 | Sources of Funds - Fund 2 | | 289,739 | 320,095 | 106,278 | 278,335 | 242,919 | 243,819 | 244,736 | 244,736 | 244,736 | 24 |
| Sources - Fund 3 | Sources of Funds - Fund 3 | | - | - | 299,000 | 336,000 | 124,000 | 162,000 | 200,000 | 200,721 | 200,829 | 2 |
| INT - Fund 1 | Interest Earnings - Fund 1 | | 1,292 | 500 | 2,000 | 2,000 | 3,000 | 3,000 | 3,000 | 3,000 | 4,000 | |
| INT - Fund 2 | Interest Earnings - Fund 2 | | 300 | - | 1,000 | 2,000 | 3,000 | 3,000 | 4.000 | 4,000 | 4,000 | |
| INT - Fund 3 | Interest Earnings - Fund 3 | | - | - | - | - | - | - | - | - | • | |
| | | | | | Detail | | | | | | | |
| Code | Description | 2 | 015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 202 |
| | Operations Fund | | | | | | | | | | | |
| RR1 - BEFORE | | | | | | | | | | | | |
| GROWTH AND RATE | | | | | | | | | | | | |
| INCR | Rate Revenue 1 | | 2,723,367 \$ | 2,762,615 \$ | | 3,494,016 \$ | 3,991,564 \$ | 4,071,395 \$ | 4,401,992 \$ | | 4,953,547 \$ | |
| RR1 - Growth | Growth | | .00% | 0.00% | 0.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00 |
| | Revenue Increase | | .00% | 0.00% | 25.00% | 12.00% | 0.00% | 6.00% | 4.00% | 4.00% | 0.00% | 0.00 |
| | Pct of Year Revenue Increase Effective | 100 | 0.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.0 |
| RR1 | Total Rate Revenue 1 - After Revenue Increase | \$ 2 | 2,723,367 \$ | 2,762,615 \$ | 3,494,016 \$ | 3,991,564 \$ | 4,071,395 \$ | 4,401,992 \$ | 4,669,633 \$ | 4,953,547 \$ | 5,052,618 \$ | 5,1 |
| | | | | | | | | | | | | |
| | For Use In Rate Design Section - Do Not Alter: | | 015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 202 |
| | Total Rate Revenue - w/ Partial Year Rate Increase (as applicable) | | 2,723,367 \$ | 2,762,615 \$ | 3,494,016 \$ | 3,991,564 \$ | 4,071,395 \$ | 4,401,992 \$ | 4,669,633 \$ | 4,953,547 \$ | 5,052,618 \$ | 5,1 |
| | Total Rate Revenue - w/ Full Year Rate Increase | \$ 2 | 2,762,615 \$ | 2,795,213 \$ | 3,494,016 \$ | 3,991,564 \$ | 4,071,395 \$ | 4,401,992 \$ | 4,669,633 \$ | 4,953,547 \$ | 5,052,618 \$ | |
| | Total Full Year Operating Revenue Requirement | 2 | 2,866,654 | 2,860,143 | 3,656,240 | 4,053,788 | 4,134,619 | 4,465,216 | 4,732,857 | 5,016,771 | 5,116,842 | |
| | | | _,, | _,, | -,, | .,, | .,, | .,, | .,, | 5,5.5, | -,, | |
| OR | Property Lease Rental | | 42,299 | 16,000 | 22,909 | 22,909 | 22,909 | 22,909 | 22,909 | 22,909 | 22,909 | |
| OR | Industrial Monitoring | | 27.982 | 18.000 | 7,500 | 7,500 | 7,500 | 7,500 | 7,500 | 7,500 | 7,500 | |
| TRIN | Loan Repayment Warehouse | | 12,000 | 12,000 | 63,221 | -,000 | - | - | | - | - | |
| OR | Utility Delinquency | | 31,147 | 29,230 | 29,815 | 29,815 | 29,815 | 29,815 | 29,815 | 29,815 | 29,815 | |
| | | | | | | | | | | | | |
| OR | Miscellaneous Revenue | | 1,319 | 1,200 | 100,000 | | | - | - | - | | |
| TRIN | Transfer In - Sewer Construction | | - | 100,000 | • | • | - | • | • | - | - | |
| OR | Non Rate Rev 9 | | - | - | - | - | - | - | - | - | - | |
| OR | Non Rate Rev 10 | | - | - | - | - | - | - | - | - | - | |
| | Interest Earning Calculation | | | | | | | | | | | |
| | Average Balance | \$ | 899,000 \$ | 669,000 \$ | 492,000 \$ | 395,000 \$ | 522,000 \$ | 592,000 \$ | 536,000 \$ | 585,000 \$ | 704,000 \$ | 8 |
| | Assumed Interest Earnings Rate | | .5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5 |
| INT - Fund 1 | Projected Interest Earnings | \$ | 1,292 \$ | 500 \$ | | 2,000 \$ | 3,000 \$ | 3,000 \$ | 3,000 \$ | 3,000 \$ | 4,000 \$ | |
| | SDC Fund | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Operating Revenue | | 139,739 | 320,095 | 106,278 | 278,335 | 242,919 | 243,819 | 244,736 | 244,736 | 244,736 | 2 |
| | Non Operating Revenue | | 150,000 | - | | | | - | | | | |
| | Transfers In | | - | | | - | - | | - | - | | |
| Sources - Fund 2 | Total Sources | | 289,739 | 320,095 | 106,278 | 278,335 | 242,919 | 243,819 | 244,736 | 244,736 | 244,736 | 2 |
| | Interest Earnings Calculation | | | | | | | | | | | |
| | Average Balance | \$ | 17,000 \$ | 67,000 \$ | 141,000 \$ | 309,000 \$ | 513,000 \$ | 666,000 \$ | 820,000 \$ | 862,000 \$ | 792,000 \$ | 7 |
| | Assumed Interest Earnings Rate | | 1.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5 |
| INT - Fund 2 | Projected Interest Earnings | \$ | 300 \$ | - \$ | 1,000 \$ | 2,000 \$ | 3,000 \$ | 3,000 \$ | 4,000 \$ | 4,000 \$ | 4,000 \$ | |
| | Canital Fund | | | | | | | | | | | |
| | Capital Fund | | | | | | | | | | | |
| | Operating Revenue | | - | - | - | - | - | - | - | - | - | |
| | Non Operating Revenue | | - | | | - | - | | - | - | | |
| | Transfers In | | - | - | 299,000 | 336,000 | 124,000 | 162,000 | 200,000 | 200,721 | 200,829 | 2 |
| Sources - Fund 3 | Total Sources | | - | - | 299,000 | 336,000 | 124,000 | 162,000 | 200,000 | 200,721 | 200,829 | 2 |
| | Interest Fornings Coloulation | | | | | | | | | | | |
| i i | Interest Earnings Calculation Average Balance | \$ | - \$ | - \$ | • | ^ | • | • | ^ | ^ | ^ | |
| | | | | - C | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | - \$ | |
| | | | | | | | | | | | | |
| INT - Fund 3 | Assumed Interest Earnings Rate Projected Interest Earnings | | 1.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.59 |

| Line No: | | | | Sur | nmary - Operations | Fund | | | | | | |
|----------|------|----------------------------|--------------------|--------------|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|
| | FUND | | | | | | | | | | | |
| 1 | # | Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 2 | 1 | Operating | \$ 2,009,591 \$ | 2,142,397 \$ | 2,185,688 \$ | 2,285,543 \$ | 2,357,588 \$ | 2,432,525 \$ | 2,506,751 \$ | 2,582,103 \$ | 2,661,026 \$ | 2,735,874 |
| 3 | 1 | Non Operating | - | - | - | - | - | - | - | - | - | - |
| 4 | 1 | Minor Capital | - | - | - | - | - | - | - | - | - | - |
| 5 | 1 | Transfers | 3,191 | 3,191 | 299,000 | 336,000 | 124,000 | 162,000 | 200,000 | 200,721 | 200,829 | 218,737 |
| 6 | 1 | Existing Bond Debt Service | 1,141,932 | 938,663 | 1,443,660 | 1,416,848 | 1,413,890 | 1,201,410 | 1,269,228 | 1,168,654 | 1,169,077 | 1,172,819 |
| 7 | 1 | New Bond Debt Service | - | - | - | - | - | - | - | - | - | - |
| 8 | 1 | Existing SRF Debt Service | - | - | - | - | - | - | - | - | - | - |
| | 1 | New SRF Debt Service | - | | - | - | - | | - | - | - | - |
| 9 | | TOTAL | 3,154,714 | 3,084,251 | 3,928,348 | 4,038,391 | 3,895,478 | 3,795,935 | 3,975,979 | 3,951,478 | 4,030,932 | 4,127,431 |
| | - | | | | | | | | | | | |
| | | | | | Summary - SDC Er | nd | | | | | | |

| | | | | Summary - SDC | Fund | | | | | | |
|------|----------------------------|---------|---------|---------------|--------|--------|--------|--------|------|------|------|
| FUND | | | | | | | | | | | |
| # | Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 2 | Operating | - | - | | • | • | | - | • | - | - |
| 2 | Existing Bond Debt Service | 255,415 | 254,490 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | - | | - |
| 2 | New SRF Debt Service | - | - | - | - | - | - | - | - | - | - |
| | TOTAL | 255,415 | 254,490 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | - | - | - |

| | FUND | | | | | | | | | | | |
|----------|------------------|----------------------------|---------|---------|---|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 10 | # | Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 11 | 2 | Operating | - | - | • | • | | | - | - | • | - |
| 12 | 2 | Existing Bond Debt Service | 255,415 | 254,490 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | - | - | - |
| 13 | 2 | New SRF Debt Service | - | - | | - | - | | - | - | - | - |
| 14 | | TOTAL | 255,415 | 254,490 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | - | - | - |
| | - | | | | | | | | | | | |
| | | | | | Summary - Capital | Fund | | | | | | |
| | FUND | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 15 | # | Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 15 16 | # 3 | Description Operating | 2015 | 2016 | 2017 299,000 | 2018 336,000 | 2019 124,000 | 2020 162,000 | 2021 200,000 | 2022 200,721 | 2023 200,829 | 218,737 |
| 16 | # 3 | | | | | | | | | | | |
| 16 | 3 | Operating | - | | 299,000 | 336,000 336,000 | 124,000 | 162,000 | 200,000 | 200,721 | 200,829 | 218,737 |
| 16 | # 3 FUND # | Operating | | | 299,000 299,000 | 336,000 336,000 | 124,000 | 162,000 | 200,000 | 200,721 | 200,829 | 218,737 |
| 16 | 3 | Operating TOTAL | · • | | 299,000 299,000 Summary - Fund | 336,000 336,000 | 124,000 124,000 | 162,000 162,000 | 200,000 200,000 | 200,721 200,721 | 200,829 200,829 | 218,737 218,737 |

| | | | | Summary - Fu | und 10 | | | | | | | |
|--------|-------------|------|------------|--------------|--------|------|------|------|------|------|------|------|
| FUND # | Description | 2015 | 016 | 2017 | 2018 | 2019 | 2020 | | 2021 | 2022 | 2023 | 2024 |
| 10 | Operating | \$ - | \$ - \$ | - | \$ - | \$ | - \$ | - \$ | - | \$ - | \$ - | \$ - |
| | TOTAL | | - | - | - | | • | - | - | - | - | - |

| | | | | | Detail | | | | | | | |
|--------|---------------------------------|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------|
| | Annual Expense Escalation | | | | | | | | | | | |
| FUND # | Factor | EXPENSES | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| l | | Detail | | | | | | | | | | |
| | | | | | Operations F | und | | | | | | |
| | | Wastewater Treatment Plant | | | | | | | | | | |
| | | Employee Services | | | | | | | | | | |
| 1 | 3.0% | Regular Salaries | 193,162 | 215,148 | 231,815 | 238,816 | 246,028 | 253,458 | 261,113 | 268,999 | 277,123 | 28 |
| 1 | 3.0% | Overtime | 7,390 | 8,231 | 8,869 | 9,137 | 9,413 | 9,697 | 9,990 | 10,290 | 10,599 | 1 |
| 1 | 3.0% | Standby PERS | 8,430 29,237 | 9,389 32,565 | 10,116 35.087 | 10,422 36,147 | 10,737 37,239 | 11,061 38,363 | 11,395 39.522 | 11,737 40,707 | 12,089 41.928 | 1 |
| 1 | 3.0% | Medicare | 29,237 | 32,565 | 35,087 | 36,147 | 37,239 | 3,651 | 39,522 | 3,874 | 3,990 | 4 |
| 1 | 3.0% | LTD/Life Insurance | 5.181 | 5,770 | 6.217 | 6,405 | 6.598 | 6.798 | 7.003 | 7.213 | 7,429 | |
| 1 | 3.0% | Health/Dental/Vision Ins. | 54.688 | 60.913 | 65.631 | 67,614 | 69,655 | 71,759 | 73,926 | 76,144 | 78,428 | 8 |
| 1 | 3.0% | Workers' Compensation | 4,217 | 4,697 | 5,061 | 5,214 | 5,371 | 5,533 | 5,701 | 5,872 | 6,048 | |
| 1 | 3.0% | Unemployment Insurance | 368 | 410 | 441 | 455 | 468 | 482 | 497 | 512 | 527 | |
| 1 | 3.0% | Uniform Allowance | 2,047 | 2,280 | 2,457 | 2,531 | 2,607 | 2,686 | 2,767 | 2,850 | 2,936 | |
| | | Maintenance & Operations | | | | | | | | | | |
| 1 | 2.0% | Office Supplies | 3,574 | 7,500 | 509 | 519 | 530 | 540 | 551 | 562 | 573 | |
| 1 | 2.0% | Operating Supplies | 70,694 | 60,000 | 54,105 | 55,187 | 56,291 | 57,417 | 58,565 | 59,736 | 60,931 | |
| 1 | 2.0% | Lubricant & Fuels | 5,761 | 6,000 | 12,000 | 12,240 | 12,485 | 12,734 | 12,989 | 13,249 | 13,514 | |
| 1 | 2.0% | Repair & Maintenance Supplies | | | · | • | | • | | | | |
| 1 | 2.0% | Small Tools | 1,467 | 1,500 | 610 | 622 | 635 | 647 | 660 | 673 | 686 | |
| 1 | 2.7% | Safety Equipment & Supplies Utilities (Subtotal) | 1,389 496,248 | 1,032 | 1,032 441,528 | 1,053 | 1,074 | 1,095 | 1,117 | 1,147 | 1,177 530,856 | 5 |
| 1 | 2.0% | Communication (Subtotal) | 2,489 | 485,000 2,300 | 1.273 | 470,242 1,298 | 482,667 1.324 | 495,381 1,351 | 510,242 1.378 | 520,447 1,405 | 1,433 | 5 |
| 1 | 2.0% | Professional & Technical Svcs | 2,469 | 36,255 | 36.255 | 36.980 | 37,720 | 38,474 | 39.244 | 40.042 | 40.856 | |
| 1 | 2.0% | Contractual Services | 136,918 | 245.300 | 262.064 | 269,518 | 273,983 | 274,484 | 281,219 | 286,843 | 292,580 | 2 |
| 1 | 2.0% | Taxes | 139 | 610 | 610 | 622 | 635 | 647 | 660 | 673 | 686 | |
| 1 | 2.0% | Security Services | 397 | 509 | 509 | 519 | 530 | 540 | 551 | 562 | 573 | |
| 1 | 2.0% | Lab/Testing | 7,967 | 8,000 | 12,000 | 12,240 | 12,485 | 12,734 | 12,989 | 13,249 | 13,514 | |
| 1 | 2.0% | Training (Subtotal) | 1,727 | 2,009 | 1,526 | 1,557 | 1,588 | 1,619 | 1,652 | 1,685 | 1,719 | |
| 1 | 2.0% | Maintenance (Subtotal) | 34,481 | 42,000 | 27,268 | 27,813 | 28,370 | 28,937 | 29,516 | 30,106 | 30,708 | : |
| 1 | 2.0% | Rental Property Maintenance | - | - | - | - | - | - | - | - | - | |
| 1 | 2.0% | Dues & Subscriptions, Other | 583 | 1,000 | 509 | 519 | 530 | 540 | 551 | 562 | 573 | |
| 1 | 0.0% | Advertising | - | 1,100 | 509 | 519 | 530 | 540 | 551 | 551 | 551 | |
| 1 | 2.0% | Rental | | 500 | 1,017 | 1,037 | 1,058 | 1,079 | 1,101 | 1,123 | 1,145 | |
| 1 | 2.0% | Industrial Monitoring Expense | 19,226 | 22,000 | 25,034 | 25,535 | 26,045 | 26,566 | 27,098 | 27,640 | 28,193 | : |
| 4 | 2.00/ | Allocated Costs | 40.000 | 42.000 | 40.404 | 40 500 | 40.000 | 47.475 | 47.540 | 40.044 | 40.505 | |
| 1 | 3.0% | Liability Insurance Prop/Fire Insurance | 13,229 7.099 | 13,999 6,355 | 16,184 5.667 | 16,508 5,780 | 16,838 5.896 | 17,175 6.014 | 17,518 6.134 | 18,044 6,318 | 18,585 6,508 | 1 |

| | Expense Escalation | | | | | | | | | | | |
|-------|-----------------------|---|-------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------|
| FUND | | EXPENSES | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| | | Detail | | | | | | | | | | |
| | | | | | Operations I | Fund | | | | | | |
| 1 | 3.0% | Risk Management | 21,013 | 19,006 | 20,954 | 21,373 | 21,801 | 22,237 | 22,681 | 23,361 | 24,062 | : |
| 1 | 3.0% | Vehicle Maintenance Custodian | 27,242 30,781 | 36,717 13,389 | 36,688 12,664 | 37,422 12,917 | 38,170 13,176 | 38,934 13,439 | 39,712 13,706 | 40,903 14,107 | 42,130 14,520 | |
| 1 | 2.9% 3.0% | IT/Computer Report | 4.711 | 4.852 | 4.852 | 4,949 | 5.048 | 5.149 | 5.252 | 5,410 | 5,572 | |
| 1 | 0.0% | Interdepartmental Overhead | 306,667 | 250,000 | 257,953 | 265,907 | 273,860 | 281,814 | 289,767 | 297,720 | 305,674 | 3 |
| 1 | 3.0% | Overhead - Utility Billing | 132,833 | 138,904 | 140,961 | 143,780 | 146,656 | 149,589 | 152,767 | 157,350 | 162,071 | 1 |
| 1 | 3.0% | Public Works Mgmt | 120,935 | 129,775 | 153,798 | 156,874 | 160,011 | 163,212 | 166,476 | 171,470 | 176,614 | 1 |
| 1 | 3.0% | Retiree Health | - 64,171 | - 76,941 | 7,073 98,271 | 7,214 119,857 | 7,359 129,247 | 7,506 141,072 | 7,656 141,072 | 7,886 141,072 | 8,123 141,072 | 1 |
| | 3.0% | Engineering Support Capital Outlays | 04,171 | 70,941 | 90,271 | 119,007 | 129,247 | 141,072 | 141,072 | 141,072 | 141,072 | 1 |
| | | Transfers | | | | | | | | | | |
| 1 | 0.0% | Transfer Out - Sewer Construction FD | - | - | 299,000 | 336,000 | 124,000 | 162,000 | 200,000 | 200,721 | 200,829 | 2 |
| 1 | 0.0% | Transfer Out - General Debt Service | 3,191 | 3,191 | | | - | - | | - | | |
| 1 | 0.0% | Transfer Out - Capital Project - warehouse | • | - | - | - | - | - | - | - | - | |
| | | Sewer Collection | | | | | | | | | | |
| 4 | 2.00/ | Employee Services | 70.420 | 70.050 | 77.057 | 00 507 | 04.700 | 400,000 | 442 407 | 400.054 | 140 444 | |
| 1 | 3.0% 3.0% | Regular Services Part-Time Salaries | 70,130 | 76,859 | 77,057 | 83,527 | 91,720 | 102,029 | 113,497 | 126,254 | 140,444 | 1 |
| 1 | 3.0% | Overtime | 1,205 | 1,321 | 1,324 | 1,435 | 1,576 | 1,753 | 1,950 | 2,169 | 2,413 | |
| 1 | 3.0% | Standby Time | 1,506 | 1,651 | 1,655 | 1,794 | 1,970 | 2,191 | 2,438 | 2,712 | 3,016 | |
| 1 | 3.0% | PERS | 12,148 | 13,314 | 13,348 | 14,469 | 15,888 | 17,674 | 19,660 | 21,870 | 24,328 | |
| 1 | 3.0% | Medicare | 1,006 | 1,103 | 1,106 | 1,198 | 1,316 | 1,464 | 1,628 | 1,811 | 2,015 | |
| 1 | 3.0% | LTD/Life Insurance Health/Dental/Vision Ins. | 1,873 19.320 | 2,052 21,173 | 2,058 21,228 | 2,230 23.010 | 2,449 25,267 | 2,725 28.107 | 3,031 31,266 | 3,371 34,781 | 3,750 38.690 | |
| 1 | 3.0% | Health/Dental/Vision Ins. Workers' Compensation | 19,320 | 21,173 9,860 | 21,228 9,886 | 10,716 | 25,267 11,767 | 13,089 | 31,266 14,561 | 34,781 16,197 | 38,690 18,018 | |
| 1 | 3.0% | Unemployment Insurance | 130 | 142 | 142 | 154 | 169 | 188 | 210 | 233 | 259 | |
| 1 | 3.0% | Uniform Allowance | 638 | 699 | 701 | 759 | 834 | 928 | 1,032 | 1,148 | 1,277 | |
| | | Maintenance & Operations | | | | | | | · | | | |
| 1 | 2.0% | Office Supplies | - | - | - | - | - | - | - | - | - | |
| 1 | 2.0% | Lubricants & Fuels | 2,627 | 1,759 | 1,537 | 1,568 | 1,599 | 1,631 | 1,664 | 1,697 | 1,731 | |
| 1 | 2.0% 2.0% | Small Tools Safety | 17,516 355 | 11,732 238 | 10,251 208 | 10,456 212 | 10,665 216 | 10,879 220 | 11,096 225 | 11,318 230 | 11,544 235 | |
| 1 | 2.0% | Utilities | 21,335 | 14,290 | 12,486 | 12,736 | 12,990 | 13,250 | 13,515 | 13,785 | 14,061 | |
| 1 | 2.0% | Prof. & Technical Services | 889 | 595 | 520 | 531 | 541 | 552 | 563 | 574 | 585 | |
| 1 | 2.0% | Rentals & Leases | | - | - | - | - | - | - | | - | |
| 1 | 2.0% | Contractual Services | 8,758 | 5,866 | 5,126 | 5,228 | 5,333 | 5,439 | 5,548 | 5,659 | 5,772 | |
| 1 | 2.0% | Training & Vocational | - | - | - | - | - | - | | - | - | |
| 1 | 2.0% | Equipment Maintenance Special Dept. Expense | 4,378 877 | 2,932 587 | 2,562 513 | 2,614 523 | 2,666 534 | 2,719 544 | 2,773 555 | 2,828 566 | 2,885 577 | |
| | 2.076 | Allocated Costs | 011 | 301 | 313 | 323 | 334 | 344 | 333 | 300 | 311 | |
| 1 | 3.0% | Liability Insurance | 1,617 | 2,363 | 2,457 | 2,531 | 2,607 | 2,685 | 2,766 | 2,849 | 2,934 | |
| 1 | 3.0% | Prop/Fire Insurance | 868 | 1,269 | 1,319 | 1,358 | 1,399 | 1,441 | 1,484 | 1,529 | 1,575 | |
| 1 | 3.0% | Auto Insurance | 1,080 | 1,578 | 1,641 | 1,690 | 1,741 | 1,793 | 1,847 | 1,902 | 1,959 | |
| 1 | 3.0% 3.0% | Risk Management Interdepartmental Overhead | 2,569 | 3,755 | 3,903 | 4,021 | 4,141 | 4,265 | 4,393 | 4,525 | 4,661 | |
| 1 | 3.0% | Overhead - Utility Billing | | - | - | | | | - | - | | |
| 1 | 3.0% | Uncollectible Accounts | 7,547 | 12,204 | 12,204 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | |
| Now E | and Daht Can | rice Pulls from Schedule A-6 Automatically - Based on | Assumed New Debt Issuer | noos Innut on Doo | bboard | | | | | | | |
| 1 | 0.0% | Transfer Out Sewer Equipment | 40,000 | 40,000 | 100,000 | 60,000 | 60,000 | 60,000 | 60,000 | - | | |
| 1 | 0.0% | 1998 COP | - | - | - | - | - | - | - | - | - | |
| 1 | 0.0% | 2007 Lease Rev Bond | 206,775 | 204,113 | - | - | - | - | - | 205,554 | 206,554 | 2 |
| 1 | 0.0% | 2012 Wastewater Rev Bond | 428,638 | 230,388 | | | - | | | 513,180 | 512,603 | 5 |
| 1 | 0.0% | 2012 Lease Rev Bond | 466,519 | 464,162 | 1,343,660 | 1,356,848 | 1,353,890 | 1,141,410 | 1,209,228 | 449,920 | 449,920 | 4 |
| 1 | 0.0% | Sewer Construction Bond CEC Loan | | - | - | - | | - | - | - | • | |
| 1 | 0.0% | Transfer Out Disposal Fund | - | - | - | - | - | - | - | - | - | |
| | | | | | 000 E | | | | | | | |
| | | Capital Outlays | | | SDC Fun | a | | | | | | |
| | | Transfers | | | | | | | | | | |
| 2 | 0.0% | Transfer Out - Financing Authority | 170,225 | 481,000 | - | - | - | - | - | | | |
| 2 | 0.0% | Transfer Out - CEC WWTF Expansion | 85,190 | 85,190 | - | - | - | - | - | - | - | |
| | | | | | | | | | | | | |
| 2 | 0.0% | 1998 COP | 170,225 | 169,300 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | - | - | |
| 2 | 0.0% | Sewer Construction Bond CEC Loan | 85,190 | 85,190 | | | - | - | | | | |
| | 3.070 | | 30,100 | 30,.00 | | | | | | | | |
| | | | | | Capital Fu | nd | | | | | | |
| 3 | 3.0% | Capital Expenditures | - | - | 299,000 | 336,000 | 124,000 | 162,000 | 200,000 | 200,721 | 200,829 | 2 |

City of Dinuba CIP

| Line No: | Service | Function | Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|----------|----------------------------------|---|--|------|--------|------------------|----------------------------|-------------------------------|-------------------|---------------------------------|-------------------|-----------------------------|-------------------|
| | | | Capital Projects | | | | | | | | | | |
| 1 | Sewer | Sewer Collection | Community Sewer System Improvements | \$0 | \$0 | \$0 | \$25,000 | \$25,000 | \$10,000 | \$10,000 | \$10,721 | \$10,829 | \$10,937 |
| 2 | Sewer | Sewer Treatment | Annual Repair and Replacement | - | - | 49,000 | 61,000 | 99,000 | 152,000 | 190,000 | 190,000 | 190,000 | 207,800 |
| 3 | Sewer | Sewer Treatment | Wastewater Reclamation Facility Phase II Design | - | - | - | - | 3,000,000 | 3,000,000 | - | - | - | - |
| 4 | Sewer | Sewer Treatment | Wastewater Reclamation Facility Phase II Construction | - | - | - | - | - | - | 11,000,000 | 11,000,000 | - | - |
| 5 | Sewer | Sewer Treatment | DWR Permit | - | - | 250,000 | 250,000 | - | - | - | - | - | - |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | Total | \$ - | \$ - : | 299,000 | 336,000 \$ | 3,124,000 \$ | 3,162,000 \$ | 11,200,000 \$ | 11,200,721 \$ | 200,829 \$ | 218,737 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | Current Day Dollars | | | | | | | | | | |
| Line No: | Service | Function | Current Day Dollars Description | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| Line No: | | | Description | 2015 | 2016 | 2017 | | | | | | | |
| 1 | Sewer | Sewer Collection | Description Community Sewer System Improvements | 2015 | 2016 | - | 25,000 | 25,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Line No: | Sewer Sewer | Sewer Collection Sewer Treatment | Description Community Sewer System Improvements Annual Repair and Replacement | 2015 | 2016 | - | | 25,000 99,000 | 10,000 152,000 | | | | |
| 1 | Sewer | Sewer Collection Sewer Treatment Sewer Treatment | Description Community Sewer System Improvements Annual Repair and Replacement Wastewater Reclamation Facility Phase II Design | - | - | - | 25,000 | 25,000 | 10,000 | 10,000 190,000 | 10,000 190,000 | 10,000 | 10,000 |
| 1 | Sewer Sewer Sewer Sewer | Sewer Collection Sewer Treatment Sewer Treatment Sewer Treatment | Description Community Sewer System Improvements Annual Repair and Replacement Wastewater Reclamation Facility Phase II Design Wastewater Reclamation Facility Phase II Construction | - | - | 49,000 - - | 25,000 61,000 - - | 25,000 99,000 | 10,000 152,000 | 10,000 | 10,000 | 10,000 190,000 | 10,000 |
| 1 | Sewer Sewer Sewer | Sewer Collection Sewer Treatment Sewer Treatment | Description Community Sewer System Improvements Annual Repair and Replacement Wastewater Reclamation Facility Phase II Design | - | - | - 49,000 - | 25,000 61,000 | 25,000 99,000 3,000,000 | 10,000 152,000 | 10,000 190,000 | 10,000 190,000 | 10,000 190,000 | 10,000 190,000 |
| 1 | Sewer Sewer Sewer Sewer | Sewer Collection Sewer Treatment Sewer Treatment Sewer Treatment | Description Community Sewer System Improvements Annual Repair and Replacement Wastewater Reclamation Facility Phase II Design Wastewater Reclamation Facility Phase II Construction | - | - | 49,000 - - | 25,000 61,000 - - | 25,000 99,000 3,000,000 | 10,000 152,000 | 10,000 190,000 11,000,000 | 10,000 190,000 | 10,000 190,000 - - | 10,000 190,000 |
| 1 | Sewer Sewer Sewer Sewer | Sewer Collection Sewer Treatment Sewer Treatment Sewer Treatment | Description Community Sewer System Improvements Annual Repair and Replacement Wastewater Reclamation Facility Phase II Design Wastewater Reclamation Facility Phase II Construction | - | - | 49,000 - - | 25,000 61,000 - - | 25,000 99,000 3,000,000 | 10,000 152,000 | 10,000 190,000 11,000,000 | 10,000 190,000 | 10,000 190,000 - - | 10,000 190,000 |
| 1 | Sewer Sewer Sewer Sewer | Sewer Collection Sewer Treatment Sewer Treatment Sewer Treatment | Description Community Sewer System Improvements Annual Repair and Replacement Wastewater Reclamation Facility Phase II Design Wastewater Reclamation Facility Phase II Construction | - | - | 49,000 - - | 25,000 61,000 - - | 25,000 99,000 3,000,000 | 10,000 152,000 | 10,000 190,000 11,000,000 | 10,000 190,000 | 10,000 190,000 - - | 10,000 190,000 |
| 1 | Sewer Sewer Sewer Sewer | Sewer Collection Sewer Treatment Sewer Treatment Sewer Treatment | Description Community Sewer System Improvements Annual Repair and Replacement Wastewater Reclamation Facility Phase II Design Wastewater Reclamation Facility Phase II Construction | - | - | 49,000 - - | 25,000 61,000 - - | 25,000 99,000 3,000,000 | 10,000 152,000 | 10,000 190,000 11,000,000 | 10,000 190,000 | 10,000 190,000 - - | 10,000 190,000 |

New Debt Service

Operations Revenue Bond Debt Service

| | | | | | | | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|----------------|---------------|--------|-------------------|---|-------------------|------------------------|------|---------|---------|---------|--------------------|--------------|---------------|---------------|------------|-------|
| nnual Ne | w Debt Re | quired | | | | | \$ - | \$ - | \$ - | \$ - | \$ 3,000,000 \$ | 3,000,000 \$ | 11,000,000 \$ | 11,000,000 \$ | - \$ | - |
| Fiscal Year | Term (Yrs) | Rate | Issuance Costs | Capital Project Proceeds Required | Issuance Costs | Total Debt Required | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 2015 | 30 | 2.0% | 2.0% | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - \$ | - \$ | - \$ | - \$ | - \$ | - |
| 2016 | 30 | 2.0% | 2.0% | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2017 | 30 | 2.0% | 2.0% | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2018 | 30 | 2.0% | 2.0% | | - | - | - | - | - | - | - | - | - | - | - | - |
| 2019 | 30 | 2.0% | 2.0% | 4,500,000 | 90,000 | 4,590,000 | - | - | - | - | - | 204,943 | 204,943 | 204,943 | 204,943 | 204,9 |
| 2020 | 30 | 2.0% | 2.0% | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2021 | 30 | 2.0% | 2.0% | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2022 | 30 | 2.0% | 2.0% | 16,500,000 | 330,000 | 16,830,000 | - | - | - | - | - | 563,594 | 563,594 | 751,458 | 751,458 | 751,4 |
| 2023 | 30 | 2.0% | 2.0% | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2024 | 30 | 2.0% | 2.0% | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | Cumulative Ann | | | | | | | | 768,537 \$ | 768,537 \$ | 956,401 \$ | 956,401 \$ | 956,4 |

SDC Revenue Bond Debt Service

| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|--------------------------|------|--------|------|--------|-------|--------|------|------|---------|------|
| Annual New Debt Required | \$ - | \$ - : | \$ - | \$ - 9 | · - : | \$ - 9 | - | \$ - | \$ - \$ | \$ - |

| | | | | Capital Project | | | | | | | | | | | | | | | |
|--------|-------|------|----------|-----------------|--------------|-----------------|------|----|-----|------|------|------|----|-----------|--------|-----------|------------|---------------|---------|
| Fiscal | Term | | Issuance | Proceeds | Issuance | Total Debt | | | | | | | | | | | | | |
| Year | (Yrs) | Rate | Costs | Required | Costs | Required | 2015 | 2 | 016 | 2017 | | 2018 | 2 | 019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 2015 | 20 | 2.0% | 2.0% | \$ - | \$ - | \$ - | \$ - | \$ | - | \$ | - \$ | - | \$ | - \$ | - | \$ - | \$ - | \$ - \$ | - |
| 2016 | 20 | 2.0% | 2.0% | - | - | - | - | | - | | - | - | | - | - | - | - | - | - |
| 2017 | 20 | 2.0% | 2.0% | - | - | - | - | | - | | - | - | | - | - | - | - | - | - |
| 2018 | 20 | 2.0% | 2.0% | - | - | - | - | | - | | - | - | | - | - | - | - | - | - |
| 2019 | 30 | 2.0% | 2.0% | 1,500,000 | 30,000 | 1,530,000 | - | | - | | - | - | | 68,314 | 68,314 | 68,314 | 68,314 | 68,314 | 68,314 |
| 2020 | 30 | 2.0% | 2.0% | - | - | - | - | | - | | - | - | | - | - | - | - | - | - |
| 2021 | 30 | 2.0% | 2.0% | - | - | - | - | | - | | - | - | | - | - | - | - | - | - |
| 2022 | 30 | 2.0% | 2.0% | 5,500,000 | 110,000 | 5,610,000 | - | | - | | - | - | | - | - | - | 250,486 | 250,486 | 250,486 |
| 2023 | 30 | 2.0% | 2.0% | - | - | - | - | | - | | - | - | | - | - | - | - | - | - |
| 2024 | 30 | 2.0% | 2.0% | - | - | - | - | | - | | - | - | | - | - | - | - | - | - |
| | | | | Cumulative A | nnual New SR | RF Debt Service | \$ - | \$ | - | \$ | - \$ | - | \$ | 68,314 \$ | 68,314 | \$ 68,314 | \$ 318,800 | \$ 318,800 \$ | 318,800 |

City of Dinuba

Development of Rate Revenue Requirement

A

В

Test Year for Rate Revenue Line No: Requirement % to Water Reference 2017 Water Sch A-3, Line 83 3,038,547 100% 3,038,547 **Total Operating Revenue Requirement** \$ Less: Other Operating Revenues 100% 87,720 2 User Fees \$ 87,720 \$ 36,666 100% \$ 36,666 **DBCP Settlement** Water Svc Connection 10,200 100% \$ 10,200 4 5 After Hours Svc Chg 1,020 100% 1,020 Delinquent Water On/Off 32,970 100% \$ 6 32,970 Miscellaneous Revenue 100% Warehouse Loan Repayment \$ 63,221 100% \$ 8 63,221 Change in Reserves \$ 1,000 100% \$ 1,000 11 **Total Other Operating Revenues** 232,797 232,797 12 **Total Rate Revenue Requirement** Sch A-3, Line 82 \$ 2,805,750 100% \$ 2,805,750 443,571 13 Portion to Fixed Charge 16% \$ 14 Portion to Flow Charge 84% \$ 2,362,179 **Total Rate Revenue Requirement** \$ 2,805,750 100% 2,805,750 15

City of DinubaAllocation of Test Year Costs to Water

В

| Line No: | Expense Group | Water | Total |
|----------|--------------------------|-----------------|-----------------|
| 1 | Water - SOS | \$ - | \$ - |
| 2 | Water - Pump | - | - |
| 3 | Water - Treat | - | - |
| 4 | Water - T&D | 556,537 | 556,537 |
| 5 | Water - CS | - | - |
| 6 | Water - Admin | 1,835,127 | 1,835,127 |
| 7 | Water - Existing Bond DS | 510,297 | 510,297 |
| 8 | Water - Existing SRF DS | - | - |
| | | | |
| 9 | Sewer - Coll | - | - |
| 10 | Sewer - Pump | - | - |
| 11 | Sewer - Treat | - | - |
| 12 | Sewer - CS | - | - |
| 13 | Sewer - Admin | - | - |
| 14 | Sewer - Existing DS | - | - |
| 15 | Sewer - Existing SRF DS | - | - |
| | | | |
| 16 | New Bond DS - General | - | - |
| | | | |
| 17 | Total | \$ 2,901,961 | \$ 2,901,961 |
| | % | 100% | 100% |
| | | | |

City of Dinuba Allocation of Water Costs

Allocation to Base Extra Capacity - Water

| | | | | E | xtra Capacity | | | | | |
|---------------------------------|------------|----|--------------|---------|---------------|------------|----------------------|----------------------|--------------|---------|
| w | ater Costs | Ва | ise | Max Day | Ma | x Hour | Meters & Services | Billing & Collection | Total | |
| Water - SOS \$ | - | \$ | - \$ | - | \$ | - \$ | - | \$ - | \$ - | |
| Water - Pump | - | | - | - | | - | - | - | - | |
| Water - Treat | - | | - | - | | - | - | - | - | |
| Water - T&D | 556,537 | | 164,170 | 120,646 | | 271,721 | - | - | 556,537 | |
| Water - CS | - | | - | - | | - | - | - | - | |
| Water - Admin | 1,835,127 | | 1,376,345 | - | | - | 229,391 | 229,391 | 1,835,127 | |
| Water - Existing Bond DS | 510,297 | | 510,297 | - | | - | - | - | 510,297 | |
| New Bond DS - General | - | | - | - | | - | - | - | - | |
| Addition/(Reduction) in Reserve | (96,211) | | (67,992) | (4,000) | | (9,009) | (7,605) | (7,605) | (96,211) | |
| Total \$ | 2,805,750 | \$ | 1,982,820 \$ | 116,646 | \$ | 262,712 \$ | 221,786 | \$ 221,786 | \$ 2,805,750 | |
| | | | | | | | | | | |
| Fixed Charge Component | | | | | | \$ | 221,786 | \$ 221,786 | \$ 443,571 | 15.81% |
| Flow Charge Component | | \$ | 1,982,820 \$ | 116,646 | \$ | 262,712 | | | \$ 2,362,179 | 84.19% |
| Total | | \$ | 1,982,820 \$ | 116,646 | \$ | 262,712 \$ | 221,786 | \$ 221,786 | \$ 2,805,750 | 100.00% |
| | | | | | | \$ | 3.11 | \$ 3.11 | | |

| Allocation to Customer Class - Water - A | Annual Bas | is | _ | | Maximum Day | | | Maximum Hour | | |
|--|------------|---------------|-----------|-----------------|----------------|----------------|-----------------|----------------|----------------|--------------|
| | | Average Daily | | | | | | | | |
| Customer Class Total Ann | nual Flow | Flow | Base | Capacity Factor | Total Capacity | Extra Capacity | Capacity Factor | Total Capacity | Extra Capacity | Total Costs |
| RES 1, | 275,200 | 3,494 | | 162% | 5,658 | 2,164 | 316% | 11,055 | 7,562 | |
| COM | 380,874 | 1,043 | | 109% | 1,135 | 92 | 213% | 2,218 | 1,175 | |
| IND | 140,408 | 385 | | 93% | 357 | (28) | 181% | 697 | 312 | |
| SR | 19,918 | 55 | | 103% | 56 | 2 | 202% | 110 | 56 | |
| Total 1,8 | 816,400 | 4,976 | | | 7,206 | 2,230 | _ | 14,081 | 9,104 | |
| | | | | | | | | | | |
| Allocated Costs | | \$ | 1,982,820 | | | \$ 116,646 | | \$ | 262,712 | \$ 2,362,179 |
| Billing Units | | | 1,816,400 | | | 2,230 | | | 9,104 | |
| Rate | | \$ | 1.09 | | | \$ 52.32 | | \$ | 28.86 | |

| | | | | | | | | | | | | Tota | al Base Extra | |
|-------------------|------------------|----|-----------------------|---|----------------|-------|------------|----------------|-----------------------|-------|------------------------|------|---------------|--------------|
| | | | | | | Max | Day Costs | | Max Hour Costs | | | Ca | pacity Costs | |
| | | Ba | se Costs Allocated to | | | Allo | ocated to | | Allocated to Customer | N | Meters & Services & | Α | Illocated to | Cost |
| Customer Class To | otal Annual Flow | | Customer Class | _ | Extra Capacity | Custo | omer Class | Extra Capacity | Class | Billi | ing & Collection Costs | Cus | stomer Class | Distribution |
| RES | 1,275,200 | \$ | 1,392,035 | | 2,164 | \$ | 113,212 | 7,562 | \$ 218,193 | \$ | 386,184 | \$ | 2,109,624 | 75% |
| COM | 380,874 | | 415,770 | | 92 | \$ | 4,799 | 1,175 | \$ 33,898 | \$ | 49,091 | \$ | 503,559 | 18% |
| IND | 140,408 | | 153,272 | | (28) | \$ | (1,461) | 312 | \$ 9,015 | \$ | 228 | \$ | 161,055 | 6% |
| SR | 19,918 | | 21,743 | | 2 | | 96 | 56 | 1,606 | \$ | 8,068 | \$ | 31,513 | 1% |
| Total | 1,816,400 | \$ | 1,982,820 | | 2,230 | \$ | 116,646 | 9,104 | \$ 262,712 | \$ | 443,571 | \$ | 2,805,750 | 100% |

City of Dinuba Calculation of Fixed Charge Rates/ Revenue - Water

| T . | | | | | | | | | | | | | | | | |
|------|-----------------|----------------|---------------------|-----------------|---------------------|---------|--------|----|------------|------------------|------------------|------------|-------|---------------|----------|------------------|
| Line | | | 70. | | | | | | | | | | | | | |
| No: | | | | erence / Notes: | | | | | | | | | | | | |
| 1 | Total Water Re | | Sch B- | 1, Col. B, Line | | | | | | | | | | | | |
| 2 | Percent from Fi | | | | 30% | | | | | | | | | | | |
| 3 | Total Fixed Ch | arge Revenue | Requirement - Wa | ter : | 841,725 | | | | | | | | | | | |
| 4 | Total Equivalen | nt Meters | | | 71,335 | | | | | | | | | | | |
| 5 | Monthly Water | Fixed Charge p | er Equivalent Meter | | 11.80 | | | | | | | | | | | |
| | , | Ŭ . | <u>'</u> | | | | | | | | | | | | | |
| | Water Fixed Cl | harge - By Met | er Size | | | | | | | | | | | | | |
| | | g, | | | | | | | | | | | | | | |
| | | Meter | Monthly Water | 1 | Multi Family Equiv. | Outside | | | | | | | | | | |
| 6 | Meter Size | Equivalency | Fixed Charge | | Factor | Factor | | | | | | | | | | |
| 7 | | | | _ | | | | | | | | | | | | |
| / | 0.625 | 1.00 | \$ 11.80 | | 0.75 | 1.25 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | | | | | |
| | Water | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | Class> | RES | COM | IND | SR | Total | Ca | alculation | of Equivalent Me | ters / Units - I | nside | | | | |
| | | | | | | | | | | | Inside / | | | | Inside / | |
| | | | | | | | | | | | Outside | Equivalent | | | Outside | |
| | Meter Size | Billing Basis> | Bills | Bills | Bills | Bills | Total | | Bills | Equiv. Factor | Factor | Meters | Units | Equiv. Factor | Factor | Equivalent Units |
| | 0.625 | <u> </u> | 62,106 | 7,895 | 37 | 1,297 | 71,335 | | 71,335 | 1.00 | 1.00 | 71,335 | - | 0.75 | 1.00 | |
| | Total | | | , | | -, | 71,335 | | | | | | _ | | | _ ' |
| | Total | | | | | | 71,335 | | 71,335 | | | 71,335 | - | | | - |

| | | Rate Design | | | - |
|---|---|---|-------------------------------|---|---------------------------------|
| elopment of Proposed 201 | 6-17 Residential F | Rates | | | |
| Service Charge, \$ per Bill | | Rate | Bills | Revenue | |
| All Meters | | \$ 11.80 | 61,497 | \$725,663 | |
| Total Service Charge Rever | nue | | | | |
| 5 | % Volume in | Billed | Cumulative | Volume | Rate |
| Block 0 - 9,000 gallons | Block 57.0% | Volume (kgals) 543,732 | Factor 1.00 | Rate (\$/kgals) | Revenue |
| Over 9,000 gallons | 43.0% | 410,184 | 1.62 | \$1.190 1.928 | \$647 751 |
| Total | 100% | 953,916 | | | \$1,398 |
| Service Charge, \$ per Bill | | Rate \$ 11.80 | Bills | Revenue \$92,245 | |
| Service Charge, \$ per Bill All Meters | | Rate \$ 11.80 | Bills 7,817 | Revenue \$92,245 | |
| | nue | | | | |
| All Meters | | \$ 11.80 | 7,817 | \$92,245 | Rata |
| All Meters | nue % Volume in Block | \$ 11.80 | | \$92,245 Volume | Rate Revenue |
| All Meters Total Service Charge Rever | % Volume in | \$ 11.80 | 7,817 Cumulative | \$92,245 | Revenue |
| All Meters Total Service Charge Rever Block | % Volume in Block | \$ 11.80 Billed Volume (kgals) | 7,817 Cumulative Factor | \$92,245 Volume Rate (\$/kgals) | Revenue 402 |
| All Meters Total Service Charge Rever Block All Volume | % Volume in Block 100.0% | Billed Volume (kgals) 284,914 | 7,817 Cumulative Factor | \$92,245 Volume Rate (\$/kgals) | Revenue 402 |
| All Meters Total Service Charge Rever Block All Volume Total elopment of Proposed 201 Service Charge, \$ per Bill | % Volume in Block 100.0% | Billed Volume (kgals) 284,914 284,914 tes | 7,817 Cumulative Factor 1.00 | \$92,245 Volume Rate (\$/kgals) \$1.411 | Revenue 402 |
| All Meters Total Service Charge Rever Block All Volume Total elopment of Proposed 201 | % Volume in Block 100.0% | Billed Volume (kgals) 284,914 284,914 | 7,817 Cumulative Factor 1.00 | \$92,245 Volume Rate (\$/kgals) \$1.411 | Revenue 402 |
| All Meters Total Service Charge Rever Block All Volume Total elopment of Proposed 201 Service Charge, \$ per Bill | % Volume in Block 100.0% 6-17 Industrial Ra | Billed Volume (kgals) 284,914 284,914 tes | 7,817 Cumulative Factor 1.00 | \$92,245 Volume Rate (\$/kgals) \$1.411 | Revenue 402 |
| All Meters Total Service Charge Rever Block All Volume Total elopment of Proposed 201 Service Charge, \$ per Bill All Meters | % Volume in Block 100.0% 6-17 Industrial Ra | Billed Volume (kgals) 284,914 284,914 tes | 7,817 Cumulative Factor 1.00 | \$92,245 Volume Rate (\$/kgals) \$1.411 | Rate Revenue 402 \$402 |

105,032

Total

\$155,912