

Utility Rate Study 1993

Contd

*File: Utility RATE Study
Set's File #6*

2003

NOTICE TO VENDORS

Sealed proposals will be received by the Town of Addison, Texas in the Purchasing Office located at the Addison Finance Building, 5350 Belt Line Road prior to 3:00 p.m. (CST) Friday February 28, 2003.

Proposal envelopes should clearly reflect the following:

BID # 03-xx UTILITY FUND COST OF SERVICE AND RATE STUDY *-File*

Mailing address is:

Purchasing Office
Town of Addison
P.O. Box 9010 Addison, Texas 75001

Qualified prospective vendors may obtain copies of the request for proposal at the Addison Purchasing Office.

The Town of Addison reserves the right to reject or accept any or all proposals and award the most advantageous proposal received.

No officer or employee of the Town of Addison shall have a financial interest, direct or indirect, in any contract with the Town of Addison.

It is the policy of the Town of Addison to afford all people an equal opportunity to bid on any contract being let by the Town. The Town of Addison has a policy that prohibits discrimination against any person because of race, color, sex, or national origin, in the award of performance of any contract.

**REQUEST FOR SEALED PROPOSAL
FOR PROFESSIONAL SERVICES RELATED TO
UTILITY FUND COST OF SERVICE AND RATE SCHEDULE STUDY**

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APPENDIX A

**REQUEST FOR SEALED PROPOSAL
FOR PROFESSIONAL SERVICES RELATED TO
UTILITY FUND COST OF SERVICE AND RATE SCHEDULE STUDY**

I. INTRODUCTION

A. Purpose:

The Town of Addison requires the services of a qualified consultant to:

1. Evaluate the Town's Utility fund financial condition and long-term financial plan;
2. Evaluate the Town's existing utility rate structure;
3. Develop recommendations for rates that will ensure sufficient resources are generated to fund operating expenses, retire outstanding debt related to the water and sewer systems, and support the systems' long-term capital project program on a "pay-as-you-go" basis;
4. Develop a rate model that equitably allocates fixed and variable expenses among the Town's various utility customers;
5. Develop an integrated cost-of-service and rate model in Microsoft Excel or Access that will allow Town staff to ascertain rate adequacy with development of future annual budgets.

B. Town Description:

The Town of Addison is located in the Dallas North Parkway area that has been referred to as the "platinum corridor" of the Dallas Metroplex. Besides the Town of Addison, the area encompasses the Dallas suburbs of Carrollton, Farmers Branch, and Plano. The area, which developed rapidly during the late 1970's and early 1980's is home to affluent residential neighborhoods, hundreds of million-dollar companies, scores of quality restaurants, and two spacious malls, including the prestigious Galleria. The area commands a central location in reference to downtown Dallas, DFW airport, the Richardson telecommunications corridor, and the Plano corporate campus area.

Epitomizing the best features of the area is the Town of Addison. The Town places a special emphasis on quality of life that demands all development meet the most rigorous building requirements. For example, all commercial development must submit landscaping plans to ensure attractive green areas accompany buildings. The attention to aesthetics extends to all of the Town's major boulevards, which are also landscaped. This approach has made Addison a cosmopolitan "downtown uptown" distinguished from almost any other urban area in the nation. The Town's blend of residential, retail, and office uses creates an open environment that avoids the confining effect usually associated with densely developed areas.

The Town's reputation for maintaining a high quality of urban life has attracted considerable development over the past few years. Addison is home to 83 office or commercial buildings providing a total of 10.8 million square feet of office space. As of March 2002 average office occupancy was 88%, which compares favorably to the 78% average of the Greater Dallas office market. The Town boasts 21 hotels with 3,855 rooms and 133 restaurants, or an average of 30 per square mile.

However, Addison maintains high financial reserves in anticipation of revenue declines associated with economic recessions and fully expects to be able to maintain its high-quality public services during the upcoming fiscal year. The Town's financial strength was recognized by rating agencies that affirmed Addison's AA ratings with the recent issuance of bonds related to the 2000 bond program. Standard & Poor's justified its rating by recognizing, in part:

- Strong access to the Dallas MSA and Addison's desirable location for commercial and retail businesses;
- High wealth and income levels, coupled with a below-average property tax rate;
- Healthy reserve levels in place to offset concentration of the revenue stream; and
- Low overall net debt burden with rapid roll-off of existing debt.

In the adopted 2002-03 budget revenues for all appropriable funds total \$63,722,650, representing an increase of 27% over the fiscal year 2002 budget. The increase is a result of the scheduled sale of \$15.1 million in voter authorized general obligation bonds that in fact occurred in September 2002. Revenue from property taxes is budgeted to increase slightly from \$12.2 million to \$12.4 million while revenue from non-property taxes is expected to decline approximately \$2 million from the previous year's budget. The budget appropriates \$71,210,400 towards operating, capital, and debt service expenditures, an increase of \$9 million over the FY02 budget. The increase is attributed to a larger scope of capital projects. Much of the disparity between revenues and expenditures comes from the Hotel fund where fund balance, accumulated over several years, is projected to be applied to the construction of the Arts & Events district. Staffing was increased a net 3.7 full-time equivalent positions and now totals 268.6 FTE.

Utility System Description:

The system's mission is *the supplying of safe, uninterrupted water and wastewater services to Addison residents and businesses*. The Town purchases water from the City of Dallas and delivers its sewage to the cities of Dallas, Farmers Branch, and Carrollton, who then transport the sewage to treatment facilities in Dallas or to the Trinity River Authority northern region treatment plant. The Utility department staff is responsible for maintaining over 85 miles of water distribution mains, 900 fire hydrants, 68 miles of sewer collection lines, and related pumping and storage facilities. Typical duties include meter reading and repairs, responding to customer service orders, cleaning sewer lines, and testing for proper operation: water meters, shut-off valves, and fire hydrants. Department staff consists of 15.4 full-time equivalent positions.

Appendix A reflects the long-term financial plan for the Utility fund. The 2003 budget marks the first year of the long-term plan for the Utility fund. The plan comes at an appropriate time since operating revenues no longer supply sufficient resources to meet the fund's combined operating, capital and debt service needs. Water and sewer rates have not been increased since 1993 and in fact had been reduced 10% during the intervening years. Below are the salient features of the plan:

- Operating revenues are determined by the water and sewer rates as well as the volume of water sold and sewer treated. These revenues are highly influenced by weather patterns. Hot, dry summers result in high water sales, which to a certain extent, also generate higher sewer revenues. Following several years of drought conditions in the late 1990's, fiscal years 2001 and 2002 had summer months marked by relatively cool temperatures and extensive rainfall. For the 2003 budget, revenues are expected to be comparable to the 2002 fiscal year. Without any rate increase, revenues are forecasted to increase 3% per year due to increasing consumption associated with modest commercial development within Addison over the planning horizon.
- Operating expenses, dominated by payments to other governments for the purchase of water and the treatment of sewage, are expected to increase an average 4% per year based on historic trends.
- From 2003 through 2007, net income is expected to average \$562,000, far less than the \$1.9 million needed to retire debt principal and fund capital projects. Under these circumstances, the fund's working capital balance (i.e. fund balance) would rapidly decline and be exhausted

by FY2007. Recognizing this funding disparity, the plan assumes the refunding of outstanding debt (accomplished with September 2002 bond sale), and a 10% increase in utility rates in fiscal year 2004. The 2003 Utility fund budget includes funding for rate consultants to review and recommend a new water and sewer schedule.

Below is the water and sewer rate schedule that has been in place since October 1999.

Water volume charge (per 1,000 gallons)		\$	1.35
Minimum Bills:	Volume Included		
Single Family Residential	2,000	\$	7.20
Multi-Family Residential	15,000	\$	43.03
Municipal / Schools	20,000	\$	56.63
Commercial Large (≥ 2 " meter)	37,000	\$	104.04
Commercial Small (< 2 " meter)	3,000	\$	10.17
Industrial Large (≥ 2 " meter)	80,000	\$	228.91
Industrial Small (< 2 " meter)	3,000	\$	9.25
Hotel/Motel	80,000	\$	228.91
Sprinkler Large (≥ 2 " meter)	27,000	\$	71.34
Sprinkler Small (< 2 " meter)	5,000	\$	14.77
Fire Meters	8,000	\$	23.41

Sewer Rates:

Volume charge (per 1,000 gallons water consumed)		\$	2.88
Minimum Bills:			
Single Family Residential (maximum 8,000 gallons)	2,000	\$	8.17
Multi-Family Residential	15,000	\$	45.50
Municipal / Schools	20,000	\$	59.92
Commercial Large (≥ 2 " meter)	37,000	\$	108.72
Commercial Small (< 2 " meter)	3,000	\$	14.48
Industrial Large (≥ 2 " meter)	80,000	\$	232.33
Industrial Small (< 2 " meter)	3,000	\$	11.03
Hotel/Motel	80,000	\$	232.33

II. PROPOSAL REQUIREMENTS

All proposals are due in the Purchasing Office of the Town of Addison no later than Friday, February 28, 2000, at 3:00 p.m. (CST).

The vendor must sign proposals with his or her signature in full. When a vendor is a partnership, one or more of the partners shall sign the proposal in the name of the partnership. When a vendor is a corporation, the officer signing shall sign his name and give the title of his office. The proposal shall also bear the seal of the corporation.

A. Knowledge of Conditions:

Before submitting proposals, vendors must carefully examine this Request for Sealed Proposal and inform themselves thoroughly as to all the difficulties involved in the completion of all work pursuant to the requirements of this document.

Pleas of ignorance of conditions or difficulties that may be encountered in the execution of the work pursuant to this document as a result of failure to make the necessary examinations or investigations shall not be accepted for any failures or omissions on the part of successful vendors to fulfill, nor shall they be accepted as a basis for any claims whatsoever for extra compensation or for the extension of time.

B. Exceptions:

All proposals must clearly and specifically detail all exceptions to the exact requirements imposed by this document. Such exceptions must be explained in the vendor's proposal. Otherwise, the Town shall consider the subject proposal as being made in strict compliance with this document.

C. Compliance with Laws:

In all cases, the laws of the State of Texas shall apply to the proposal process, the resultant contract and the contract performance. Vendor's performance of the work shall comply with applicable Federal, State and local laws, rules and regulations.

D. Patents and Royalties:

Vendor, without exception, shall indemnify and hold harmless the Town, its officers, and its employees from any liability of any nature or kind, including costs and expenses for or on account of any trademark, copyrighted, patented, or non-patented invention, process or article manufactured or used in the performance of the Contract, including its use by Addison, Texas. If the vendor uses any design, device or materials covered by patent, trademark, or copyright, it shall be mutually understood and agreed without exception that the proposal prices shall include all royalties or costs arising from the use of such design, device, or materials in any way involved in the work.

E. Indemnification:

Vendors shall indemnify the Town, its officers, employees and agents (together the "Town") and hold harmless the Town from any liability, claims, suits, actions, causes of action, costs, expenses, charges or fees, including attorney's fees, for injury to any person (including death) or damage to or destruction of any property; and, any act of omission of vendor, its contractors, subcontractors, suppliers, or agents, in connection with or arising out of, whether directly or indirectly, from any agreement arising from this request for proposals.

Further, Vendor agrees, at its own expense, to indemnify and hold harmless the Town and to defend or to provide for such defense, at the Town's option, from any and all claims or liability arising from or based upon the alleged violation of any applicable laws, ordinances or regulations and all suits and actions of every name and description that may be brought against the Town which result from any operation or activity under the eventual agreement to be awarded whether such activity or operation be performed by Vendor or subcontractor or by anyone directly or indirectly employed by, or under a contract with, either.

F. Preparation Costs:

The Town of Addison will not be liable for any costs associated with the preparation, transmittal, or presentation of any proposals or material submitted in response to this Request for Sealed Proposal.

G. Duration:

The vendor must agree, in writing, that all information contained in the submitted proposal is valid for at least ninety (90) days from the date of submittal or until a final contract is approved, whichever occurs first.

H. Ownership:

All responses and accompanying documentation will become the property of the Town of Addison.

I. Distribution:

Vendors will submit one (1) original and four (4) copies of all proposals and associated documentation. The Town may request additional copies of the proposal. Price quotes must be signed by a duly authorized official of the vendor organization and notarized.

J. Proprietary Information:

Information construed as proprietary by a submitting vendor must be marked as such and will be so regarded by the Town of Addison. Subject to Texas Open Records Act, Texas Government Code, Chapter 552, the Town will treat such information as confidential to the extent permitted by law and the Town agrees to withhold any such information and request an opinion from the Attorney General should another party request such data. Town shall abide by the decision of the Attorney General. Such information should be submitted in a separate folder attached to the proposal and referred to appropriately in the proposal. For a proposal to be valid, however, all information must be available for review by approval bodies as required by the Town of Addison. Viewing of information designated as proprietary by such bodies will not be construed to violate the constraints of proprietary information.

K. References:

Vendors submitting proposals shall submit the names, addresses, contact persons, phone numbers, and dates of a minimum of three (3) local governments in which the vendor has provided similar services.

L. Inquiries:

All inquiries regarding this request for proposal should be directed to:

Randolph (Randy) C. Moravec
Finance Director
P.O. Box 9010, Addison, Texas 75001
Phone - (972) 450-7050 Fax - (972) 450-7065
Email - rmoravec@ci.addison.tx.us

III. PROJECT SCOPE

A. Overview:

The Town desires a comprehensive rates study, which will require a qualified consultant or consulting firm. The purpose of the study is to provide the Town with information sufficient to support a recommendation to the city council for a multi-year adjustment in rates for water and wastewater operations. This study will also determine the adequacy and most appropriate rate structure for all utility rates assessed by the Town considering such issues as conservation, consumption characteristics of various customer classes, deviation from cost of service principles and fairness and equity implications, and customer understanding. The Town expects the rates developed by the study to be adequate for at least two years and the rate schedule (i.e. comparative rates by customer class) to maintain its integrity for at least five years.

B. Analyze Utility Fund Finances:

Consultant will be expected to analyze and obtain a thorough understanding of the Utility fund's financial condition. The analysis is expected to include at minimum:

1. Analysis of historical operating expenses including cost of water purchased and wastewater treated.
2. Analysis of utility plant in service, evaluation of utility department's capital improvement program, and determination of funds needed to support capital improvement program on a "pay-as-you-go" basis.
3. Analysis of historic demand and consumption characteristics with the purpose of properly classifying and segregating the costs associated with the different functions and customers of the Town's utility system.
4. Analysis of existing Utility fund long-term financial plan and plan's financial projections.

C. Develop Rate Schedule:

The consultant will be expected to develop a schedule of water and wastewater rates. The rates must be developed in context with the Town's financial policies related to user charges as described below:

The Town will establish user charges and fees at a level that attempts to recover the full cost of providing the service.

- *User fees, particularly utility rates, should identify the relative costs of serving different classes of customers.*
- *Where possible, utility rates should be designed to reduce peak (hour and day) demands on the utility systems.*
- *The Town will make every reasonable attempt to ensure accurate measurement of variables impacting taxes and fees (e.g. verification of business sales tax payments, verification of appraisal district property values, accuracy of water meters).*

In addition to the above policies, the developed rate schedule must meet the following characteristics:

1. Be compatible with the existing utility billing computer system.
2. Be compatible with the existing meter reading system.
3. Be easily described to customers and lay persons.
4. Encourage conservation.

5. Rates must be adequate to meeting the Utility fund's financial requirements for a minimum two years.
6. Rate schedule must maintain its customer classification integrity for at least five years.

D. Benchmark to Area Cities:

The consultant will be expected to compare and contrast the Town's existing water and sewer rates and the new rates developed by the study with the rates of cities within Dallas, Collin, and Denton counties. The benchmarking must be for all comparable customer classifications. The benchmarking aspect of the study should include comment as to whether the developed rates will materially impact the ability to attract and retain retail and commercial businesses.

E. Develop Computerized Rate Model:

The consultant will develop a computerized rate model that will be provided the Town at the conclusion of the study. The model should be developed with the following characteristics:

1. Model must be developed using either Microsoft Excel or Access applications.
2. Model should allow for updating of consumption patterns by customer classification.
3. Model should allow for updating of operating, debt service and capital costs.
4. Model should include pre-defined graphical presentation of consumption, revenue and expense data.
5. Model should integrate the revenue produced by rates with the long-term Utility fund financial plan.

F. Discuss Findings and Present Final Report:

The consultant will be expected to present the analysis findings with senior management staff, address questions and/or concerns and incorporate management comments into final recommendations. The consultant will make a final presentation to city council.

G. Proposal Information:

Proposals shall include the following information pertaining to the scope of service:

- 1) Deliverables - The proposal should detail the various components of this particular engagement and the deliverables resulting from each component. The proposals should also include the proportion of man-hours required to conduct each component.
- 2) Cost of study, as related to the distribution of man-hours.
- 3) Time line for completing study.

H. Consultant Information:

Proposals must include information pertaining to the consultant's expertise including:

- 1) History of firm/partnership.
- 2) Client list of relevant projects (minimum of three) completed within past five years.
- 3) Experience with federal, state, and local governments.
- 4) Project team resumes.

IV. EVALUATION PROCESS

A. Schedule:

Release of RFP to Vendors	February 7, 2003
Vendor Pre-Proposal Conference	February 18, 2003
Proposal Submission Deadline (3:00 p.m.CST)	February 28, 2003
Oral Presentation of Selected Firms	March 6, 2003
Recommendation to City Council (if needed)	March 25, 2003

B. Pre-Proposal Conference:

A pre-proposal conference will be conducted in the Town of Addison Finance Building conference room at 9:00 am (CST) Tuesday, February 18, 2003. The Finance Building is located at 5350 Belt Line Road in Addison, Texas. The purpose of the conference is to answer any questions prospective vendors may have relating to the request for proposals. *Attendance at the conference is recommended but not mandatory for submitting proposals.*

C. Evaluation Criteria:

Proposals will be evaluated using the following weighted criteria:

Quality and scope of the firm's written proposal and oral presentation.	30%
The firm's experience and performance on comparable engagements.	30%
Quality of the firm's personnel to be assigned to the engagement.	20%
Cost of study.	<u>20%</u>

TOTAL

100%

D. Oral Presentation:

The two to three firms receiving the highest preliminary evaluation scores will be invited to make oral presentations to the evaluation committee. The presentations will provide firms an opportunity to elaborate on their written proposals and answer questions posed by the evaluation committee.

E. Final Selection:

The Town will select a firm based upon the recommendations of the evaluation committee and the approval of the Addison City Council. The Town maintains thresholds for contracts requiring council approval and therefore Council approval may not be required.

Town of Addison

Utility Financial Plan

Lewis F. McLain, Jr.

Fiscal Planning Consultant

Final Report

March, 1993

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Key Assumptions

- ▶ Overall growth from new connections and additional usage is projected to be 2%.
- ▶ One rate increase that would be adequate for the next five years was desirable since the initial rate increase needs to be sufficiently large to cover the new bond issue and past practices have favored infrequent increases.
- ▶ DWU and TRA rate increases have been absorbed for the past five years but cannot continue to be covered unless the anticipated rate increases are included in the financial plan.
- ▶ Financial parameters such as working capital and cash adequacy as well as debt service coverage requirements of the bond covenants have to be met to satisfy the bond holders and rating agencies.
- ▶ Water and wastewater revenues will be sufficient to prevent any inter-utility subsidization.

Highlights

- ▶ A base level of operations is forecasted with one overall staff position reduction.
- ▶ Expenditures are projected to cover the inflationary pressures plus accommodate the modest growth over the planning years.
- ▶ The DWU franchise purchase is estimated to be a net benefit but is not shown to have any effect on the rates for analytical purposes.
- ▶ The \$20.2 million bond issue for the joint tunnel and transmission line is built into the financial plan.
- ▶ Water purchases and wastewater treatment services are forecasted to rise significantly over the planning period.
- ▶ A cost allocation between water and wastewater was conducted so that each utility would be self-sufficient.
- ▶ The result are rate adjustments as follows:

Water Rates - Current

▶ \$1.62 per thousand gallons for all volume above that included in the minimum bill:

	<u>Minimum</u>	<u>Gallons</u>
▶ Single Family -	\$ 8.10	2,000
▶ Multi-Family Residential -	\$ 48.95	15,000
▶ Sprinkler/Meters -	\$ 49.60	15,000
▶ Municipal/Schools -	\$ 64.50	20,000
▶ Commercial Large ($\geq 2''$)	\$118.55	37,000
▶ Commercial Small ($<2''$)	\$ 11.50	3,000
▶ Industrial Large ($\geq 2''$)	\$259.45	80,000
▶ Industrial Small ($<2''$)	\$ 10.50	3,000
▶ Hotel/Motel	\$260.10	80,000
▶ Fire Meter	\$ 26.60	8,000

Water Rates - Proposed

▶ \$1.47 per thousand gallons for all volume above that included in the minimum bill: Minimum Gallons

▶ Single Family -	\$ 7.35	2,000
▶ Multi-Family Residential -	\$ 44.35	15,000
▶ Sprinkler/Meters -	\$ 44.95	15,000
▶ Municipal/Schools -	\$ 58.40	20,000
▶ Commercial Large ($\geq 2''$)	\$107.35	37,000
▶ Commercial Small ($<2''$)	\$ 10.40	3,000
▶ Industrial Large ($\geq 2''$)	\$235.95	80,000
▶ Industrial Small ($<2''$)	\$ 9.50	3,000
▶ Hotel/Motel	\$235.55	80,000
▶ Fire Meter	\$ 24.10	8,000

Wastewater Rates - Current

- ▶ \$2.36 per thousand gallons for all volume above that included in the minimum bill:
- | | <u>Minimum</u> | <u>Gallons</u> |
|-----------------------------------|----------------|----------------|
| ▶ Single Family - | \$ 6.50 | 2,000 |
| ▶ Multi-Family Residential - | \$ 37.10 | 15,000 |
| ▶ Sprinkler/Meters - | N/A | N/A |
| ▶ Municipal/Schools - | \$ 48.90 | 20,000 |
| ▶ Commercial Large ($\geq 2''$) | \$ 88.90 | 37,000 |
| ▶ Commercial Small ($<2''$) | \$ 8.50 | 3,000 |
| ▶ Industrial Large ($\geq 2''$) | \$190.20 | 80,000 |
| ▶ Industrial Small ($<2''$) | \$ 8.85 | 3,000 |
| ▶ Hotel/Motel | \$190.20 | 80,000 |
| ▶ Fire Meter | N/A | N/A |
- ▶ No maximum volumes except 10,000 for residential.

Summaries



Operating Results

Revenues

Expenditures

Net Operating Results

1993-94 to 1997-98

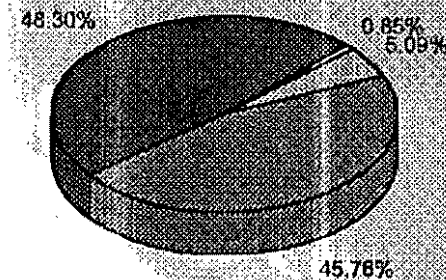
- ▶ Working capital reserves may be drawn down to target levels over the planning period.
- ▶ Revenue levels were set to:
 - Adequately provide for all costs;
 - Keep working capital above 90 days of expenditures;
 - Keep cash levels above 60 days of expenditures; and
 - Keep debt service coverage above 1.25 times average annual debt service and approximately 1 times coverage of actual debt service.

**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
ENTERPRISE FUND
NET REVENUES AND OPERATING RESULTS**

ACCOUNT TITLE	ACTUAL			1992-93 BUDGET	PLANNING YEARS				1997-98	1993-94 COST OF SERVICE		
	1989-90	1990-91	1991-92		1993-94	1994-95	1995-96	1996-97		WATER	SEWER	TOTAL
TOTAL REVENUES	4,859,021	4,687,624	4,734,579	4,756,053	5,837,387	5,947,134	6,059,077	6,173,258	6,289,724	N/A	N/A	N/A
TOTAL EXPENDITURES	4,218,979	4,554,856	4,198,438	4,856,020	5,996,309	6,249,784	6,132,082	6,344,061	6,632,985	N/A	N/A	N/A
CHANGES IN RESTRICTED ASSETS	(8,242)	(18,479)	(33,659)							N/A	N/A	N/A
NET REVENUES	631,800	114,289	502,482	(99,967)	(158,923)	(302,650)	(73,005)	(170,803)	(343,261)	N/A	N/A	N/A
BEGINNING WORKING CAPITAL	1,533,272	2,165,072	2,279,361	2,781,843	2,681,876	2,522,953	2,220,304	2,147,298	1,976,495	N/A	N/A	N/A
ENDING WORKING CAPITAL	2,165,072	2,279,361	2,781,843	2,681,876	2,522,953	2,220,304	2,147,298	1,976,495	1,633,234	N/A	N/A	N/A
RESERVED FOR INFRASTRUCTURE UNRESERVED WORKING CAPITAL	2,165,072	2,279,361	2,781,843	2,681,876	2,522,953	2,220,304	2,147,298	1,976,495	1,633,234	N/A	N/A	N/A
DAYS OPS IN UNRES BALANCE	187	183	242	202	154	130	128	114	90	N/A	N/A	N/A
COMPONENTS OF W/C:												
CASH & INVESTMENTS	1,975,392	2,145,856	2,585,501	2,445,557	2,389,258	2,120,082	1,874,864	1,656,372	1,316,803	N/A	N/A	N/A
ACCOUNTS RECEIVABLE	569,119	536,096	622,784	778,604	771,359	778,604	969,689	989,083	1,008,864	N/A	N/A	N/A
ACCRUED INTEREST REC	72,538	43,762	49,997	50,000	50,250	50,500	50,750	51,000	51,250	N/A	N/A	N/A
INVENTORIES										N/A	N/A	N/A
OTHER CURRENT ASSETS	0	0	0	0	0	0	0	0	0	N/A	N/A	N/A
CURRENT BONDS PAYABLE	0	0	0	0	0	0	0	0	0	N/A	N/A	N/A
ACCOUNTS PAYABLE	(228,496)	(202,521)	(214,558)	(313,510)	(390,323)	(405,949)	(395,888)	(413,537)	(433,037)	N/A	N/A	N/A
CURRENT GO BONDS PAYABLE	(223,481)	(243,832)	(261,879)	(278,775)	(297,590)	(322,933)	(352,117)	(306,422)	(310,646)	N/A	N/A	N/A
DUE TO OTHER FUNDS	0	0	0	0	0	0	0	0	0	N/A	N/A	N/A
NET WORKING CAPITAL	2,165,072	2,279,361	2,781,843	2,681,876	2,522,953	2,220,304	2,147,298	1,976,495	1,633,234	N/A	N/A	N/A
DAYS SALES IN RECEIVABLE	52	49	56	60	60	60	60	60	60	N/A	N/A	N/A
DAYS EXPEND IN PAYABLES	20	16	25	25	25	25	25	25	25	N/A	N/A	N/A
DAYS OPS IN UNRESERV CASH	171	173	227	184	145	124	112	95	72	N/A	N/A	N/A
NET REVS FOR COVERAGE	2,029,871	1,587,707	1,358,413	964,428	2,180,226	2,096,368	2,219,586	2,162,133	2,196,453	N/A	N/A	N/A
DEBT TO BE COVERED	838,706	847,226	835,127	840,885	2,139,815	2,147,622	2,145,457	2,150,467	2,222,367			
COVERAGE - ACTUAL	2.42	1.87	1.63	1.15	1.02	0.98	1.03	1.01	0.99	N/A	N/A	N/A

Distribution of Revenues - 1993-94

- ▶ Current Water Revenues are \$2,307,917.
- ▶ Current Sewer Revenues are \$2,186,257.
- ▶ Interest Income totals \$300,000.
- ▶ Penalties/Other equals \$50,000.
- ▶ A 1% rate increase produces \$45,000.



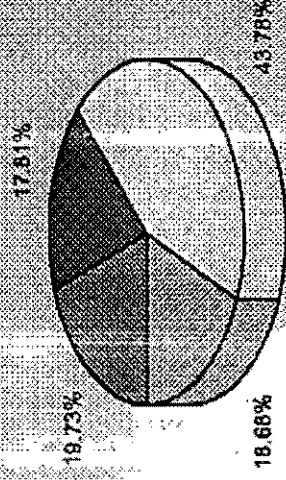
■ Water Revenues ■ Sewer Revenues
□ Interest Income □ Penalties/Other

**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
ENTERPRISE FUND
REVENUES**

ACCOUNT TITLE	ACTUAL			1992-93 BUDGET	PLANNING YEARS					1993-94 COST OF SERVICE		
	1989-90	1990-91	1991-92		1993-94	1994-95	1995-96	1996-97	1997-98	WATER	SEWER	TOTAL
WATER SALES	2,269,029	2,269,029	2,174,115	2,240,364	2,282,664	2,089,969	2,131,769	2,174,404	2,217,892	2,262,664		2,262,664
GROWTH IN SALES		(94,914)	66,249	22,300	45,253	41,799	42,635	43,488	41,358	45,253		45,253
%		-4.18%	3.05%	1.00%	2.00%	2.00%	2.00%	2.00%	2.00%			
RATE INCREASE REQUIRED		0	0	0	(217,948)	0	0	0	0	(217,948)		(217,948)
% - ZERO SUBSIDIZATION					-9.44%							
% - AVERAGE		0.00%	0.00%	0.00%	22.10%	0.00%	0.00%	0.00%	0.00%	0	0	
INTERFUND SUBSIDIZATION										0	0	0
SEWER SALES	2,242,145	2,242,145	2,111,717	2,124,689	2,143,389	3,397,417	3,465,365	3,534,673	3,605,366		2,143,389	2,143,389
GROWTH IN SALES		(130,428)	12,972	18,700	42,868	67,948	69,307	70,693	72,107		42,868	42,868
%		-5.82%	0.61%	0.88%	2.00%	2.00%	2.00%	2.00%	2.00%			
RATE INCREASE REQUIRED				0	1,211,160	0	0	0	0		1,211,160	1,211,160
% - ZERO SUBSIDIZATION					55.40%							
% - AVERAGE				0.00%	22.10%	0.00%	0.00%	0.00%	0.00%			
OTHER REVENUES												
PENALTIES	59,787	52,176	43,703	40,000	40,000	40,000	40,000	40,000	40,000		40,000	40,000
WATER & SEWER TAPS	1,220	7,355	30,515	10,000	10,000	10,000	10,000	10,000	10,000	5,000	5,000	10,000
INTEREST INCOME	286,840	296,974	236,133	300,000	300,000	300,000	300,000	300,000	300,000	150,000	150,000	300,000
SALE OF ASSETS	0	5,186	4,867	0	0	0	0	0	0	0	0	0
MISCELLANEOUS INCOME		40,099	54,308									
ADJ TO CAFR	0	0	0	0								
TOTAL	4,859,021	4,687,624	4,734,579	4,756,053	5,837,387	5,947,134	6,059,077	6,173,258	6,289,724	2,244,969	3,592,417	5,837,387

Expenditures - 1993-94

- ▶ Operating & Maintenance Costs total \$1,065,451.
- ▶ Water purchases total \$1,180,549.
- ▶ Wastewater treatment costs are \$1,117,958.
- ▶ Debt Service equals \$2,619,352



■ Ops & Maint ■ Water Purch
■ Sewer Treatment ■ Debt Service

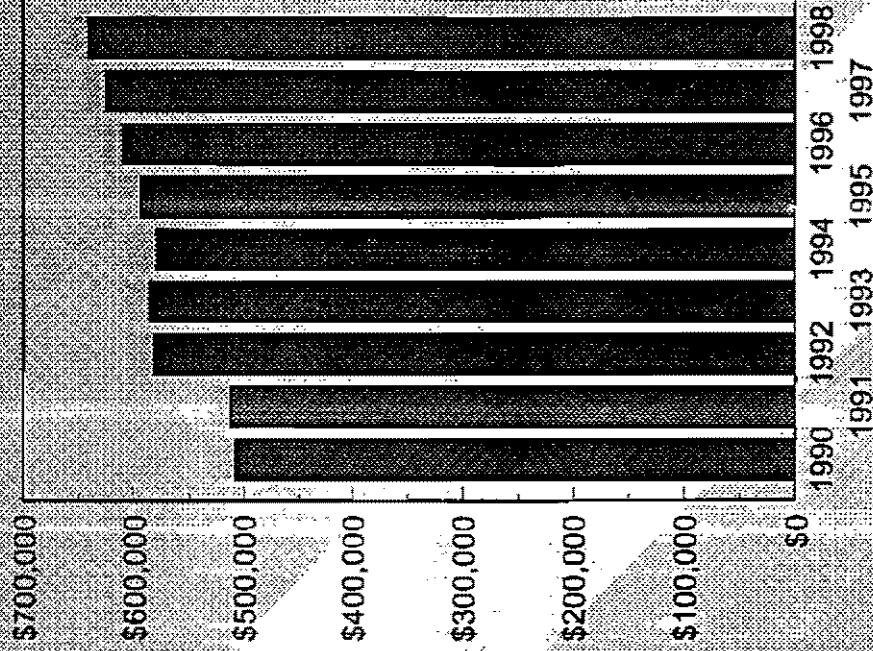
**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
ENTERPRISE FUND
EXPENDITURES**

ACCOUNT TITLE	ACTUAL			1992-93 BUDGET	PLANNING YEARS					1993-94 COST OF SERVICE		
	1989-90	1990-91	1991-92		1993-94	1994-95	1995-96	1996-97	1997-98	WATER	SEWER	TOTAL
PERSONNEL COSTS	507,793	512,029	580,914	584,960	578,843	593,249	608,205	623,742	639,890	289,422	289,422	578,843
SUPPLIES	27,234	34,198	35,783	35,400	37,170	39,029	40,980	43,029	45,190	18,585	18,585	37,170
MATERIALS/MAINTENANCE	65,413	95,077	37,924	71,200	75,223	79,495	84,033	88,855	93,980	37,611	37,611	75,223
UTILITIES	75,767	89,982	94,709	90,200	96,710	103,696	111,192	119,236	127,868	48,355	48,355	96,710
OTHER CONTRACTUAL SVCS	33,137	27,169	59,703	73,970	78,171	82,620	87,331	92,322	97,609	39,086	39,086	78,171
CAPITAL OUTLAY	34,366	51,192	20,804	223,510	199,334	251,396	147,134	182,469	317,317	99,667	99,667	199,334
OTHER	2,104	0	0	0	0	0	0	0	0	0	0	0
DWU - WATER	982,460	1,049,599	1,105,500	1,146,200	1,180,549	1,264,087	1,312,276	1,415,575	1,468,901	1,180,549	0	1,180,549
DWU - SEWER	197,288	226,470	317,578	472,304	491,326	526,159	418,874	440,151	498,237	0	491,326	491,326
FARMERS BRANCH - SEWER	429,922	541,964	601,841	479,782	603,190	650,154	665,064	676,128	687,099	0	603,190	603,190
CARROLLTON - SEWER	15,372	20,571	21,707	22,709	23,442	25,180	25,580	26,012	26,439	0	23,442	23,442
GENERAL & ADMIN	525,000	575,000										
NDWSC/LIFT STATION				333,768	13,000	13,000	13,000	13,000	13,000		13,000	13,000
RECONCILEMENTS	(2)	3	0	(3,769)	0	0	0	0	0	0	0	0
OPERATING EXPENDITURES	2,895,854	3,223,254	2,876,463	3,530,234	3,376,958	3,628,063	3,513,669	3,720,519	4,015,631	1,713,274	1,663,683	3,376,958
DEBT SERVICE												
1985 BONDS	484,420	484,375	486,848	484,901	479,537	474,099	472,957	473,076	394,986	215,792	263,745	479,537
1987 BONDS	836,533	845,895	833,595	840,885	821,485	831,965	840,550	847,055	846,700	369,668	451,817	821,485
1993 REFUNDING SAVINGS	0	0	0	0	(39,012)	(36,993)	(39,593)	(37,388)	(40,608)	(17,555)	(21,457)	(39,012)
1993 NEW MONEY (\$20.2 M)					1,423,417	1,418,725	1,410,575	1,406,875	1,482,350	24,910	1,398,507	1,423,417
LESS DWU FRANCHISE PART					(66,075)	(66,075)	(66,075)	(66,075)	(66,075)	0	(66,075)	(66,075)
FUTURE BOND ISSUES	0	0	0	0	0	0	0	0	0	0	0	0
DEBT SVC REST ASSETS	2,173	1,331	1,532							0	0	0
TOTAL	1,323,125	1,331,601	1,321,975	1,325,786	2,619,352	2,621,721	2,618,414	2,623,543	2,617,353	592,814	2,026,537	2,619,352
LESS OTHER FUNDS												
NET DEBT SERVICE	1,323,125	1,331,601	1,321,975	1,325,786	2,619,352	2,621,721	2,618,414	2,623,543	2,617,353	592,814	2,026,537	2,619,352
DEBT IN RATE RECOVERY	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
ADJ TO CAFR/OTHER												
TOTAL	4,218,979	4,554,856	4,198,438	4,856,020	5,996,309	6,249,784	6,132,082	6,344,061	6,632,985	2,306,089	3,690,221	5,996,309

Personnel Costs

- ▶ The overall annual increase averages 1.8%.
- ▶ Staffing has been reduced in recent years with the last change being the utilities director, saving \$20,000 in FY 93 and \$40,000 thereafter.
- ▶ Total positions are 12.4 with no additions except for one that is DWU franchise related.

SALARY & RELATED COSTS



**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
STAFFING TABLE
UTILITIES DEPARTMENT**

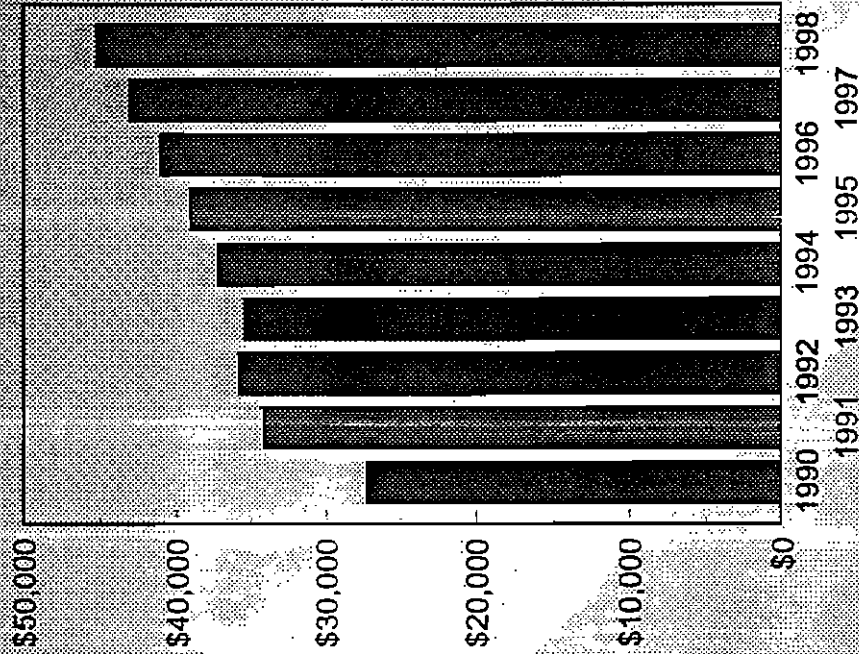
ACCOUNT TITLE	LEVEL		ACTUAL			1992-93	PLANNING YEARS				
	RANGE	EXEMPT	1989-90	1990-91	1991-92	BUDGET	1993-94	1994-95	1995-96	1996-97	1997-98
PUBLIC WORKS DIRECTOR	26	E	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
UTILITIES DIRECTOR	20	E	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
RIGHT-OF-WAY INSPECTOR	11	N	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
FOREMAN	9	E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CREW LEADER	7	N	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
IRRIGATION SPECIALIST	7	N	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
EQUIPMENT OPERATOR	5	N	0.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DEPARTMENT SECRETARY	5	N	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
UTILITY OPERATOR SENIOR	4	N	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
UTILITY OPERATOR II	3	N	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
UTILITY OPERATOR I	2	N	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
CLERK	2	N	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LABORER	1	N	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TOTAL			15.0	15.0	16.0	12.9	12.4	12.4	12.4	12.4	12.4

Supplies

▶ Current budgetary levels are \$35,400 and 5% increases are projected.

- ▶ The primary items are:
- Office supplies - 14%.
 - Tools & Equip - 22%.
 - Fuel & Oil - 38%.
 - Uniforms - 8%.

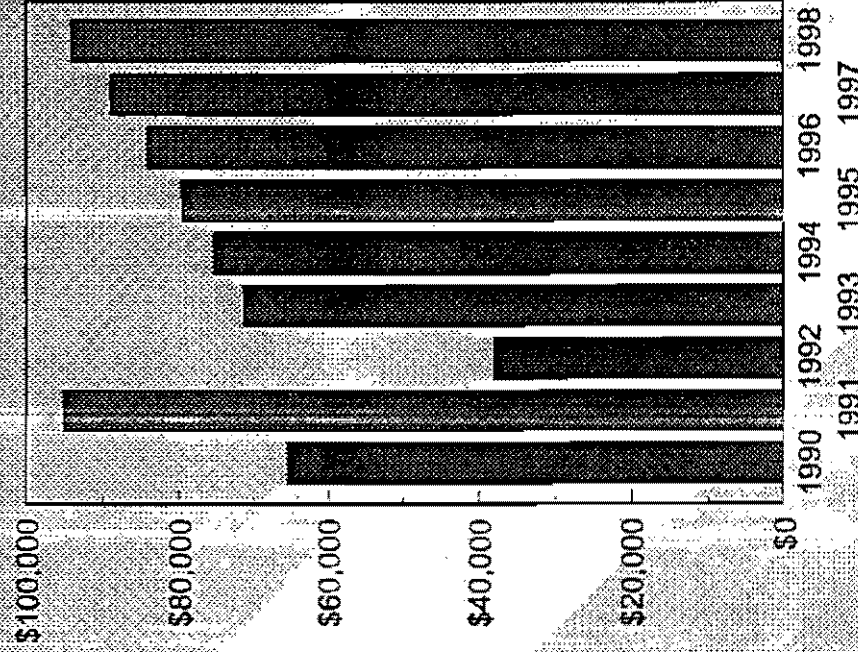
SUPPLY CATEGORY



Maintenance/Materials

- ▶ Current budgetary levels are \$71,200 and 5.7% average increases are projected.
- ▶ The primary items are utility plant, meters and service connections, motor vehicles, and tool maintenance.
- ▶ This category is subject to significant annual variations due to its nature.

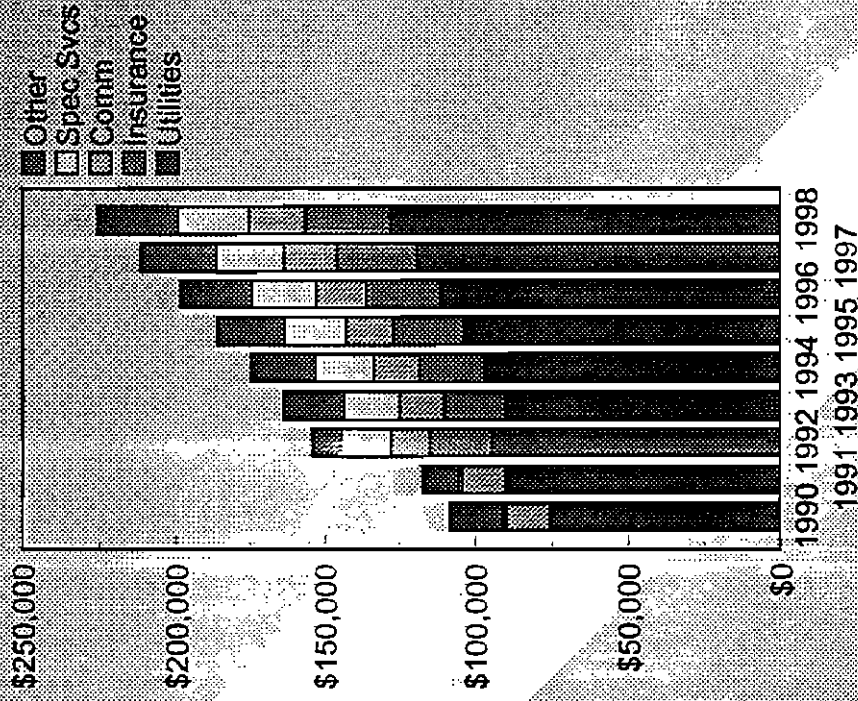
Maintenance



Contractual Services

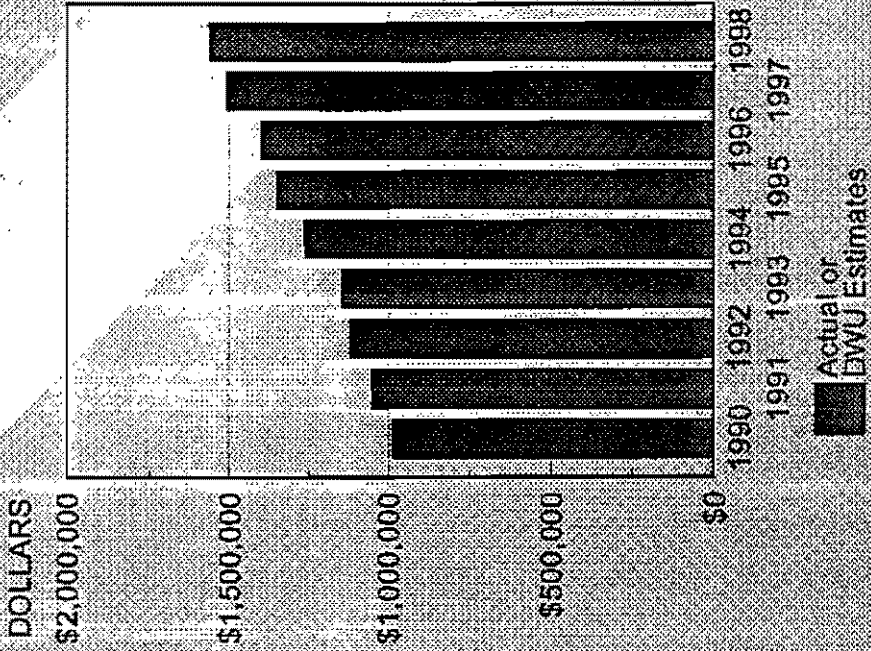
- ▶ Consulting fees, communications, rentals, insurance and utilities make up this category.
- ▶ Current budget is \$164,170 and is projected to increase by 6.6% annually.
- ▶ Some expenditures previously recorded elsewhere in the budget have been moved here in recent years.

Services

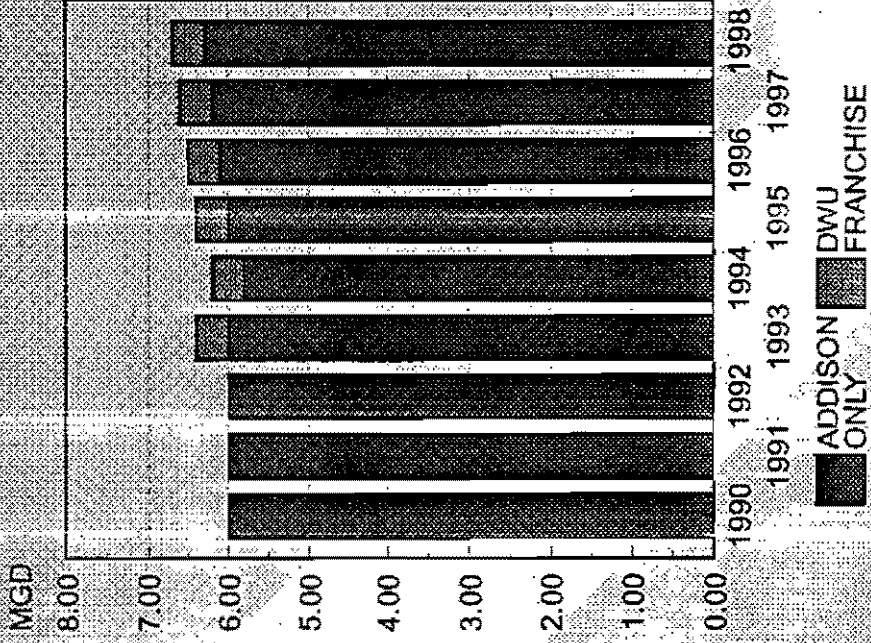


DWU Water Demand Charge

COST PER MGD



ROFC SETTING



DWU Water Volume Charge

COST PER 1,000 GALS.

DOLLARS

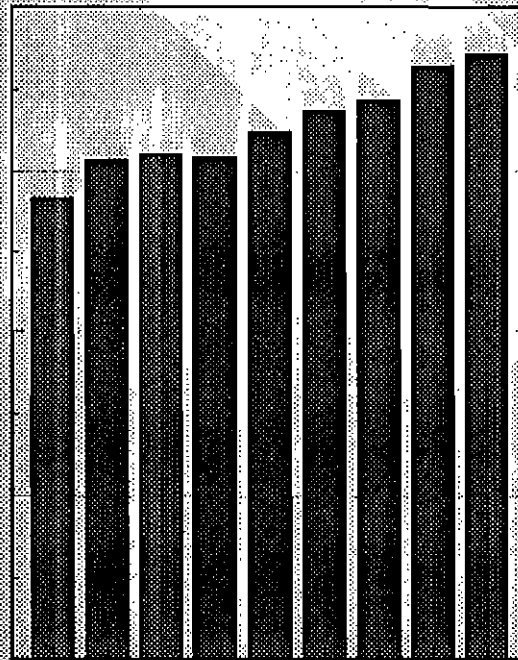
\$0.4000

\$0.3000

\$0.2000

\$0.1000

\$0.0000



Actual or
DWU Estimates

1,000s OF GALLONS

1,600,000

1,400,000

1,200,000

1,000,000

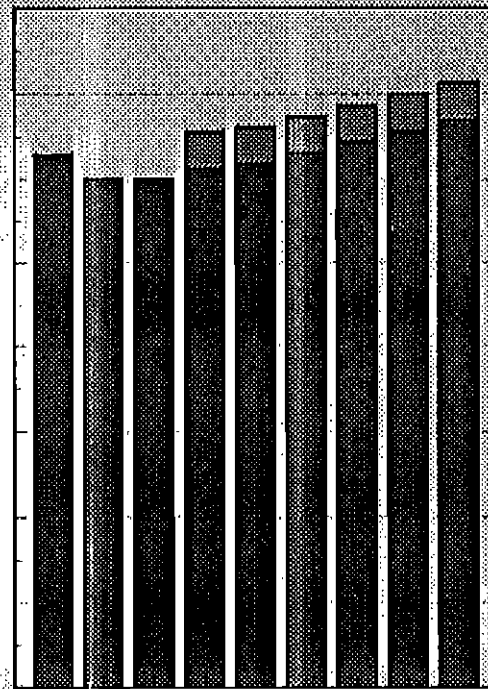
800,000

600,000

400,000

200,000

0



ADDISON ONLY DWU FRANCHISE

DWU Total Cost of Water

COST PER 1,000 GALS.

DOLLARS

\$1:2000

\$1:0000

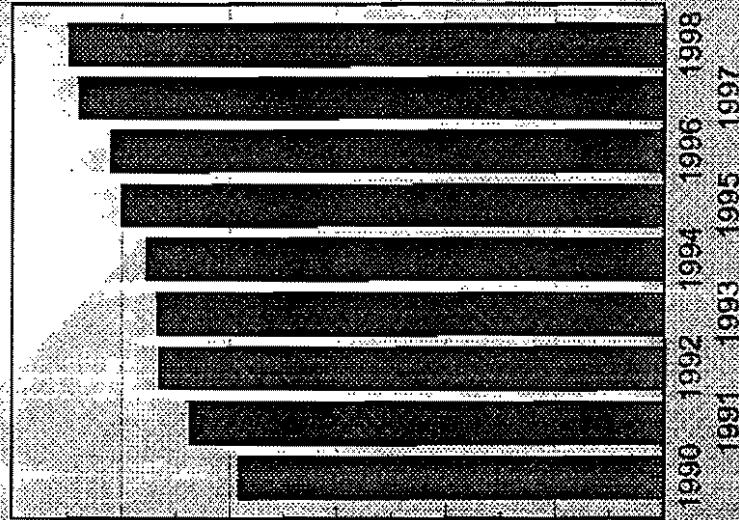
\$0:8000

\$0:6000

\$0:4000

\$0:2000

\$0:0000



Actual or
DWU Estimates

Total Cost

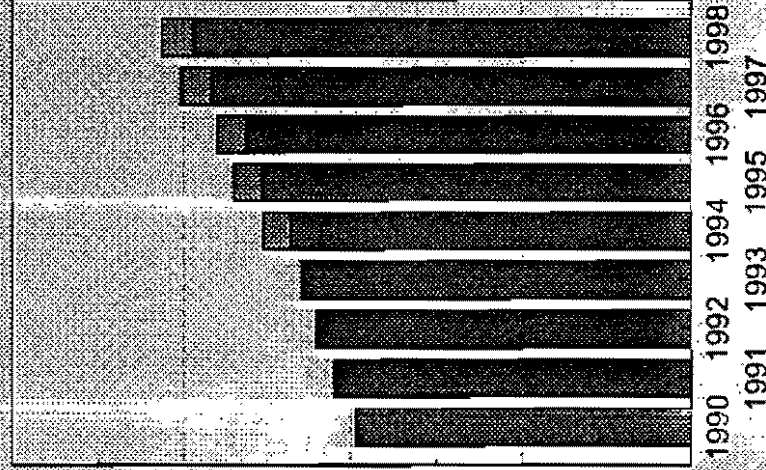
\$2,000,000

\$1,500,000

\$1,000,000

\$500,000

\$0



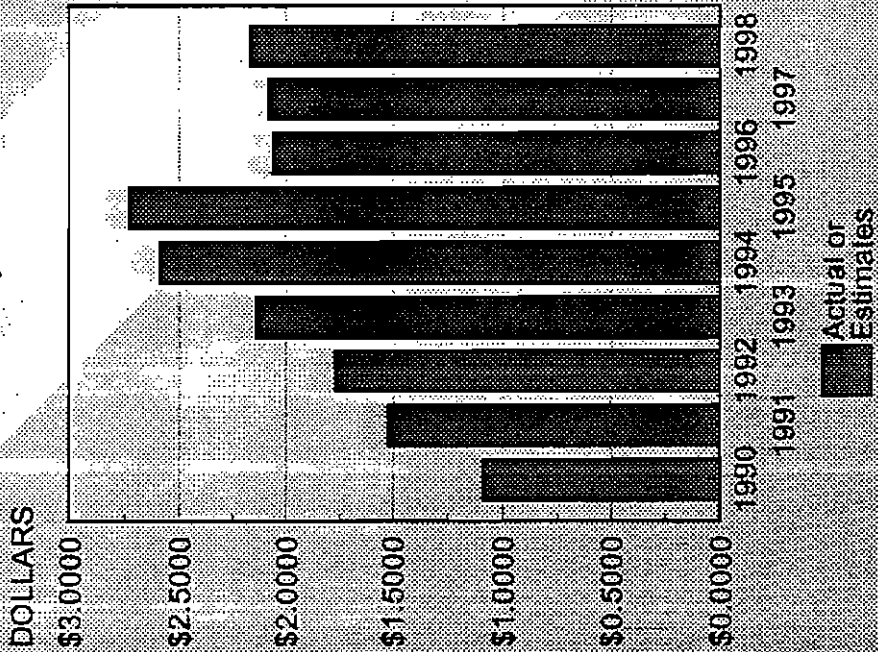
ADDITION ONLY
DWU
FRANCHISE

**TOWN OF ADDISON
MULTI-YEAR FINANCIAL PLAN
DALLAS WATER UTILITY CHARGES**

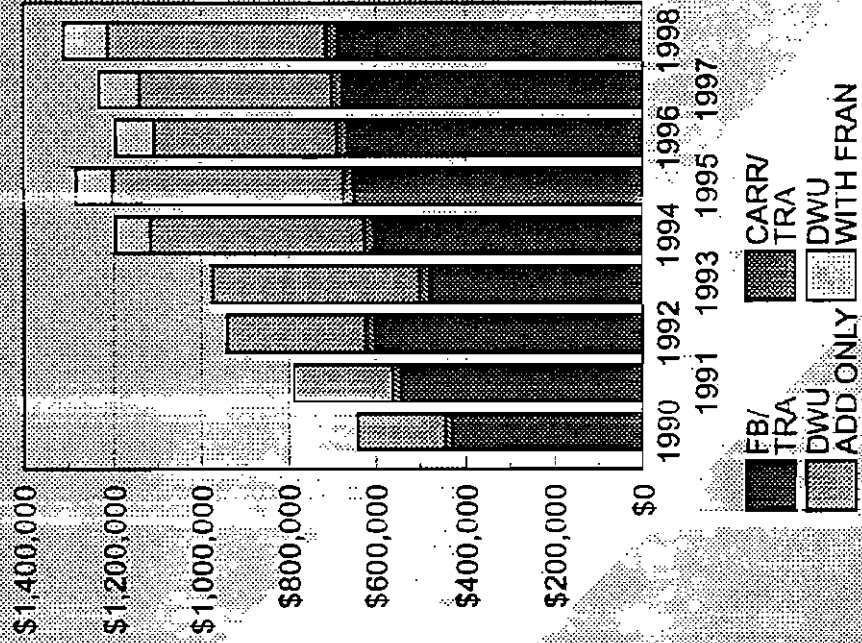
	ACTUAL 1989-90	ACTUAL 1990-91	ESTIMATED 1991-92	1992-93 BUDGET	PLANNING YEARS				
					1993-94	1994-95	1995-96	1996-97	1997-98
1 DEMAND CHARGE PER MGD	\$104,443	\$113,542	\$122,052	\$128,041	\$134,443	\$139,821	\$142,617	\$151,174	\$154,197
2									
3 VOLUME CHARGE/1,000 GAL.	\$0.2829	\$0.3087	\$0.3105	\$0.3085	\$0.3239	\$0.3369	\$0.3436	\$0.3642	\$0.3715
4									
5 % RATE INCREASE									
6 DEMAND CHARGE FROM DWU	N/A	8.71%	7.50%	4.91%	5.00%	4.00%	2.00%	6.00%	2.00%
7 VOLUME CHARGE FROM DWU	N/A	8.41%	1.24%	-0.84%	5.00%	4.00%	2.00%	6.00%	2.00%
8 ROFC SETTING (MGD)	8.0	6.0	6.0	6.0	6.2	6.4	6.5	6.8	6.7
9 WITHOUT DWU FRANCHISE	6.0	6.0	6.0	6.0	5.8	6.0	8.1	8.2	8.3
10 DWU FRANCHISE	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
11 VOLUME OF WATER (1,000's)	1,257,697	1,201,002	1,201,895	1,225,134	1,322,795	1,347,419	1,372,727	1,398,719	1,424,711
12 WITHOUT DWU FRANCHISE	1,257,697	1,201,002	1,201,895	1,225,134	1,237,356	1,261,980	1,287,288	1,313,280	1,339,272
13 DWU FRANCHISE	0	0	0	0	85,439	85,439	85,439	85,439	85,439
14 GROWTH FACTORS									
15 NUMBER OF CONNECTIONS	1,631	1,497	1,547	1,791	2,052	2,088	2,125	2,163	2,201
16 WITHOUT DWU FRANCHISE	1,631	1,497	1,547	1,791	1,809	1,845	1,882	1,920	1,958
17 DWU FRANCHISE	0	0	0	0	243	243	243	243	243
18 GALLONS PER CONNECTION/MONTH	64,260	66,856	64,743	57,004	53,720	53,776	53,832	53,888	53,942
19 WITHOUT DWU FRANCHISE	64,260	66,856	64,743	57,000	57,000	57,000	57,000	57,000	57,000
20 DWU FRANCHISE	N/A	N/A	N/A	N/A	29,300	29,300	29,300	29,300	29,300
21 GROWTH IN VOLUME	N/A	-4.51%	0.07%	1.93%	7.97%	1.86%	1.88%	1.89%	1.86%
22 WITHOUT DWU FRANCHISE	N/A	-4.51%	0.07%	1.93%	1.00%	1.99%	2.01%	2.02%	1.98%
23 DWU FRANCHISE	N/A	N/A	N/A	N/A	100.00%	-0.00%	0.00%	0.00%	0.00%
24 Load Factor (Annual Volume Divided By Annualized ROFC Setting)	57.43%	54.84%	54.88%	55.94%	58.45%	57.68%	57.86%	58.06%	58.26%
28 STORAGE FACILITIES									
27 Storage Facilities (MG)	8	8	8	8	8	8	8	8	8
28 Additions (MG)	0	0	0	0	0	0	0	0	0
29 TOTAL STORAGE	8	8	8	8	8	8	8	8	8
30 Storage/Demand Ratio	133.33%	133.33%	133.33%	133.33%	129.03%	125.00%	123.08%	121.21%	119.40%
31 COST OF WATER									
32 ANNUAL DEMAND CHARGE TOTAL	\$626,658	\$681,252	\$732,312	\$768,246	\$833,547	\$894,854	\$927,011	\$997,748	\$1,033,120
33 WITHOUT DWU FRANCHISE	\$626,658	\$681,252	\$732,312	\$768,246	\$779,769	\$838,926	\$869,964	\$937,279	\$971,441
34 DWU FRANCHISE	\$0	\$0	\$0	\$0	\$53,777	\$55,928	\$57,047	\$60,470	\$61,679
35 ANNUAL VOLUME CHARGE TOTAL	\$355,802	\$368,347	\$373,188	\$377,954	\$428,453	\$453,945	\$471,669	\$509,413	\$529,280
36 WITHOUT DWU FRANCHISE	\$355,802	\$368,347	\$373,188	\$377,954	\$400,780	\$425,161	\$442,312	\$478,297	\$497,540
37 DWU FRANCHISE	\$0	\$0	\$0	\$0	\$27,674	\$28,784	\$29,357	\$31,117	\$31,741
38 TOTAL ANNUAL COST OF WATER	\$982,460	\$1,049,599	\$1,105,500	\$1,146,200	\$1,262,000	\$1,348,800	\$1,398,679	\$1,507,162	\$1,562,400
39 WITHOUT DWU FRANCHISE	\$982,460	\$1,049,599	\$1,105,500	\$1,146,200	\$1,180,549	\$1,264,087	\$1,312,276	\$1,415,575	\$1,468,981
40 DWU FRANCHISE	\$0	\$0	\$0	\$0	\$81,451	\$84,713	\$86,404	\$91,586	\$93,419
41 RECONCILEMENTS	\$0	\$0	\$11,928	\$0	\$0	\$0	\$0	\$0	\$0
42 NET ANNUAL COST OF WATER	\$982,460	\$1,049,599	\$1,117,428	\$1,146,200	\$1,262,000	\$1,348,800	\$1,398,679	\$1,507,162	\$1,562,400
43 Average Cost/1,000 Gallons	\$0.7812	\$0.8739	\$0.9297	\$0.9356	\$0.9540	\$1.0010	\$1.0189	\$1.0775	\$1.0966
44 % Net Effective Increase	N/A	11.88%	6.38%	0.63%	1.97%	4.92%	1.79%	5.75%	1.77%

Cost of Wastewater Treatment

COST PER 1,000 GALS.



Total Cost



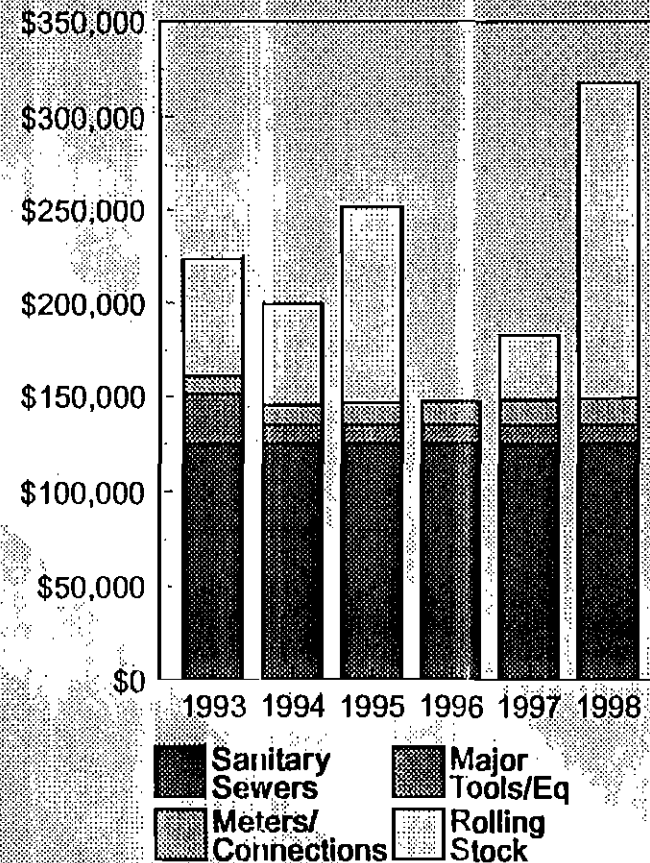
**TOWN OF ADDISON
MULTI-YEAR FINANCIAL PLAN
WASTEWATER CHARGES**

	ACTUAL 1989-90	ACTUAL 1990-91	ESTIMATED 1991-92	1992-93 BUDGET	PLANNING YEARS				
					1993-94	1994-95	1995-96	1996-97	1997-98
1 WATER PURCHASED FROM DWU	1,257,697	1,201,002	1,201,895	1,225,134	1,237,356	1,261,980	1,267,288	1,313,280	1,339,272
2 DWU FRANCHISE				0	85,439	85,439	85,439	85,439	85,439
3									
4 WASTEWATER % OF WATER	66.99%	64.39%	67.90%	69.12%	69.12%	69.12%	69.12%	69.12%	69.12%
5									
6									
7 FLOW:									
8 DALLAS									
9 WITHOUT DWU FRANCHISE	228,342,432	233,547,472	261,165,760	370,725,000	374,423,372	381,874,583	289,532,773	295,378,812	301,224,851
10 DWU FRANCHISE					59,055,385	59,055,247	59,055,247	59,055,247	59,055,247
11 CARROLLTON	22,749,984	21,653,408	22,652,004	19,906,250	20,104,836	20,504,932	20,916,142	21,338,466	21,760,790
12 FARMERS BRANCH	591,499,584	518,135,120	532,125,236	456,180,625	460,731,506	489,900,293	579,323,767	591,021,059	602,718,351
13 TOTAL	842,592,000	773,336,000	816,143,000	846,811,875	914,315,099	931,335,054	948,827,929	986,793,583	984,759,238
14									
15									
16 COST PER THOUSAND GALLONS:									
17 DALLAS	\$0.664	\$0.970	\$1.218	\$1.274	\$1.312	\$1.378	\$1.447	\$1.490	\$1.654
18 INCREASE	11.90%	12.30%	25.40%	4.80%	3.00%	5.00%	5.00%	3.00%	11.00%
19									
20 CARROLLTON	\$0.676	\$0.950	\$0.950	\$1.141	\$1.166	\$1.228	\$1.223	\$1.219	\$1.215
21 TRA RATE	\$0.601	\$0.845	\$1.040	\$1.066	\$1.091	\$1.153	\$1.148	\$1.144	\$1.140
22 TRANSPORTATION CHARGE	\$0.075	\$0.105	(\$0.090)	\$0.075	\$0.075	\$0.075	\$0.075	\$0.075	\$0.075
23									
24 FARMERS BRANCH	\$0.750	\$0.943	\$1.007	\$1.000	\$1.309	\$1.384	\$1.148	\$1.144	\$1.140
25 TRA RATE	\$0.625	\$0.766	\$0.839	\$0.803	\$1.091	\$1.153	\$1.148	\$1.144	\$1.140
26 TRANSPORTATION CHARGE	\$0.125	\$0.157	\$0.168	\$0.177	\$0.218	\$0.231	\$0.000	\$0.000	\$0.000
27									
28									
29 TOTAL COST:									
30 DALLAS WITHOUT DWU FRANCHISE	\$197,288	\$226,470	\$317,578	\$472,304	\$491,326	\$526,159	\$418,874	\$440,151	\$498,237
31 DALLAS - DWU FRANCHISE	\$0	\$0	\$0	\$0	\$77,494	\$81,368	\$85,437	\$88,000	\$97,680
32 CARROLLTON	\$15,372	\$20,571	\$21,707	\$22,709	\$23,442	\$25,180	\$25,580	\$26,012	\$26,439
33 FARMERS BRANCH	\$443,825	\$488,601	\$535,850	\$483,551	\$603,190	\$650,154	\$665,064	\$678,128	\$687,099
34 RECONCILEMENTS	(\$13,703)	\$53,363	\$65,991	(\$3,769)	\$0	\$0	\$0	\$0	\$0
35 TOTAL	\$642,582	\$789,005	\$941,128	\$974,795	\$1,195,451	\$1,282,861	\$1,194,954	\$1,230,290	\$1,309,455
36									
37 AVERAGE COST/THOUSAND	\$1.09	\$1.52	\$1.77	\$2.14	\$2.59	\$2.73	\$2.06	\$2.08	\$2.17
38									
39 AVERAGE INCREASE IN UNIT COST	N/A	40.17%	16.14%	20.82%	21.42%	5.22%	-24.45%	0.32%	4.37%

Capital Outlays From Annual Operating Budgets

- ▶ An inventory of rolling stock and other major equipment was taken with replacements scheduled over the planning period.
- ▶ Capital repairs and replacements for sewer are set at \$125,000 per year.
- ▶ Meters and service connections are estimated to increase 7% per year.
- ▶ Major tools and equipment costs are estimated to be \$10,000 over the planning period.

Capital Outlays



**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
ENTERPRISE FUND - CAPITAL REPLACEMENT PLAN**

VEHICLE	MOD YR	UNIT #	LIC #	ODO-METER	LIFE	PURCH DATE	ORIGINAL COST	SALVAGE VALUE	DEPREC ACCUM	1992-93	PLANNING YEARS				
										BUDGET	1993-94	1994-95	1995-96	1996-97	1997-9
TOWABLE TRAILER EQUIPMENT	1990	0700009	N/A	N/A	10	10/01/90	N/A	N/A	N/A						
FORD HEAVY TRUCK	1984	0741849	454-56	22,525	10	05/01/84	N/A	N/A	N/A						
CHEV C-30 LIGHT TRUCK	1985	0743851	473-40	62,230	10	04/09/85	\$20,356	\$2,500	78.33%	\$15,529		\$33,156			
CHANGE OVER										\$1,500					
FORD F-350 LIGHT TRUCK	1985	0744850	478-32	53,001	7	05/07/85	\$12,464	\$2,000	100.00%	\$19,981					
CHEVY C-30 LIGHT TRUCK	1986	0745861	489-94	62,411	7	02/26/88	\$14,261	\$1,500	98.81%		\$20,064				
GMC LIGHT TRUCK	1986	0746861	498-14	73,335	7	12/11/85	\$12,923	\$2,000	100.00%		\$18,183				
DODGE D-150 LIGHT TRUCK	1990	0747902	583-35	27,217	7	05/16/90	\$11,221	\$2,000	38.10%					\$15,788	
FORD F-350 LIGHT TRUCK	1990	0748900	585-05	18,463	7	07/13/90	\$13,246	\$3,000	35.71%					\$18,837	
FORD F-250 LIGHT TRUCK	1991	0749910	TEMP	12,131	7	04/01/91	\$15,396	\$3,000	25.00%						\$21,66
FORD F-250 LIGHT TRUCK	1991	0750910	TEMP	11,574	7	04/01/91	\$15,396	\$3,000	25.00%						\$21,66
FMC SEWER JET LIGHT EQUIPMENT	1978		919-79	1,020 H	20	03/11/77	\$4,000	\$500	80.00%		\$6,515				
SULLAIR AIR COMPRESSOR	1987		944-52	730 HR	30	01/01/87	\$4,000	\$1,000	20.28%			\$15,607			
MSC WATER EQUIPMENT	1990		N/A	1 HR	N/A	01/01/90	\$0	\$0	0						
FORD VACTOR	1984	0741849B					\$109,119								\$125,00
SEWER TV							\$25,500			\$25,500					
SEWER TV TRAILOR							\$10,000								
TRAILOR - SEWER CLEANER															
CONCRETE MIXER							\$1,983					\$3,230			
GROUT PACKER							\$32,610					\$53,115			
TRAILOR - 84							\$5,570				\$9,072				
DESKS (4)							\$5,195								
OFFICE CHAIRS (15)							\$4,169								
CREDENZA (3)							\$4,580								
FILE CABINETS (16)							\$2,960								
FILES (4)							\$3,000								
BOOKCASE/SHELVES (3)							\$800								
PLAN RACKS (2)							\$640								
MAP FILE CABINETS (7)							\$1,050								
TUBE FILES (4)							\$599								
STORAGE UNITS (3)							\$246								
MICROWAVE OVEN							\$300								

**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
ENTERPRISE FUND - CAPITAL REPLACEMENT PLAN**

VEHICLE	MOD YR	UNIT #	LIC #	ODO-METER	LIFE	PURCH DATE	ORIGINAL COST	SALVAGE VALUE	DEPREC ACCUM	1992-93	PLANNING YEARS				
										BUDGET	1993-94	1994-95	1995-96	1996-97	1997-98
COKE MACHINE							\$1,105								
REFRIGERATOR							620								
ICE MAKER							450								
CALCUALTORS (2)							\$169								
TYPEWRITER							\$1,295								
CAMERA							\$300								
TELEVISION							\$500								
VIDEO TUNER							\$600								
VCR							\$600								
VCR DOLLY							\$230								
TV MONITOR							\$300								
VIDEO RECORDER & TIMER							\$500								
CCTV CAMERA							\$3,900								
TWO-WAY RADIOS (10)							\$4,995								
20 AMP POWER SUPPLY							\$125								
MOBILE PHONE							\$320								
PIPE/LEAK DETECTOR							\$350								
METAL DETECTOR (2)							\$799								
HYDRANT TEST KIT							\$200								
DITCH PUMP							\$500								
CABLE/PIPE LOCATOR							\$500								
DIAPHRAGN PUMP (3)							\$1,200								
WORKBENCH							\$150								
FLOW METER & RECEIVER							\$5,459								
36 DRAWER BIN UNIT							\$350								
WINDMASTER SIGNSTAND (2)															
TOOL CABINET & BASE															
PIPE BENDER							\$2,401								
WORKLIGHT (2)							\$152								
GRINDER							\$70								
CHIPPING HAMMER							\$165								
BANDSAW							\$190								

**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
ENTERPRISE FUND - CAPITAL REPLACEMENT PLAN**

VEHICLE	MOD YR	UNIT #	LIC #	ODO-METER	LIFE	PURCH DATE	ORIGINAL COST	SALVAGE VALUE	DEPREC ACCUM	1992-93	PLANNING YEARS				
										BUDGET	1993-94	1994-95	1995-96	1996-97	1997-98
AIR COMPRESSOR							\$300								
LADDER							\$90								
CALIBRATION KIT							\$416								
GAS DETECTOR (3)							\$3,885								
CHARGER/GAS DETECTOR							\$130								
PIPE THREADING KIT							\$135								
PIPE VICE							\$0								
TAP & DIE SET							\$152								
MIG WELDER							\$180								
ROBIN COMPACTOR							\$0								
PORTABLE GENERATOR							\$350								
TELEDATA PANEL							\$750								
CLOSED CIRCUIT PANEL							\$300								
CABLE REEL							\$500								
VEHICLE AIR CONDITIONER							\$250								
POWER GENERATOR							\$2,500								
500 FT OF 2000 PSI HOSE							\$1,000								
BLOWER, SMOKE							\$1,325								
HAND TRUCK (2)							\$50								
TROLLING MOTOR							\$65								
MICROCOMPUTER CPU							\$64								
VGA MONITOR							\$300								
MONITORS (2)							\$448								
PRINTER							\$400								
PRINTER STAND							\$300								
MARKER BOARD							\$415								
TOTAL UTILITY FUND							\$374,381	\$20,500		\$62,510	\$53,834	\$105,108	\$0	\$34,425	\$168,324

Purchase of DWU Franchise

- ▶ The purchase of the system is estimated to be \$250,000 and the cost of change-over is approximately \$450,000.
- ▶ It is anticipated that one Utility Operator II or equivalent will be needed.
- ▶ The cost of purchased water and treated wastewater have been taken into consideration.
- ▶ The assumption is that the customers served by the DWU franchise will pay Addison rates.
- ▶ The net benefit is expected to be about \$50,000 per year with a total payout as early as 7 years but no later than 12 years.

DEPARTMENT: UTILITIES

TITLE OF PROGRAM EXPANSION:

PURCHASE OF DWU FRANCHISE

**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
PROGRAM EXPANSION INPUT SHEET
1993-94 THROUGH 1997-98**

ACCT #	LINE ITEMS	ANNUAL AMOUNTS				
		1993-94	1994-95	1995-96	1996-97	1997-98
	REVENUES:					
	WATER	\$188,416	\$188,416	\$188,416	\$188,416	\$188,416
	WASTEWATER	128,043	128,043	128,043	128,043	128,043
	OTHER	10,000	10,000	10,000	10,000	10,000
	TOTAL	\$326,459	\$326,459	\$326,459	\$326,459	\$326,459
	EXPENDITURES:					
	STAFFING/OPERATIONS	\$30,000	\$31,500	\$33,075	\$34,729	\$36,465
	DEBT SERVICE	66,075	66,075	66,075	66,075	66,075
	COST OF WATER					
	DEMAND	53,777	55,928	57,047	60,470	61,679
	VOLUME	27,674	29,784	29,357	31,117	31,741
	COST OF WASTEWATER	72,541	76,168	79,976	82,375	91,437
	CONTINGENCIES	25,000	25,000	25,000	25,000	25,000
	TOTAL	\$275,067	\$284,455	\$290,530	\$299,766	\$312,397
	NET BENEFIT TO CITY	\$51,392	\$42,004	\$35,929	\$26,693	\$14,062
	TOTAL					

DESCRIPTION/JUSTIFICATION OF THIS REQUEST:

PURCHASE OF DWU SYSTEM - \$250,000
 COST OF SWITCHOVER - \$450,000
 TOTAL \$700,000
 TO BE FINANCED WITH BONDS - 20 YR/7%

REVENUES GENERATED WILL EXCEED THE COST OF THE DWU FRANCHISE. ALL CUSTOMERS WILL THEN BE SERVED BY ADDISON.

GENERAL COMMENTS ABOUT STAFFING/LINE ITEMS:

THE ADDITIONAL STAFFING MAY BE ACCOMPLISHED WITH ONE OR MORE PART-TIME POSITION. METER READING, BILLING, COLLECTIONS AND OTHER SUPPORT SERVICES WILL HAVE A 10+ % INCREASE IN WORKLOAD. OTHER DIRECT IMPACTS WILL NOT BE EXACTLY IDENTIFIED UNTIL THE ACQUISITION OCCURS. HOWEVER, IT IS NOT ANTICIPATED TO BE MORE THAN THE EQUIVALENT OF ONE POSITION WITH RELATED COSTS. DIRECT COST OF WATER PURCHASES AND SEWER TREATMENT COSTS HAVE BEEN CONSIDERED.

STAFFING REQUESTS DEFINED		QUANTITY / START YEAR				
POSITION	'92-'93 SAL RANGE	1993-94	1994-95	1995-96	1996-97	1997-98
UTILITY OPERATOR II OR EQUIV		1				

Major Capital Projects

▶ **Funded From 1993 Bond Issue:**

- Addison Portion of Tunnel	\$14,535,000
- Lines - Tunnel Diversion	\$ 3,500,000
- DWU Franchise Purchase	\$ 700,000
- Contingencies	<u>\$ 1,465,000</u>
- Total	\$20,200,000

▶ **Funded From 1993 Operating Budget/Other:**

- Lift Station	\$ 410,992
▶ From Operating Budget	\$ 260,001
▶ From Previous Bond Funds	\$ 150,991
- Engineering	\$ 60,767
- Contract Administration	<u>\$ 13,000</u>
- Total	\$ 484,759

**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
ENTERPRISE FUND
CAPITAL PROJECTS AND METHOD OF FUNDING**

ACCT	ACCOUNT TITLE	TOTAL	1992-93 BUDGET	PLANNING YEARS				
				1993-94	1994-95	1995-96	1996-97	1997-98
SOURCE OF FUNDS								
	EXISTING APPROVED BONDS	\$20,200,000		\$20,200,000				
	NEW BOND FUNDS - NOT YET AUTHORIZED	\$2,000,000						\$2,000,000
	IMPACT FEES							
	TAXES							
	INTEREST INCOME							
	OTHER							
	TOTAL	\$22,200,000	\$0	\$20,200,000	\$0	\$0	\$0	\$2,000,000
USE OF FUNDS								
	ADDISON/FARMERS BRANCH TUNNEL	\$25,500,000		\$25,500,000				
	ADDISON PERCENTAGE			57.00%				
	ADDISON PORTION OF FUNDING	\$14,535,000		\$14,535,000				
	LINES RELATED TO TUNNEL DIVERSION	\$3,500,000		\$3,500,000				
	DWU FRANCHISE PURCHASE	\$250,000		\$250,000				
	COST OF SWITCHOVER	\$450,000		\$450,000				
	CARROLLTON DIVERSION	\$2,000,000						\$2,000,000
	CONTINGENCIES	\$1,465,000		\$1,465,000				
	TOTAL	\$22,200,000	\$0	\$20,200,000	\$0	\$0	\$0	\$2,000,000

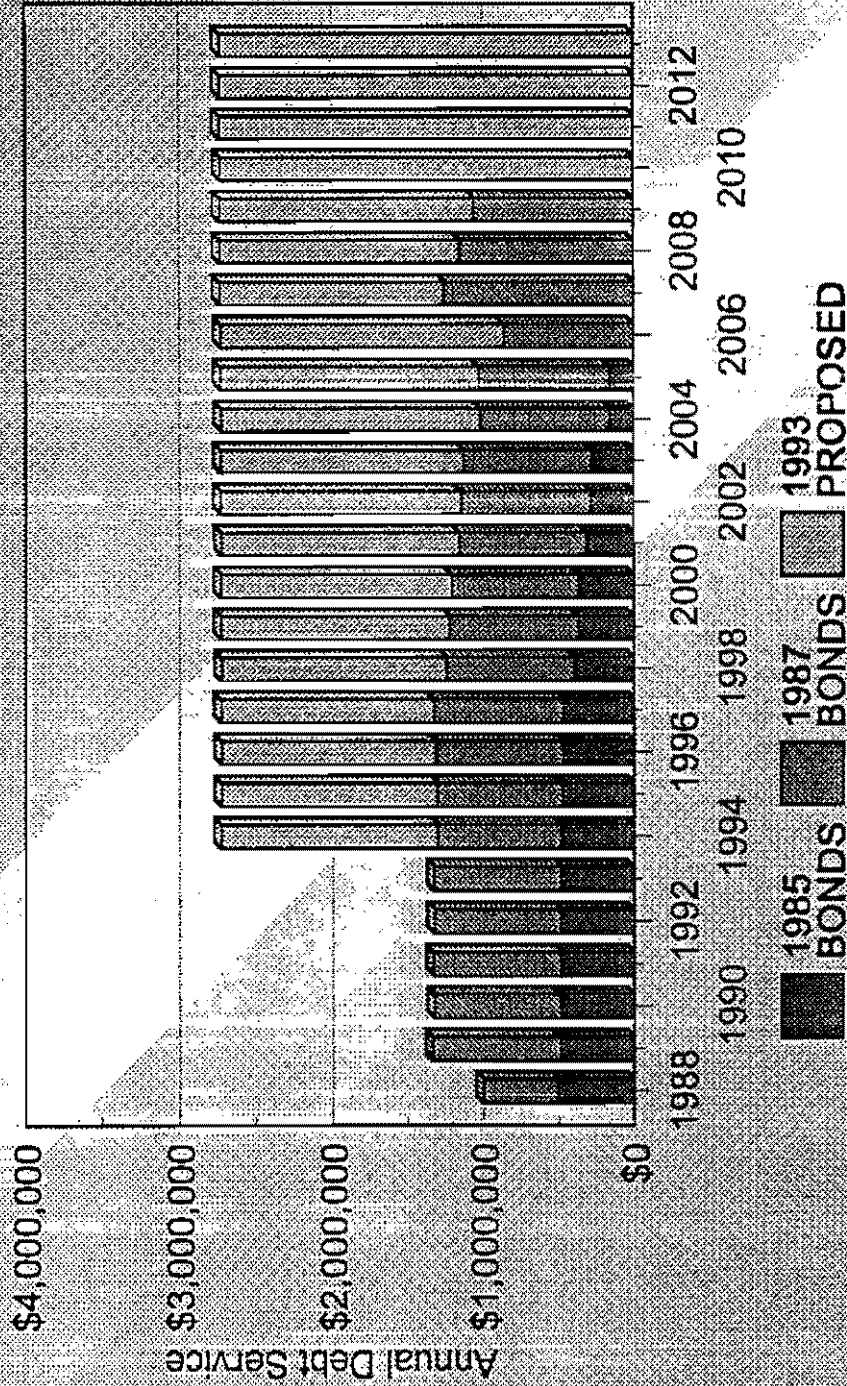
Details of Bond Issues

•••••
Outstanding Issues (1985/1987).

New \$20.2 Million Issue in 1993.

- 20 Year Payout Period.
- Total Level Debt Service Payout.
- Interest Rates average of 5.5%.

Debt Sizing Model - Level Debt Service After 1993 Bonds Are Added To Existing Schedules



**TOWN OF ADDISON
TOTAL OF ALL ISSUES
1985-87 ISSUES OUTSTANDING PLUS POTENTIAL ISSUE IN 1993**

F.Y. 09/30	REMAINING BALANCE	DEBT SERVICE SCHEDULE					GROWTH RATE	% ALLOCATION		\$ ALLOCATION		
		PRINCIPAL	RATE	INT 3/15	INT 9/15	TOTAL		WATER	SEWER	GEN	WATER	SEWER
1984												
1985	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1986	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1987	N/A	\$160,891	N/A	N/A	N/A	\$475,632	N/A	45.00%	55.00%	\$0	\$214,034	\$261,59
1988	N/A	\$413,513	N/A	N/A	N/A	\$998,285	N/A	45.00%	55.00%	\$0	\$449,228	\$549,05
1989	N/A	\$383,138	N/A	N/A	N/A	\$1,335,794	N/A	45.00%	55.00%	\$0	\$601,107	\$734,68
1990	N/A	\$392,737	N/A	N/A	N/A	\$1,320,952	-1.11%	45.00%	55.00%	\$0	\$594,429	\$726,52
1991	N/A	\$428,481	N/A	N/A	N/A	\$1,330,270	0.71%	45.00%	55.00%	\$0	\$598,622	\$731,64
1992	N/A	\$448,832	N/A	N/A	N/A	\$1,320,443	-0.74%	45.00%	55.00%	\$0	\$594,199	\$726,24
1993	N/A	\$486,879	N/A	N/A	N/A	\$1,325,786	0.40%	45.00%	55.00%	\$0	\$596,604	\$729,18
1994	N/A	\$903,775	N/A	N/A	N/A	\$2,724,439	105.50%	22.40%	77.60%	\$0	\$610,370	\$2,114,06
1995	N/A	\$872,590	N/A	N/A	N/A	\$2,724,789	0.01%	22.48%	77.52%	\$0	\$612,556	\$2,112,23
1996	N/A	\$932,933	N/A	N/A	N/A	\$2,724,082	-0.03%	22.60%	77.40%	\$0	\$615,763	\$2,108,31
1997	N/A	\$1,002,117	N/A	N/A	N/A	\$2,727,006	0.11%	22.69%	77.31%	\$0	\$618,679	\$2,108,32
1998	N/A	\$1,071,422	N/A	N/A	N/A	\$2,724,036	-0.11%	21.46%	78.54%	\$0	\$584,700	\$2,139,33
1999	N/A	\$1,150,646	N/A	N/A	N/A	\$2,728,116	0.15%	21.10%	78.90%	\$0	\$575,615	\$2,152,50
2000	N/A	\$1,228,301	N/A	N/A	N/A	\$2,724,901	-0.12%	20.95%	79.05%	\$0	\$570,925	\$2,153,97
2001	N/A	\$1,069,033	N/A	N/A	N/A	\$2,723,487	-0.05%	20.14%	79.86%	\$0	\$548,415	\$2,175,07
2002	N/A	\$1,155,614	N/A	N/A	N/A	\$2,727,572	0.15%	19.84%	80.16%	\$0	\$541,095	\$2,186,47
2003	N/A	\$1,219,539	N/A	N/A	N/A	\$2,725,400	-0.08%	19.61%	80.39%	\$0	\$534,430	\$2,190,97
2004	N/A	\$1,381,626	N/A	N/A	N/A	\$2,723,324	-0.08%	17.92%	82.08%	\$0	\$487,910	\$2,235,41
2005	N/A	\$1,469,003	N/A	N/A	N/A	\$2,726,867	0.13%	17.99%	82.01%	\$0	\$490,618	\$2,236,24
2006	N/A	\$1,700,000	N/A	N/A	N/A	\$2,726,893	0.00%	15.38%	84.62%	\$0	\$419,289	\$2,307,60
2007	N/A	\$1,810,000	N/A	N/A	N/A	\$2,729,593	0.10%	21.61%	78.39%	\$0	\$589,990	\$2,139,60
2008	N/A	\$1,935,000	N/A	N/A	N/A	\$2,730,175	0.02%	20.02%	79.98%	\$0	\$546,451	\$2,183,72
2009	N/A	\$2,065,000	N/A	N/A	N/A	\$2,728,875	-0.05%	18.52%	81.48%	\$0	\$505,513	\$2,223,36
2010	N/A	\$2,200,000	N/A	N/A	N/A	\$2,725,800	-0.11%	1.75%	98.25%	\$0	\$47,702	\$2,678,09
2011	N/A	\$2,325,000	N/A	N/A	N/A	\$2,729,800	0.15%	1.75%	98.25%	\$0	\$47,772	\$2,682,02
2012	N/A	\$2,450,000	N/A	N/A	N/A	\$2,726,925	-0.11%	1.75%	98.25%	\$0	\$47,721	\$2,679,20
2013	N/A	\$2,585,000	N/A	N/A	N/A	\$2,727,175	0.01%	1.75%	98.25%	\$0	\$47,726	\$2,679,44
2014												
2015												
2016												
2017												
2018												
TOTAL		\$52,876,983	N/A	N/A	N/A	\$62,636,418				\$0	\$12,691,463	\$49,944,95

TOWN OF ADDISON
ORIGINAL ISSUE - DATED OCTOBER 1, 1985
GENERAL OBLIGATION REFUNDING AND IMPROVEMENT BONDS, SERIES 1985

F.Y. 09/30	REMAINING BALANCE	DEBT SERVICE SCHEDULE					% ALLOCATION			\$ ALLOCATION			
		PRINCIPAL	RATE	INT 3/15	INT 9/15	TOTAL	GEN	WATER	SEWER	GEN	WATER	SEWER	
1984													
1985						\$0	0.00%	45.00%	55.00%	\$0	\$0	\$0	
1986						\$0	0.00%	45.00%	55.00%	\$0	\$0	\$0	
1987	\$3,926,071	160,891	6.25%	\$157,371	\$157,371	\$475,632	0.00%	45.00%	55.00%	\$0	\$214,034	\$261,598	
1988	\$3,765,180	203,513	6.75%	\$152,343	\$152,343	\$508,199	0.00%	45.00%	55.00%	\$0	\$228,690	\$279,509	
1989	\$3,561,667	198,138	7.20%	\$145,474	\$145,474	\$489,086	0.00%	45.00%	55.00%	\$0	\$220,089	\$268,997	
1990	\$3,363,529	207,737	7.60%	\$138,341	\$138,341	\$484,420	0.00%	45.00%	55.00%	\$0	\$217,989	\$266,431	
1991	\$3,155,792	223,481	8.00%	\$130,447	\$130,447	\$484,375	0.00%	45.00%	55.00%	\$0	\$217,969	\$266,406	
1992	\$2,932,311	243,832	8.20%	\$121,508	\$121,508	\$486,848	0.00%	45.00%	55.00%	\$0	\$219,082	\$267,766	
1993	\$2,688,479	261,879	8.50%	\$111,511	\$111,511	\$484,901	0.00%	45.00%	55.00%	\$0	\$218,206	\$266,696	
1994	\$2,426,600	278,775	8.70%	\$100,381	\$100,381	\$479,537	0.00%	45.00%	55.00%	\$0	\$215,792	\$263,745	
1995	\$2,147,825	297,590	8.90%	\$88,254	\$88,254	\$474,099	0.00%	45.00%	55.00%	\$0	\$213,345	\$260,754	
1996	\$1,850,235	322,933	9.00%	\$75,012	\$75,012	\$472,957	0.00%	45.00%	55.00%	\$0	\$212,830	\$260,126	
1997	\$1,527,301	352,117	9.20%	\$60,480	\$60,480	\$473,076	0.00%	45.00%	55.00%	\$0	\$212,884	\$260,192	
1998	\$1,175,185	306,422	9.25%	\$44,282	\$44,282	\$394,986	0.00%	45.00%	55.00%	\$0	\$177,744	\$217,243	
1999	\$868,763	310,646	9.30%	\$30,110	\$30,110	\$370,866	0.00%	45.00%	55.00%	\$0	\$166,890	\$203,976	
2000	\$558,117	333,301	9.40%	\$15,665	\$15,665	\$364,631	0.00%	45.00%	55.00%	\$0	\$164,084	\$200,547	
2001	\$224,816	69,033			\$245,068	\$314,102	0.00%	45.00%	55.00%	\$0	\$141,346	\$172,756	
2002	\$155,782	55,614			\$225,081	\$280,695	0.00%	45.00%	55.00%	\$0	\$126,313	\$154,382	
2003	\$100,168	49,539			\$228,084	\$277,623	0.00%	45.00%	55.00%	\$0	\$124,930	\$152,693	
2004	\$50,629	26,626			\$137,721	\$164,347	0.00%	45.00%	55.00%	\$0	\$73,956	\$90,391	
2005	\$24,003	24,003			\$139,192	\$163,195	0.00%	45.00%	55.00%	\$0	\$73,438	\$89,757	
2006													
2007													
2008													
2009													
2010													
2011													
2012													
2013													
2014													
2015													
2016													
2017													
2018													
	TOTAL	\$3,926,070			\$1,371,179	\$2,346,325	\$7,643,575				\$0	\$3,439,609	\$4,203,961

TOWN OF ADDISON
ORIGINAL ISSUE - \$9,115,000 DATED DECEMBER 1, 1987
WATERWORKS AND SEWER SYSTEM REFUNDING REVENUE BONDS, SERIES 1987

F.Y. 09/30	REMAINING BALANCE	DEBT SERVICE SCHEDULE					% ALLOCATION			\$ ALLOCATION		
		PRINCIPAL	RATE	INT 3/15	INT 9/15	TOTAL	GEN	WATER	SEWER	GEN	WATER	SEWER
1984												
1985												
1986												
1987												
1988	\$9,115,000	\$210,000	5.00%		\$280,086	\$490,086	0.00%	45.00%	55.00%	\$0	\$220,539	\$269,548
1989	\$8,905,000	\$185,000	5.50%	\$330,854	\$330,854	\$846,708	0.00%	45.00%	55.00%	\$0	\$381,018	\$465,689
1990	\$8,720,000	\$185,000	5.75%	\$325,766	\$325,766	\$836,533	0.00%	45.00%	55.00%	\$0	\$376,440	\$460,093
1991	\$8,535,000	\$205,000	6.00%	\$320,448	\$320,448	\$845,895	0.00%	45.00%	55.00%	\$0	\$380,653	\$465,242
1992	\$8,330,000	\$205,000	6.20%	\$314,298	\$314,298	\$833,595	0.00%	45.00%	55.00%	\$0	\$375,118	\$458,477
1993	\$8,125,000	\$225,000	6.40%	\$307,943	\$307,943	\$840,885	0.00%	45.00%	55.00%	\$0	\$378,398	\$462,487
1994	\$7,900,000	\$220,000	6.60%	\$300,743	\$300,743	\$821,485	0.00%	45.00%	55.00%	\$0	\$369,668	\$451,817
1995	\$7,680,000	\$245,000	6.70%	\$293,483	\$293,483	\$831,965	0.00%	45.00%	55.00%	\$0	\$374,384	\$457,581
1996	\$7,435,000	\$270,000	6.85%	\$285,275	\$285,275	\$840,550	0.00%	45.00%	55.00%	\$0	\$378,248	\$462,303
1997	\$7,165,000	\$295,000	6.90%	\$276,028	\$276,028	\$847,055	0.00%	45.00%	55.00%	\$0	\$381,175	\$465,880
1998	\$6,870,000	\$315,000	7.00%	\$265,850	\$265,850	\$846,700	0.00%	45.00%	55.00%	\$0	\$381,015	\$465,685
1999	\$6,555,000	\$340,000	7.20%	\$254,825	\$254,825	\$849,650	0.00%	45.00%	55.00%	\$0	\$382,343	\$467,308
2000	\$6,215,000	\$360,000	7.35%	\$242,585	\$242,585	\$845,170	0.00%	45.00%	55.00%	\$0	\$380,327	\$464,844
2001	\$5,855,000	\$385,000	7.45%	\$229,355	\$229,355	\$843,710	0.00%	45.00%	55.00%	\$0	\$379,670	\$464,041
2002	\$5,470,000	\$430,000	7.50%	\$215,014	\$215,014	\$860,028	0.00%	45.00%	55.00%	\$0	\$387,012	\$473,016
2003	\$5,040,000	\$450,000	7.60%	\$198,889	\$198,889	\$847,778	0.00%	45.00%	55.00%	\$0	\$381,500	\$466,278
2004	\$4,590,000	\$490,000	7.70%	\$181,789	\$181,789	\$853,578	0.00%	45.00%	55.00%	\$0	\$384,110	\$469,468
2005	\$4,100,000	\$535,000	7.80%	\$162,924	\$162,924	\$860,848	0.00%	45.00%	55.00%	\$0	\$387,381	\$473,467
2006	\$3,565,000	\$575,000	7.90%	\$142,059	\$142,059	\$859,118	0.00%	45.00%	55.00%	\$0	\$386,603	\$472,515
2007	\$2,990,000	\$1,015,000	7.95%	\$119,346	\$119,346	\$1,253,693	0.00%	45.00%	55.00%	\$0	\$564,162	\$689,531
2008	\$1,975,000	\$995,000	8.00%	\$79,000	\$79,000	\$1,153,000	0.00%	45.00%	55.00%	\$0	\$518,850	\$634,150
2009	\$980,000	\$980,000	8.00%	\$39,200	\$39,200	\$1,058,400	0.00%	45.00%	55.00%	\$0	\$476,280	\$582,120
2010												
2011												
2012												
2013												
2014												
2015												
2016												
2017												
2018												
	TOTAL	\$9,115,000		\$4,885,670	\$5,165,756	\$19,166,426				\$0	\$8,624,892	\$10,541,534

**TOWN OF ADDISON
PROPOSED ISSUE - \$20,200,000 DATED 6-01-93
CERTIFICATES OF OBLIGATION BONDS, SERIES 1993**

F.Y. 09/30	REMAINING BALANCE	DEBT SERVICE SCHEDULE					% ALLOCATION			\$ ALLOCATION		
		PRINCIPAL	RATE	INT 11/01	INT 05/01	TOTAL	GEN	WATER	SEWER	GEN	WATER	SEWER
1984												
1985												
1986												
1987												
1988												
1989												
1990												
1991												
1992												
1993	\$20,200,000											
1994	\$19,795,000	\$405,000	5.50%	\$0	\$1,018,417	\$1,423,417	0.00%	1.75%	98.25%	\$0	\$24,910	\$1,398,507
1995	\$19,465,000	\$330,000	5.50%	\$544,363	\$544,363	\$1,418,725	0.00%	1.75%	98.25%	\$0	\$24,828	\$1,393,897
1996	\$19,125,000	\$340,000	5.50%	\$535,288	\$535,288	\$1,410,575	0.00%	1.75%	98.25%	\$0	\$24,685	\$1,385,890
1997	\$18,770,000	\$355,000	5.50%	\$525,938	\$525,938	\$1,406,875	0.00%	1.75%	98.25%	\$0	\$24,620	\$1,382,255
1998	\$18,320,000	\$450,000	5.50%	\$516,175	\$516,175	\$1,482,350	0.00%	1.75%	98.25%	\$0	\$25,941	\$1,456,409
1999	\$17,820,000	\$500,000	5.50%	\$503,800	\$503,800	\$1,507,600	0.00%	1.75%	98.25%	\$0	\$26,383	\$1,481,217
2000	\$17,285,000	\$535,000	5.50%	\$490,050	\$490,050	\$1,515,100	0.00%	1.75%	98.25%	\$0	\$26,514	\$1,488,586
2001	\$16,670,000	\$615,000	5.50%	\$475,338	\$475,338	\$1,565,675	0.00%	1.75%	98.25%	\$0	\$27,399	\$1,538,276
2002	\$16,000,000	\$670,000	5.50%	\$458,425	\$458,425	\$1,586,850	0.00%	1.75%	98.25%	\$0	\$27,770	\$1,559,080
2003	\$15,280,000	\$720,000	5.50%	\$440,000	\$440,000	\$1,600,000	0.00%	1.75%	98.25%	\$0	\$28,000	\$1,572,000
2004	\$14,415,000	\$865,000	5.50%	\$420,200	\$420,200	\$1,705,400	0.00%	1.75%	98.25%	\$0	\$29,845	\$1,675,556
2005	\$13,505,000	\$910,000	5.50%	\$396,413	\$396,413	\$1,702,825	0.00%	1.75%	98.25%	\$0	\$29,799	\$1,673,026
2006	\$12,380,000	\$1,125,000	5.50%	\$371,388	\$371,388	\$1,867,775	0.00%	1.75%	98.25%	\$0	\$32,686	\$1,835,089
2007	\$11,585,000	\$795,000	5.50%	\$340,450	\$340,450	\$1,475,900	0.00%	1.75%	98.25%	\$0	\$25,828	\$1,450,072
2008	\$10,645,000	\$940,000	5.50%	\$318,588	\$318,588	\$1,577,175	0.00%	1.75%	98.25%	\$0	\$27,601	\$1,549,574
2009	\$9,560,000	\$1,085,000	5.50%	\$292,738	\$292,738	\$1,670,475	0.00%	1.75%	98.25%	\$0	\$29,233	\$1,641,242
2010	\$7,360,000	\$2,200,000	5.50%	\$262,900	\$262,900	\$2,725,800	0.00%	1.75%	98.25%	\$0	\$47,702	\$2,678,099
2011	\$5,035,000	\$2,325,000	5.50%	\$202,400	\$202,400	\$2,729,800	0.00%	1.75%	98.25%	\$0	\$47,772	\$2,682,029
2012	\$2,585,000	\$2,450,000	5.50%	\$138,463	\$138,463	\$2,726,925	0.00%	1.75%	98.25%	\$0	\$47,721	\$2,679,204
2013	\$0	\$2,585,000	5.50%	\$71,088	\$71,088	\$2,727,175	0.00%	1.75%	98.25%	\$0	\$47,726	\$2,679,449
2014												
2015												
2016												
2017												
2018												
TOTAL	\$20,200,000			\$7,304,000	\$8,322,417	\$35,826,417				\$0	\$626,962	\$35,199,454

Details of Line Items -

Base Level Expenditures

Personnel Costs.

Supplies.

Maintenance/Materials.

Contractual Services.

Capital Outlay.

**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
ENTERPRISE FUND - DETAILED LINE ITEMS
TOTAL ENTERPRISE FUND**

ACCT	ACCOUNT TITLE	ACTUAL			1992-93 BUDGET	PLANNING YEARS					AAGR 93-98
		1989-90	1990-91	1991-92		1993-94	1994-95	1995-96	1996-97	1997-98	
51110	SALARIES	339,047	337,047	400,418	318,910	303,394	307,945	312,564	317,252	322,011	0.2%
51120	MERIT BONUS		12,242	11,246	20,330	21,347	22,414	23,535	24,711	25,947	5.0%
51130	OVERTIME	17,589	14,221	17,908	19,000	19,285	19,574	19,868	20,166	20,468	1.5%
51140	LONGEVITY PAY	2,920	2,717	3,860	2,500	2,538	2,576	2,614	2,653	2,693	1.5%
51170	VACATION PAYBACK				1,300	1,320	1,339	1,359	1,380	1,400	1.5%
51180	SICK LEAVE BONUS	1,840	4,119	359	1,700	1,726	1,751	1,778	1,804	1,831	1.5%
51190	OUTSIDE LABOR				81,820	84,275	86,803	89,407	92,089	94,852	3.0%
51210	CAR ALLOWANCE	5,400	5,608	5,193	7,200	7,200	7,200	7,200	7,200	7,200	0.0%
51310	TMRS	27,946	31,277	37,605	32,620	33,109	33,606	34,110	34,622	35,141	1.5%
51350	DEFERRED COMPENSATION	11,051	10,384	11,115	11,670	11,845	12,023	12,203	12,386	12,572	1.5%
51410	GROUP HOSPITAL AND LIFE INS	47,410	53,202	43,017	49,200	52,890	56,857	61,121	65,705	70,633	7.5%
51450	MEDICARE	1,940	2,082	2,513	2,270	2,384	2,503	2,628	2,759	2,897	5.0%
51470	WORKERS COMPENSATION	52,650	39,130	47,680	36,440	37,533	38,659	39,819	41,014	42,244	3.0%
	TOTAL PERSONAL SERVICES	507,793	512,029	580,914	584,960	578,843	593,249	608,205	623,742	639,890	1.8%
52010	OFFICE SUPPLIES	4,540	4,969	3,882	5,000	5,250	5,513	5,788	6,078	6,381	5.0%
52070	COMPUTER SOFTWARE	479		2,513	500	525	551	579	608	638	5.0%
52130	TOOLS & EQUIP - SMALL	3,858	4,684	3,401	5,000	5,250	5,513	5,788	6,078	6,381	5.0%
52160	TOOLS & EQUIP - LARGE	914	1,235	708	2,800	2,940	3,087	3,241	3,403	3,574	5.0%
52210	JANITORIAL SUPPLIES	244	310	114	350	368	386	405	425	447	5.0%
52250	MEDICAL & SURGICAL SUPPLIES	169	210	199	350	368	386	405	425	447	5.0%
52310	FUEL & LUBRICANTS	10,216	13,505	11,132	13,200	13,860	14,553	15,281	16,045	16,847	5.0%
52380	CHEMICALS	2,982	5,260	3,398	5,000	5,250	5,513	5,788	6,078	6,381	5.0%
52550	IRRIGATION SYSTEM PARTS			8,227		0	0	0	0	0	N/A
52710	WEARING APPAREL & UNIFORMS	3,114	3,002	2,197	3,000	3,150	3,307	3,473	3,647	3,829	5.0%
52810	FOOD SUPPLIES	718	1,023	13	200	210	220	232	243	255	5.0%
	TOTAL SUPPLIES	27,234	34,198	35,783	35,400	37,170	39,029	40,980	43,029	45,180	5.0%
54150	LANDSCAPE - BUILDINGS	3,697	4,776	4,901	4,000	4,200	4,410	4,631	4,862	5,105	5.0%
54210	STREETS & ALLEYS		251	660	1,000	1,050	1,103	1,158	1,216	1,276	5.0%
54310	UTILITY PLANT - WATER	4,585	54,360	4,530	10,000	10,750	11,556	12,423	13,355	14,356	7.5%
54330	WATER MAINS/FIRE HYDRANTS	4,093	5,161	2,178	6,000	6,300	6,615	6,946	7,293	7,658	5.0%

**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
ENTERPRISE FUND - DETAILED LINE ITEMS
TOTAL ENTERPRISE FUND**

ACCT	ACCOUNT TITLE	ACTUAL			1992-93 BUDGET	PLANNING YEARS					AAGR 93-98
		1989-90	1990-91	1991-92		1993-94	1994-95	1995-96	1996-97	1997-98	
54360	METERS & SERVICE CONNECTIONS	12,773	8,533	5,701	15,000	16,125	17,334	18,634	20,032	21,534	7.5%
54410	UTILITY PLANT - SEWER	16,543	2,591	874	5,000	5,375	5,778	6,211	6,677	7,178	7.5%
54430	SANITARY SEWERS	4,003	5,500	4,275	7,000	7,350	7,717	8,103	8,509	8,934	5.0%
54510	MOTOR VEHICLE MAINTENANCE	10,353	6,491	4,691	7,500	7,688	7,880	8,077	8,279	8,486	2.5%
54530	HEAVY EQUIPMENT MAINTENANCE	2,867	2,758	1,323	5,000	5,150	5,305	5,464	5,628	5,796	3.0%
54610	FURNITURE/FIXTURE MAINTENANCE		5		200	210	220	232	243	255	5.0%
54630	TOOLS & EQUIPMENT MAINTENANCE	4,737	2,453	5,244	6,000	6,300	6,615	6,946	7,293	7,658	5.0%
54650	COMMUNICATIONS MAINTENANCE	482	1,127	404	1,500	1,575	1,654	1,736	1,823	1,914	5.0%
54810	COMPUTER HARDWARE/SOFTWARE	908	914	2,699	1,500	1,575	1,654	1,736	1,823	1,914	5.0%
54910	BUILDINGS MAINTENANCE	372	157	444	1,500	1,575	1,654	1,736	1,823	1,914	5.0%
	TOTAL MATERIAL/MAINTENANCE	65,413	95,077	37,924	71,200	75,223	79,495	84,033	88,855	93,980	5.7%
56040	SPECIAL SERVICES	1,270	1,256	16,692	18,400	19,320	20,286	21,300	22,365	23,484	5.0%
56110	COMMUNICATIONS	14,099	14,516	12,938	14,720	15,456	16,229	17,040	17,892	18,787	5.0%
56130	SECURITY SURVEILLANCE	579	484	484	600	630	662	695	729	766	5.0%
56150	FORENSIC & PHOTO LABS	23	38	93	250	263	276	289	304	319	5.0%
56180	RENTAL	1,928	1,820	1,366	7,000	7,350	7,717	8,103	8,509	8,934	5.0%
56210	TRAVEL & TRAINING	5,474	3,062	3,022	3,000	3,150	3,307	3,473	3,647	3,829	5.0%
56250	DUES	899	705	710	900	945	992	1,042	1,094	1,149	5.0%
56310	INSURANCE			20,331	20,100	21,608	23,228	24,970	26,843	28,856	7.5%
56510	AUDIT & LEGAL SERVICES	5,170		225	4,000	4,200	4,410	4,631	4,862	5,105	5.0%
56530	COURT & LEGAL COSTS		5,207			0	0	0	0	0	N/A
56560	SERVICE FEES			3,662	2,000	2,100	2,205	2,315	2,431	2,553	5.0%
56570	ENGINEERING/ARCHITECTURAL	3,695	81	180	3,000	3,150	3,307	3,473	3,647	3,829	5.0%
56610	UTILITIES - ELECTRICITY	64,372	80,976	84,800	80,000	86,000	92,450	99,384	106,838	114,850	7.5%
56630	UTILITIES - WATER	8,457	6,196	6,992	6,500	6,825	7,166	7,525	7,901	8,296	5.0%
56640	UTILITIES - SEWER	1,174	1,174	1,174	1,200	1,260	1,323	1,389	1,459	1,532	5.0%
56660	UTILITIES - GAS	655	577	442	1,000	1,050	1,103	1,158	1,216	1,276	5.0%
56680	TRASH DISPOSAL	1,109	1,059	1,301	1,500	1,575	1,654	1,736	1,823	1,914	5.0%
	TOTAL CONTRACTUAL SERVICES	108,904	117,151	154,411	164,170	174,881	186,315	198,523	211,558	225,478	6.6%
56330	METERS & SERVICE CONNECTIONS	2,005	4,080	8,864	10,000	10,500	11,288	12,134	13,044	14,022	7.0%

**TOWN OF ADDISON
MULTI-YEAR FINANCIAL OVERVIEW
ENTERPRISE FUND - DETAILED LINE ITEMS
TOTAL ENTERPRISE FUND**

ACCT	ACCOUNT TITLE	ACTUAL			1992-93 BUDGET	PLANNING YEARS					AAGR 93-98
		1989-90	1990-91	1991-92		1993-94	1994-95	1995-96	1996-97	1997-98	
58410	SANITARY SEWERS			0	125,000	125,000	125,000	125,000	125,000	125,000	0.0%
58510	MOTOR VEHICLES	24,467	30,792		62,510	53,834	105,108	0	34,425	168,324	LIST
58810	COMPUTER HARDWARE & S/W		11,780	11,440							N/A
58850	MAJOR TOOLS & EQUIPMENT	7,894	4,539	500	26,000	10,000	10,000	10,000	10,000	10,000	-17.4%
	TOTAL CAPITAL OUTLAY	34,366	51,192	20,804	223,510	199,334	251,396	147,134	182,469	317,347	7.3%
57510	LEASE PAYMENTS	1,626									N/A
	TRANSFER TO GEN FUND	478									N/A
	TRANSFER TO DEBT SERVICE										N/A
	TOTAL OTHER	2,104	0	0	0	0	0	0	0	0	N/A
	TOTAL DEPARTMENT	745,814	809,647	829,837	1,079,240	1,065,451	1,149,483	1,078,875	1,149,653	1,321,875	4.1%

Addison Old and New Rate Comparison

- ▶ Single Family Residential
- ▶ Multi-Family Residential
- ▶ Sprinklers
- ▶ Muncipal/Schools
- ▶ Commercial Large (2" and larger)
- ▶ Commercial Small (Less than 2")
- ▶ Industrial Large (2" and larger)
- ▶ Industrial Small (Less than 2")
- ▶ Hotel/Motel
- ▶ Fire Meter

TOWN OF ADDISON - UTILITY RATE COMPARISON SINGLE FAMILY

GALLONS	WATER				WASTEWATER				TOTAL			
	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%
10,000	\$21.06	\$19.11	(\$1.95)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$46.44	\$58.57	\$12.13	26.12%
15,000	\$29.16	\$26.46	(\$2.70)	-9.26%	\$25.38	\$39.48	\$14.08	55.48%	\$64.54	\$65.92	\$11.38	20.87%
20,000	\$37.26	\$33.81	(\$3.45)	-9.26%	\$25.38	\$39.48	\$14.08	55.48%	\$62.64	\$73.27	\$10.63	16.97%
25,000	\$45.36	\$41.16	(\$4.20)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$70.74	\$80.62	\$9.88	13.97%
30,000	\$53.46	\$48.51	(\$4.95)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$78.84	\$87.97	\$9.13	11.58%
35,000	\$61.56	\$55.86	(\$5.70)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$86.94	\$95.32	\$8.38	9.64%
40,000	\$69.66	\$63.21	(\$6.45)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$95.04	\$102.67	\$7.63	8.03%
45,000	\$77.76	\$70.56	(\$7.20)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$103.14	\$110.02	\$6.88	6.67%
50,000	\$85.86	\$77.91	(\$7.95)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$111.24	\$117.37	\$6.13	5.51%
55,000	\$93.96	\$85.26	(\$8.70)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$119.34	\$124.72	\$5.38	4.51%
60,000	\$102.06	\$92.61	(\$9.45)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$127.44	\$132.07	\$4.63	3.63%
65,000	\$110.16	\$99.96	(\$10.20)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$135.54	\$139.42	\$3.88	2.86%
70,000	\$118.26	\$107.31	(\$10.95)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$143.64	\$146.77	\$3.13	2.18%
75,000	\$126.36	\$114.66	(\$11.70)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$151.74	\$154.12	\$2.38	1.57%
80,000	\$134.46	\$122.01	(\$12.45)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$159.84	\$161.47	\$1.63	1.02%
85,000	\$142.56	\$129.36	(\$13.20)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$167.94	\$168.82	\$0.88	0.52%
90,000	\$150.66	\$136.71	(\$13.95)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$176.04	\$176.17	\$0.13	0.07%
95,000	\$158.76	\$144.06	(\$14.70)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$184.14	\$183.52	(\$0.62)	-0.34%
100,000	\$166.86	\$151.41	(\$15.45)	-9.26%	\$25.38	\$39.48	\$14.08	55.48%	\$192.24	\$190.87	(\$1.37)	-0.71%
200,000	\$328.86	\$298.41	(\$30.45)	-9.26%	\$25.38	\$39.48	\$14.08	55.48%	\$354.24	\$337.87	(\$16.37)	-4.62%
300,000	\$490.86	\$445.41	(\$45.45)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$516.24	\$484.87	(\$31.37)	-6.08%
400,000	\$652.86	\$592.41	(\$60.45)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$678.24	\$631.87	(\$46.37)	-6.84%
500,000	\$814.86	\$739.41	(\$75.45)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$840.24	\$778.87	(\$61.37)	-7.30%
600,000	\$976.88	\$886.41	(\$90.45)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$1,002.24	\$925.87	(\$76.37)	-7.62%
700,000	\$1,138.86	\$1,033.41	(\$105.45)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$1,164.24	\$1,072.87	(\$91.37)	-7.85%
800,000	\$1,300.86	\$1,180.41	(\$120.45)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$1,326.24	\$1,219.87	(\$106.37)	-8.02%
900,000	\$1,462.86	\$1,327.41	(\$135.45)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$1,488.24	\$1,366.87	(\$121.37)	-8.16%
1,000,000	\$1,624.86	\$1,474.41	(\$150.45)	-9.26%	\$25.38	\$39.46	\$14.08	55.48%	\$1,650.24	\$1,513.87	(\$136.37)	-8.26%

MINIMUM GALLONS = 2,000
MAXIMUM GALLONS = 10,000

TOWN OF ADDISON - UTILITY RATE COMPARISON MULTI-FAMILY RESIDENTIAL

	WATER				WASTEWATER				TOTAL			
	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%
10,000	\$48.95	\$44.35	(\$4.60)	-9.40%	\$37.10	\$57.65	\$20.55	55.39%	\$86.05	\$102.00	\$15.95	18.54%
15,000	\$48.95	\$44.35	(\$4.60)	-9.40%	\$37.10	\$57.65	\$20.55	55.39%	\$86.05	\$102.00	\$15.95	18.54%
20,000	\$57.05	\$51.70	(\$5.35)	-9.38%	\$48.90	\$78.00	\$27.10	55.42%	\$105.95	\$127.70	\$21.75	20.53%
25,000	\$65.15	\$59.05	(\$6.10)	-9.36%	\$60.70	\$94.35	\$33.65	55.44%	\$125.85	\$153.40	\$27.55	21.89%
30,000	\$73.25	\$66.40	(\$6.85)	-9.35%	\$72.50	\$112.70	\$40.20	55.45%	\$145.75	\$179.10	\$33.35	22.88%
35,000	\$81.35	\$73.75	(\$7.60)	-9.34%	\$84.30	\$131.05	\$46.75	55.46%	\$165.65	\$204.80	\$39.15	23.63%
40,000	\$89.45	\$81.10	(\$8.35)	-9.33%	\$96.10	\$149.40	\$53.30	55.46%	\$185.55	\$230.50	\$44.95	24.23%
45,000	\$97.55	\$88.45	(\$9.10)	-9.33%	\$107.90	\$167.75	\$59.85	55.47%	\$205.45	\$256.20	\$50.75	24.70%
50,000	\$105.65	\$95.80	(\$9.85)	-9.32%	\$119.70	\$186.10	\$66.40	55.47%	\$225.35	\$281.90	\$56.55	25.09%
55,000	\$113.75	\$103.15	(\$10.60)	-9.32%	\$131.50	\$204.45	\$72.95	55.48%	\$245.25	\$307.60	\$62.35	25.42%
60,000	\$121.85	\$110.50	(\$11.35)	-9.31%	\$143.30	\$222.80	\$79.50	55.48%	\$265.15	\$333.30	\$68.15	25.70%
65,000	\$129.95	\$117.85	(\$12.10)	-9.31%	\$155.10	\$241.15	\$86.05	55.48%	\$285.05	\$359.00	\$73.95	25.94%
70,000	\$138.05	\$125.20	(\$12.85)	-9.31%	\$166.90	\$259.50	\$92.60	55.48%	\$304.95	\$384.70	\$79.75	26.15%
75,000	\$146.15	\$132.55	(\$13.60)	-9.31%	\$178.70	\$277.85	\$99.15	55.48%	\$324.85	\$410.40	\$85.55	26.34%
80,000	\$154.25	\$139.90	(\$14.35)	-9.30%	\$190.50	\$296.20	\$105.70	55.49%	\$344.75	\$436.10	\$91.35	26.50%
85,000	\$162.35	\$147.25	(\$15.10)	-9.30%	\$202.30	\$314.55	\$112.25	55.49%	\$364.65	\$461.80	\$97.15	26.64%
90,000	\$170.45	\$154.60	(\$15.85)	-9.30%	\$214.10	\$332.90	\$118.80	55.49%	\$384.55	\$487.50	\$102.95	26.77%
95,000	\$178.55	\$161.95	(\$16.60)	-9.30%	\$225.90	\$351.25	\$125.35	55.49%	\$404.45	\$513.20	\$108.75	26.89%
100,000	\$186.65	\$169.30	(\$17.35)	-9.30%	\$237.70	\$369.60	\$131.90	55.49%	\$424.35	\$538.90	\$114.55	26.99%
200,000	\$348.65	\$316.30	(\$32.35)	-9.28%	\$473.70	\$738.60	\$262.90	55.50%	\$822.35	\$1,052.90	\$230.55	28.04%
300,000	\$510.65	\$463.30	(\$47.35)	-9.27%	\$709.70	\$1,103.60	\$393.90	55.50%	\$1,220.35	\$1,566.90	\$346.55	28.40%
400,000	\$672.65	\$610.30	(\$62.35)	-9.27%	\$945.70	\$1,470.60	\$524.90	55.50%	\$1,618.35	\$2,080.90	\$462.55	28.58%
500,000	\$834.65	\$757.30	(\$77.35)	-9.27%	\$1,181.70	\$1,837.60	\$655.90	55.50%	\$2,016.35	\$2,594.90	\$578.55	28.69%
600,000	\$996.65	\$904.30	(\$92.35)	-9.27%	\$1,417.70	\$2,204.60	\$786.90	55.51%	\$2,414.35	\$3,108.90	\$694.55	28.77%
700,000	\$1,158.65	\$1,051.30	(\$107.35)	-9.27%	\$1,653.70	\$2,571.60	\$917.90	55.51%	\$2,812.35	\$3,622.90	\$810.55	28.82%
800,000	\$1,320.65	\$1,198.30	(\$122.35)	-9.26%	\$1,889.70	\$2,938.60	\$1,048.90	55.51%	\$3,210.35	\$4,136.90	\$926.55	28.86%
900,000	\$1,482.65	\$1,345.30	(\$137.35)	-9.26%	\$2,125.70	\$3,305.60	\$1,179.90	55.51%	\$3,608.35	\$4,650.90	\$1,042.55	28.89%
1,000,000	\$1,644.65	\$1,492.30	(\$152.35)	-9.26%	\$2,361.70	\$3,672.60	\$1,310.90	55.51%	\$4,006.35	\$5,164.90	\$1,158.55	28.92%

MINIMUM GALLONS = 15,000
MAXIMUM GALLONS = NONE

TOWN OF ADDISON - UTILITY RATE COMPARISON SPRINKLER METERS

GALLONS	WATER				WASTEWATER				TOTAL			
	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%
10,000	\$48.95	\$44.95	(\$4.00)	-8.17%	N/A	N/A	N/A	N/A	\$48.95	\$44.95	(\$4.00)	-8.17%
15,000	\$48.95	\$44.95	(\$4.00)	-8.17%	N/A	N/A	N/A	N/A	\$48.95	\$44.95	(\$4.00)	-8.17%
20,000	\$57.05	\$52.30	(\$4.75)	-8.33%	N/A	N/A	N/A	N/A	\$57.05	\$52.30	(\$4.75)	-8.33%
25,000	\$65.15	\$59.65	(\$5.50)	-8.44%	N/A	N/A	N/A	N/A	\$65.15	\$59.65	(\$5.50)	-8.44%
30,000	\$73.25	\$67.00	(\$6.25)	-8.53%	N/A	N/A	N/A	N/A	\$73.25	\$67.00	(\$6.25)	-8.53%
35,000	\$81.35	\$74.35	(\$7.00)	-8.60%	N/A	N/A	N/A	N/A	\$81.35	\$74.35	(\$7.00)	-8.60%
40,000	\$89.45	\$81.70	(\$7.75)	-8.66%	N/A	N/A	N/A	N/A	\$89.45	\$81.70	(\$7.75)	-8.66%
45,000	\$97.55	\$89.05	(\$8.50)	-8.71%	N/A	N/A	N/A	N/A	\$97.55	\$89.05	(\$8.50)	-8.71%
50,000	\$105.65	\$96.40	(\$9.25)	-8.76%	N/A	N/A	N/A	N/A	\$105.65	\$96.40	(\$9.25)	-8.76%
55,000	\$113.75	\$103.75	(\$10.00)	-8.79%	N/A	N/A	N/A	N/A	\$113.75	\$103.75	(\$10.00)	-8.79%
60,000	\$121.85	\$111.10	(\$10.75)	-8.82%	N/A	N/A	N/A	N/A	\$121.85	\$111.10	(\$10.75)	-8.82%
65,000	\$129.95	\$118.45	(\$11.50)	-8.85%	N/A	N/A	N/A	N/A	\$129.95	\$118.45	(\$11.50)	-8.85%
70,000	\$138.05	\$125.80	(\$12.25)	-8.87%	N/A	N/A	N/A	N/A	\$138.05	\$125.80	(\$12.25)	-8.87%
75,000	\$146.15	\$133.15	(\$13.00)	-8.89%	N/A	N/A	N/A	N/A	\$146.15	\$133.15	(\$13.00)	-8.89%
80,000	\$154.25	\$140.50	(\$13.75)	-8.91%	N/A	N/A	N/A	N/A	\$154.25	\$140.50	(\$13.75)	-8.91%
85,000	\$162.35	\$147.85	(\$14.50)	-8.93%	N/A	N/A	N/A	N/A	\$162.35	\$147.85	(\$14.50)	-8.93%
90,000	\$170.45	\$155.20	(\$15.25)	-8.95%	N/A	N/A	N/A	N/A	\$170.45	\$155.20	(\$15.25)	-8.95%
95,000	\$178.55	\$162.55	(\$16.00)	-8.96%	N/A	N/A	N/A	N/A	\$178.55	\$162.55	(\$16.00)	-8.96%
100,000	\$186.65	\$169.90	(\$16.75)	-8.97%	N/A	N/A	N/A	N/A	\$186.65	\$169.90	(\$16.75)	-8.97%
200,000	\$348.65	\$316.90	(\$31.75)	-9.11%	N/A	N/A	N/A	N/A	\$348.65	\$316.90	(\$31.75)	-9.11%
300,000	\$510.65	\$463.90	(\$46.75)	-9.15%	N/A	N/A	N/A	N/A	\$510.65	\$463.90	(\$46.75)	-9.15%
400,000	\$672.65	\$610.90	(\$61.75)	-9.18%	N/A	N/A	N/A	N/A	\$672.65	\$610.90	(\$61.75)	-9.18%
500,000	\$834.65	\$757.90	(\$76.75)	-9.20%	N/A	N/A	N/A	N/A	\$834.65	\$757.90	(\$76.75)	-9.20%
600,000	\$996.65	\$904.90	(\$91.75)	-9.21%	N/A	N/A	N/A	N/A	\$996.65	\$904.90	(\$91.75)	-9.21%
700,000	\$1,158.65	\$1,051.90	(\$106.75)	-9.21%	N/A	N/A	N/A	N/A	\$1,158.65	\$1,051.90	(\$106.75)	-9.21%
800,000	\$1,320.65	\$1,198.90	(\$121.75)	-9.22%	N/A	N/A	N/A	N/A	\$1,320.65	\$1,198.90	(\$121.75)	-9.22%
900,000	\$1,482.65	\$1,345.90	(\$136.75)	-9.22%	N/A	N/A	N/A	N/A	\$1,482.65	\$1,345.90	(\$136.75)	-9.22%
1,000,000	\$1,644.65	\$1,492.90	(\$151.75)	-9.23%	N/A	N/A	N/A	N/A	\$1,644.65	\$1,492.90	(\$151.75)	-9.23%

NO WASTEWATER BILLED

TOWN OF ADDISON - UTILITY RATE COMPARISON MUNICIPAL/SCHOOLS

GALLONS	WATER				WASTEWATER				TOTAL			
	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%
10,000	\$64.50	\$58.40	(\$6.10)	-9.46%	\$48.90	\$76.00	\$27.10	55.42%	\$113.40	\$134.40	\$21.00	18.52%
15,000	\$64.50	\$58.40	(\$6.10)	-9.46%	\$48.90	\$76.00	\$27.10	55.42%	\$113.40	\$134.40	\$21.00	18.52%
20,000	\$64.50	\$58.40	(\$6.10)	-9.46%	\$48.90	\$76.00	\$27.10	55.42%	\$113.40	\$134.40	\$21.00	18.52%
25,000	\$72.60	\$65.75	(\$6.85)	-9.44%	\$60.70	\$94.35	\$33.65	55.44%	\$133.30	\$160.10	\$26.80	20.11%
30,000	\$80.70	\$73.10	(\$7.60)	-9.42%	\$72.50	\$112.70	\$40.20	55.45%	\$153.20	\$185.80	\$32.60	21.28%
35,000	\$88.80	\$80.45	(\$8.35)	-9.40%	\$84.30	\$131.05	\$46.75	55.46%	\$173.10	\$211.50	\$38.40	22.18%
40,000	\$96.90	\$87.80	(\$9.10)	-9.39%	\$96.10	\$149.40	\$53.30	55.46%	\$193.00	\$237.20	\$44.20	22.90%
45,000	\$105.00	\$95.15	(\$9.85)	-9.38%	\$107.90	\$167.75	\$59.85	55.47%	\$212.90	\$262.90	\$50.00	23.49%
50,000	\$113.10	\$102.50	(\$10.60)	-9.37%	\$119.70	\$186.10	\$66.40	55.47%	\$232.80	\$288.60	\$55.80	23.97%
55,000	\$121.20	\$109.85	(\$11.35)	-9.36%	\$131.50	\$204.45	\$72.95	55.48%	\$252.70	\$314.30	\$61.60	24.38%
60,000	\$129.30	\$117.20	(\$12.10)	-9.36%	\$143.30	\$222.80	\$79.50	55.48%	\$272.60	\$340.00	\$67.40	24.72%
65,000	\$137.40	\$124.55	(\$12.85)	-9.35%	\$155.10	\$241.15	\$86.05	55.48%	\$292.50	\$365.70	\$73.20	25.03%
70,000	\$145.50	\$131.90	(\$13.60)	-9.35%	\$166.90	\$259.50	\$92.60	55.48%	\$312.40	\$391.40	\$79.00	25.29%
75,000	\$153.60	\$139.25	(\$14.35)	-9.34%	\$178.70	\$277.85	\$99.15	55.48%	\$332.30	\$417.10	\$84.80	25.52%
80,000	\$161.70	\$146.60	(\$15.10)	-9.34%	\$190.50	\$296.20	\$105.70	55.49%	\$352.20	\$442.80	\$90.60	25.72%
85,000	\$169.80	\$153.95	(\$15.85)	-9.33%	\$202.30	\$314.55	\$112.25	55.49%	\$372.10	\$468.50	\$96.40	25.91%
90,000	\$177.90	\$161.30	(\$16.60)	-9.33%	\$214.10	\$332.90	\$118.80	55.49%	\$392.00	\$494.20	\$102.20	26.07%
95,000	\$186.00	\$168.65	(\$17.35)	-9.33%	\$225.90	\$351.25	\$125.35	55.49%	\$411.90	\$519.90	\$108.00	26.22%
100,000	\$194.10	\$176.00	(\$18.10)	-9.33%	\$237.70	\$369.60	\$131.90	55.49%	\$431.80	\$545.60	\$113.80	26.35%
200,000	\$358.10	\$323.00	(\$33.10)	-9.30%	\$473.70	\$736.60	\$262.90	55.50%	\$829.80	\$1,059.60	\$229.80	27.69%
300,000	\$518.10	\$470.00	(\$48.10)	-9.28%	\$709.70	\$1,103.60	\$393.90	55.50%	\$1,227.80	\$1,573.60	\$345.80	28.16%
400,000	\$680.10	\$617.00	(\$63.10)	-9.28%	\$945.70	\$1,470.60	\$524.90	55.50%	\$1,625.80	\$2,087.60	\$461.80	28.40%
500,000	\$842.10	\$764.00	(\$78.10)	-9.27%	\$1,181.70	\$1,837.60	\$655.90	55.50%	\$2,023.80	\$2,601.60	\$577.80	28.55%
600,000	\$1,004.10	\$911.00	(\$93.10)	-9.27%	\$1,417.70	\$2,204.60	\$786.90	55.51%	\$2,421.80	\$3,115.60	\$693.80	28.65%
700,000	\$1,166.10	\$1,058.00	(\$108.10)	-9.27%	\$1,653.70	\$2,571.60	\$917.90	55.51%	\$2,819.80	\$3,629.60	\$809.80	28.72%
800,000	\$1,328.10	\$1,205.00	(\$123.10)	-9.27%	\$1,889.70	\$2,938.60	\$1,048.90	55.51%	\$3,217.80	\$4,143.60	\$925.80	28.77%
900,000	\$1,490.10	\$1,352.00	(\$138.10)	-9.27%	\$2,125.70	\$3,305.60	\$1,179.90	55.51%	\$3,615.80	\$4,657.60	\$1,041.80	28.81%
1,000,000	\$1,652.10	\$1,499.00	(\$153.10)	-9.27%	\$2,361.70	\$3,672.60	\$1,310.90	55.51%	\$4,013.80	\$5,171.60	\$1,157.80	28.85%

MINIMUM GALLONS = 20,000
MAXIMUM GALLONS = NONE

**TOWN OF ADDISON - UTILITY RATE COMPARISON
COMMERICAL - LARGE (2" AND OVER)**

GALLONS	WATER				WASTEWATER				TOTAL			
	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%
10,000	\$118.55	\$107.35	(\$11.20)	-9.45%	\$88.90	\$138.15	\$49.25	55.40%	\$207.45	\$245.50	\$38.05	18.34%
15,000	\$118.55	\$107.35	(\$11.20)	-9.45%	\$88.90	\$138.15	\$49.25	55.40%	\$207.45	\$245.50	\$38.05	18.34%
20,000	\$118.55	\$107.35	(\$11.20)	-9.45%	\$88.90	\$138.15	\$49.25	55.40%	\$207.45	\$245.50	\$38.05	18.34%
25,000	\$118.55	\$107.35	(\$11.20)	-9.45%	\$88.90	\$138.15	\$49.25	55.40%	\$207.45	\$245.50	\$38.05	18.34%
30,000	\$118.55	\$107.35	(\$11.20)	-9.45%	\$88.90	\$138.15	\$49.25	55.40%	\$207.45	\$245.50	\$38.05	18.34%
35,000	\$118.55	\$107.35	(\$11.20)	-9.45%	\$88.90	\$138.15	\$49.25	55.40%	\$207.45	\$245.50	\$38.05	18.34%
40,000	\$123.41	\$111.76	(\$11.65)	-9.44%	\$95.98	\$149.16	\$53.18	55.41%	\$219.39	\$260.92	\$41.53	18.93%
45,000	\$131.51	\$119.11	(\$12.40)	-9.43%	\$107.78	\$167.51	\$59.73	55.42%	\$239.29	\$286.62	\$47.33	19.78%
50,000	\$139.61	\$126.46	(\$13.15)	-9.42%	\$119.58	\$185.86	\$66.28	55.43%	\$259.19	\$312.32	\$53.13	20.50%
55,000	\$147.71	\$133.81	(\$13.90)	-9.41%	\$131.38	\$204.21	\$72.83	55.43%	\$279.09	\$338.02	\$58.93	21.12%
60,000	\$155.81	\$141.16	(\$14.65)	-9.40%	\$143.18	\$222.56	\$79.38	55.44%	\$298.99	\$363.72	\$64.73	21.65%
65,000	\$163.91	\$148.51	(\$15.40)	-9.40%	\$154.98	\$240.91	\$85.93	55.45%	\$318.89	\$389.42	\$70.53	22.12%
70,000	\$172.01	\$155.86	(\$16.15)	-9.39%	\$166.78	\$259.26	\$92.48	55.45%	\$338.79	\$415.12	\$76.33	22.53%
75,000	\$180.11	\$163.21	(\$16.90)	-9.38%	\$178.58	\$277.61	\$99.03	55.45%	\$358.69	\$440.82	\$82.13	22.90%
80,000	\$188.21	\$170.56	(\$17.65)	-9.38%	\$190.38	\$295.96	\$105.58	55.46%	\$378.59	\$466.52	\$87.93	23.23%
85,000	\$196.31	\$177.91	(\$18.40)	-9.37%	\$202.18	\$314.31	\$112.13	55.46%	\$398.49	\$492.22	\$93.73	23.52%
90,000	\$204.41	\$185.26	(\$19.15)	-9.37%	\$213.98	\$332.66	\$118.68	55.46%	\$418.39	\$517.92	\$99.53	23.79%
95,000	\$212.51	\$192.61	(\$19.90)	-9.36%	\$225.78	\$351.01	\$125.23	55.47%	\$438.29	\$543.62	\$105.33	24.03%
100,000	\$220.61	\$199.96	(\$20.65)	-9.36%	\$237.58	\$369.36	\$131.78	55.47%	\$458.19	\$569.32	\$111.13	24.25%
200,000	\$382.61	\$346.96	(\$35.65)	-9.32%	\$473.58	\$736.36	\$262.78	55.49%	\$856.19	\$1,083.32	\$227.13	26.53%
300,000	\$544.61	\$493.96	(\$50.65)	-9.30%	\$709.58	\$1,103.36	\$393.78	55.49%	\$1,254.19	\$1,597.32	\$343.13	27.36%
400,000	\$706.61	\$640.96	(\$65.65)	-9.29%	\$945.58	\$1,470.36	\$524.78	55.50%	\$1,652.19	\$2,111.32	\$459.13	27.79%
500,000	\$868.61	\$787.96	(\$80.65)	-9.28%	\$1,181.58	\$1,837.36	\$655.78	55.50%	\$2,050.19	\$2,625.32	\$575.13	28.05%
600,000	\$1,030.61	\$934.96	(\$95.65)	-9.28%	\$1,417.58	\$2,204.36	\$786.78	55.50%	\$2,448.19	\$3,139.32	\$691.13	28.23%
700,000	\$1,192.61	\$1,081.96	(\$110.65)	-9.28%	\$1,653.58	\$2,571.36	\$917.78	55.50%	\$2,846.19	\$3,653.32	\$807.13	28.36%
800,000	\$1,354.61	\$1,228.96	(\$125.65)	-9.28%	\$1,889.58	\$2,938.36	\$1,048.78	55.50%	\$3,244.19	\$4,167.32	\$923.13	28.45%
900,000	\$1,516.61	\$1,375.96	(\$140.65)	-9.27%	\$2,125.58	\$3,305.36	\$1,179.78	55.50%	\$3,642.19	\$4,681.32	\$1,039.13	28.53%
1,000,000	\$1,678.61	\$1,522.96	(\$155.65)	-9.27%	\$2,361.58	\$3,672.36	\$1,310.78	55.50%	\$4,040.19	\$5,195.32	\$1,155.13	28.59%

MINIMUM GALLONS = 37,000
MAXIMUM GALLONS = NONE

**TOWN OF ADDISON - UTILITY RATE COMPARISON
COMMERCIAL SMALL (LESS THAN 2")**

GALLONS	WATER				WASTEWATER				TOTAL			
	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%
10,000	\$22.84	\$20.89	(\$2.15)	-9.41%	\$25.02	\$38.89	\$13.87	55.44%	\$47.86	\$59.58	\$11.72	24.49%
15,000	\$30.94	\$28.04	(\$2.90)	-9.37%	\$36.82	\$57.24	\$20.42	55.46%	\$67.78	\$85.28	\$17.52	25.86%
20,000	\$39.04	\$35.39	(\$3.65)	-9.35%	\$48.62	\$75.59	\$26.97	55.47%	\$87.66	\$110.98	\$23.32	26.60%
25,000	\$47.14	\$42.74	(\$4.40)	-9.33%	\$60.42	\$93.94	\$33.52	55.48%	\$107.58	\$138.88	\$29.12	27.07%
30,000	\$55.24	\$50.09	(\$5.15)	-9.32%	\$72.22	\$112.29	\$40.07	55.48%	\$127.46	\$162.38	\$34.92	27.40%
35,000	\$63.34	\$57.44	(\$5.90)	-9.31%	\$84.02	\$130.64	\$46.62	55.49%	\$147.36	\$188.08	\$40.72	27.63%
40,000	\$71.44	\$64.79	(\$6.65)	-9.31%	\$95.82	\$148.99	\$53.17	55.49%	\$167.28	\$213.78	\$46.52	27.81%
45,000	\$79.54	\$72.14	(\$7.40)	-9.30%	\$107.62	\$167.34	\$59.72	55.49%	\$187.16	\$239.48	\$52.32	27.95%
50,000	\$87.64	\$79.49	(\$8.15)	-9.30%	\$119.42	\$185.69	\$66.27	55.49%	\$207.06	\$265.18	\$58.12	28.07%
55,000	\$95.74	\$86.84	(\$8.90)	-9.30%	\$131.22	\$204.04	\$72.82	55.49%	\$226.98	\$290.88	\$63.92	28.16%
60,000	\$103.84	\$94.19	(\$9.65)	-9.29%	\$143.02	\$222.39	\$79.37	55.50%	\$246.86	\$316.58	\$69.72	28.24%
65,000	\$111.94	\$101.54	(\$10.40)	-9.29%	\$154.82	\$240.74	\$85.92	55.50%	\$266.76	\$342.28	\$75.52	28.31%
70,000	\$120.04	\$108.89	(\$11.15)	-9.29%	\$166.62	\$259.09	\$92.47	55.50%	\$286.66	\$367.98	\$81.32	28.37%
75,000	\$128.14	\$116.24	(\$11.90)	-9.29%	\$178.42	\$277.44	\$99.02	55.50%	\$306.56	\$393.68	\$87.12	28.42%
80,000	\$136.24	\$123.59	(\$12.65)	-9.29%	\$190.22	\$295.79	\$105.57	55.50%	\$326.46	\$419.38	\$92.92	28.46%
85,000	\$144.34	\$130.94	(\$13.40)	-9.28%	\$202.02	\$314.14	\$112.12	55.50%	\$346.36	\$445.08	\$98.72	28.50%
90,000	\$152.44	\$138.29	(\$14.15)	-9.28%	\$213.82	\$332.49	\$118.67	55.50%	\$368.26	\$470.78	\$104.52	28.54%
95,000	\$160.54	\$145.64	(\$14.90)	-9.28%	\$225.62	\$350.84	\$125.22	55.50%	\$386.16	\$496.48	\$110.32	28.57%
100,000	\$168.64	\$152.99	(\$15.65)	-9.28%	\$237.42	\$369.19	\$131.77	55.50%	\$406.08	\$522.18	\$116.12	28.60%
200,000	\$330.64	\$299.99	(\$30.65)	-9.27%	\$473.42	\$736.19	\$262.77	55.50%	\$804.06	\$1,036.18	\$232.12	28.87%
300,000	\$492.64	\$446.99	(\$45.65)	-9.27%	\$709.42	\$1,103.19	\$393.77	55.51%	\$1,202.06	\$1,550.18	\$348.12	28.96%
400,000	\$654.64	\$593.99	(\$60.65)	-9.26%	\$945.42	\$1,470.19	\$524.77	55.51%	\$1,600.06	\$2,064.18	\$464.12	29.01%
500,000	\$816.64	\$740.99	(\$75.65)	-9.26%	\$1,181.42	\$1,837.19	\$655.77	55.51%	\$1,998.06	\$2,578.18	\$580.12	29.03%
600,000	\$978.64	\$687.99	(\$90.65)	-9.26%	\$1,417.42	\$2,204.19	\$786.77	55.51%	\$2,396.06	\$3,092.18	\$696.12	29.05%
700,000	\$1,140.64	\$1,034.99	(\$105.65)	-9.26%	\$1,653.42	\$2,571.19	\$917.77	55.51%	\$2,794.06	\$3,606.18	\$812.12	29.07%
800,000	\$1,302.64	\$1,181.99	(\$120.65)	-9.26%	\$1,889.42	\$2,938.19	\$1,048.77	55.51%	\$3,192.06	\$4,120.18	\$928.12	29.08%
900,000	\$1,464.64	\$1,328.99	(\$135.65)	-9.26%	\$2,125.42	\$3,305.19	\$1,179.77	55.51%	\$3,590.06	\$4,634.18	\$1,044.12	29.08%
1,000,000	\$1,826.64	\$1,475.99	(\$150.65)	-9.26%	\$2,361.42	\$3,872.19	\$1,310.77	55.51%	\$3,988.06	\$5,148.18	\$1,160.12	29.09%

MINIMUM GALLONS = 3,000
MAXIMUM GALLONS = NONE

TOWN OF ADDISON - UTILITY RATE COMPARISON INDUSTRIAL LARGE (2" AND LARGER)

GALLONS	WATER				WASTEWATER				TOTAL			
	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%
10,000	\$259.45	\$235.95	(\$23.50)	-9.08%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
15,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
20,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
25,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
30,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
35,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
40,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
45,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
50,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
55,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
60,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
65,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
70,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
75,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
80,000	\$259.45	\$235.95	(\$23.50)	-9.06%	\$190.20	\$295.55	\$105.35	55.39%	\$449.65	\$531.50	\$81.85	18.20%
85,000	\$267.55	\$243.30	(\$24.25)	-9.06%	\$202.00	\$313.90	\$111.90	55.40%	\$469.55	\$557.20	\$87.65	18.67%
90,000	\$275.65	\$250.65	(\$25.00)	-9.07%	\$213.80	\$332.25	\$118.45	55.40%	\$489.45	\$582.90	\$93.45	19.09%
95,000	\$283.75	\$258.00	(\$25.75)	-9.07%	\$225.60	\$350.60	\$125.00	55.41%	\$509.35	\$608.60	\$99.25	19.49%
100,000	\$291.85	\$265.35	(\$26.50)	-9.08%	\$237.40	\$368.95	\$131.55	55.41%	\$529.25	\$634.30	\$105.05	19.85%
200,000	\$453.85	\$412.35	(\$41.50)	-9.14%	\$473.40	\$735.95	\$262.55	55.46%	\$927.25	\$1,148.30	\$221.05	23.84%
300,000	\$615.85	\$559.35	(\$56.50)	-9.17%	\$709.40	\$1,102.95	\$393.55	55.48%	\$1,325.25	\$1,662.30	\$337.05	25.43%
400,000	\$777.85	\$706.35	(\$71.50)	-9.19%	\$945.40	\$1,469.95	\$524.55	55.48%	\$1,723.25	\$2,176.30	\$453.05	26.29%
500,000	\$939.85	\$853.35	(\$86.50)	-9.20%	\$1,181.40	\$1,838.95	\$655.55	55.49%	\$2,121.25	\$2,690.30	\$569.05	26.83%
600,000	\$1,101.85	\$1,000.35	(\$101.50)	-9.21%	\$1,417.40	\$2,203.95	\$786.55	55.49%	\$2,519.25	\$3,204.30	\$685.05	27.19%
700,000	\$1,263.85	\$1,147.35	(\$116.50)	-9.22%	\$1,653.40	\$2,570.95	\$917.55	55.49%	\$2,917.25	\$3,718.30	\$801.05	27.46%
800,000	\$1,425.85	\$1,294.35	(\$131.50)	-9.22%	\$1,889.40	\$2,937.95	\$1,048.55	55.50%	\$3,315.25	\$4,232.30	\$917.05	27.66%
900,000	\$1,587.85	\$1,441.35	(\$146.50)	-9.23%	\$2,125.40	\$3,304.95	\$1,179.55	55.50%	\$3,713.25	\$4,746.30	\$1,033.05	27.82%
1,000,000	\$1,749.85	\$1,588.35	(\$161.50)	-9.23%	\$2,361.40	\$3,671.95	\$1,310.55	55.50%	\$4,111.25	\$5,260.30	\$1,149.05	27.95%

MINIMUM GALLONS = 80,000
MAXIMUM GALLONS = NONE

**TOWN OF ADDISON - UTILITY RATE COMPARISON
INDUSTRIAL LARGE (LESS THAN 2")**

GALLONS	WATER				WASTEWATER				TOTAL			
	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%
10,000	\$21.84	\$19.79	(\$2.05)	-9.39%	\$25.37	\$39.44	\$14.07	55.46%	\$47.21	\$59.23	\$12.02	25.46%
15,000	\$29.94	\$27.14	(\$2.80)	-9.35%	\$37.17	\$57.79	\$20.62	55.47%	\$67.11	\$84.93	\$17.82	26.55%
20,000	\$38.04	\$34.49	(\$3.55)	-9.33%	\$48.97	\$76.14	\$27.17	55.48%	\$87.01	\$110.63	\$23.62	27.15%
25,000	\$46.14	\$41.84	(\$4.30)	-9.32%	\$60.77	\$94.49	\$33.72	55.49%	\$106.91	\$136.33	\$29.42	27.52%
30,000	\$54.24	\$49.19	(\$5.05)	-9.31%	\$72.57	\$112.84	\$40.27	55.49%	\$126.81	\$162.03	\$35.22	27.77%
35,000	\$62.34	\$56.54	(\$5.80)	-9.30%	\$84.37	\$131.19	\$46.82	55.49%	\$146.71	\$187.73	\$41.02	27.96%
40,000	\$70.44	\$63.89	(\$6.55)	-9.30%	\$96.17	\$149.54	\$53.37	55.50%	\$166.61	\$213.43	\$46.82	28.10%
45,000	\$78.54	\$71.24	(\$7.30)	-9.29%	\$107.97	\$167.89	\$59.92	55.50%	\$186.51	\$239.13	\$52.62	28.21%
50,000	\$86.64	\$78.59	(\$8.05)	-9.29%	\$119.77	\$186.24	\$66.47	55.50%	\$206.41	\$264.83	\$58.42	28.30%
55,000	\$94.74	\$85.94	(\$8.80)	-9.29%	\$131.57	\$204.59	\$73.02	55.50%	\$226.31	\$290.53	\$64.22	28.38%
60,000	\$102.84	\$93.29	(\$9.55)	-9.29%	\$143.37	\$222.94	\$79.57	55.50%	\$246.21	\$316.23	\$70.02	28.44%
65,000	\$110.94	\$100.64	(\$10.30)	-9.28%	\$155.17	\$241.29	\$86.12	55.50%	\$266.11	\$341.93	\$75.82	28.49%
70,000	\$119.04	\$107.99	(\$11.05)	-9.28%	\$166.97	\$259.64	\$92.67	55.50%	\$286.01	\$367.63	\$81.62	28.54%
75,000	\$127.14	\$115.34	(\$11.80)	-9.28%	\$178.77	\$277.99	\$99.22	55.50%	\$305.91	\$393.33	\$87.42	28.58%
80,000	\$135.24	\$122.69	(\$12.55)	-9.28%	\$190.57	\$296.34	\$105.77	55.50%	\$325.81	\$419.03	\$93.22	28.61%
85,000	\$143.34	\$130.04	(\$13.30)	-9.28%	\$202.37	\$314.69	\$112.32	55.50%	\$345.71	\$444.73	\$99.02	28.64%
90,000	\$151.44	\$137.39	(\$14.05)	-9.28%	\$214.17	\$333.04	\$118.87	55.50%	\$365.61	\$470.43	\$104.82	28.67%
95,000	\$159.54	\$144.74	(\$14.80)	-9.28%	\$225.97	\$351.39	\$125.42	55.50%	\$385.51	\$496.13	\$110.62	28.69%
100,000	\$167.64	\$152.09	(\$15.55)	-9.28%	\$237.77	\$369.74	\$131.97	55.50%	\$405.41	\$521.83	\$116.42	28.72%
200,000	\$329.64	\$299.09	(\$30.55)	-9.27%	\$473.77	\$736.74	\$262.97	55.51%	\$803.41	\$1,035.83	\$232.42	28.93%
300,000	\$491.64	\$446.09	(\$45.55)	-9.28%	\$709.77	\$1,103.74	\$393.97	55.51%	\$1,201.41	\$1,549.83	\$348.42	29.00%
400,000	\$653.64	\$593.09	(\$60.55)	-9.26%	\$945.77	\$1,470.74	\$524.97	55.51%	\$1,599.41	\$2,063.83	\$464.42	29.04%
500,000	\$815.64	\$740.09	(\$75.55)	-9.26%	\$1,181.77	\$1,837.74	\$655.97	55.51%	\$1,997.41	\$2,577.83	\$580.42	29.06%
600,000	\$977.64	\$887.09	(\$90.55)	-9.26%	\$1,417.77	\$2,204.74	\$786.97	55.51%	\$2,395.41	\$3,091.83	\$696.42	29.07%
700,000	\$1,139.64	\$1,034.09	(\$105.55)	-9.26%	\$1,653.77	\$2,571.74	\$917.97	55.51%	\$2,793.41	\$3,605.83	\$812.42	29.08%
800,000	\$1,301.64	\$1,181.09	(\$120.55)	-9.26%	\$1,889.77	\$2,938.74	\$1,048.97	55.51%	\$3,191.41	\$4,119.83	\$928.42	29.09%
900,000	\$1,463.64	\$1,328.09	(\$135.55)	-9.26%	\$2,125.77	\$3,305.74	\$1,179.97	55.51%	\$3,589.41	\$4,633.83	\$1,044.42	29.10%
1,000,000	\$1,625.64	\$1,475.09	(\$150.55)	-9.26%	\$2,361.77	\$3,672.74	\$1,310.97	55.51%	\$3,987.41	\$5,147.83	\$1,160.42	29.10%

MINIMUM GALLONS = 3,000
MAXIMUM GALLONS = NONE

**TOWN OF ADDISON - UTILITY RATE COMPARISON
HOTEL/MOTEL**

GALLONS	WATER				WASTEWATER				TOTAL			
	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%
10,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
15,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
20,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
25,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
30,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
35,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
40,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
45,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
50,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
55,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
60,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
65,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
70,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
75,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
80,000	\$260.10	\$235.55	(\$24.55)	-9.44%	\$190.20	\$295.55	\$105.35	55.39%	\$450.30	\$531.10	\$80.80	17.94%
85,000	\$268.20	\$242.90	(\$25.30)	-9.43%	\$202.00	\$313.90	\$111.90	55.40%	\$470.20	\$556.80	\$86.60	18.42%
90,000	\$276.30	\$250.25	(\$26.05)	-9.43%	\$213.80	\$332.25	\$118.45	55.40%	\$490.10	\$582.50	\$92.40	18.85%
95,000	\$284.40	\$257.60	(\$26.80)	-9.42%	\$225.60	\$350.60	\$125.00	55.41%	\$510.00	\$608.20	\$98.20	19.25%
100,000	\$292.50	\$264.95	(\$27.55)	-9.42%	\$237.40	\$368.95	\$131.55	55.41%	\$529.90	\$633.90	\$104.00	19.63%
200,000	\$454.50	\$411.95	(\$42.55)	-9.36%	\$473.40	\$735.95	\$262.55	55.46%	\$927.90	\$1,147.90	\$220.00	23.71%
300,000	\$816.50	\$558.95	(\$257.55)	-31.43%	\$709.40	\$1,102.95	\$393.55	55.48%	\$1,325.90	\$1,661.90	\$336.00	25.34%
400,000	\$778.50	\$705.95	(\$72.55)	-9.32%	\$945.40	\$1,469.95	\$524.55	55.48%	\$1,723.90	\$2,175.90	\$452.00	26.22%
500,000	\$940.50	\$852.95	(\$87.55)	-9.31%	\$1,181.40	\$1,836.95	\$655.55	55.49%	\$2,121.90	\$2,689.90	\$568.00	26.77%
600,000	\$1,102.50	\$999.95	(\$102.55)	-9.30%	\$1,417.40	\$2,203.95	\$786.55	55.49%	\$2,519.90	\$3,203.90	\$684.00	27.14%
700,000	\$1,264.50	\$1,146.95	(\$117.55)	-9.30%	\$1,653.40	\$2,570.95	\$917.55	55.49%	\$2,917.90	\$3,717.90	\$800.00	27.42%
800,000	\$1,426.50	\$1,293.95	(\$132.55)	-9.29%	\$1,889.40	\$2,937.95	\$1,048.55	55.50%	\$3,315.90	\$4,231.90	\$916.00	27.62%
900,000	\$1,588.50	\$1,440.95	(\$147.55)	-9.29%	\$2,125.40	\$3,304.95	\$1,179.55	55.50%	\$3,713.90	\$4,745.90	\$1,032.00	27.79%
1,000,000	\$1,750.50	\$1,587.95	(\$162.55)	-9.29%	\$2,361.40	\$3,671.95	\$1,310.55	55.50%	\$4,111.90	\$5,259.90	\$1,148.00	27.92%

MINIMUM GALLONS = 80,000
MAXIMUM GALLONS = NONE

**TOWN OF ADDISON - UTILITY RATE COMPARISON
FIRE METER**

GALLONS	WATER				WASTEWATER				TOTAL			
	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%	CURRENT	PROPOSED	CHANGE	%
10,000	\$29.84	\$27.04	(\$2.80)	-9.38%	N/A	N/A	N/A	N/A	\$29.84	\$27.04	(\$2.80)	-9.38%
15,000	\$37.94	\$34.39	(\$3.55)	-9.36%	N/A	N/A	N/A	N/A	\$37.94	\$34.39	(\$3.55)	-9.36%
20,000	\$46.04	\$41.74	(\$4.30)	-9.34%	N/A	N/A	N/A	N/A	\$46.04	\$41.74	(\$4.30)	-9.34%
25,000	\$54.14	\$49.09	(\$5.05)	-9.33%	N/A	N/A	N/A	N/A	\$54.14	\$49.09	(\$5.05)	-9.33%
30,000	\$62.24	\$56.44	(\$5.80)	-9.32%	N/A	N/A	N/A	N/A	\$62.24	\$56.44	(\$5.80)	-9.32%
35,000	\$70.34	\$63.79	(\$6.55)	-9.31%	N/A	N/A	N/A	N/A	\$70.34	\$63.79	(\$6.55)	-9.31%
40,000	\$78.44	\$71.14	(\$7.30)	-9.31%	N/A	N/A	N/A	N/A	\$78.44	\$71.14	(\$7.30)	-9.31%
45,000	\$86.54	\$78.49	(\$8.05)	-9.30%	N/A	N/A	N/A	N/A	\$86.54	\$78.49	(\$8.05)	-9.30%
50,000	\$94.64	\$85.84	(\$8.80)	-9.30%	N/A	N/A	N/A	N/A	\$94.64	\$85.84	(\$8.80)	-9.30%
55,000	\$102.74	\$93.19	(\$9.55)	-9.30%	N/A	N/A	N/A	N/A	\$102.74	\$93.19	(\$9.55)	-9.30%
60,000	\$110.84	\$100.54	(\$10.30)	-9.29%	N/A	N/A	N/A	N/A	\$110.84	\$100.54	(\$10.30)	-9.29%
65,000	\$118.94	\$107.89	(\$11.05)	-9.29%	N/A	N/A	N/A	N/A	\$118.94	\$107.89	(\$11.05)	-9.29%
70,000	\$127.04	\$115.24	(\$11.80)	-9.29%	N/A	N/A	N/A	N/A	\$127.04	\$115.24	(\$11.80)	-9.29%
75,000	\$135.14	\$122.59	(\$12.55)	-9.29%	N/A	N/A	N/A	N/A	\$135.14	\$122.59	(\$12.55)	-9.29%
80,000	\$143.24	\$129.94	(\$13.30)	-9.29%	N/A	N/A	N/A	N/A	\$143.24	\$129.94	(\$13.30)	-9.29%
85,000	\$151.34	\$137.29	(\$14.05)	-9.28%	N/A	N/A	N/A	N/A	\$151.34	\$137.29	(\$14.05)	-9.28%
90,000	\$159.44	\$144.64	(\$14.80)	-9.28%	N/A	N/A	N/A	N/A	\$159.44	\$144.64	(\$14.80)	-9.28%
95,000	\$167.54	\$151.99	(\$15.55)	-9.28%	N/A	N/A	N/A	N/A	\$167.54	\$151.99	(\$15.55)	-9.28%
100,000	\$175.64	\$159.34	(\$16.30)	-9.28%	N/A	N/A	N/A	N/A	\$175.64	\$159.34	(\$16.30)	-9.28%
200,000	\$337.64	\$308.34	(\$31.30)	-9.27%	N/A	N/A	N/A	N/A	\$337.64	\$308.34	(\$31.30)	-9.27%
300,000	\$499.64	\$453.34	(\$46.30)	-9.27%	N/A	N/A	N/A	N/A	\$499.64	\$453.34	(\$46.30)	-9.27%
400,000	\$661.64	\$600.34	(\$61.30)	-9.26%	N/A	N/A	N/A	N/A	\$661.64	\$600.34	(\$61.30)	-9.26%
500,000	\$823.64	\$747.34	(\$76.30)	-9.26%	N/A	N/A	N/A	N/A	\$823.64	\$747.34	(\$76.30)	-9.26%
600,000	\$985.64	\$894.34	(\$91.30)	-9.26%	N/A	N/A	N/A	N/A	\$985.64	\$894.34	(\$91.30)	-9.26%
700,000	\$1,147.64	\$1,041.34	(\$106.30)	-9.26%	N/A	N/A	N/A	N/A	\$1,147.64	\$1,041.34	(\$106.30)	-9.26%
800,000	\$1,309.64	\$1,188.34	(\$121.30)	-9.26%	N/A	N/A	N/A	N/A	\$1,309.64	\$1,188.34	(\$121.30)	-9.26%
900,000	\$1,471.64	\$1,335.34	(\$136.30)	-9.26%	N/A	N/A	N/A	N/A	\$1,471.64	\$1,335.34	(\$136.30)	-9.26%
1,000,000	\$1,633.64	\$1,482.34	(\$151.30)	-9.26%	N/A	N/A	N/A	N/A	\$1,633.64	\$1,482.34	(\$151.30)	-9.26%

NO WASTEWATER BILLED

Town of Addison

Overview of Ratemaking Concepts



An Introduction For
Public Officials

Lewis F. McLain, Jr.

Fiscal Planning Consultant



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General Concepts

- ▶ Concepts of Utility Enterprise Funds.
- ▶ Sub-Fund Components of a Utility Fund.
- ▶ Objectives of Good Utility Rate-Making.
- ▶ Revenue Adequacy.
- ▶ Achieving Equity.
- ▶ Debt Service Coverage Tests.
- ▶ Fiscal Stability Ratios.

Concepts of Utility Enterprise Funds

- ▶ Types of utilities and services which are generally set up as enterprises are water, sewer, solid waste and electric.
- ▶ Self-sufficient with minimal or no subsidization with other funds.
- ▶ Established so that identifiable users are paying for the services received.
- ▶ Varying methods of establishing rates to specific users in accordance with their demand and usage of the system.
- ▶ Capital intensive with funding usually from long-term bonds supported by a pledge of future revenues. Special ordinances and covenants are made in order to assure that revenues are generated.
- ▶ Rates are established to cover costs of operations and the repayment of debt while allowing for needed operating funds and adequate reserves.

Sub-Fund Components of a Utility Fund

- ▶ Operating Fund - Revenues from customers and expenditures for normal operating and maintenance.
- ▶ Capital Improvements Funds - Bond proceeds deposited and spending for facility construction.
- ▶ Impact Fee Funds - Capital recovery fees applied to projects or debt service.
- ▶ Debt Service I&S - Transfers from Operating Fund to pay semi-annual debt service payments to bond holders.
- ▶ Debt Service Reserve - Transfers from Operating Fund until the reserve reaches a level equivalent to the average annual debt service.
- ▶ Repair and Replacement Fund - A separate fund for emergency repairs or major replacements.
- ▶ Deposit Fund - Customer Deposits held until refunded or applied to final bills.

Objectives of Good Utility

Rate-Making

.....

- ▶ Revenues should be adequate.
- ▶ Various measures of equity should be achieved.
- ▶ Rates should be easy to explain and understand.
- ▶ Rates should be easy to administer.

Revenue Adequacy

- ▶ To fund recurring operations.
- ▶ To fund minor capital outlays, especially replacement items.
- ▶ To assure repayment of debt service (principal and interest).
- ▶ To make other debt service related transfers.
- ▶ To assure other bond covenant requirements are met such as minimum coverage tests.
- ▶ To maintain adequate levels of working capital for daily operations and seasonal fluctuations.
- ▶ To maintain any other reserves for emergency purposes.

Achieving Equity

- ▶ Between Municipal funds.
 - ▶ General Fund vs. Utility Fund.
- ▶ Between Utilities.
 - ▶ Water vs. Wastewater.
- ▶ Between Customer Type.
 - ▶ Residential vs. Commercial.
- ▶ Between Volume Users.
 - ▶ Low vs. High Irrigation.
- ▶ Between User Generations.
 - ▶ Current (Utility Rates) vs. Future (Impact Fees).

Debt Service Coverage Tests

- • • • •
- ▶ Rates should be adequate to pay for operations and maintenance with enough left over to "cover" debt service by a factor.
 - ▶ Actual Debt Service - at least 1 times.
 - ▶ Maximum Debt Service - at least 1.10 times.
 - ▶ Average Annual Debt Service - From 1.25 to 1.50 times.
- ▶ While these tests are required for revenue bonds, variations of the tests are appropriate even if the bonds are tax supported.

Fiscal Stability Ratios

- ▶ Working capital should be adequate to pay bills and withstand seasonal fluctuations.
 - ▶ At a minimum cash should be the equivalent of 45-60 days of expenditures.
 - ▶ Accounts Receivables should be the average consumption period plus the maximum billing-collection period.
 - ▶ Inventories should be at sufficient but minimum levels.
 - ▶ Accounts payables should be the equivalent of about 30 days of non-salary expenditures.
- ▶ The result should be a working capital level equal to 60+ days of expenditures plus considerations for extraordinary seasonal/weather fluctuations or changes in major users.

Rate Design Concepts

- ▶ Cost Characteristics.
- ▶ Design of Rates - Two-part Structure.
- ▶ Demand Charge.
- ▶ Meter Equivalents.
- ▶ Residential Consumption.
- ▶ Volume Rate Structures - Numeric.
- ▶ Volume Rate Structures - Graphic.
- ▶ Volume Rate Structures - Benefits & Disadvantages.

Cost Characteristics

- ▶ Customer Costs.
 - ▶ Meter reading.
 - ▶ Billing.
 - ▶ Collection.
- ▶ Fixed Costs.
 - ▶ Debt obligations.
 - ▶ Salaries.
 - ▶ Most O&M costs.
- ▶ Variable Costs.
 - ▶ Chemicals.
 - ▶ Electricity.

Design of Rates -

Two-part Structure

- ▶ Minimum Bills.
- ▶ Customer Costs.
 - ▶ As much of the fixed costs as possible - demand charge.
 - ▶ The variable costs of water/wastewater included in the minimum bill.
- ▶ Volume Rates.
 - ▶ Fixed costs not included in the minimum bill.
 - ▶ Variable costs.
 - ▶ Conservation incentives.
 - ▶ Economic Development incentives.

Rate Design -

..... Demand Charge.....

- ▶ The utility system is designed to meet a certain demand by its customers.
- ▶ The City must stand ready to serve the demand whether it is used or not - or whether it is used once or year round.
- ▶ The demand that a customer can place on the system is, to a large extent, regulated by the size of the meter.
- ▶ A good utility customer, from the demand viewpoint, is one that has a high ratio of water used to maximum demand.

Rate Design -

Meter Equivalents

- ▶ The maximum continuous flow by meter size is established by the AWWA.
- ▶ This maximum can be restated as a residential meter equivalent (RME).
- ▶ Most residential meters are 5/8" - 3/4".
 - 5/8" - 3/4" = 12.5 gpm = 1 RME.
 - 1" = 25 gpm = 2 RME.
 - 1-1/2" = 50 gpm = 4 RME.
 - 2" = 80 gpm = 6.4 RME.
 - 3" = 150 gpm = 12 RME.
 - 4" = 250 gpm = 20 RME.
 - 6" = 500 gpm = 40 RME.
 - 8" = 800 gpm = 64 RME.
 - 10" = 1,600 gpm = 128 RME.

Rate Design -

Residential Consumption

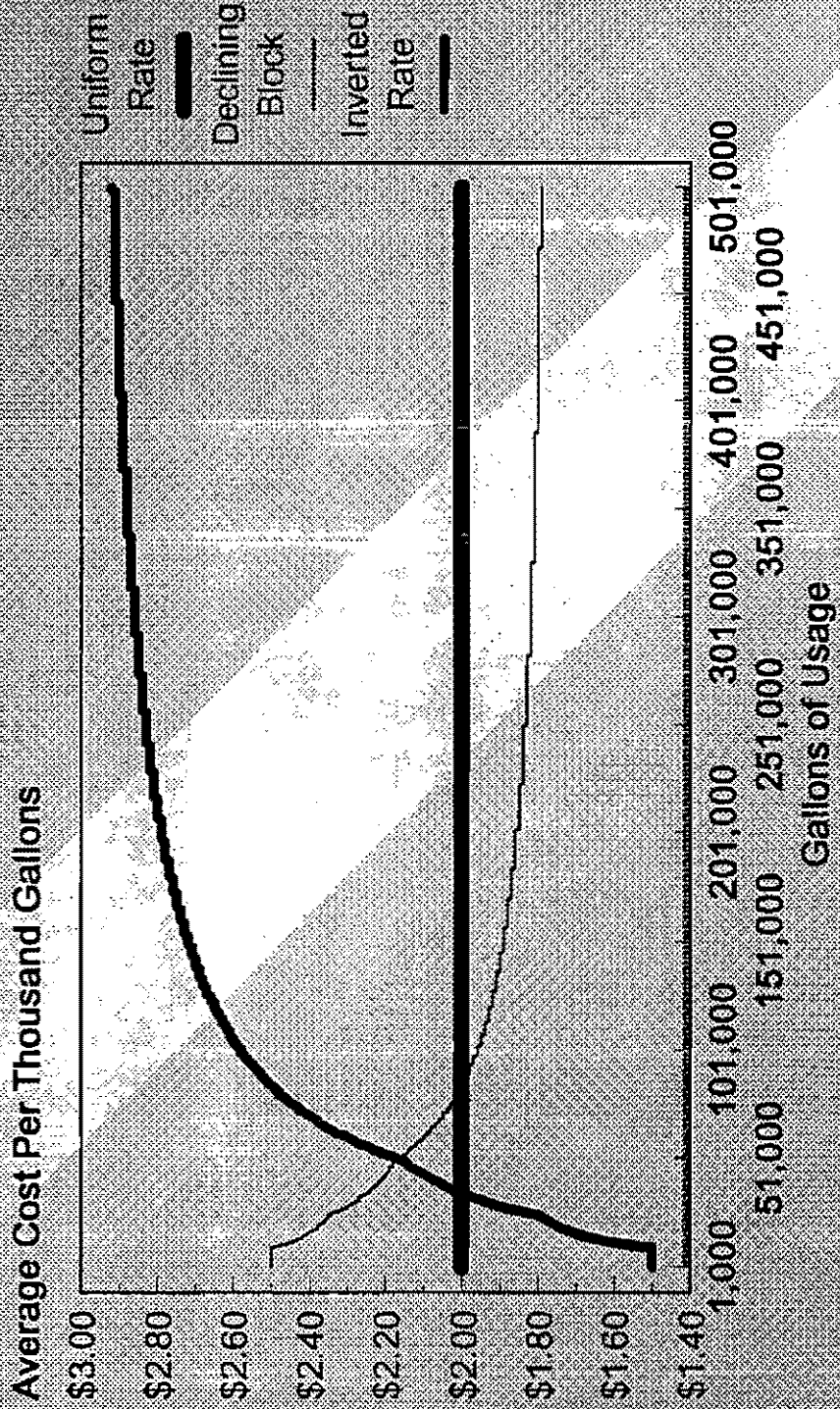
- ▶ Normal domestic consumption totals range from 7,500 - 10,000 gallons per month.
- ▶ 1/3 acre lot with 8,000 s.f. of yard to irrigate equals about 5,000 gallons for each inch of water.
- ▶ Translated to rate blocks:
 - 10,000 gallons for domestic uses.
 - Irrigation inches per month.
 - ▶ 10,001 - 25,000 gallons - up to 3".
 - ▶ 25,001 - 50,000 gallons - up to 10".
 - ▶ Over 50,000 gallons - over 10".

Rate Design -

Volume Rate Structures

- ▶ Uniform Rate - Every gallon of usage is charged the same. (\$2.00 per thousand).
- ▶ Declining Block - Each rate tier is charged less than the previous block.
 - ▶ \$2.50/Thou for the first 10,000 gallons;
 - ▶ \$2.25/Thou for the next 15,000 gallons;
 - ▶ \$2.00/Thou for the next 25,000 gallons;
 - ▶ and \$1.75/Thou above 50,000 gallons.
- ▶ Inverted Block - Each rate tier is charged more than the previous block:
 - ▶ \$1.50/Thou for the first 10,000 gallons;
 - ▶ \$2.00/Thou for the next 15,000 gallons;
 - ▶ \$2.50/Thou for the next 25,000 gallons;
 - ▶ and \$3.00/Thou above 50,000 gallons.

Volume Rate Structures



Rate Design -

Benefits & Disadvantages

- ▶ Uniform Rates.
 - ▶ Easily understood and administered.
 - ▶ Does not recognize economies of scale.
- ▶ Declining Block.
 - ▶ Recognizes efficiency assuming adequate supply of water and a minimum demand charge in place.
 - ▶ Has Economic Development appeal.
- ▶ Inverted Block.
 - ▶ Has conservation appeal.
 - ▶ Does not influence consumption unless each tear increases several orders of magnitude.

Special Considerations -

Wastewater

- ▶ Is not metered but can be associated with water consumption.
- ▶ Water not returned to the system must be adjusted in some fashion:
 - Large irrigation uses can be separately metered for both residential and commercial.
 - Residential small or modest irrigation and evaporation can be accommodated by placing a ceiling on the water gallonage used.
- ▶ Winter average for each customer.
- ▶ System Average - approx. 7,500 gallons.

Special Considerations -

Peak Season Adjustments

- ▶ Can be the equivalent of an inverted rate applied during the peak season - June - September.
- ▶ Can be used in conjunction with a uniform rate or declining block rate structure.
- ▶ An additional amount, \$0.25 - \$1.00 per thousand gallons can be added to existing rate structure for the summer months.
- ▶ Allows for the remaining months to have a "break" for economic development purposes.

Special Considerations - Pass-Through Rates

- ▶ Best applied when there are substantial operating costs that are subject to change, usually outside the control of the governing body.
- ▶ Examples would be costs from third-party water and wastewater treatment suppliers.
- ▶ Rate ordinance could be written to allow documented cost increases from wholesale providers to be converted to a per-thousand gallon basis and "passed through" to the utility customers.
- ▶ This technique is particularly helpful when rate changes occur off-cycle from the City's normal rate review and adjustments.

Special Considerations - Billing & Collection Cycles

- ▶ Billing & Collection cycles should be shortened as much as possible to make cash available sooner.
- ▶ Multiple routes aid, as do strict notice and cut-off procedures.
- ▶ The size of the deposit increases the collection percentage and reduces bad debt expense.
- ▶ Connect fees, reconnect fees, and bad check fees help offset the cost of service and, consequently, the revenue requirements from the general ratepayers.

Special Considerations -

Water Loss/Wastewater I&I Gains

- ▶ Reconciliation should be on a regular basis, at least annually.
- ▶ The reduction of water losses and unaccounted for as well as the reduction of inflow & infiltration (I&I) can be the equivalent of a sizeable rate increase.
- ▶ Water losses and unaccounted for can include unmetered municipal accounts, under-registering meters, theft, and unrecorded uses such as for fire suppression and major water main breaks.
- ▶ Wastewater I&I corrections often can be partially offset by a reduction in treatment payments when the service is supplied by a wholesaler.

Special Considerations -

Timing of Rate Implementation

- ▶ The ideal time to implement a rate increase is October 1st or January 1st, during periods of lower usage.
- ▶ The longer a rate increase is postponed within a fiscal year, the less impact it will have on the year-end results.
- ▶ When multiple rate increases are needed, a key policy decision is whether to raise the rates annually at minimum levels or less frequently but with larger increases.