

Water Department

Denton City Council
Department Presentation

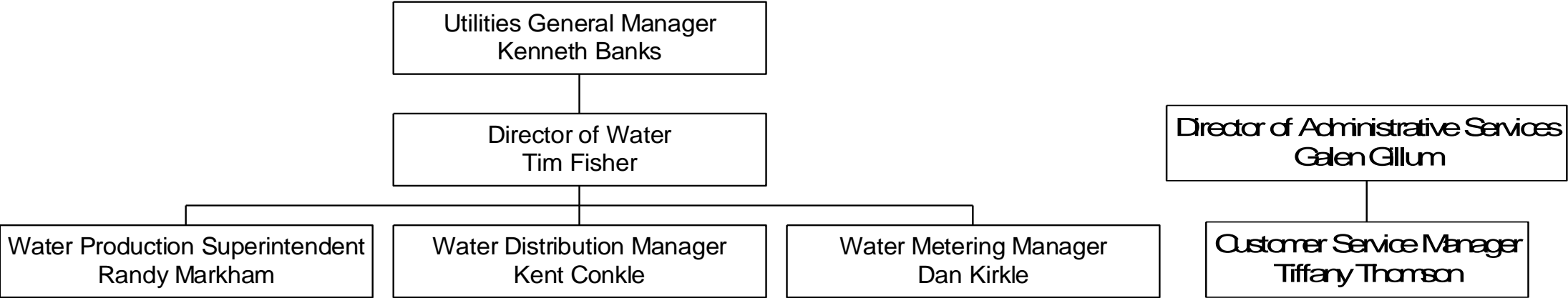


Water Department

FTE's By Functional Area

FTE's By Functional Area	FY 2014-15 Actuals	FY 2015-16 Actuals	FY 2016-17 Budget	FY 2017-18 Proposed
Administration	10.5	10.5	10.5	9.5
Production	35.0	36.0	37.0	37.0
Distribution	23.0	23.0	28.0	28.0
Metering	15.5	15.5	16.5	16.5
Laboratory	5.0	5.0	5.0	5.0
Utilities Administration	9.0	9.0	9.0	9.0
Customer Service	42.5	45.5	45.5	42.5
Total FTE's	140.5	144.5	151.5	147.5

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Water Department Goals and Accomplishments

Accomplishments for 16-17:

1. Condition assessment for 30" raw water transmission pipeline from Lake Lewisville to Treatment Plant.
2. Flow tested Lewisville Plant to verify performance after 2016 rehabilitation and process upgrades.
3. Rehabilitated ozone generators at Ray Roberts Plant to improve system reliability and performance.

Goals for 17-18:

1. Complete design for Lewisville Plant (Phase 2 Plant Upgrade).
2. Improve zebra mussel control for Lewisville and Ray Roberts raw water transmission systems.
3. Install communication systems to improve security for unmanned plant facilities.
4. Implement process to share SCADA resources between the two Plants.
5. Complete supply line improvements for Southwest Booster Pump Station to meet increasing demands.
6. Complete waterline replacements prior to the Hickory Street reconstruction project.

Water Department Performance Measures

Current Performance Measures:

1. New water meter installations
2. Water meter replacements
3. Water main replacements (feet)
4. Processed water volume

Proposed Performance Measures:

1. Main breaks per 100 miles
2. Unbilled water volume

Water Department Cost Containment Strategies

Summary of Department efforts:

1. Eliminated FTEs (Savings of \$47,854).
2. Budgeted salary savings of \$175,000 for turnover and vacancies.
3. Reduced FY 2017 to FY 2018 O&M budget by \$615,519.
4. Improved debt service efficiencies by balancing CIP projects and cash flow schedules.
5. Reduced revenue funded capital variability by leveling over 5 years.
6. Total reductions are approximately equal to 2.5% rate increase.

Water Department Process Improvements

Completed Projects:

1. Improved the meter reading, billing and work order process with team members from Water Metering, Electric Metering and Water Utilities Customer Service (reduced redundancy and errors)

Future Projects:

1. Evaluate Capital Project coordination and implementation process.
2. Complete system distribution master plan and implement recommendations.
3. Improve work order data reliability for CityWorks.
4. Continue to improve asset management program.

Water Department Expenditure Budget Highlights

Expenses	FY 2014-15 Actuals	FY 2015-16 Actuals	FY 2016-17 Budget	FY 2017-18 Proposed
Purchased Power	\$1,466,473	\$1,295,189	\$1,687,487	\$1,600,000
Personal Services	\$9,296,703	\$9,563,805	\$11,552,965	\$11,408,173
Materials & Supplies	\$1,441,099	\$1,478,542	\$1,837,081	\$1,721,614
Maintenance	\$1,262,680	\$1,215,538	\$1,749,468	\$1,558,572
Insurance	\$219,527	\$231,299	\$238,949	\$222,481
Return on Investment	\$1,099,858	\$1,173,001	\$1,334,486	\$1,327,607
Franchise Fees	\$1,571,226	\$1,675,715	\$1,882,155	\$1,896,582
Miscellaneous	\$302,681	\$324,843	\$307,115	\$342,778
Operations	\$1,978,773	\$1,732,764	\$3,067,453	\$2,639,209
Debt Service	\$13,832,362	\$13,443,255	\$11,532,670	\$12,638,094
Cost of Service	\$3,224,541	\$3,378,671	\$3,588,413	\$3,473,768
Transfer to Capital Projects	\$7,504,856	\$8,704,026	\$13,004,449	\$8,980,443
Total	\$43,200,780	\$44,216,648	\$51,782,691	\$47,809,321

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FY 2018 Major CIP Projects

- Lake Lewisville Water Treatment Plant Upgrade Phase II \$10.0 Million
- Allred to John Paine Road Transmission Line \$6.0 Million
- Lake Lewisville Raw Water Transmission Line \$4.0 Million
- Lake Ray Roberts Water Treatment Plant Zebra Mussel Control \$1.5 Million
- Highway 380 to I-35 Transmission Line \$1.5 Million
- McKinney Street Widening Utility Relocation \$1.0 Million

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Questions / Comments

