

MINUTES
CITY COUNCIL MEETING
JUNE 21, 2016

CALL TO ORDER – Roll Call and Determination of a Quorum

The Parker City Council met in a regular meeting on the above date at Parker City Hall, 5700 E. Parker Road, Parker, Texas, 75002.

Mayor Z Marshall called the meeting to order at 7:00 p.m. Council members Scott Levine, Lee Pettle, Ed Standridge, Tom Stone and Patrick Taylor were present.

Staff Present: City Administrator Jeff Flanigan, Finance/H.R. Manager Johnna Boyd, City Secretary Patti Scott Grey, City Attorney Jim Shepherd, Fire Chief Mike Sheff, Assistant Fire Chief Mark Barnaby, Police Chief Richard Brooks and Police Captain Kenneth Price

PLEDGE OF ALLEGIANCE

AMERICAN PLEDGE: Eleanor Evans led the pledge.

TEXAS PLEDGE: Cindy Meyer led the pledge.

PUBLIC COMMENTS The City Council invites any person with business before the Council to speak. No formal action may be taken on these items at this meeting. Please keep comments to 3 minutes.

Mayor Marshall again recognized new Police Chief Brooks and then he noted the public comment cards he received had concerns about water rates; therefore, he asked that the comments and questions be held until after Willdan/Economists.com Consultant Dan Jackson's presentation, regarding water rates. Everyone agreed.

CONSENT AGENDA Routine Council business. Consent Agenda is approved by a single majority vote. Items may be removed for open discussion by a request from a Councilmember or member of staff.

1. APPROVAL OF MEETING MINUTES FOR MAY 17, 2016. [SCOTT GREY]
2. APPROVAL OF MEETING MINUTES FOR JUNE 7, 2016. [SCOTT GREY]
3. DEPARTMENT REPORTS-ANIMAL CONTROL, BUILDING, COURT, FIRE, POLICE AND WEBSITE
4. CONSIDERATION AND/OR ANY APPROPRIATE ACTION ON HOLDING A SPECIAL MEETING ON JUNE 28, 2016. [MARSHALL]

5. CONSIDERATION AND/OR ANY APPROPRIATE ACTION ON CANCELING THE JULY 5, 2016 REGULAR MEETING DUE TO HOLIDAY. [MARSHALL]

MOTION: Councilmember Taylor moved to approve the consent agenda as presented. Councilmember Pettle seconded with Councilmembers Levine, Pettle, Standridge, Stone and Taylor voting for the motion. Motion carried 5-0.

INDIVIDUAL CONSIDERATION ITEMS

6. ADMINISTER OATH OF OFFICE TO RE-ELECTED COUNCILMEMBER SCOTT LEVINE. [MARSHALL]

Mayor Marshall administered the Oath of Office to Councilmember Scott Levine. The Mayor also noted, in Councilmember Levine's absence, at the June 7, 2016 City Council meeting, a motion was passed appointing Mr. Levine to serve as Mayor Pro Tem and to fill the unexpired term on the Investment Committee, through the end of the 2015-2016 term.

7. CONSIDERATION AND/OR ANY APPROPRIATE ACTION ON PRESENTATION FROM WATER RATE CONSULTANTS AND ECONOMIC COMMITTEE. [MARSHALL]

Mayor Marshall recognized Dan Jackson, Vice President of Willdan/Economists.com. Mr. Jackson stated the company's name, Willdan/Economists.com, and address, 5500 Democracy Drive Ste. 130, Plano, TX 75034, for the record. Mr. Jackson then reviewed his PowerPoint Presentation. (See Exhibit 1 – City of Parker, Texas, FY 2016, Water Rate Study.)

In the PowerPoint Presentation, Mr. Jackson reviewed three (3) options or alternatives for the City of Parker. As requested by the Water Rate Review Committee, each plan or option was designed to allow the City to meet its financial needs and provide quality water services to our citizens. Mr. Jackson noted each plan would impact consumers differently. Increasing volume blocks or tiers was intended to encourage water conservation and was needed for State of Texas and North Texas Municipal Water District (NTMWD) guidelines, with volume adjustments within each plan applied uniformly to each volume block. Option #1 kept the current rate structure, but applied adjustments only to the volume blocks. This option was recommended as the most equitable and as most compliant with industry and state guidelines. Option #2 was the same as Option #1, applying adjustments only to volume blocks, but also consolidated rate blocks from five (5) blocks down to three (3) blocks. Option #2 was less conservation oriented and pushed costs to lower volume consumers with greater impact on fixed income ratepayers. Also, this option could have the unintended consequence of increasing consumption into higher NTMWD "Take or Pay" levels. Option #3 kept the current rate structure, but applied adjustments to the base rate as well as to the volume blocks. This option would promote better water conservation than Option #2, but it would have a greater impact on lower volume consumers and fixed income ratepayers than Option #1. Mr. Jackson provided a website address, <https://www.watermyyard.org> with tools available to help with saving water, keeping your yard healthy, and automated recommendations, either by email or text, for watering based on local weather

conditions. He recommended the City approve one of the three (3) options to ensure the City's future quality and service needs for the community were met. He noted this would be an investment in the City's future growth.

Mayor Marshall asked Mr. Jackson to briefly address the flat rate structure. Mr. Jackson said some communities used a uniform rate. Basically, it was a minimum charge and then you pay the same amount for a 1,000 gallons no matter how many gallons were used. He explained there were advantages and disadvantages. Advantages would be you pay the same amount for a gallon of water no matter how much was used and it was more in line with basic water utility economics. There would be very big disadvantages. It did not encourage water conservation. In fact, it encouraged the waste of water. There would be no incentive for users to manage water properly. He reiterated there was not an unlimited supply of water. Although a flat rate might be logical, it did not encourage conservation. It would be detrimental to the City and frowned upon by state agencies.

Mayor Marshall then recognized Water Rate Review Committee (WRRC) Chair Brooke Asiatico, 3203 Bluffs Lane, who briefly stated this study achieved all the objectives proposed by the WRRC. She hoped for a good uniform rate that would be palatable, but there was no "magic pill". Conservation was key and should be encouraged. A flat rate would not promote conservation and would probably increase usage, which potentially could increase the NTMWD "Take or Pay" levels. City Council was presented with good alternatives. Ms. Asiatico thanked the City and Willdan/Economists.com Consultant Jackson for their efforts.

Cleburne Raney, 7000 Audubon Drive, suggested the City provide information to homeowners on water smart ways to achieve healthy, green lawns. He spoke briefly about new rotary sprinkler systems available that used less water and covered greater areas than old sprinkler systems; the possibility of making those more efficient sprinkler systems a requirement for new homes; using smaller water stations; connecting systems to National Oceanic and Atmospheric Administration (NOAA) weather stations; issuing rebates or giving discounts for sprinkler system improvements and upgrades, which promote or improve water conservation.

James Archer, 4209 Springhill Estates Drive, commented that if you looked at our 80,000 gallon rate, it was higher than our neighboring cities, with large increases for high volume usage. Mr. Archer suggested charging more for new water meters and new meter installation, while providing homeowner forgiveness when leaks occurred.

Steve Rhodes, 6808 Audubon Drive, said the concern or complaint citizens had was in regard to 2013 rates, not the 2014 rates, so he did not feel the study contained the necessary information. No other utility, gas nor electricity, rate increased with usage. Mr. Rhodes favored a flat rate.

Elvis Nelson, 5802 Corinth Chapel, stated he had a two and a half (2 ½) acre lot, on which he had a great deal of landscaping. Mr. Nelson admitted he was shocked when he received his \$800 water bill August 2015, but he was willing to pay for his usage. He suggested some type of annual averaging, as he had low water usage through the winter months and high volume usage in the summer. Mr. Nelson said he felt like he was compensating for someone else's shortfall and he was considering

building a water well. He remarked he believed the problem was with NTMWD's rate structure. Finally, he said he would like to be able to read his meter on the internet or the city's website, as it was physically difficult to get down on his knees to read the meter in the yard.

Billy Barron, 6707 Overbrook Drive, noted everyone needed to pay attention to more than just the rates. He was concerned about setting new, higher NTMWD "Take or Pay" levels. Mr. Barron said he favored Option #1 or Option #3.

Lou Zettler, 4202 Donna Lane, stated if Parker residents wanted green grass in the summer months and it does not rain, they increased water usage. Mr. Zettler remarked residents must use less water and conserve. He said he was not in favor of a flat rate. Mr. Zettler said he did have budget concerns, regarding the City's rates, but if he had to pick he liked Option #1. He said he did not want to subsidize other users.

Mr. Jackson said Willdan/Economists.com was doing or had done similar water studies for several area cities. Water was a growing concern for the state and this region. NTMWD was a regional distributor of fresh water for thirteen (13) member cities and thirty-four (34) customer cities/districts. He said he was working with some of the NTMWD member cities to urge NTMWD to change their "Take or Pay" practices. NTMWD was being very resistant. He noted revenue from member cities and customer cities/districts pay for infrastructure and future needs, ensuring the water supply for a growing population. Mr. Jackson briefly discussed a \$1 billion project, Bois D'Arc Lake, which would be larger than Lake Lavon and considered critical to meeting future needs.

Councilmember Standridge asked about future infrastructure costs and whether they were integrated into the alternatives. Mr. Jackson said yes, those costs were outlined on page 16 of the presentation, as shown below:

5 Year Forecast Cost of Service:



Water	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
Operating Costs - NTMWD	\$ 1,373,625	\$ 1,524,724	\$ 1,677,197	\$ 1,844,916	\$ 1,974,060
All Other Oper. Costs	586,150	596,087	618,613	641,783	666,030
Capital Outlays	602,000	635,000	285,000	285,000	285,000
Debt Service	<u>358,120</u>	<u>751,465</u>	<u>783,596</u>	<u>785,605</u>	<u>785,890</u>
Total Cost of Service	2,919,895	3,507,277	3,364,406	3,557,304	3,710,980

Councilmember Standridge asked about the thirty-four (34) customer cities/districts involvement in NTMWD negotiations to urge changes in the "Take or Pay" practices. Mr. Jackson said it was being driven by the thirteen (13) member cities, but it would benefit all the cities. The contract was the same. The only real difference at this time was the member cities pay five percent (5%) less per 1,000 gallons and the member cities have representation on the NTMWD Board of Directors.

Mayor Pro Tem Levine asked where Mr. Jackson received or attained his data. Mr. Jackson said they received their data directly from the entities, meaning NTMWD and/or the cities; Texas Municipal League survey reports, but not every city responded to the survey; and from websites.

Mayor Marshall asked what City Council wanted to do. He said he did not expect a conclusion or decision tonight.

Councilmember Taylor suggested putting the item on the Future Agenda Items fairly soon, giving City Council some time to review the consultant's information. Mayor Pro Tem Levine agreed and proposed adding the item to the Future Agenda Items for late July. This would give City Council time to review the information, but also allow for implementation by October 2016.

Mayor Marshall thanked Mr. Jackson and everyone for their concerns and input. He said the item would be placed on the Future Agenda Items for late July.

8. CONSIDERATION AND/OR ANY APPROPRIATE ACTION ON HOLDING THE 2016-2017 BUDGET WORKSHOP ON JULY 6 OR JULY 7. [MARSHALL]

After discussion, Mayor Marshall said City Council agreed to have the 2016-2017 Budget Workshop on July 7, 2016.

ROUTINE ITEMS

9. FUTURE AGENDA ITEMS

Mayor Marshall said the next City Council meeting would be a special meeting held Tuesday, June 28, 2016. There was some discussion on the Moss Ridge Drainage bid. Traditionally, such items came to the City Council, but it was not a requirement. City Council agreed there was no need to have the Moss Ridge Drainage bid on the agenda. Mayor Marshall added the Southridge Estates Board of Directors presentation, regarding FM 2551, to the Future Agenda Items for June 28, 2016.

10. ADJOURN

Marshall adjourned the meeting at 8:37 p.m.

APPROVED:



Mayor Pro Tem Scott Levine

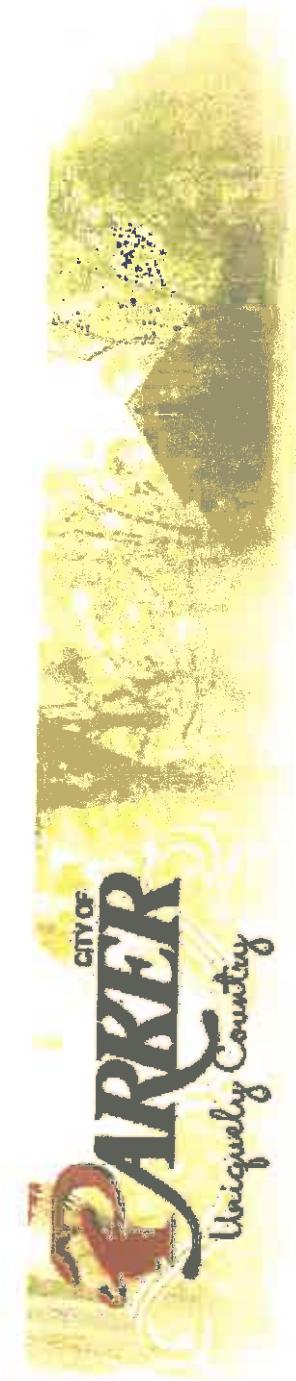
ATTESTED:



Patti Scott Grey

Patti Scott Grey, City Secretary

Approved on the 20th day
of July, 2016.



City of Parker, Texas

FY 2016 Water Rate Study Presentation

June 21 2016



Exhibit 1

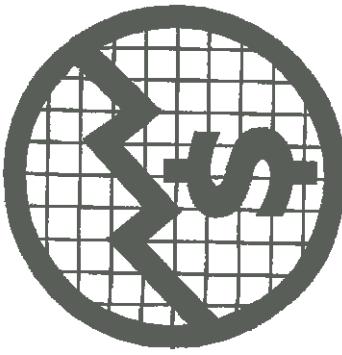
Presentation Format

- ♦ Background on Rates
- ♦ Historical and Forecast Accounts, Volumes
- ♦ Forecast NTMWD, Operating Costs, Capital Needs
- ♦ Revenue Requirements
- ♦ Proposed Rate Plan Alternatives
- ♦ Next Steps



Factors Affecting Water Rates Which Will Be Addressed in this Presentation

1. NTMWD rate increases –historical and projected
2. Capital Improvement Plan needed to repair and expand existing system – we will look at the needs of the City's water utility
3. Environmental and other regulations –largely the responsibility of NTMWD but costs are passed through to Member and Customer cities
4. Inflation



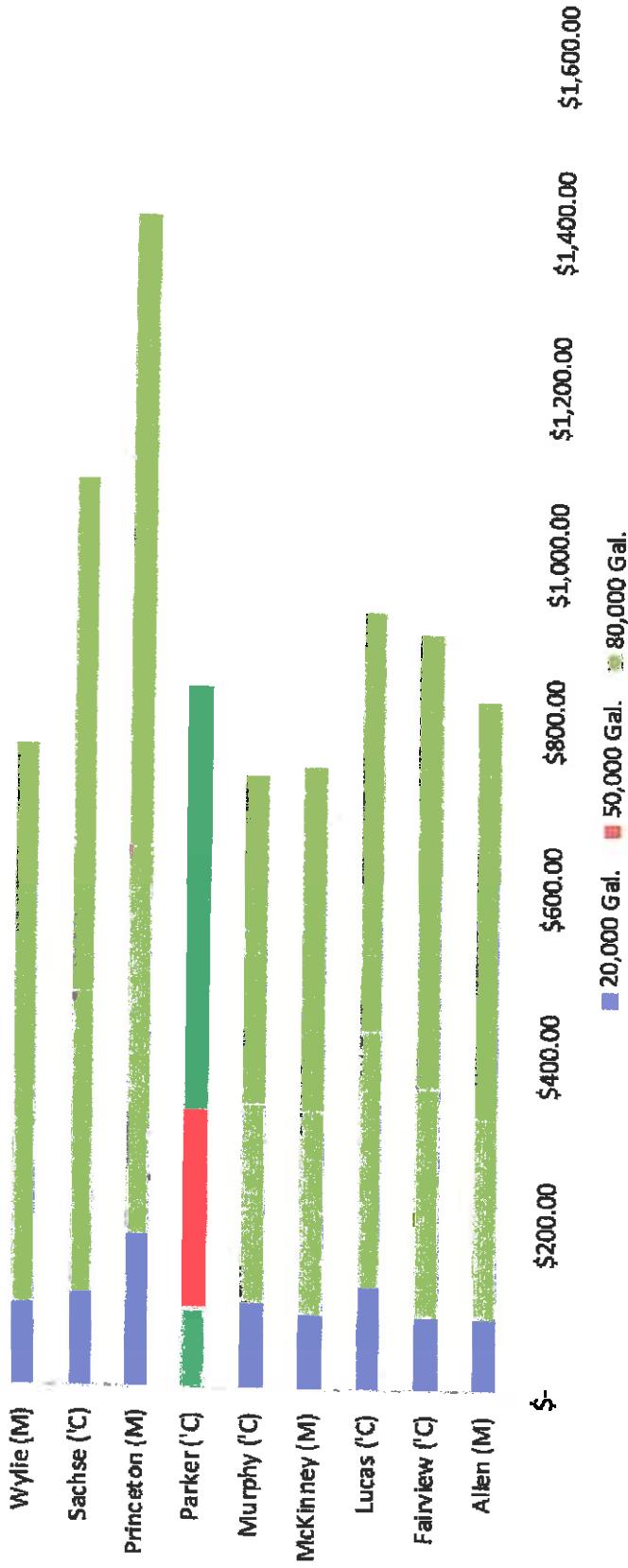
Facts about Water Rates in the 21st Century



- ◆ Average utility has been increasing rates 5-6% per year; trend expected to continue
- ◆ Rate adjustments are primarily due to reasons beyond a utility's control – inflation, system replacement, etc.
- ◆ General rule: a utility can have low rates or high quality service but NOT both!



Comparison of Monthly Residential Charges for 20,000; 50,000 and 80,000 Gallons Water



NTMWD member cities (M) and customer cities ('C) – All have inclining block rates with 3 to 5 blocks

City of Parker Current Water Rate Structure



Minimum Charge (includes 1st 4,000 Gal)

Residential
\$
(All meter sizes)

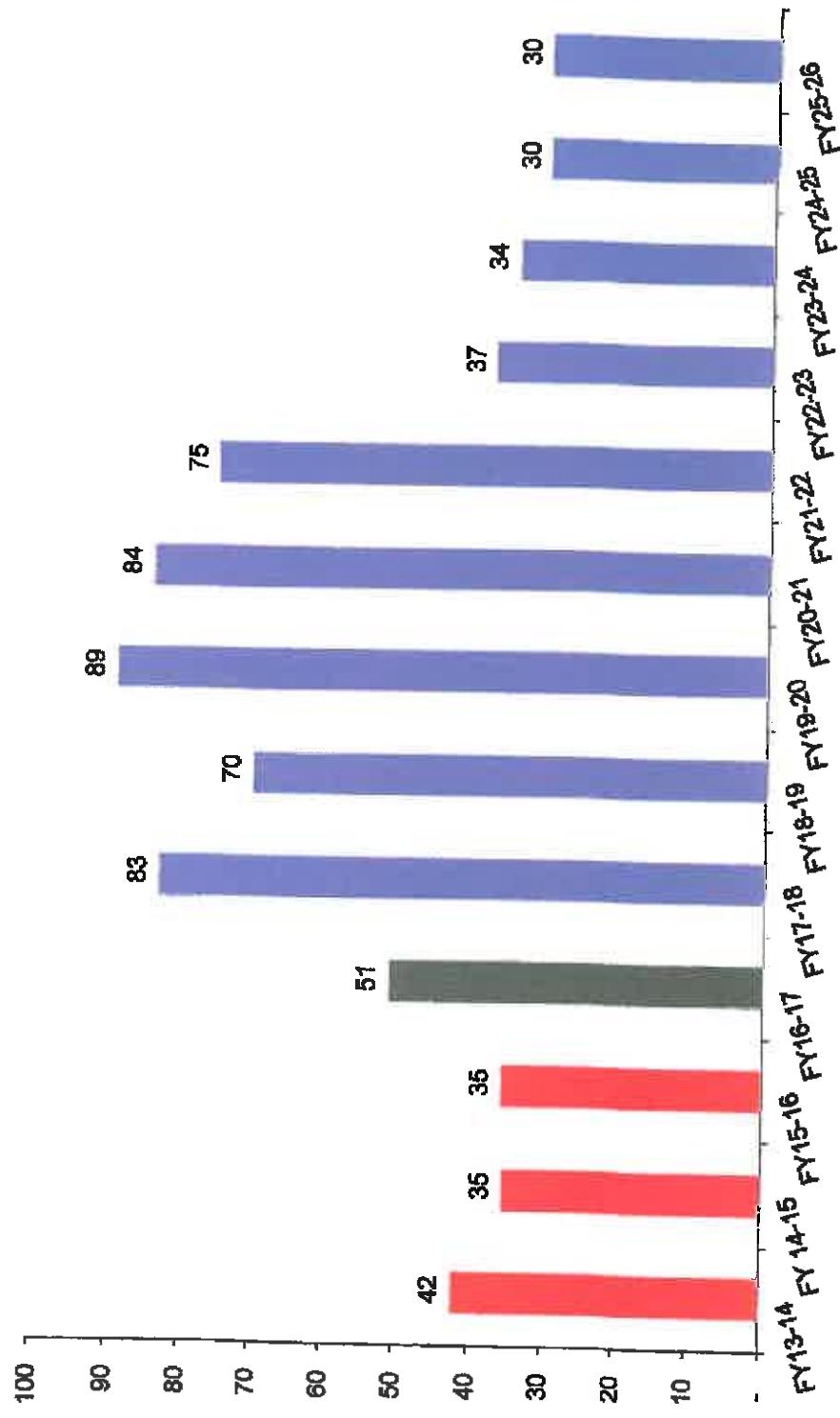
\$ 40.00

Volume Rate after Minimum (per 1,000 gal)

4,001 to 15,000 gal.	\$ 3.25
15,001 to 30,000 gal.	\$ 4.00
30,001 to 50,000 gal.	\$ 5.00
50,001 to 70,000 gal.	\$ 8.00
over 70,000 gal.	\$ 11.00

Compliant with NTMWD Water Conservation Plan recommendations

Historical & Forecast Annual New Water Accounts



FY 2016-17

Water Cost of Service

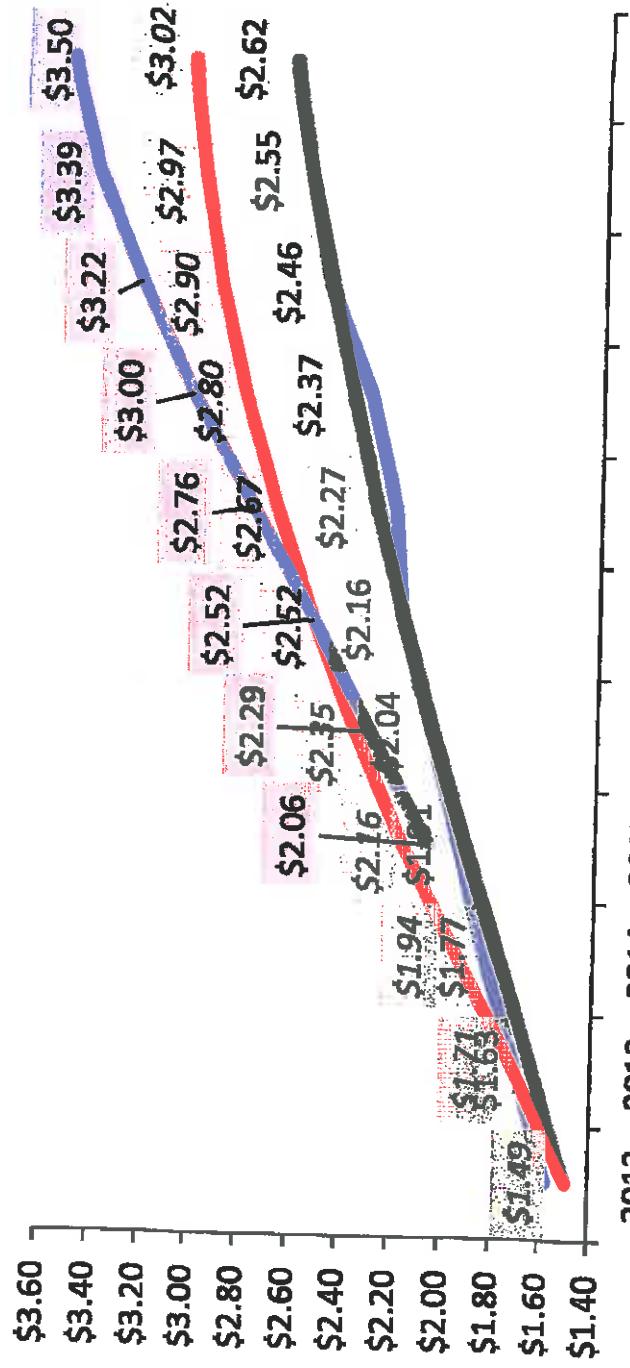


Scenario:
Alt 1 Status Quo

	WATER	Utility
Operating Costs:		
NTMWD Water Cost		1,248,750
All Other Operating Costs		586,150
Capital Outlays		285,000
Debt Service		399,673
Total Cost of Service		2,519,574
Less Non-Rate Revenues		<u>(195,000)</u>
Net Revenue Requirement Raised from Rates		2,324,574

NTMWD Water Rate Forecasts – Prepare for Future Annual Increases

NTMWD comprises over 50% of the City's total Water cost of service over the forecast period



— 2009 Forecast — 2011 Forecast — 2012 Forecast — 2015 Forecast

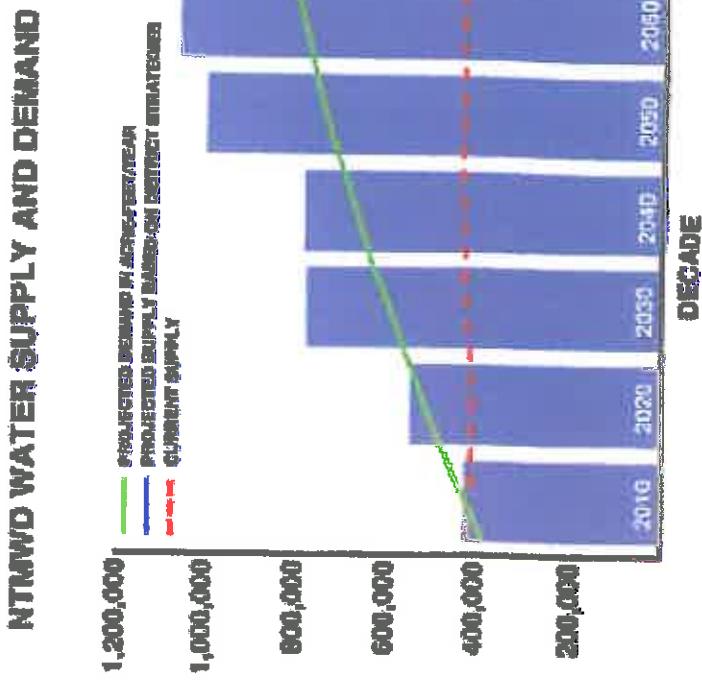
Reasons Behind NTMWD Water Rate Increases



- ♦ NTMWD - regional distributor of fresh water for 13 member cities and 34 customer cities/districts
- ♦ Revenues received from member cities and customers pays for the infrastructure in place and for future needs to ensure water supply for growing population
- ♦ The District is taking final preliminary steps to build Bois D'Arc Lake, a **\$1 billion project** resulting in a reservoir larger than Lake Lavon and considered critical to meeting future needs. This undertaking will necessitate 30 to 50 years of debt.

Reasons Behind NTMWD Water Rate Increases

- That translates into a 10% increase in the city's water rates every year for the foreseeable future while water conservation measures will continue to restrict water usage into the future
- This new reservoir along with conservation are critical to meeting the region's water needs. Here is a link to the NTMWD plans for future water: <https://ntmwd.com/futureWaterPlans.html>



10 Year Forecast Primary Assumptions

- ♦ Most operating expenses increase 3% per year; some (insurance/energy) increase at higher rates – most notably NTMWD
- ♦ Includes Capital Outlays to provide Repair and Replacement funding
- ♦ Payment of all Water debt service through utility revenues (could be revised once impact fee study is complete)



Water System Improvements to Meet System Demand

Already Completed:

- ◆ Rebuild of Pump Station FM1378
- ◆ Meter Replacement Program
- ◆ Replacement of 300,000 Gallon Elevated Tank with new 1 Million Gallon Water Tower

Not completed; Funding Needed – (Details on next slides):

- ◆ Line Replacement– need is increasingly critical
- ◆ New Pump Station
- ◆ Water Line Upsizing



5 Year Capital Requirements FY 2016-17 Through FY 2020-21



WATER - Capital Outlays

	<u>FY 16-17</u>	<u>FY 17-18</u>	<u>FY 18-19</u>	<u>FY 19-20</u>	<u>FY 20-21</u>
Total Capital Outlays	\$ 602,000	\$ 635,000	\$ 285,000	\$ 285,000	\$ 285,000

- ◆ For repair and replacement of assets such as vehicles, pumps, generators, other less costly assets; Funded directly through operating (rate) revenues and reserves; not through debt

WATER - Major Capital Improvements

Central Pump Station #5 with all ancillary costs \$ 7,999,000

(Projects and cost estimates developed by Birkhoff, Hendricks & Carter, LLP)

- ◆ Major Infrastructure assets in Capital Improvement Plan often funded through long term debt and may be eligible for impact fee funding

CIP Debt Issuance FY 2016 – FY 2025

- ◆ CIP requires new debt funding issue of \$8,000,000
- ◆ Sale of Debt projected for FY 2017-18
- ◆ First Southwest debt schedule utilized includes estimated costs of issuance as well as principal and interest
- ◆ No additional debt foreseen at this time until approximately FY 2023 for new elevated tower; impact fees may mitigate the magnitude of debt needed for this



5 Year Forecast Cost of Service:



Water	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
Operating Costs - NTMWD	\$ 1,373,625	\$ 1,524,724	\$ 1,677,197	\$ 1,844,916	\$ 1,974,060
All Other Oper. Costs	586,150	596,087	618,613	641,783	666,030
Capital Outlays	602,000	635,000	285,000	285,000	285,000
Debt Service	<u>358,120</u>	<u>751,465</u>	<u>783,596</u>	<u>785,605</u>	<u>785,890</u>
Total Cost of Service	2,919,895	3,507,277	3,364,406	3,557,304	3,710,980

Rate Plan Objectives with Regard to Financial Benchmarks and Rate Structure

- ◆ Minimize base charge adjustments as it is currently comparatively high; all agreed to avoid or limit increases on the base charge
- ◆ Maintain Water Fund balance of no less than 90 days of operating expense, and target of 120+
- ◆ Debt Coverage minimum of 1.25
- ◆ Use fund balance in excess of 90 days to:
 - ◆ Minimize and smooth out rate increases (Rate Stabilization)
 - ◆ Establish Repair and Replacement Reserve in anticipation of aging infrastructure
 - ◆ Provide Pay as You Go funding for capital needs



Rate Structure Alternative Notes

- ◆ As requested by the Advisory Committee we will show several rate plans with different structures.
- ◆ Each plan is designed to recover the same annual revenues and meet the same financial benchmarks, but each plan impacts consumers differently due to the structure.
- ◆ Increasing volume blocks (tiers) are intended to encourage conservation and are needed for compliance with State of Texas and NTMWD guidelines
- ◆ Volume adjustments within each plan are applied uniformly to each volume block



Alternative Rate Structures/ Plans All Designed to Meet Same Financial Targets



- Alt 1 – Keeps the current rate structure but applies adjustments only to the volume blocks
- Recommended as the most equitable and as most compliant with industry and State guidelines

Volume Rate Per 1,000 Gal	SCENARIO: 06 08 16 'Alt 1 Uniform Volume Adj to all Tiers; Vol Chg - 1st 4,000 Gal					
	Current	Effective Oct-16	Effective Oct-17	Effective Oct-18	Effective Oct-19	Effective Oct-20
4,001	\$ 15,000	\$ 3.25	\$ 3.55	\$ 3.85	\$ 4.10	\$ 4.20
15,001	30,000	4.00	4.35	4.75	5.10	5.25
30,001	50,000	5.00	5.45	5.95	6.35	6.55
50,001	70,000	8.00	8.70	9.50	10.15	10.45
70,001	Above	11.00	12.00	13.10	14.00	14.40

Alternative 2



- ◆ Alt 2 – Same as Alt 1 as it applies adjustments only to volume blocks, but also consolidates rate blocks down from 5 blocks to 3
- ◆ Less conservation oriented and pushes more costs to lower volume consumers; greater impact on fixed income ratepayers
- ◆ Could have unintended consequence of increasing consumption into higher take or pay with NTMWD sooner than growth alone would

SCENARIC

06 08 16 'Alt 2 Consolidated Tiers		Current	Effective Oct-16	Effective Oct-17	Effective Oct-18	Effective Oct-19	Effective Oct-20
<u>Min Chg -- Includes 1st 4,000 Gal</u>		\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00
<u>Volume Rate Per 1,000 Gal</u>							
4,001	15,000	\$ 3.25	\$ 3.75	\$ 4.30	\$ 4.45	\$ 4.65	\$ 4.85
15,001	30,000	4.00	5.00	5.75	6.00	6.25	6.50
30,001	50,000	5.00	5.00	5.75	6.00	6.25	6.50
50,001	70,000	8.00	9.00	10.35	10.75	11.20	11.65
70,001	Above	11.00	9.00	10.35	10.75	11.20	11.65

Alternative 3

- ◆ Alt 3 – Keeps the current rate structure but applies adjustments to the base rate as well as to the volume blocks

- ◆ Better from a conservation standpoint than Alternative 2, but does have a greater impact on lower volume consumers and fixed income ratepayers than Alt 1

SCENARIO:
06 08 16 'Alt 4 Uniform Adj to Base & Vol
Water Rates & Volume Block Rates

Min Chg -- Includes 1st 4,000 Gal

Volume Rate Per 1,000 Gal	Current	Effective Oct-16	Effective Oct-17	Effective Oct-18	Effective Oct-19	Effective Oct-20
4,001	15.000	\$ 3.25	\$ 3.40	\$ 3.65	\$ 3.80	\$ 3.90
15,001	30,000	4.00	4.20	4.55	4.75	4.90
30,001	50,000	5.00	5.25	5.65	5.90	6.10
50,001	70,000	8.00	8.40	9.05	9.40	9.70
70,001	Above	11.00	11.55	12.45	12.95	13.35
						13.70



Comparison of Alt 1 Thru 3 Impact on Residential Monthly Charges in Oct '16



Effective
Oct-16

Current

10,000 Gallons Water Usage

		Alt 1 - Unif Vol Adj. Only	Alt 2 - Consolidate Blks to 3	Alt 3 - Unif Adj to Base & Vol.
	\$	59.50	59.50	61.30

20,000 Gallons Water Usage

		Alt 1 - Unif Vol Adj. Only	Alt 2 - Consolidate Blks to 3	Alt 3 - Unif Adj to Base & Vol.
	\$	95.75	95.75	100.80

80,000 Gallons Water Usage

		Alt 1 - Unif Vol Adj. Only	Alt 2 - Consolidate Blks to 3	Alt 3 - Unif Adj to Base & Vol.
	\$	505.75	505.75	547.30



5 Yr Comparison of Alt 1 Thru 3 Impact on Residential Monthly Charges

	Current	Effective Oct-16	Effective Oct-17	Effective Oct-18	Effective Oct-19	Effective Oct-20
10,000 Gallons Water Usage						
Alt 1 - Unif Vol Adj. Only	\$ 59.50	\$ 61.30	\$ 63.10	\$ 64.60	\$ 65.20	\$ 66.10
Alt 2 - Consolidate Bks to 3	59.50	62.50	65.80	68.70	67.90	69.10
Alt 3 - Unif Adj to Base & Vol.	59.50	62.40	67.30	70.00	72.00	73.80
20,000 Gallons Water Usage						
Alt 1 - Unif Vol Adj. Only	95.75	100.80	106.10	110.60	112.45	114.85
Alt 2 - Consolidate Bks to 3	95.75	106.25	116.05	118.95	122.40	125.85
Alt 3 - Unif Adj to Base & Vol.	95.75	100.40	108.30	112.75	116.00	118.80
30,000 Gallons Water Usage						
Alt 1 - Unif Vol Adj. Only	191.50	201.75	212.50	223.75	227.50	231.25
Alt 2 - Consolidate Bks to 3	191.50	206.25	221.05	236.75	242.50	248.25
Alt 3 - Unif Adj to Base & Vol.	191.50	200.40	218.30	232.75	237.50	241.25
40,000 Gallons Water Usage						
Alt 1 - Unif Vol Adj. Only	287.50	304.50	321.75	340.00	347.50	355.00
Alt 2 - Consolidate Bks to 3	287.50	309.25	326.05	344.75	351.50	359.25
Alt 3 - Unif Adj to Base & Vol.	287.50	296.40	314.30	332.75	339.50	347.25
50,000 Gallons Water Usage						
Alt 1 - Unif Vol Adj. Only	383.50	407.50	431.75	455.00	467.50	480.00
Alt 2 - Consolidate Bks to 3	383.50	410.25	436.05	460.75	471.50	484.25
Alt 3 - Unif Adj to Base & Vol.	383.50	390.40	414.30	438.75	449.50	462.25
60,000 Gallons Water Usage						
Alt 1 - Unif Vol Adj. Only	479.50	511.50	543.75	575.00	587.50	600.00
Alt 2 - Consolidate Bks to 3	479.50	514.25	549.05	581.75	593.50	606.25
Alt 3 - Unif Adj to Base & Vol.	479.50	486.40	518.30	550.75	561.50	574.25
70,000 Gallons Water Usage						
Alt 1 - Unif Vol Adj. Only	575.50	617.50	651.75	683.00	695.50	708.00
Alt 2 - Consolidate Bks to 3	575.50	618.25	653.05	685.75	697.50	710.25
Alt 3 - Unif Adj to Base & Vol.	575.50	586.40	618.30	650.75	661.50	674.25
80,000 Gallons Water Usage						
Alt 1 - Unif Vol Adj. Only	671.50	723.50	766.75	808.00	820.50	833.00
Alt 2 - Consolidate Bks to 3	671.50	724.25	768.05	810.75	822.50	835.25
Alt 3 - Unif Adj to Base & Vol.	671.50	681.40	713.30	755.75	766.50	779.25
90,000 Gallons Water Usage						
Alt 1 - Unif Vol Adj. Only	767.50	830.50	874.75	916.00	928.50	941.00
Alt 2 - Consolidate Bks to 3	767.50	831.25	875.05	917.75	929.50	942.25
Alt 3 - Unif Adj to Base & Vol.	767.50	774.40	806.30	848.75	859.50	872.25
100,000 Gallons Water Usage						
Alt 1 - Unif Vol Adj. Only	863.50	936.50	981.75	1023.00	1035.50	1048.00
Alt 2 - Consolidate Bks to 3	863.50	937.25	982.05	1024.75	1036.50	1049.25
Alt 3 - Unif Adj to Base & Vol.	863.50	871.40	903.30	945.75	956.50	969.25

Tools are available – for example:
<https://watermyyard.org>



Save Water

Over 60% of landscape water is wasted due to overwatering. Irrigation watering practices and hardware can properly maintain irrigation systems. Water My Yard will help you determine exactly how much to water, conserving water resources in the future and saving you money right now.

Keep Your Yard Healthy

A healthy lawn needs less water than you may think. The Water My Yard program has been designed as a tool to assist you in determining an irrigation amount of supplemental water that is needed to maintain a healthy lawn.

Automated Recommendations

It only takes a few quick steps to begin receiving customized emails or notifications to know how much water your lawn actually requires based on local weather conditions.

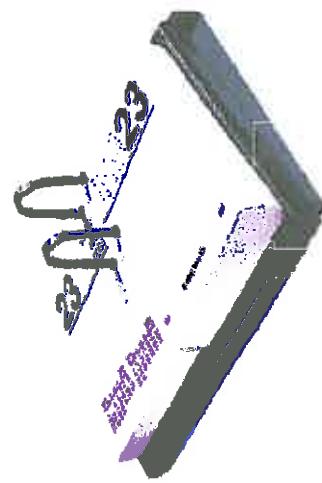
Let's get started

Step 1.) Check if your address is in the service area:
Enter a full address, city or zip code
Parker, TX
✓ Do to Step 2.)
Selected Weather Station: Parker 2

Step 2.) We need to determine the precipitation rate of your irrigation system! □

Summary Next Steps

- ◆ Obtain feedback based on proposals presented
- ◆ Review assumptions and revise alternatives as needed
- ◆ Prepare consolidated presentation for Council Meeting and Public Hearing if needed





Considerations and Questions

