



## Memorandum

**To:** Boards and Commissions

**From:** Greg Meszaros, Director, Austin Water Utility

**Date:** June 2, 2014

**Subject:** Board and Commission and Citizen Review of new Growth-related Capital Improvement Projects in Drinking Water Protection Zone

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The Austin City Council approved an amendment to Austin Water Utility's (AWU) Financial Policy No. 8 to provide for enhanced Board and Commission and citizen reviews of AWU's new growth-related capital improvement projects (CIP) located in the Drinking Water Protection Zone (DWPZ). This new ordinance (No. 20130117-017) took effect on January 28, 2013 and as part of the 2014 annual budget process, AWU is presenting the new growth-related projects to Boards and Commissions as set forth in the ordinance.

The revised 2013 Financial Policy No. 8 reads as follows:

Capital improvement projects for new water and wastewater treatment plants, capital expansions, and growth-related projects that are located in the Drinking Water Protection Zone (DWPZ) will be identified and submitted, as part of the annual budget process, to the following Boards and Commissions: Water and Wastewater Commission, Resource Management Commission, Environmental Board, Planning Commission, and the Zoning and Platting Commission.

These Boards and Commissions will review growth-related DWPZ capital projects spending plans, obtain Board and Commission and citizen input, review consistency with Imagine Austin Comprehensive Plan, review effect on growth within the DWPZ, and make recommendations on project approval for inclusion in Austin Water Utility's 5-year capital spending plans.

This summer, AWU representatives will be making a brief presentation to the Commissions on the CIP projects located in the DWPZ related to the financial policy.

**Attachments:** Presentation  
Project Summary  
Project Detail with Map



**AWU DWPZ Project Summary per AWU Financial Policy No. 8:**

The following summary table of FY2015-FY2019 Capital Improvement Program (CIP) projects for new water and wastewater treatment plants, capital expansions, and growth-related projects that are located in the Drinking Water Protection Zone (DWPZ) are categorized below by project phase (e.g. Planning, Design, and Construction):

ID	Project Name	FY15	FY16	FY17	FY18	FY19	Future FYs	Total Project Spending
Projects in Planning Phase								
6935.036*	Water – Riverplace Glenlake Interconnect	\$0	\$20,000	\$280,000	\$0	\$0	\$0	\$300,000
6935.037*	Water - Highland Park Improvements	\$20,000	\$405,000	\$1,020,000	\$1,020,000	\$510,000	\$0	\$2,975,000
6935.042*	Water - Loop 360 Westlake to Waymaker	\$20,000	\$800,000	\$500,000	\$300,000	\$0	\$0	\$1,620,000
3168.058*	Wastewater – Northwest Lift Station LRP Engineering Study	\$126,000	\$126,000	\$0	\$0	\$0	\$0	\$252,000
4954.006*	Wastewater - Thousand Oaks Interceptor	\$0	\$20,000	\$131,600	\$1,316,000	\$2,789,600	\$9,054,400	\$13,311,000
Planning Total		\$ 166,000	\$1,371,000	\$1,931,600	\$2,636,000	\$3,299,000	\$9,054,400	\$18,458,000
FY15-19 Total		\$9,403,600						
Projects in Construction Phase via Council Approval								
6683.002	Water - Water Treatment Plant No. 4	\$3,246,366	\$0	\$0	\$0	\$0	\$0	\$3,246,366
6683.009	Water - WTP #4- Environmental Commissioning	\$60,000	\$0	\$0	\$0	\$0	\$0	\$60,000
6683.019	Water - WTP4 CMAR	\$6,863,861	\$0	\$0	\$0	\$0	\$0	\$6,863,861
6935.016	Water - Jollyville Transmission Main	\$5,342,393	\$0	\$0	\$0	\$0	\$0	\$5,324,393
3353.079	Water - Ridgeview Subdivision	\$0	\$0	\$0	\$165,000	\$0	\$0	\$165,000
5038.001	Water - NWC Pump Station	\$673,000	\$4,000	\$0	\$0	\$0	\$0	\$ 677,000
Construction Total		\$16,185,620	\$4,000	\$0	\$165,000	\$0	\$0	\$16,354,620
FY15-19 Total		\$16,354,620						
Grand Total								
Grand Total		\$16,185,786	\$1,375,000	\$1,931,600	\$2,801,000	\$3,299,000	\$9,054,400	\$34,812,620
FY15-10 Total		\$25,758,220						
* This CIP project is located in the Drinking Water Protection Zone (DWPZ), and is a capital expansion for existing and/or agreed upon future customers. This project is not considered a growth-related project as it is not necessitated by or attributable to growth. Additional capacity may be provided by this project as noted below:								
<ul style="list-style-type: none"><li>It is inherent to the project, adding infrastructure per design standards for existing customers for reliability and/or to allow maintenance of facilities adds capacity to the system</li><li>The existing system does not have adequate capacity to safely serve existing and/or agreed upon future customers so non-growth additional capacity is needed</li></ul>								

**AWU DWPZ Project Detail per AWU Financial Policy No. 8:**

The following list of FY2015-FY2019 Capital Improvement Program (CIP) projects for new water and wastewater treatment plants, capital expansions, and growth-related projects that are located in the Drinking Water Protection Zone (DWPZ) are categorized below by Project Status (e.g. Planning, Design, and Construction):

**Projects in Planning Phase:**Water Distribution System Improvements (2 "Planning" Projects):

## 1. 6935.036 – Riverplace Glenlake Interconnect

- Description: Recently annexed Glenlake subdivision is single-fed water from Riverplace. This project would increase reliability for the system and bring the system more in line with the AWU criteria manual.
- This project is not considered a growth-related project as it is not necessitated by or attributable to growth. Additional capacity may be provided by this project as noted below:
  - It is inherent to the project, adding infrastructure per design standards for existing customers for reliability and/or to allow maintenance of facilities adds capacity to the system
  - The existing system does not have adequate capacity to safely serve existing and/or agreed upon future customers so non-growth additional capacity is needed
- Spending Plan:

FY15	FY16	FY17	FY18	FY19	Future	Total
\$0	\$0	\$20,000	\$280,000	\$0	\$0	\$300,000

## 2. 6935.037 - Highland Park Improvements

- Description: Highland Park reservoir and pump station have reached the end of their useful life and are undersized for the area. The area (approximately 2,300 accounts) is currently supplied with a single 12" line with no looping. Project is to construct a secondary supply to the area.
- This project is not considered a growth-related project as it is not necessitated by or attributable to growth. Additional capacity may be provided by this project as noted below:
  - It is inherent to the project, adding infrastructure per design standards for existing customers for reliability and/or to allow maintenance of facilities adds capacity to the system
  - The existing system does not have adequate capacity to safely serve existing and/or agreed upon future customers so non-growth additional capacity is needed
- Spending Plan:

FY15	FY16	FY17	FY18	FY19	Future	Total
\$20,000	\$405,000	\$1,020,000	\$1,020,000	\$510,000	\$0	\$2,975,000

## 3. 6935.042 - Loop 360 Westlake to Waymaker

- Description: Install 24" line in Loop 360 from Westlake Dr to Waymaker Way. This would allow the pumping division to take the Davenport PS and Reservoir offline temporarily for maintenance.
- This project is not considered a growth-related project as it is not necessitated by or attributable to growth. Additional capacity may be provided by this project as noted below:
  - It is inherent to the project, adding infrastructure per design standards for existing customers for reliability and/or to allow maintenance of facilities adds capacity to the system

## • Spending Plan:

FY15	FY16	FY17	FY18	FY19	Future	Total
\$20,000	\$800,000	\$500,000	\$300,000	\$0	\$0	\$1,620,000

Wastewater Collection System Improvements (1 "Planning" Project):

## 4. 3168.058 - Northwest Lift Station LRP Engineering Study

- Description: This project will fund an engineering study of the Northwest Lift Stations including Four Points #1, Four Points #2, and Rock Harbour. This series of lift stations all experience O&M issues and a full study is needed to evaluate options.
- This project is not considered a growth-related project as it is not necessitated by or attributable to growth. Additional capacity may be provided by this project as noted below:
  - It is inherent to the project, adding infrastructure per design standards for existing customers for reliability and/or to allow maintenance of facilities adds capacity to the system
  - The existing system does not have adequate capacity to safely serve existing and/or agreed upon future customers so non-growth additional capacity is needed

## • Spending Plan:

FY15	FY16	FY17	FY18	FY19	Future	Total
\$126,000	\$126,000	\$0	\$0	\$0	\$0	\$252,000

## 5. 4954.006 - Thousand Oaks Interceptor

- Description: The Thousand Oaks Interceptor Project consists of a planned gravity interceptor that would relieve the Bee Cave and Treemont Lift Stations and replace the Skunk Hollow Interceptor that is currently at capacity.
- This project is not considered a growth-related project as it is not necessitated by or attributable to growth. Additional capacity may be provided by this project as noted below:
  - It is inherent to the project, adding infrastructure per design standards for existing customers for reliability and/or to allow maintenance of facilities adds capacity to the system
  - The existing system does not have adequate capacity to safely serve existing and/or agreed upon future customers so non-growth additional capacity is needed
- Spending Plan:

FY15	FY16	FY17	FY18	FY19	Future	Total
\$0	\$20,000	\$131,600	\$1,316,000	\$2,789,600	\$9,054,400	\$13,311,000

**Projects in Construction Phase via Council Approval:**Water Treatment Plant No. 4 (WTP4) and Transmission Main (4 "Active" Projects):

## 6. 6683.002 - Water Treatment Plant No. 4

- Description: This project is for design and construction phase services (Professional Services Contracts) for the 50 Million Gallon per Day (MGD) water treatment facility (WTP4) on the Bullick Hollow Site and the raw water system and pump station.
- Spending Plan:

FY15	FY16	FY17	FY18	FY19	Future	Total
\$3,246,366	\$0	\$0	\$0	\$0	\$0	\$3,246,366

## 7. 6683.002 - WTP #4-Environmental Commissioning

- Description: Consultant
- Spending Plan:

FY15	FY16	FY17	FY18	FY19	Future	Total
\$60,000	\$0	\$0	\$0	\$0	\$0	\$60,000

## 8. 6683.019 - WTP4 CMAR

- Description: Provide for negotiation, execution, and construction of Guaranteed Maximum Price construction contracts in accordance with CMAR Contract for construction of Water Treatment Plant No. 4. Includes Project Advisor Contract.
- Spending Plan:

FY15	FY16	FY17	FY18	FY19	Future	Total
\$6,863,861	\$0	\$0	\$0	\$0	\$0	\$6,863,861

## 9. 6935.016 - Jollyville Transmission Main

- Description: Jollyville/NWA Transmission Main- 36,000LF of 84-inch from WTP4 to Jollyville Res.
- Spending Plan:

FY15	FY16	FY17	FY18	FY19	Future	Total
\$5,342,393	\$0	\$0	\$0	\$0	\$0	\$5,342,393

Water Service Extension Requests (SERs) (1 "Active" Project):

## 10. 3353.079 - Ridgeview Subdivision

- Description: 3,000 feet of 12-inch water line along U.S. Highway 290 West. Council approved (2/1/07) cost participation of \$165,082 for 3,000 feet of oversized 12-inch water line (33% is 4-inches of oversize from an 8-inch) required under SER 2523.
- Spending Plan:

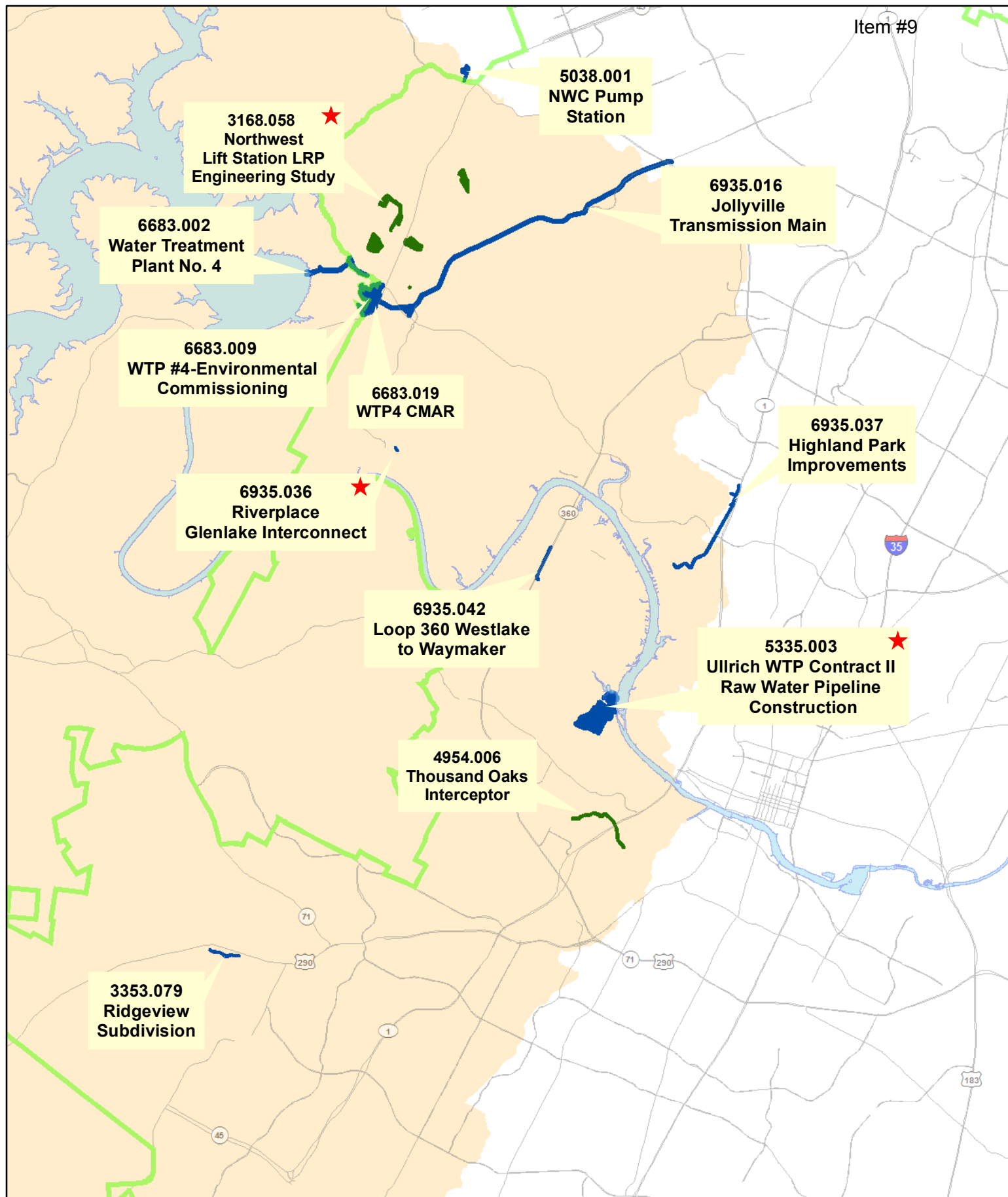
FY15	FY16	FY17	FY18	FY19	Future	Total
\$0	\$0	\$0	\$165,000	\$0	\$0	\$165,000

NWC Pump Station and Transmission Main (1 "Active" Project):

## 11. 5038.001 - NWC Pump Station

- Description: Construct a pump station, 1.5 million gallon potable water tower, approximately 700 Lf of 36 inch diameter and 300 Lf of 42 inch diameter water pipe, and storm water detention pond.
- Spending Plan:

FY15	FY16	FY17	FY18	FY19	Future	Total
\$673,000	\$4,000	\$0	\$0	\$0	\$0	\$ 677,000



- |  |                     |   |                                |
|--|---------------------|---|--------------------------------|
|  | Water Projects      |  | Drinking Water Protection Zone |
|  | Wastewater Projects |  | Impact Fee Boundary            |
|  | New in FY15-19      |   |                                |

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City of Austin  
Austin Water Utility  
May 2014

## AWU DWPZ CIP Projects (DRAFT)

Produced by Infrastructure Management Division



# Austin Water Utility

## **Capital Improvement Projects for New Treatment Plants, Capital Expansions, and Growth-related Projects Located in the Drinking Water Protection Zone Overview**

July 15, 2014



# Outline

- Financial Policy No. 8 (revised FY 2013)
- Summary of identified projects
- FY 2015-19 Proposed Capital Plan Summary

## Financial Policy No. 8 (Revised FY 2013)

- Capital improvement projects for new water and wastewater treatment plants, capital expansions, and growth-related projects that are located in the Drinking Water Protection Zone (DWPZ) will be identified and submitted, as part of the annual budget process, to the following Boards and Commissions: Water and Wastewater Commission, Resource Management Commission, Environmental Board, Planning Commission, and the Zoning and Platting Commission.
- These Boards and Commissions will review growth-related DWPZ capital projects spending plans, obtain Board and Commission and citizen input, review consistency with Imagine Austin Comprehensive Plan, review effect on growth within the DWPZ, and make recommendations on project approval for inclusion in Austin Water Utility's 5-year capital spending plans.

# DWPZ Projects in Proposed FY 2015-19 Capital Spending Plan

The following Capital Improvement Program (CIP) projects are located in the Drinking Water Protection Zone (DWPZ) , and is a capital expansion for existing and/or agreed upon future customers. These projects are not considered growth-related projects as it is not necessitated by or attributable to growth. Additional capacity may be provided by these projects as noted below:

- It is inherent to the project, adding infrastructure per design standards for existing customers for reliability and/or to allow maintenance of facilities adds capacity to the system
- The existing system does not have adequate capacity to safely serve existing and/or agreed upon future customers so, non-growth additional capacity is needed
- Projects in Planning:
 

– Riverplace Glenlake Interconnect	\$ 0.3 M
– Highland Park Improvements	\$ 3.0 M
– Loop 360 Westlake to Waymaker	\$ 1.6 M
– Northwest Lift Station LRP Engineering Study	\$ 0.2 M
– Thousand Oaks Interceptor	<u>\$13.3 M</u>
	<b>\$18.4 M</b>

*\*Funding amounts shown for FY15-19 (5-year total only)*

# DWPZ Projects in Proposed FY 2015-19 Capital Spending Plan

The following Capital Improvement Program (CIP) projects for new water and wastewater treatment plants, capital expansions, and growth-related projects are located in the Drinking Water Protection Zone (DWPZ):

- Projects in Construction Phase via Council Approval:
  - Water Treatment Plant No. 4                      \$10.2 M
  - Jollyville Transmission Main                      \$ 5.3 M
  - Ridgeview Subdivision                      \$ 0.2 M
  - NWC Pump Station                      \$ 0.7 M
  - \$16.4 M

*\*Funding amounts shown for FY15-19 (5-year total only)*

# Capital Improvement Program

- AWU's proposed FY 2015-19 spending plan is \$840.0M
- The total of the projects listed above in the DWPZ represent 4.1% of the total proposed spending plan
- Projects are meeting current capacity needs

# For More Information

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# Questions?