



**Recommendation for  
Water & Wastewater Commission**

<b>Commission Meeting Date:</b>	April 12, 2017
<b>Council Meeting Date:</b>	May 4, 2017
<b>Department:</b>	Austin Water
<b>SUBJECT</b>	
<p>Authorize negotiation and execution of interlocal agreements with the cities of Round Rock, Cedar Park, and Leander for the reimbursement of costs related to the expansion of the Brushy Creek Regional Wastewater System. Austin's proportionate share of estimated expenses are expected to total \$20,975,000. (District 6)</p>	
<b>AMOUNT AND SOURCE OF FUNDING</b>	
<p>Funding is available in the Fiscal Year 2016-2017 Capital Budget of Austin Water.</p>	
<b>Purchasing Language:</b>	N/A
<b>Prior Council Action:</b>	<p>July 23, 2009- Council approved an interlocal agreement to purchase the City's share of the Brushy Creek Regional Wastewater System from the Lower Colorado River Authority.</p> <p>September 22, 2011- Council approved an agreement with the Brazos River Authority for the operation and maintenance of the Brushy Creek Regional Wastewater System.</p> <p>March 6, 2014- Council approved an interlocal agreement with the Cities of Round Rock, Leander, and Cedar Park concerning the capacity, operation, maintenance, and improvements to the Southwest Interceptor of the Brushy Creek Regional Wastewater System.</p>
<b>For More Information:</b>	Bart Jennings, 512-972-0118; Denise Avery, 512-972-0104
<b>Boards and Commission Action:</b>	April 12, 2017 - To be reviewed by the Water and Wastewater Commission.
<b>MBE/WBE:</b>	N/A

The Brushy Creek Regional Wastewater System (“Brushy Creek System”) is a wastewater system located in southern Williamson County. The cities of Austin, Round Rock, and Cedar Park jointly purchased the Brushy Creek System from the Lower Colorado River Authority in 2009, and each City is a partial owner of the Brushy Creek System. The City of Leander joined the other cities in 2011.

Two wastewater treatment plants of the Brushy Creek System are located in the City of Round Rock’s jurisdiction and treat wastewater within the Brushy Creek, Onion Creek, Chandler Creek, and McNutt Creek watersheds. The plants, shown in the attached map, are known as the “East WWTP” and the “West WWTP”. Austin has approximately 3,800 retail wastewater connections, all located within the Desired Development Zone, which discharge into the Brushy Creek System (mostly located within the Avery Ranch subdivision at the present time). Austin expects the number of retail wastewater connections to increase to 24,800 by 2030

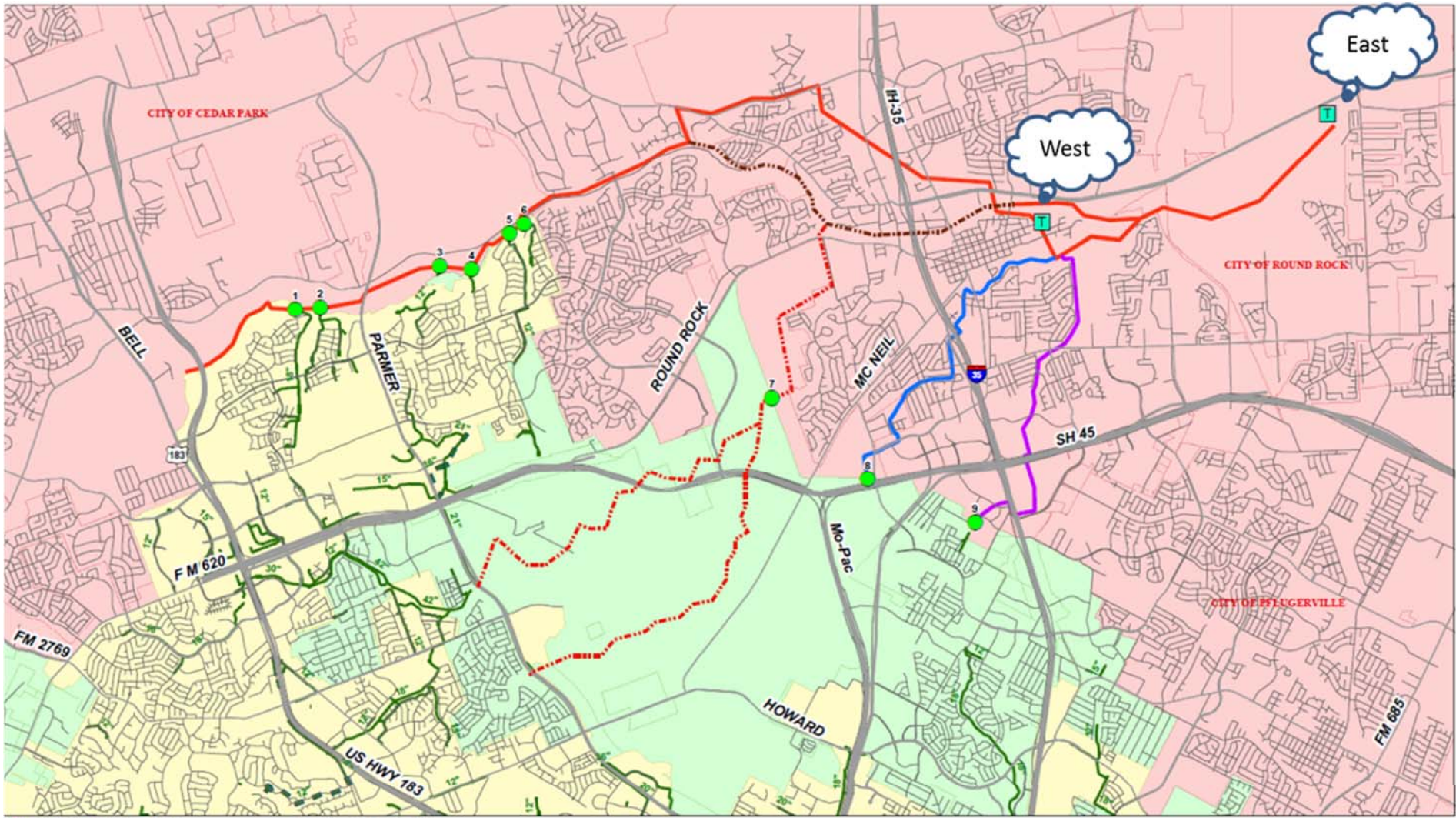
Due to the continued regional growth in northern Travis County and southern Williamson Counties, the East WWTP capacity will need to be increased. Texas Commission of Environmental Quality rules require that engineering design of a wastewater treatment plant expansion must begin when wastewater flows reach 75% of the plant’s capacity. The East WWTP’s current flows are 81% of the East WWTP’s capacity on an average annual basis. The last expansion of the East WWTP occurred in 2004.

There will be a two-phased approach to increasing the East WWTP capacity. Each city will pay their proportionate costs for additional capacity in the East WWTP as shown in the table below:

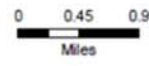
City / Initial Ownership	Current (MGD)	Phase I (only) (MGD)	Capacity After Phase I (MGD)	Phase II (MGD)	Total Capacity (MGD)	City / Final Ownership (%)
East Plant Capacity	21.50	3.50	25.00	13.50	38.50	100.00%
Round Rock / 81.96%	17.62	2.87	20.49	3.50	23.99	62.31%
Leander / 0.0%	0.00	0.00	0.00	5.50	5.50	14.29%
Cedar Park / 14.61%	3.14	0.51	3.65	1.50	5.15	13.38%
Austin / 3.43%	0.74	0.12	0.86	3.00	3.86	10.02%

It is anticipated that the entire expansion will be completed by 2024. The city of Round Rock will bid, manage, and oversee the design and construction of the East WWTP. Each of the cities will reimburse their proportionate share of costs to Round Rock as milestones are achieved.

Austin’s proportionate share of estimated expenses for Phase I is \$275,000 and for Phase II is \$20,700,000 for a total of \$20,975,000. Austin’s funding for the expansion is included in its capital improvement plan budget.



- City of Austin Points of Entry
  - Brushy Creek Regional Wastewater Main
  - City of Austin Gravity Main
  - South Interceptor
  - Southwest Interceptor
  - City of Austin Force Main
  - Austin's Full-Purpose City Limit
  - Austin's Limited Purpose Area and ETJ
  - Other Cities
- This map has been produced by the City of Austin for its needs and purposes and is not warranted for any other use. No warranty is made by the City regarding its accuracy or completeness.



City of Austin  
Austin Water Utility  
January 2017  
**Brushy Creek  
Regional Wastewater System**