



CITY OF FAIR OAKS RANCH
CAPITAL IMPROVEMENTS ADVISORY COMMITTEE (CIAC)
SPECIAL MEETING

Tuesday, April 08, 2025 at 9:00 AM

Public Safety Training Room, Police Station, 7286 Dietz Elkhorn, Fair Oaks Ranch

AGENDA

OPEN MEETING

1. Roll Call - Declaration of a Quorum

CITIZENS and GUEST FORUM

To address the Committee, please sign the Attendance Roster located on the table at the entrance of the Council Chambers. In accordance with the Open Meetings Act, the CIAC Committee may not discuss or take action on any item which has not been posted on the agenda. Speakers shall limit their comments to five (5) minutes each

2. Citizens to be heard

WORKSHOP

3. Water and Wastewater Impact Fee Update

Grant Watanabe, P.E., Director of Public Works and Engineering Services
Jessica Vassar, P.E., Freese and Nichols, Inc.

CONSIDERATION / DISCUSSION ITEMS

4. Consideration and possible action on Impact Fee Recommendations and authorization to submit written CIAC Impact Fee Recommendations to the City Council

Paul Mebane, CIAC Chairperson

5. Recommendations to City Council for Semi-Annual Report

Paul Mebane, CIAC Chairperson

6. Consideration and possible action to schedule additional CIAC special meetings if necessary

Paul Mebane, CIAC Chairperson

FUTURE MEETINGS

7. CIAC Semi-Annual Meeting September 16, 2025 at 9:00 AM

ADJOURNMENT

Requests for City topic needing additional information/research; or, potential consideration for a future agenda

Signature of Agenda Approval: s/ Paul Mebane

Paul Mebane, CIAC Chairman

I, Amanda Valdez, TRMC, Deputy City Secretary, certify that the above Notice of Meeting was posted on the outside bulletin board at the Fair Oaks Ranch City Hall, 7286 Dietz Elkhorn, Fair Oaks Ranch, Texas, and on the City's website www.fairoaksranchtx.org, both places being convenient and readily accessible to the general public at all times

As per Texas Government Code 551.045, said Notice was posted by 9:00 AM, April 5, 2025 and remained so posted continuously for at least 72 hours before said meeting was convened. A quorum of City Council and various boards, committees, and commissions may attend the Capital Improvements Advisory Committee meeting

The Fair Oaks Ranch Police Station is wheelchair accessible at the front main entrance of the building from the parking lot. Requests for special services must be received forty-eight (48) hours prior to the meeting time by calling the City Secretary's office at (210) 698-0900. Braille is not available.

P R E S E N T A T I O N

City of Fair Oaks Ranch

Water and Wastewater Impact Fee Update



CIAC Meeting #2 – April 8, 2025

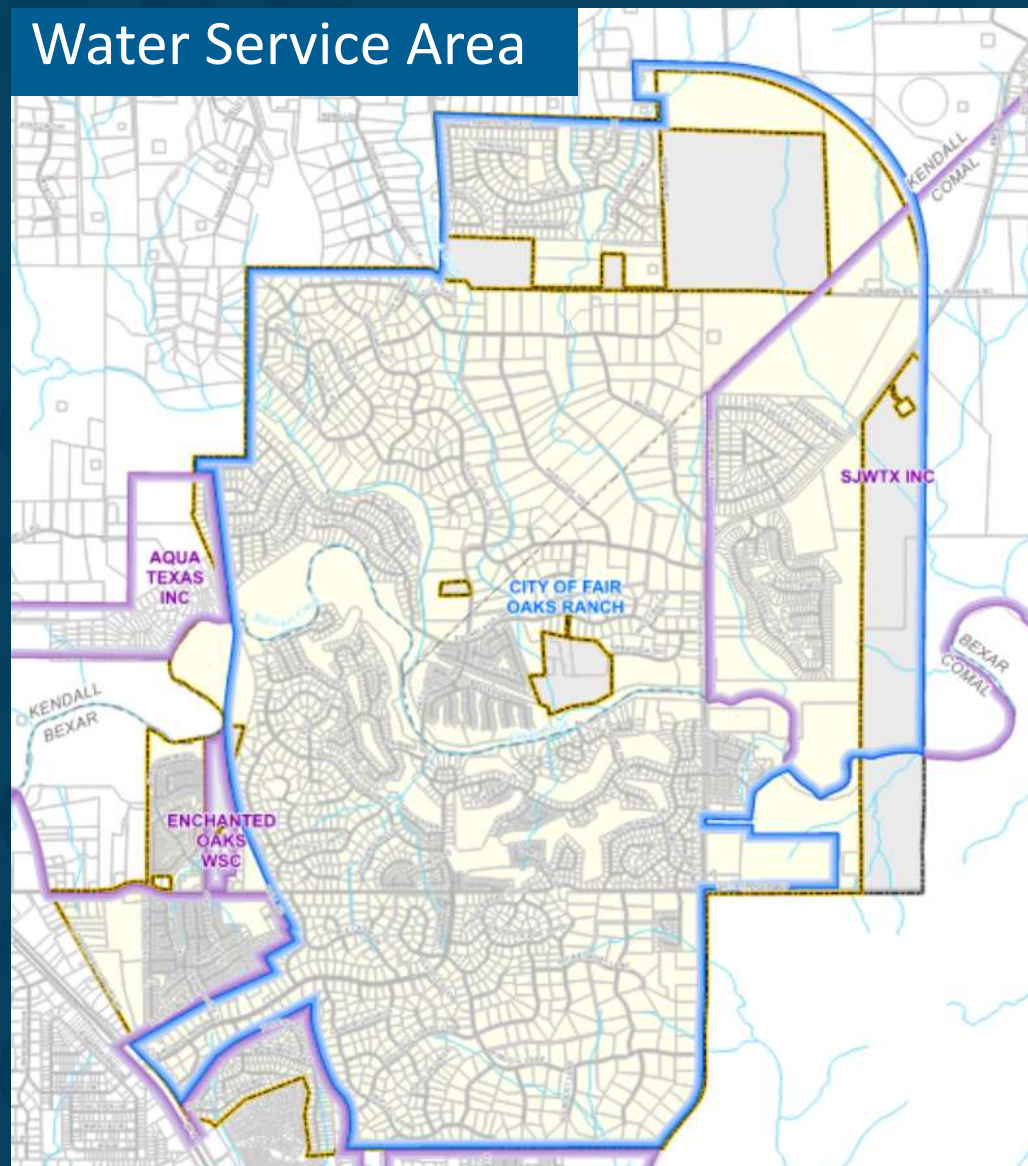
Impact Fee Process

Item #3.

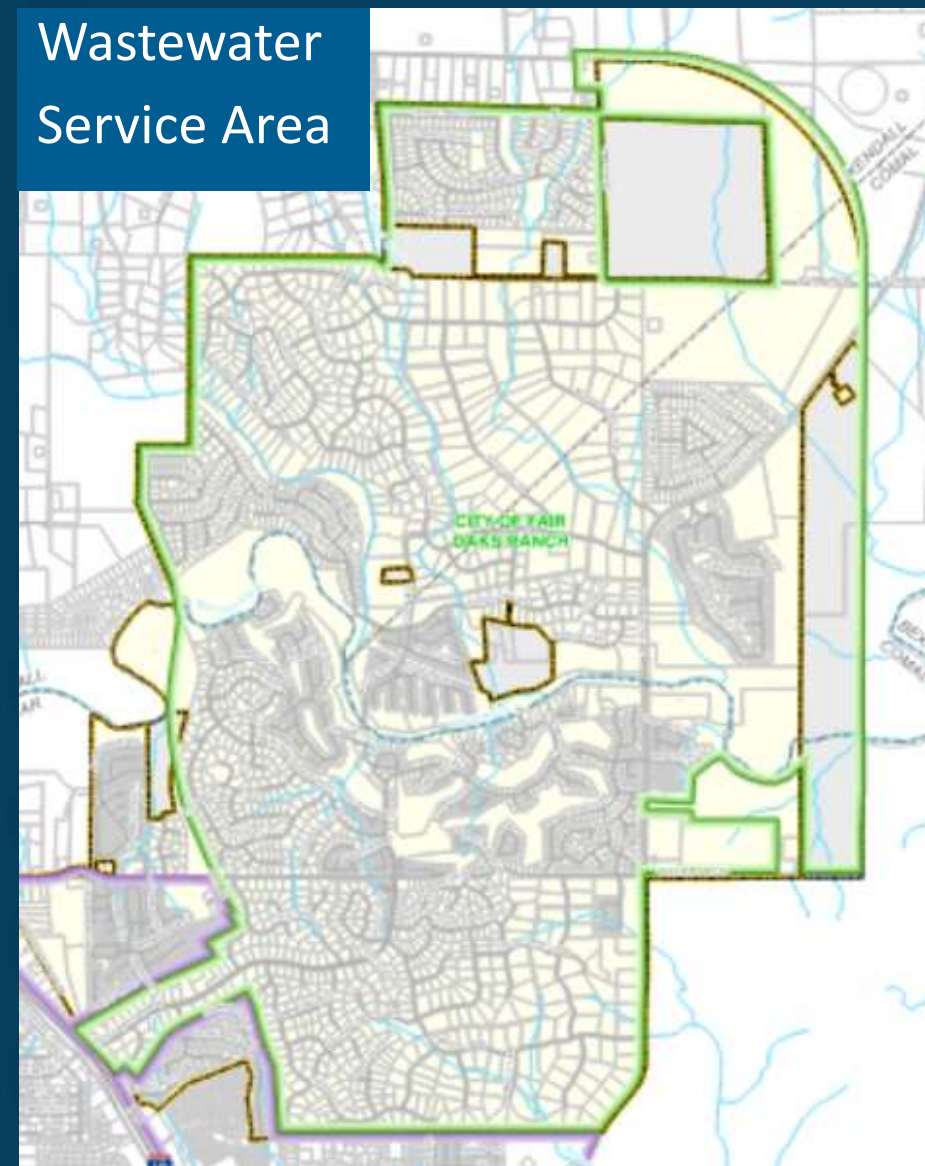


Service Areas

Water Service Area

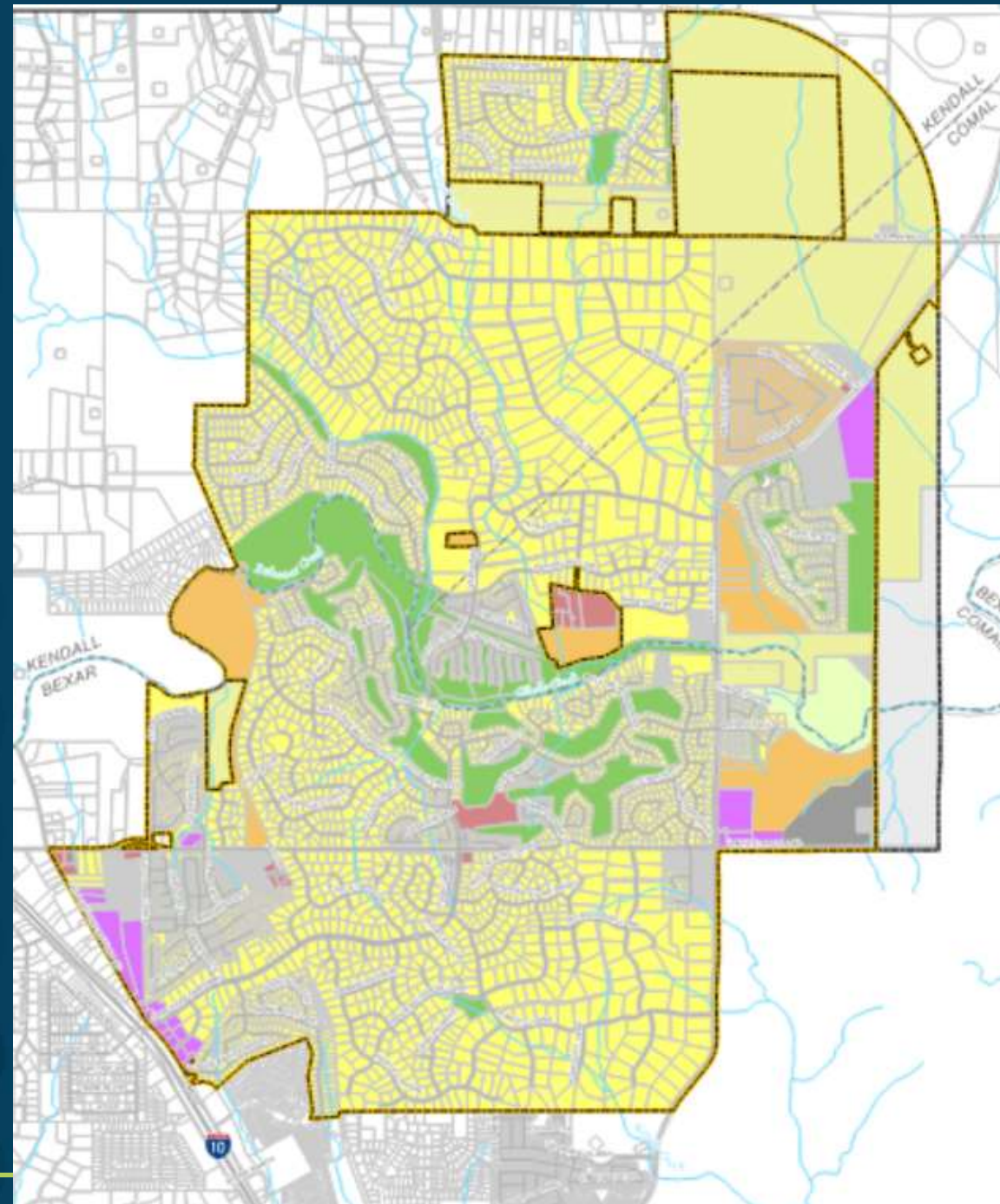


Wastewater Service Area



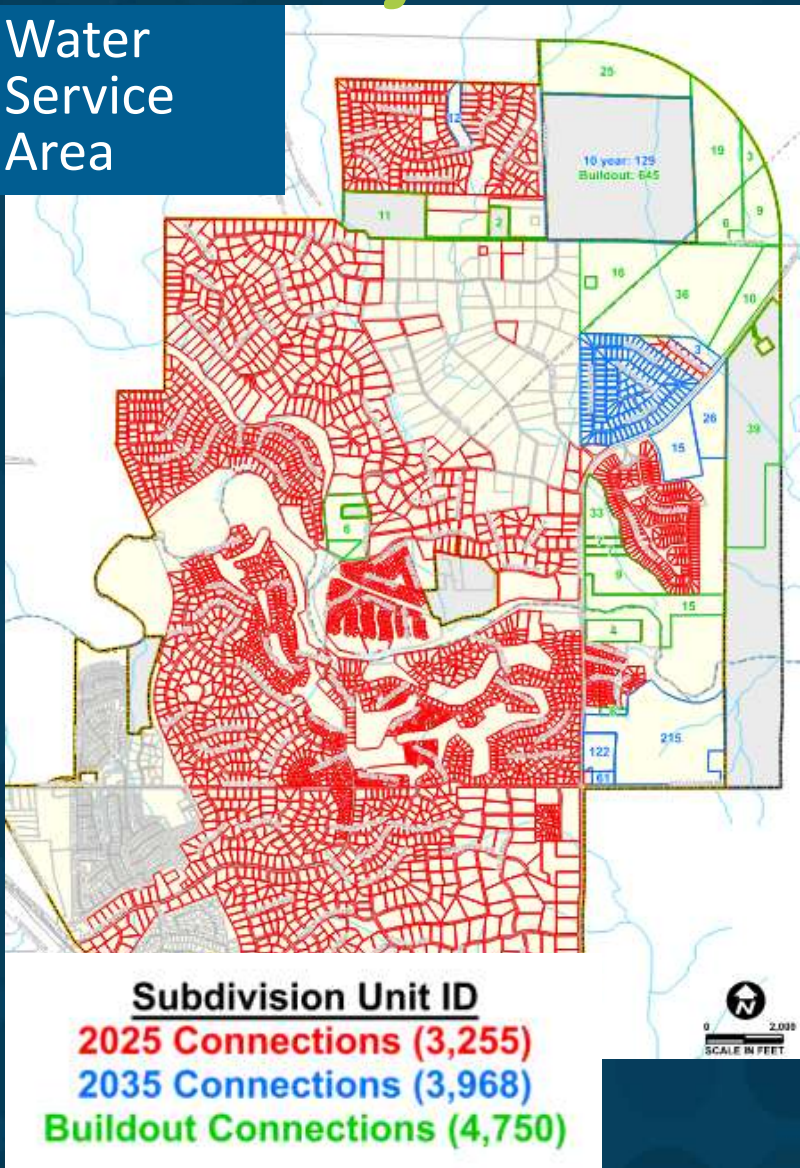
Future Land Use

FUTURE LAND USE

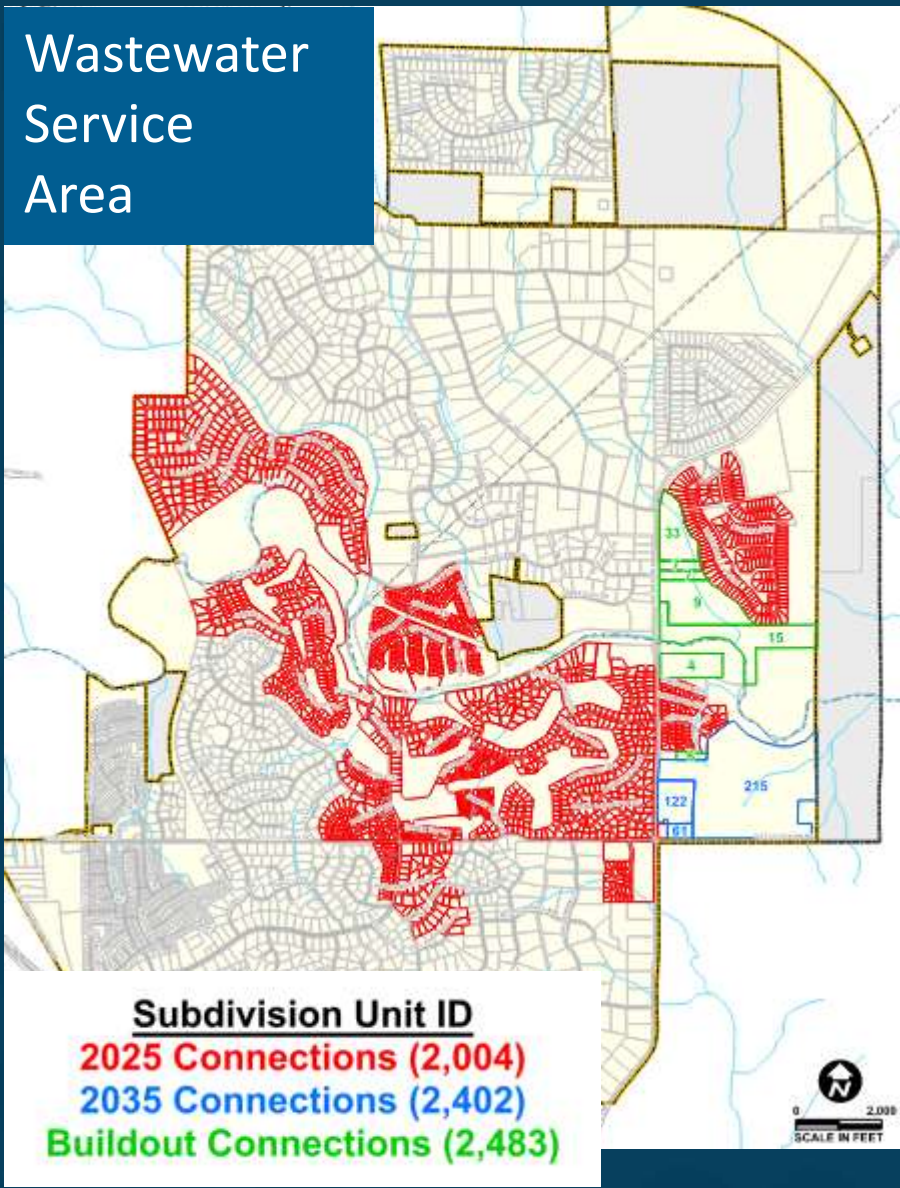


Growth Projections

Water Service Area



Wastewater Service Area



Growth Projections

Year	Water Service Area Connections	Wastewater Service Area Connections
2025	3,255	2,004
2035	3,968	2,402

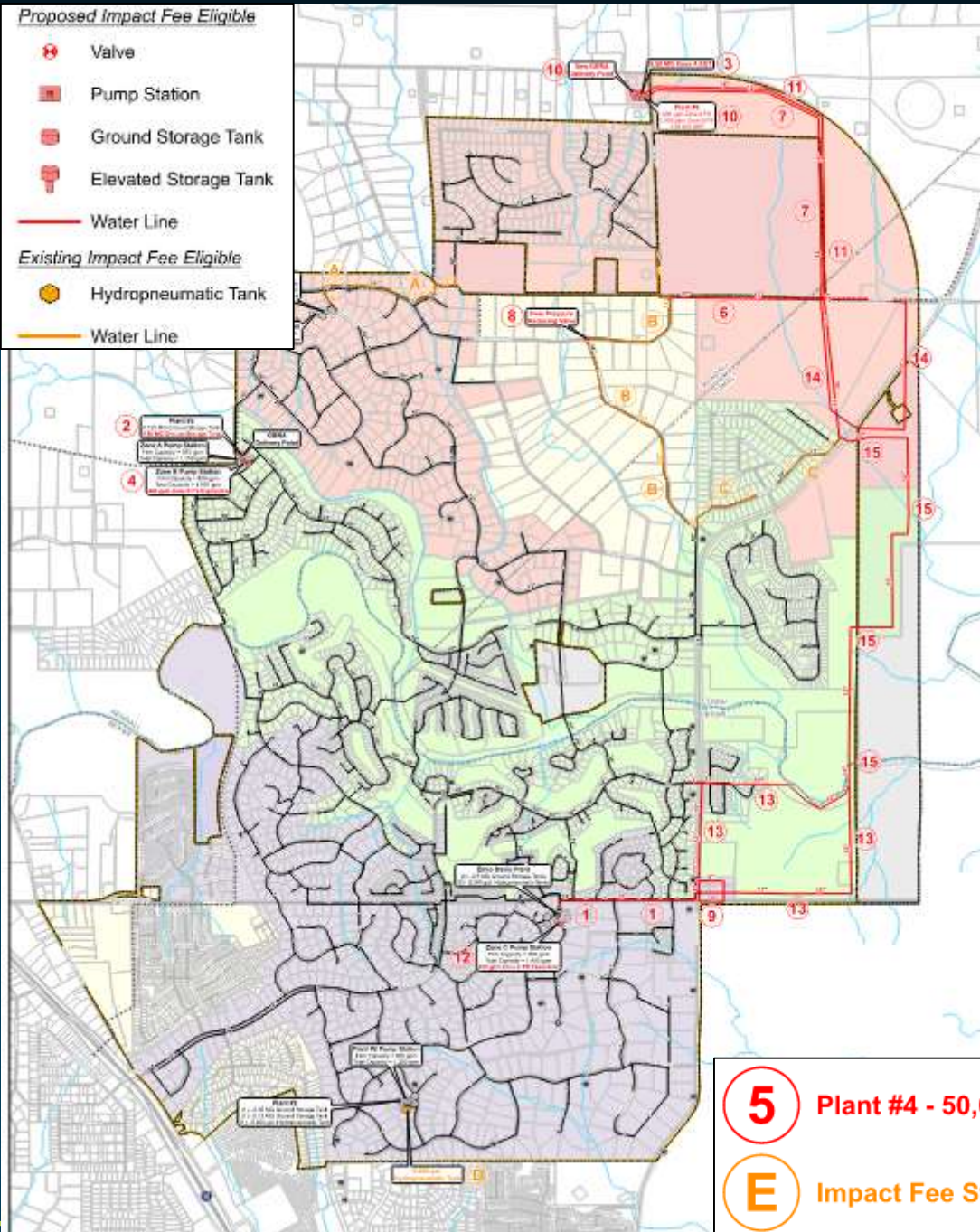
Water Demand Projections

Year	Average Day Demand (MGD)	Maximum Day Demand (MGD)	Peak Hour Demand (MGD)
2025	1.63	4.07	8.14
2035	1.98	4.96	9.92

Wastewater Flow Projections

Year	Average Annual Daily Flow (MGD)	Peak Wet Weather Flow (MGD)
2025	0.32	1.12
2035	0.38	1.35

Water Impact Fee CIP



Wastewater Impact Fee CIP

Item #3.

Proposed Impact Fee Eligible



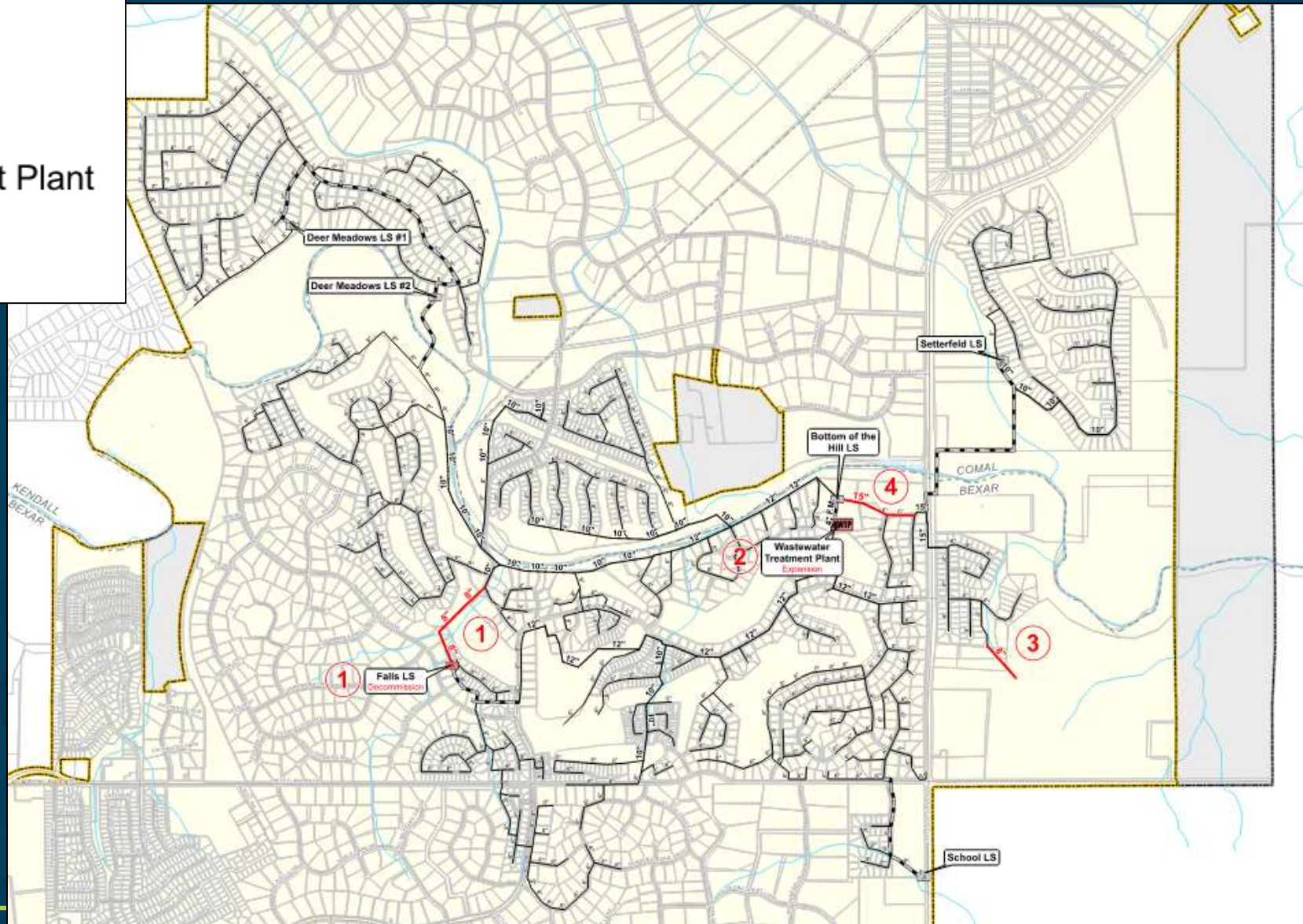
Lift Station



Wastewater Treatment Plant



Gravity Main



Impact Fee Calculation

- Impact Fees Calculated by Dividing Eligible CIP/Growth in Service Units
- For Fair Oaks Ranch, the Service Unit is the Living Unit Equivalent (LUE)
- Credit of 50% for the portion of ad-valorem taxes generated by CIP improvements
- Fee collected can be less than maximum

$$\text{Impact Fee Per Service Unit} = \frac{\text{Eligible CIP Cost}}{\text{New Service Units}}$$

Living Unit Equivalents (LUE)

Meter Size	Type	Maximum Flow (gpm)	Living Unit Equivalent
3/4"	Displacement	25	1.0
1"	Displacement	40	1.6
1 1/2"	Displacement	50	2.0
2"	Compound	160	6.4
3"	Compound	320	12.8
4"	Compound	500	20.0
6"	Compound	1,000	40.0
8"	Compound	1,600	64.0

Water LUE Growth

Item #3.

Meter Size	2025			2035			Growth in LUEs
	Number of Meters ⁽¹⁾	Living Unit Equivalent ⁽²⁾	Total LUEs	Number of Meters	Living Unit Equivalent ⁽²⁾	Total LUEs	
3/4"	2,913	1.0	2,913	3,551	1.0	3,551	638
1"	341	1.6	546	416	1.6	666	120
1 1/2"	0	2.0	0	0	2.0	0	0
2"	0	6.4	0	0	6.4	0	0
3"	1	12.8	13	1	12.8	13	0
4"	0	20.0	0	0	20.0	0	0
6"	0	40.0	0	0	40.0	0	0
8"	0	64.0	0	0	64.0	0	0
Total	3,255	-	3,471	3,968	-	4,229	758

Wastewater LUE Growth

Item #3.

Meter Size	2025			2035			Growth in LUEs
	Number of Meters ⁽¹⁾	Living Unit Equivalent ⁽²⁾	Total LUEs	Number of Meters	Living Unit Equivalent ⁽²⁾	Total LUEs	
3/4"	1,882	1.0	1,882	2,256	1.0	2,256	374
1"	121	1.6	194	145	1.6	232	38
1 1/2"	0	2.0	0	0	2.0	0	0
2"	0	6.4	0	0	6.4	0	0
3"	1	12.8	13	1	12.8	13	0
4"	0	20.0	0	0	20.0	0	0
6"	0	40.0	0	0	40.0	0	0
8"	0	64.0	0	0	64.0	0	0
Total	2,004	-	2,088	2,402	-	2,501	412

Water Impact Fee

Item #3.

	Description of Project	Percent Utilization			Costs Based on 2025 Dollars			
		2025	2035	10-year Utilization	Capital Cost	Financing Cost	Total Project Cost	Impact Fee Eligible Cost
EXISTING ELIGIBLE								
A	12-inch Parallel Along Rolling Acres Trail	40%	48%	8%	\$114,107	\$60,298	\$174,405	\$13,952
B	12-inch Along Meadow Creek Trail	60%	78%	18%	\$24,773	\$13,091	\$37,864	\$6,815
C	12-inch Line Near Meadow Creek Trail and FM 3351	15%	94%	79%	\$936,527	\$494,889	\$1,431,416	\$1,130,819
D	9,000-Gallon Plant #2 Hydropneumatic Tank (Zone C)	93%	100%	7%	\$642,558	\$339,547	\$982,105	\$68,747
E	Impact Fee Study	0%	100%	100%	\$36,000	\$19,023	\$55,023	\$55,023
PROPOSED ELIGIBLE								
1	12-inch Corley Tract Line (Zone B)	20%	94%	74%	\$1,715,600	\$906,575	\$2,622,175	\$1,940,409
2	0.5-MG Plant 5 Ground Storage Tank (Zone A/B)	92%	94%	2%	\$3,300,000	\$1,743,820	\$5,043,820	\$100,876
3	0.5-MG Zone A Elevated Storage Tank (Zone A)	64%	69%	5%	\$8,779,400	\$4,639,300	\$13,418,700	\$670,935
4	400-gpm Plant #5 Zone B Pump Station Expansion and 0.5-MG GST (Zone B)	92%	94%	2%	\$646,400	\$341,577	\$987,977	\$19,760
5	50,000 gallon Ground Storage Tank (Zone C)	95%	100%	5%	\$374,300	\$197,791	\$572,091	\$28,605
6	12-inch West Ammann Road Water Line (Zone A)	0%	48%	48%	\$1,203,900	\$636,177	\$1,840,077	\$883,237
7	16-inch Plant #6 Discharge Water Lines (Zone B)	20%	94%	74%	\$3,812,200	\$2,014,482	\$5,826,682	\$4,311,744
8	Pressure Reducing Valve at Rolling Acres Trail and Meadow Creek Trail (Zone B)	0%	94%	94%	\$132,000	\$69,753	\$201,753	\$189,648
9	8-inch Water Line at Dietz Elkhorn Road and Ralph Fair Road (Zone C)	0%	100%	100%	\$481,600	\$254,492	\$736,092	\$736,092
10	Plant #6 and New GBRA Delivery Point (Zone A/B)	20%	78%	58%	\$11,816,700	\$6,244,302	\$18,061,002	\$10,475,381
11	12-inch Northeast Water Lines (Zone A)	0%	48%	48%	\$3,972,800	\$2,099,348	\$6,072,148	\$2,914,631
12	650-gpm Elmo Davis Pump Station Expansion (Zone C)	95%	100%	5%	\$1,050,300	\$555,010	\$1,605,310	\$80,266
13	12-inch Southeastern Water Lines (Zone B)	20%	94%	74%	\$4,093,100	\$2,162,918	\$6,256,018	\$4,629,453
14	12-inch Northeast Water Lines (Zone A)	0%	10%	10%	\$3,160,100	\$1,669,892	\$4,829,992	\$482,999
15	12-inch ETJ Water Line (Zone B)	20%	75%	55%	\$3,707,900	\$1,959,366	\$5,667,266	\$3,116,997
Total Capital Improvements Cost					\$50,000,265	\$26,421,652	\$76,421,917	\$31,856,390
10-year Growth in LUEs							→	758
Maximum Impact Fee per LUE							→	\$42,027
Maximum Allowable Impact Fee per LUE (50% Credit)							→	\$21,013

* Utilization in 2025 on Proposed Projects indicates a portion of the project that will be used to address deficiencies within the existing system, and therefore are not eligible for impact fee cost recovery for future growth.

** Financing costs calculated assuming a 5% interest rate over a 20-year term.

Wastewater Impact Fee

Item #3.

	Description of Project	Percent Utilization			Costs Based on 2025 Dollars			
		2025	2035	10-year Utilization	Capital Cost	Financing Cost	Total Project Cost	Impact Fee Eligible Cost
EXISTING ELIGIBLE								
A	Impact Fee Study	0%	100%	100%	\$36,000	\$19,023	\$55,023	\$55,023
PROPOSED ELIGIBLE								
1	8-inch Gravity Line and Decommission Falls Lift Station	99%	100%	1%	\$722,400	\$381,738	\$1,104,138	\$11,041
2	Expansion of Wastewater Treatment Plant	0%	100%	100%	\$4,100,000	\$2,166,564	\$6,266,564	\$6,266,564
3	8-inch Gravity Line east of Ralph Fair Road	0%	100%	100%	\$557,100	\$294,388	\$851,488	\$851,488
4	15-inch Gravity Line west of Ralph Fair Road	28%	96%	68%	\$985,000	\$520,504	\$1,505,504	\$1,016,765
Total Capital Improvements Cost					\$6,400,500	\$3,382,218	\$9,782,718	\$8,200,882
10-year Growth in LUEs							→	412
Maximum Impact Fee per LUE							→	\$19,886
Maximum Allowable Impact Fee per LUE (50% Credit)							→	\$9,943

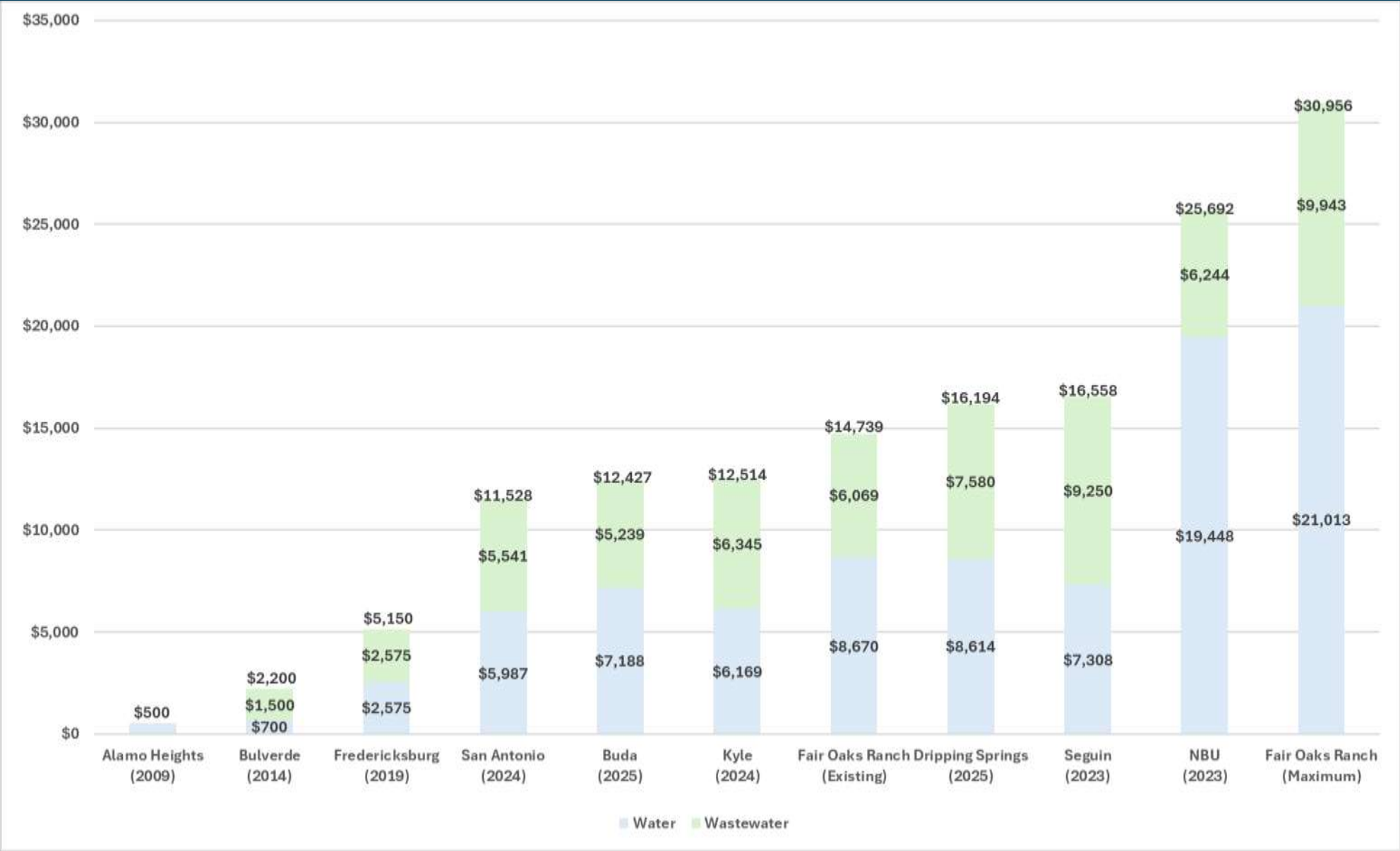
* Utilization in 2025 on Proposed Projects indicates a portion of the project that will be used to address deficiencies within the existing system, and therefore are not eligible for impact fee cost recovery for future growth.

** Financing costs calculated assuming a 5% interest rate over a 20-year term.

Impact Fee Summary

	Water	Wastewater
Total Eligible Impact Fee Costs	\$31,856,390	\$8,200,882
Growth in LUEs	758	412
Maximum Impact Fee per LUE	\$42,027	\$19,886
Maximum Allowable Impact Fee	\$21,013	\$9,943

Benchmarking



Project Schedule

- Resolution to set the Date for the Public Hearing May 1st
- Public Hearing/Ordinance Adoption June 5th

Questions and Discussion

Water and Wastewater Impact Fee Update

