

City of Jacksonville Beach, Florida
Wastewater Treatment Plan
February 2024

Facility and Permit Information:

PERMIT NUMBER: FL0020231

PERMITTEE NAME: Jacksonville Beach, City of
ADDRESS: 1460 A Shetter Avenue
Jacksonville, FL 32250

FACILITY: Jacksonville Beach WWTF
LOCATION: 910 10th Street South
Jacksonville Beach, FL 32250

COUNTY: Duval

A wastewater treatment plan must contain the following information for each existing or proposed domestic wastewater facility in the local government's jurisdiction:

Wastewater Treatment Plant Information:

1. *The facility's permitted capacity in average annual gallons per day:*

COJB WWTF Permitted Average Annual Capacity: 4,500,000 GPD

2. *The facility's permitted TN and TP effluent limits for the facility:*

COJB WWTF Permitted Effluent TN Limit: 46,233.0 lb/year

COJB WWTF Permitted Effluent TP Limit: 21,535.0 lb/year

3. *The annual TN and TP loads (showing both flow and concentrations) discharged from the facility over the past five years, estimated if necessary:*

Year	Flow (Mgal)	TN (lbs)	TP (lbs)
2023	588.369	31,960.6	15,250.41
2022	586.413	26,039.6	8,631.64
2021	906.790	24,941.5	9,893.0
2020	796.631	18,002.4	8,576.6
2019	708.212	15,355.1	8,216.8

4. *A capacity analysis for the facility, considering future growth over the next 20 years:*

Future growth in the City of Jacksonville Beach and within the City's WWTF service area will be primarily from redevelopment and a small amount of in-fill. This growth is expected to be minimal and to not have a significant impact on the City's existing WWTF capacity of the next 20 years. This is supported by the growth analysis in our recent Sewer Master Plan. The flow and population projections are shown in the attached "Appendix A" from the 2021 Sewer Master Plan.

5. *A list and ranking of facility construction, expansion, or upgrades necessary to meet applicable nutrient water quality requirements (for example, to meet nutrient effluent limits in BMAPs and TMDLs, section 403.064(17), Florida Statutes, requirements, or other statutory or regulatory requirements), and the estimated costs of these facility improvements:*

The City is currently meeting our LSJR Main Stem BMAP obligations and additional projects are not required at this time; however, the City has developed a 10-Year Beneficial Reuse Plan to eliminate surface water discharge of treated effluent. Details of the plan are presented in the table below.

10-Year Beneficial Reuse Plan (2023-2032)

Project Alternative	Beneficial Reuse	Estimated Cost	Project Description
Disc Filters	NA	\$2,866,500	Upgrade the existing filtration system at the PCP to support expanded treatment volume.
Jax Bch Golf Club Pond Improvements	.125 MGD	\$519,835	Retrofit the pond system to increase capacity to support increased beneficial reuse.
Jax Bch Golf Club Irrigation System	483 MGD	\$2,229,793	Improve current system to increase irrigation extent.
Reuse Storage Tank	N/A	\$1,500,000	Increase onsite storage to increase available reuse volume.
Reuse Reject Tank	N/A	\$1,500,000	Provide temporary storage for reclaimed water of unacceptable quality.
Offsite Irrigation	495 MGD	\$3,200,000	Expand reuse infrastructure to serve new irrigation.
Subtotal	1.103 MGD	\$10,336,128	
Institutional Reuse then if necessary Potable Reuse	1.5 - 2.5 MGD	\$27-\$120 Million	Provide water for institutional reuse for chillers or irrigation. When necessary, the remaining volume receives full advanced treatment to augment the potable supply.
Beneficial Reuse for the Full Permitted Capacity	4.5 MGD	\$37-\$120 Million	

6. *A projected timeline of the dates by which the construction of any facility improvements, including new/extended sewer lines, will begin and be completed and the date by which operations of the improved facility will begin:*

The City's project timeline for the Beneficial Reuse Plan projects is present in the table below.

10-Year Beneficial Reuse Plan Timeline

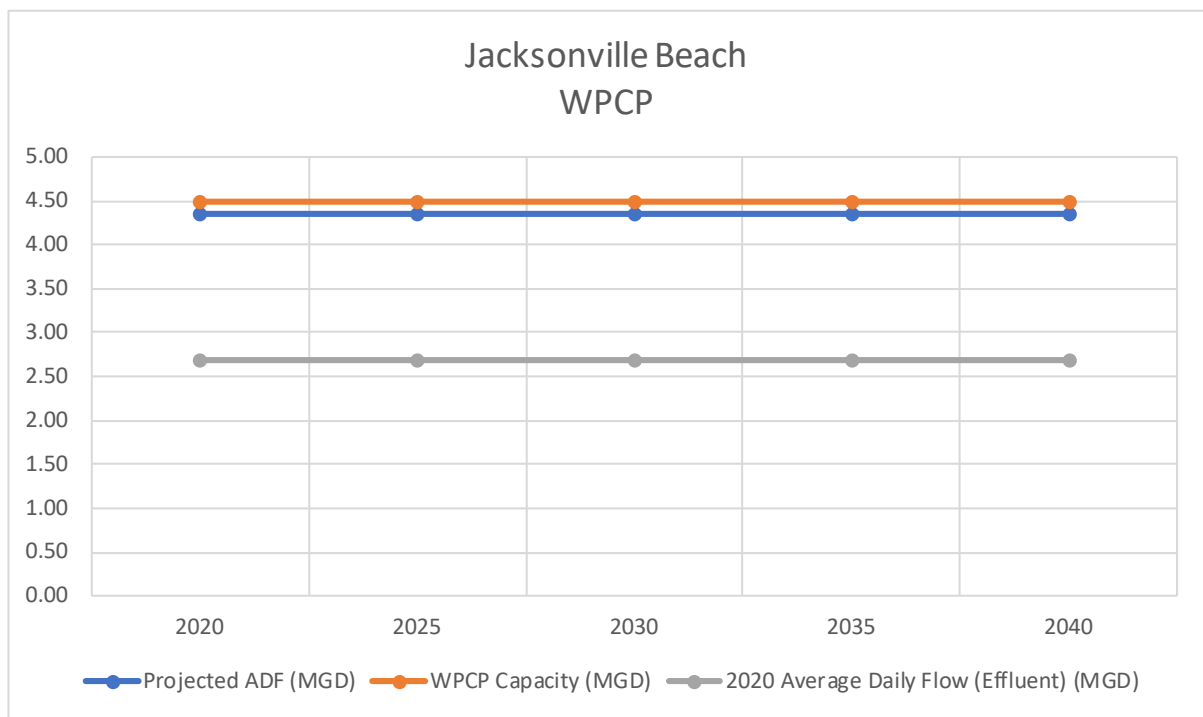
Project Alternative	Design	Construction
Disc Filters	2023-2024	2025
Jax Bch Golf Club Pond Improvements	2023-2024	2025
Jax Bch Golf Club Irrigation System	2023-2024	2025
Reuse Storage Tank	2025	2026
Reuse Reject Tank	2025	2026
Offsite Irrigation	2026-2028	2028-2030
Institutional Reuse then if necessary Potable Reuse	TBD	TBD

Appendix A - Projections

ADF WPCP

Year	Projected ADF (MGD)	WPCP Capacity (MGD)	2020 Average Daily Flow (Effluent) (MGD)
2020	4.34	4.5	2.68
2025	4.34	4.5	2.68
2030	4.34	4.5	2.68
2035	4.34	4.5	2.68
2040	4.34	4.5	2.68

Average from DMR data
for 2020



Projected ADF calculated utilizing a 150 gallons per capita day (gpcd) rate based on the City of Jacksonville Beach 2030 Comprehensive Plan. Calculated per capita rate based on 2.68 ADF mgd is approximately 100 gpcd.

LSB 1 Population Projection

Existing									
Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	0	2.13	0	150	0	0.0	3.53	0.0	Added in Pablo Towers Water Usage Data to ADF (16,154.42 gpd)
Multiple Family Zoning District (RM-1; RM-2)	1,183	2.00	2,366	150	371,054	257.7		909.1	
(C-1; C-2; CS; CBD; CPO, RD)				0	136,240	94.6	1.50	141.9	
(I-1)					5,426	3.8	1.50	5.7	
					Total ADF (gpd)	Total ADF (gpm)		Total PHF (gpm)	
					512,720	356		1,057	

Proposed									
Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	0	2.13	0	150	0	0.0	3.53	0.0	Same as existing
Multiple Family Zoning District (RM-1; RM-2)	1,183	2.00	2,366	150	371,054	257.7		909.1	
(C-1; C-2; CS; CBD; CPO, RD)					136,240	94.6	1.50	141.9	Same as existing
(I-1)					5,426	3.8	1.50	5.7	Same as existing
					Total ADF (gpd)	Total ADF (gpm)		Total PHF (gpm)	
					512,720	356		1,057	

LSB 2 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	915	2.13	1,949	150	292,343	203.0	3.29	667.1	915 points of water meter data has ADF: 128,461 gpd
	Multiple Family Zoning District (RM-1; RM-2)	1,282	2.00	2,564	150	384,600	267.1		877.6	542 points of water meter data has ADF: 148,422 gpd
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	176,104	122.3	1.50	183.4	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						853,047	592			
									Total PHF (gpm)	
									1,728	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	915	2.13	1,949	150	292,343	203.0	3.29	667.1	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)	1,282	2.00	2,564	150	384,600	267.1		877.6	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					176,104	122.3	1.50	183.4	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						853,047	592			
									Total PHF (gpm)	
									1,728	

LSB 3 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	779	2.13	1,659	150	248,891	172.8	3.42	590.6	779 points of water meter data has ADF: 108,862 gpd
	Multiple Family Zoning District (RM-1; RM-2)	777	2.00	1,554	150	233,100	161.9		553.1	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	60,882	42.3	1.50	63.4	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						542,872	377			
								Total PHF (gpm)		
								1,207		

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	783	2.13	1,668	150	250,169	173.7	3.39	589.5	Some empty parcels, therefore +4
	Multiple Family Zoning District (RM-1; RM-2)	877	2.00	1,754	150	263,100	182.7		620.0	3 Empty Lots by the beach, added +100 for it
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					60,882	42.3	1.50	63.4	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						574,150	399			
								Total PHF (gpm)		
								1,273		

LSB 4 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	125	2.13	266	150	39,938	27.7	3.62	100.4	125 points of water meter data has ADF: 20,998 gpd
	Multiple Family Zoning District (RM-1; RM-2)	770	2.00	1,540	150	231,000	160.4		580.7	537 points of water meter data has ADF: 63,293 gpd
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	205	0.1	1.50	0.2	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			Total PHF (gpm)
						271,143	188			681

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	135	2.13	288	150	43,133	30.0	3.61	108.1	Some empty parcels, therefore +10
	Multiple Family Zoning District (RM-1; RM-2)	788	2.00	1,576	150	236,400	164.2		592.6	18 Empty Lots by the beach
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					205	0.1	1.50	0.2	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			Total PHF (gpm)
						279,738	194			701

LSB 5 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	439	2.13	935	150	140,261	97.4	3.82	371.9	439 RES water meter
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	3,323	2.3	1.50	3.5	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						143,584	100			
									Total PHF (gpm)	
									375	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	440	2.13	937	150	140,580	97.6	3.82	372.7	1 undeveloped lot for a home
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					3,323	2.3	1.50	3.5	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						143,903	100			
									Total PHF (gpm)	
									376	

LSB 6 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	152	2.13	324	150	48,564	33.7	4.06	137.1	152 points of water meter data has ADF: 20,657 gpd
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	17,637	12.2	1.50	18.4	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						66,201	46			
									Total PHF (gpm)	
									155	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	152	2.13	324	150	48,564	33.7	4.06	137.1	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					17,637	12.2	1.50	18.4	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						66,201	46			
									Total PHF (gpm)	
									155	

LSB 7 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	75	2.13	160	150	23,963	16.6	3.90	64.9	75 points of water meter data has ADF: 11,093
	Multiple Family Zoning District (RM-1; RM-2)	266	2.00	532	150	79,800	55.4		216.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	17,967	12.5	1.50	18.7	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						121,729	85			
									Total PHF (gpm)	
									300	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	75	2.13	160	150	23,963	16.6	3.90	64.9	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)	266	2.00	532	150	79,800	55.4		216.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					17,967	12.5	1.50	18.7	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						121,729	85			
									Total PHF (gpm)	
									300	

LSB 8 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	251	2.13	535	150	80,195	55.7	3.96	220.5	251 points of water meter data has ADF: 35,370 gpd
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	9,005	6.3	1.50	9.4	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						89,200	62			
									Total PHF (gpm)	
									230	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	251	2.13	535	150	80,195	55.7	3.96	220.5	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					9,005	6.3	1.50	9.4	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						89,200	62			
									Total PHF (gpm)	
									230	

LSB 9 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	457	2.13	973	150	146,012	101.4	3.81	386.1	457 points of water meter data has ADF: 69,391 gpd
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	1,458	1.0	1.50	1.5	
Industrial	(I-1)						0	1.50	0	
						Total ADF (gpd)	Total ADF (gpm)			
						147,469	102			
									Total PHF (gpm)	
									388	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	457	2.13	973	150	146,012	101.4	3.81	386.1	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					1,458	1.0	1.50	1.5	Same as existing
Industrial	(I-1)						0	1.50	0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						147,469	102			
									Total PHF (gpm)	
									388	

LSB 10 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	342	2.13	728	150	109,269	75.9	3.88	294.5	342 points of water meter data has ADF: 48,197 gpd
	Multiple Family Zoning District (RM-1; RM-2)	5	2.00	10	150	1,500	1.0		4.0	16 points of water meter data has ADF: 9,125 gpd
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	31,625	22.0	1.50	32.9	Some zoned MF added here because COM in nature
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						142,394	99			
									Total PHF (gpm)	
									331	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	342	2.13	728	150	109,269	75.9	3.88	294.5	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)	5	2.00	10	150	1,500	1.0		4.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					31,625	22.0	1.50	32.9	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						142,394	99			
									Total PHF (gpm)	
									331	

LSB 11 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	73	2.13	155	150	23,324	16.2	4.19	67.8	72 points of water meter data has ADF: 14,851 gpd
	Multiple Family Zoning District (RM-1; RM-2)		2		150	5,320	3.7		15.5	Pablo Hamlet (Used Water Meter Data)
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	24,426	17.0	1.50	25.4	
Industrial	(I-1)					1,171	0.8	1.50	1.2	
						Total ADF (gpd)	Total ADF (gpm)			
						54,240	38			
									Total PHF (gpm)	
									110	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	75	2.13	160	150	23,963	16.6	4.18	69.6	Two empty parcels, therefore +2
	Multiple Family Zoning District (RM-1; RM-2)		2			5,320	3.7		15.5	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					24,426	17.0	1.50	25.4	Same as existing
Industrial	(I-1)					1,171	0.8	1.50	1.2	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						54,879	38			
									Total PHF (gpm)	
									112	

LSB 12 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	142	2.13	302	150	45,369	31.5	4.08	128.4	142points of water meter data has ADF: 24,212 gpd;
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	992	0.7	1.50	1.0	
Industrial	(I-1)					219	0.2	1.50	0.2	
						Total ADF (gpd)	Total ADF (gpm)			
						46,580	32			
									Total PHF (gpm)	
									130	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	142	2.13	302	150	45,369	31.5	4.08	128.4	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					992	0.7	1.50	1.0	Same as existing
Industrial	(I-1)					219	0.2	1.50	0.2	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						46,580	32			
									Total PHF (gpm)	
									130	

LSB 13 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	113	2.13	241	150	36,104	25.1	4.12	103.2	113 points of water meter data has ADF: 21,088 gpd;
	Multiple Family Zoning District (RM-1; RM-2)	0	2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	10,721	7.4	1.50	11.2	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						46,825	33			
									Total PHF (gpm)	
									114	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	113	2.13	241	150	36,104	25.1	4.12	103.2	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)	0	2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					10,721	7.4	1.50	11.2	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						46,825	33			
									Total PHF (gpm)	
									114	

LSB 14 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	723	2.13	1,540	150	230,999	160.4	3.67	588.9	738 points of water meter data has ADF: 212,766 gpd
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	2,977	2.1	1.50	3.1	
Industrial	(I-1)					88,545	61.5	1.50	92.2	
						Total ADF (gpd)	Total ADF (gpm)			
						322,521	224			
									Total PHF (gpm)	
									684	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	734	2.13	1,563	150	234,513	162.9	3.67	597.1	Some parcels are currently empty and one could be split up into multiple parcels, therefore +11
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					2,977	2.1	1.50	3.1	Same as existing
Industrial	(I-1)					88,545	61.5	1.50	92.2	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						326,035	226			
									Total PHF (gpm)	
									692	

LSB 15 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	26	2.13	55	150	8,307	5.8	4.23	24.4	54 points of water meter data has ADF: 4,793 gpd
	Multiple Family Zoning District (RM-1; RM-2)	29	2.00	58	150	8,700	6.0		25.5	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	73	0.1	1.50	0.1	Church of our Savior
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						17,080	12			
									Total PHF (gpm)	
									50	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	26	2.13	55	150	8,307	5.8	4.23	24.4	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)	29	2.00	58	150	8,700	6.0		25.5	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					73	0.1	1.50	0.1	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						17,080	12			
									Total PHF (gpm)	
									50	

LSB 16 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	179	2.13	381	150	57,191	40	4.03	160.1	179 points of water meter data has ADF: 29,611 gpd
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0		0.0	1.50	0.0	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						57,191	40			
									Total PHF (gpm)	
									160	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3)	179	2.13	381	150	57,191	40	4.03	160.1	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)						0.0	1.50	0.0	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						57,191	40			
									Total PHF (gpm)	
									160	

LSB 17 Population Projection

Existing									
Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Single Family Zoning District (RS-1; RS-2; RS-3)	559	2.13	1,191	150	83,850	58.2	3.75	218.4	Used calculations from LS17 design
Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
(C-1; C-2; CS; CBD; CPO, RD)				0	15,785	11.0	1.50	16.4	Avante Villa
(I-1)						0.0	1.50	0.0	
					Total ADF (gpd)	Total ADF (gpm)		Total PHF (gpm)	
					99,635	69		235	

Proposed									
Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Single Family Zoning District (RS-1; RS-2; RS-3)	559	2.13	1,191	150	83,850	58.2	3.75	218.4	Used calculations from LS17 design
Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
(C-1; C-2; CS; CBD; CPO, RD)					15,785	11.0	1.50	16.4	Same as existing
(I-1)						0.0	1.50	0.0	Same as existing
					Total ADF (gpd)	Total ADF (gpm)		Total PHF (gpm)	
					99,635	69		235	

LSB 18 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	324	2.13	690	150	103,518	71.9	3.90	280.2	317 points of water meter data has ADF: 50,105 gpd - 324 parcels
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0		0.0	1.50	0.0	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						103,518	72			
									Total PHF (gpm)	
									280	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	324	2.13	690	150	103,518	71.9	3.90	280.2	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)						0.0	1.50	0.0	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						103,518	72			
									Total PHF (gpm)	
									280	

LSB 19 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	101	2.13	215	150	32,270	22.4	4.14	92.7	
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0		0.0	1.50	0.0	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						32,270	22			
									Total PHF (gpm)	
									93	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	101	2.13	215	150	32,270	22.4	4.14	92.7	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					0	0.0	1.50	0.0	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						32,270	22			
									Total PHF (gpm)	
									93	

LSB 21 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	0	2.13	0	150	0	0.0	3.85	0.0	# of units estimated using pacels and meter points; 179 points of water meter data has ADF: 37,946 gpd. Valencia Condos ~ 245 units
	Multiple Family Zoning District (RM-1; RM-2)	424	2.00	848	150	127,200	88.3		339.6	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	15,535	10.8	1.50	16.2	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			Total PHF (gpm)
						142,735	99			356

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	0	2.13	0	150	0	0.0	3.85	0.0	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)	424	2.00	848	150	127,200	88.3		339.6	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					15,535	10.8	1.50	16.2	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			Total PHF (gpm)
						142,735	99			356

LSB 23 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	41	2.13	87	150	13,100	9.1	4.26	38.7	38 points of water meter data has ADF: 5,886 gpd - 41 parcels
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0		0.0	1.50	0.0	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						13,100	9			
								Total PHF (gpm)		
								39		

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	42	2.13	89	150	13,419	9.3	4.26	39.7	Parcel in LSB-2 has an extension into LSB-23 that could be a house. +1 House
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)						0.0	1.50	0.0	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						13,419	9			
								Total PHF (gpm)		
								40		

LSB 24 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	128	2.13	273	150	40,896	28.4	4.10	116.3	174 points of water meter data has ADF: 38,895 gpd
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	13,609	9.5	1.50	14.2	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						54,505	38			
									Total PHF (gpm)	
									130	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	133	2.13	283	150	42,494	29.5	4.09	120.7	5 vacant lots
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					13,609	9.5	1.50	14.2	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						56,102	39			
									Total PHF (gpm)	
									135	

LSB 25 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	0	2.13	0	150	0	0.0	3.74	0.0	Villas at Marsh Landing - 195 Units and 418 units for Palms at Marsh Landing
	Multiple Family Zoning District (RM-1; RM-2)	613	2.00	1,226	150	198,952	138.2		516.9	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	6,167	4.3	1.50	6.4	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						205,119	142			
									Total PHF (gpm)	
									523	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	0	2.13	0	150	0	0.0	3.74	0.0	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)	613	2.00	1,226	150	198,952	138.2		516.9	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					6,167	4.3	1.50	6.4	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						205,119	142			
									Total PHF (gpm)	
									523	

LSB 26 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	109	2.13	232	150	34,826	24.2	4.12	99.7	109 points of water meter data has ADF: 15,571 gpd;
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0		0.0	1.50	0.0	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						34,826	24			
									Total PHF (gpm)	
									100	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	112	2.13	239	150	35,784	24.9	4.12	102.4	Two parcels (1 west of park + one on SE corner of 17th St N and 12 Ave N intersection) amounts two 3 potential houses, therefore +3 houses
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)						0.0	1.50	0.0	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						35,784	25			
									Total PHF (gpm)	
									102	

LSB 27 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	158	2.13	337	150	50,481	35.1	4.06	142.2	158 points of water meter data has ADF: 26,052 gpd
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0		0.0	1.50	0.0	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						50,481	35			
								Total PHF (gpm)		
								142		

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	158	2.13	337	150	50,481	35.1	4.06	142.2	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)						0.0	1.50	0.0	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						50,481	35			
								Total PHF (gpm)		
								142		

LSB 28 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	44	2.13	94	150	14,058	9.8	4.25	41.5	44 points of water meter data has ADF: 8,111 gpd
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0		0.0	1.50	0.0	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						14,058	10			
									Total PHF (gpm)	
									42	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	44	2.13	94	150	14,058	9.8	4.25	41.5	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)		2				0.0	1.50	0.0	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						14,058	10			
									Total PHF (gpm)	
									42	

LSB 29 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)		2		150	0	0.0	4.50	0.0	
	Multiple Family Zoning District (RM-1; RM-2)	0	2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	100,394	110	1.50	165	32 points of water meter data has ADF: 25,736 gpd; From Angela's LS29 Calcs
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)		Total PHF (gpm)	
						100,394	110		165	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)		2			0	0.0	4.50	0.0	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)	0	2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					100,394	110	1.50	165	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)		Total PHF (gpm)	
						100,394	110		165	

LSB 30 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)		2.13	0	150	0.00	0.00	4.50	0.00	
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	33	0.0	1.50	0.0	1 point of water meter data has ADF: 33 gpd; Beaches Energy area
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)		Total PHF (gpm)	
						33	0		0.03	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)		2.13	0	150	0.00	0.0	4.50	0.0	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					33	0.0	1.50	0.0	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)		Total PHF (gpm)	
						33	0		0.03	

LSB 33 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	61	2.13	130	150	19,490	13.5	4.21	57.0	57 points of water meter data has ADF: 11,265 gpd - 61 parcels
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0	658	0.5	1.50	0.7	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						20,147	14			
									Total PHF (gpm)	
									58	

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	61	2.13	130	150	19,490	13.5	4.21	57.0	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)					658	0.5	1.50	0.7	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						20,147	14			
									Total PHF (gpm)	
									58	

LSB 35 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)		2.13	0	150	0	0.0	4.14	0.0	105 points of water meter data has ADF: 10,098 gpd
	Multiple Family Zoning District (RM-1; RM-2)	105	2.00	210	150	31,500	21.9		90.6	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0		0.0	1.50	0.0	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						31,500	22			
								Total PHF (gpm)		
								91		

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)		2.13	0	150	0	0.0	4.14	0.0	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)	105	2.00	210	150	31,500	21.9		90.6	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)						0.0	1.50	0.0	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						31,500	22			
								Total PHF (gpm)		
								91		

LSB 37 Population Projection

Existing										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	20	2.13	43	150	6,390	4.4	4.33	19.2	18 points of water meter data has ADF: 4,923 gpd - 20 parcels
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	
Commercial	(C-1; C-2; CS; CBD; CPO, RD)				0		0.0	1.50	0.0	
Industrial	(I-1)						0.0	1.50	0.0	
						Total ADF (gpd)	Total ADF (gpm)			
						6,390	4			
								Total PHF (gpm)		
								19.2		

Proposed										
Type	Zoning	Number of Homes	People Per Home	Total Population	Per Capita	ADF (gpd)	ADF (gpm)	Peak Factor	PHF (gpm)	Notes
Residential	Single Family Zoning District (RS-1; RS-2; RS-3; PUD)	20	2.13	43	150	6,390	4.4	4.33	19.2	Same as existing
	Multiple Family Zoning District (RM-1; RM-2)		2.00	0	150	0	0.0		0.0	Same as existing
Commercial	(C-1; C-2; CS; CBD; CPO, RD)						0.0	1.50	0.0	Same as existing
Industrial	(I-1)						0.0	1.50	0.0	Same as existing
						Total ADF (gpd)	Total ADF (gpm)			
						6,390	4			
								Total PHF (gpm)		
								19.2		