

BLUE LAKE ESTATE SUBDIVISION
FACT SHEET AS OF 09/30/2017

	2017	2016	2015	2014
<u>Total Single Family Residence</u>	Houses/Residents	Houses/Residents	Houses / Residents	Houses / Residents
Full Time Residences (houses) / # of Residents	87 / 185	83 / 177	78 / 146	82 / 162
Non Full Time Residences (houses)	156	164	178	168
Vacant Lots in Blue Lake	111	106	101	104
Inactive Water Meters-Not Billed	1	1	1	1
Inactive Water Meters-Billed	7	7	7	7
Commercial	3	3	3	3
No Charge Accounts-POA Parks, etc.	10	10	10	10
Total # of Homes in Blue Lake	243	247	256	250

Registered Voters Precinct 102	177	146	162
-----------------------------------	-----	-----	-----

Total Number of Lots in Blue Lake	410	<u>AMR Meters Installed</u>
Buildable Lots	74	251- 3/4" 9-1"
Build Out Percentage of Blue Lake	82%	

<u>Water Meters Installed</u>		262	
Water Meters		251	251 Billed
9 - 1 inch meters			
251 - 3/4 inch meters			
Residential	249		249 Billed
Commercial	3		2 Billed
POA Accts	10		Not Billed

<u>No Charge Accounts</u>		10 / Not Billed			
<u>POA Water Consumption</u>		YTD Consumption	2016 Consumption	2015 Consumption	2014 Consumption
1 POA-Blue Lake Entrance-Sprinkler System	217	100,100	123,100	110,900	57,900
1 Devil's Hollow Park	17	165,400	199,600	138,123	179,800
1 Driftwood Park	133	0	200	200	13,500
1 Fire House	59	33,500	13,900	47,500	82,600
1 Golf Club Drip System-not usable	33	0	1,800	0	0
1 Golf Course-7th. Tee	16	100	0	0	0
1 POA Tennis Courts	3	0	0	100	100
1 Wenmohs Park	39	300	1,600	3,700	2,700
1 Golf Club Irrigation Meter (05/2004)	410	89,200	36,000	68,300	7,300
1 POA-Sandy Creek 02/2014-located near the emergency water line - New (2014)	145	2,800	25,700	29,600	11,500
10 Totals		391,400	401,900	398,423	355,400

Water Treatment Capacity-Normal Operating	125 gpm	180,000 gallons per day	Per Tommy Burton
Water Treatment Capacity-Best Case Scenario	155 gpm	223,200 gallons per day	Per Tommy Burton
Water Treatment Capacity-Per CT Study	200 gpm	288,000 gallons per day	
Water Storage Capacity		127,000 gallons	

<u>Water Loss Calculations</u>		YTD - 2017	Total Year - 2016	Total Year - 2015	Total Year - 2014	Total Year - 2013
RVS	Water Distribution System (RVS)					
	Distributed	15,147,000	18,135,100	14,787,000	14,593,569	16,511,569
	Gallons Sold to Customers	12,148,000	15,347,900	12,675,800	13,230,200	15,152,300
	Flushing	162,000	121,000	19,700	59,000	119,183
	Leaks	900,000	500,000	100,000	30,000	0
	HSB Interconnection	-	309,000	1,152,000	0	35,501
	Fire Hydrants / Lift Stations	-	0	0	0	0
	Difference	1,937,000	1,857,200	839,500	1,274,369	1,204,585
	Loss (Gain)%	13%	10%	6%	9%	7%
	# of Gallons Invoiced by LCRA		12,845,263	16,731,966		
	Dates - LCRA Raw Water Meter	YTD - 2017	YTD - 2016	YTD - 2015	YTD - 2014	YTD - 2013

The District has a contract with LCRA for raw water. Effective 09/28/2000 it was increased from 70 acre feet to 87 acre feet. Contract expires Feb. 2028. Current Rate is \$145.00 per acre feet.

<u>Water Loss Calculations</u>		YTD - 2017	Total Year - 2016	Total Year - 2015	Total Year - 2014	Total Year - 2013
RVS Master Meters	Water Plant Loss					
	Raw Water Purchased	16,320,000	18,904,000	16,787,000	15,302,000	17,067,000
	Treated Water Distributed	15,147,000	18,135,100	14,787,000	14,593,569	16,511,569
	Difference	1,173,000	768,900	2,000,000	708,431	555,431
	Loss (Gain)%	7%	4%	12%	5%	3%

Wastewater Treatment Flows	
2017	9,170,000
2016	13,605,000
2015	13,640,000
2004-2014	141,507,000

Utility Rates	Effective 02/25/2014	Effective 12/01/2006
Water-Minimum 3000 gallons-per month	\$ 37.13	\$ 33.75
Water-over 9000 gal. per quarter		\$ 1.50
3,001-10,000 (per 1,000 gallons)	\$ 3.00	
10,001-20,000 (per 1,000 gallons)	\$ 3.10	
20,001-30,000 (per 1,000 gallons)	\$ 3.20	
30,001-40,000 (per 1,000 gallons)	\$ 3.30	
40,001 and over	\$ 3.40	
Sewer per month	\$ 55.64	\$ 46.40
Garbage per month	\$ 19.25	\$ 18.25
Out of District Sewer (DH & SH)	\$ 56.59	\$ 47.20
Out of District Sewage Disposal Only - Trails	\$ 5.40	\$ 4.50
Transfer Fees-Effective 02/25/2014		
Water Only	\$ 100.00	
Water & Sewer	\$ 150.00	
Sewer Only	\$ 100.00	
Other Charges		
Water Tap	\$ 1,500.00	
Sewer Tap	\$ 1,500.00	
Grinder Pump Assy.	Cost & 15%	

Lessor for said nine (9) million gallons whether or not that volume of water is actually used provided that the return system is operational at the quality level specified in Section 17 at least seventy-five (75) percent of the time during any one (1) month period and ninety (90) percent of the time during any calendar year.

<u>Golf Club Return Water</u>	Yearly Flow	Avg. Gallons per Month
Return Water Line Flow (Golf Club/POA)-2017	15,549,000	1,727,667
Return Water Line Flow (Golf Club/POA)-2016	21,089,000	1,757,417
Return Water Line Flow (Golf Club/POA)-2015	19,773,000	1,647,750
Return Water Line Flow (Golf Club/POA)-2014	23,997,000	1,999,750

07/01/2012-New lease between the Golf Club and the POA. There are no charges for the return water as of July 1, 2012.

2014 Savings: \$767.90
2015 Savings: \$632.74
2016 Savings: \$674.85
2017 Savings:

The 3 miles of 8" line running from the City of HSB main sewer plant to the Blue Lake Golf Course

POA/Golf Club Return Water Contract Pricing		
Annual Total Water Usage	Price per 1,000 gallons	
Under 9,000,000 Gallons	\$	0.32
9,000,0001 - 10,000,000	\$	0.27
10,000,000 - 11,000,000	\$	0.23
11,000,001 - 12,000,000	\$	0.16
12,000,0001 -	\$	0.14

The Golf Club has a contract with LCRA for raw water - 12 acre feet per year (0.78 CFS) -10 Year contract:

Sewer-Total Connections on Line (Grinder Pumps)		411
Blue Lake Estates		241
Deerhaven		88
Sandy Harbor		82
The Trails - Disposal Onl		44
		455

TNA Stats							E-1 Grinder Pumps Repaired
# of Mo	Grinder History	Grinder Pump Calls	Grinder Pumps Pulled & Replaced	Minor Repairs on Site or Other Issues	New Grinder Pumps Purchased for Stock		
77	January, 2016	6	2	4	0		1
78	February, 2016	8	6	2	3		3
79	March, 2016	4	3	1	0		3
80	April, 2016	6	4	2	1		1
81	May, 2016	5	3	2	5		0
82	June, 2016	4	2	2	1		0
83	July, 2016	8	7	1	1		6
84	August, 2016	6	4	2	4		3
85	September, 2016	7	5	2	0		1
86	October, 2016	9	4	5	3		2
87	November, 2016	5	4	1	3		0
88	December, 2016	6	4	2	0		0
89	January, 2017	8	8	0	5		1
90	February, 2017	4	1	3	4		2
91	March, 2017	13	7	6	0		0
92	April, 2017	3	2	1	4		0
93	May, 2017	7	5	2	1		5
94	June, 2017	7	4	3	5		0
95	July, 2017	7	4	3	0		3
96	August, 2017	5	5	0	3		4
97	September, 2017	6	3	3	0		1
	Subtotal	311	188	123	102		68
	Average	6	4	3	2		1
# of Mo	Grinder History	Grinder Pumps Pulled & Replaced	Blue Lake Failure	Deerhaven Failure	Sandy Harbor Failure		
77	January, 2016	2	2	0	0		
78	February, 2016	6	3	2	1		
79	March, 2016	3	1	1	1		
80	April, 2016	4	3	0	1		
81	May, 2016	3	2	0	1		
82	June, 2016	4	0	1	1		
83	July, 2016	7	6	0	1		
84	August, 2016	4	2	1	1		
85	September, 2016	5	4	1	0		
86	October, 2016	4	2	2	0		
87	November, 2016	4	3	0	1		
88	December, 2016	4	3	0	1		
89	January, 2017	8	5	3	0		
90	February, 2017	1	1	0	0		
91	March, 2017	7	7	0	0		
92	April, 2017	2	2	0	0		
93	May, 2017	5	4	1	0		
94	June, 2017	4	3	1	0		
95	July, 2017	4	4	0	0		
96	August, 2017	5	3	1	1		
97	September, 2017	3	1	1	1		
	Subtotal	190	130	31	34		
	Average per Month-(49 Months)	4	3	1	1		

2009-2017 TOTALS

<u>Grinder History</u>	<u>Grinder Pump Calls</u>	<u>Grinder Pumps Pulled & Replaced</u>	<u>Minor Repairs on Site or Other Issues</u>	<u>New Grinder Pumps Purchased for Stock</u>	<u>E-1 Grinder Pumps Repaired</u>
PGMS Subtotal (48 mths)	512	312	198	203	
TNA Subtotal (49 mths)	311	188	123	102	68
Average	8	5	3	3	1

<u>Grinder History</u>	<u>Grinder Pumps Pulled & Replaced</u>	<u>Blue Lake Failure</u>	<u>Deerhaven Failure</u>	<u>Sandy Harbor Failure</u>	
PGMS Subtotal (48 mths)	312	204	66	46	
TNA Subtotal (49 mths)	190	130	31	34	
Average per Month--97 Months	5	3	1	1	
# of Sewer Connections	454	241	88	82	Trails: 44
Total Feet of Sewer Main					

<u>Current MUD Tax Information</u>	2017	2016	2015
Certified Assessed Value	\$ 162,320,919	\$ 152,465,419	\$ 151,307,368
Certified Taxable Value	\$ 151,081,810	\$ 143,437,931	\$ 151,048,131
Loss of Revenue Due to Roll Supplements	\$ -	\$ -	\$ -
Certified Roll Values - Total Appraised Value	\$ 162,939,721	\$ 155,306,281	\$ 151,307,368
Certified Roll Values - Total Taxable Value	\$ 151,351,466	\$ 146,278,793	\$ 142,960,623
Number of Parcels	370	373	371
	2017	2016	2015
	Certified	Certified	Certified
	Appraisal Roll per	Appraisal Roll per	Appraisal Roll per
	LCAD	LCAD	LCAD
	\$ 447,705	\$ 429,809	\$ 448,257
<u>Tax Rate Breakdown:</u>	2017	2016	2015
Operating and Maintenance	0.0674	0.0688	0.0965
Road Maintenance	0.0117	0.0056	0.0063
Tax & Debt	0.1170	0.1190	0.1106
Fire & EMS	0.1000	0.1000	0.1000
Total Tax Rate--per \$100.00 valuation	0.2961	0.2934	0.3134
Tax Collections to Date	\$ -	\$ 427,008	\$ 442,752
Percentage of Collections / Outstanding Taxes	0%	99%	99%

<u>Street Lights</u>	59
<u>Fire Hydrants</u>	15 / 7
	3 located on 6" lines, 2 on Blue Lake Drive
	1 on Blue Ridge-12 located on 4" lines
	8 Flush Valves
	7 Dry Fire Hydrants-Installed 03/2003
<u>Fire Coverage</u>	VFD Coverage-ISO Effective Rating 10
	07/01/2001-ISO Effective Rating: 6/9
	05/01/2004-ISO Effective Rating: 4
	09/01/2013-ISO Rating 4
	(Texas Department of Insurance-State Fire Marshall's Office)

<u>Property Changes</u>	<u>Houses</u>	<u>Vacant Lots</u>	<u>Totals for the Yr.</u>
For the Year 1999-2014 (15 years)	189	138	327
For the Year 2015	20	2	22
For the Year 2016	18	2	20
For the Year 2017	20	1	21