

****Change, Updated Slide 3, 6/8/2023****

Sewer Cost Comparisons

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2017 Sewer Technologies – Cost Comparisons

Sewer System Technology	On-lot/ERC*	Total Project Cost/ERC	Annual O&M Cost/ERC	40-Yr Present Worth/ERC
Low Pressure (STEP)	\$7,675	\$13,200 - \$14,250	\$870 - \$980	\$30,740 - \$32,700
Gravity	\$2,258	\$20,000 - \$23,300	\$270 - \$380	\$27,600 - \$30,900
Vacuum	\$2,258	\$13,200 - \$15,000	\$420 - \$540	\$21,100 - \$25,500

Assumptions:

1. * - On-lot costs shown without construction contingency.
2. Average lot frontage is 80 feet
3. At least 350 lots
4. All lots developed
5. Interest: 4%
6. ERC - equivalent residential unit – in Charlotte County this is the flow expected from the average home per day. Water is 225 gpd and Sewer is 190 gpd.

**Actual overall costs = \$13,000 -
\$20,000 all inclusive**

Total project size = 1,900 units
COSTS PER 2017 SEWER MASTER PLAN

2023 Sewer Technologies – Cost Comparisons

Sewer System Technology	On-lot/ERC	Total Project Cost/ERC	Annual O&M Cost/ERC	40-Yr Present Worth/ERC
Low Pressure (STEP)	\$9,750	\$21,500 - \$23,200	\$1,100 - \$1,300	\$48,600 - \$54,000
Gravity	\$4,000	\$32,600 - \$38,000	\$400 - \$500	\$44,200 - \$49,500
Vacuum	\$4,000	\$21,500 - \$24,500	\$500 - \$700	\$33,800 - \$40,800

Cost estimates based on updated unit prices for vacuum and applying the same percentage increase to Gravity and LPS.

Questions?

