

**NOTES FROM 2018 SAW REVIEW**

Current Firm  
Capacity

The design flow is based on full build-out of LAC at 36,973gpd with a peaking factor of 4 and, since I/I is an issue in the City, should be put into the City's sanitary system model to verify capacity of the downstream system. The estimates below are construction cost and contingencies and engineering will be added to the final estimates.

**Post LS Upgrades**

140 gpm Unit Cost

Replace Control Panel & Refurbish	LS	1	\$ 170,000.00	\$ 170,000.00
Replace Force Main	LF	1730	\$ 150.00	\$ 259,500.00
Replace Pumps	EA	2	\$ 30,000.00	\$ 60,000.00
				<b>\$ 489,500.00</b>

The Post LS discharges into an 8" gravity sewer. Assuming minimum slope of 0.4%, the capacity of the gravity line would be adequate but there may be I/I issues as the capacity report says 0-250gpm available so we need to know what the actual number is. Additional flow from LAC at full buildout will be 103gpm peak and current firm capacity is 180gpm so we're assuming a total of 283gpm total is required and this can be accomplished by replacing pumps and the force main.

**Glaser Lift Station Replacement**

300 gpm

Glaser - Full Station Replacement	LS	1	\$ 600,000.00	\$ 600,000.00
Replace FM	LF	545	\$ 150.00	\$ 81,750.00
				<b>\$ 681,750.00</b>

The Glaser LS is in need of full replacement per the SAW report. The flow study states 300gpm firm capacity but the pumps are discharging at 91 and 122gpm and there is no date for the drawdown test. Discharge is into a 12" gravity sewer and, assuming minimum slope of 0.22% capacity should be adequate.

**Industrial LS Upgrades**

180 gpm

Replace Pumps	EA	2	\$ 30,000.00	\$ 60,000.00
Replacements per SAW	LS	1	\$ 50,000.00	\$ 50,000.00
				<b>\$ 110,000.00</b>

Industrial LS is in fair condition. Valves and piping are corroding, possible infiltration. Received scope of planned improvements from City and added new pumps and discharge piping to meet proposed flow.