

Table 11 - Recommended Projects in Priority Order

Priority	Project Name	Objectives	Projected Budget
1	Bay Beach Lane Improvement	Add a new 3,200 feet 12-inch PVC pipe parallel to the exiting 10-inch pipe to improve the area residual pressure under both PHD and PDD + FF conditions.	\$218,000 New Pipe + \$187,088 Appurtenances and Contingency = \$405,088 ≈ \$410,000
2	Buccaneer Lagoon Improvement	Replace the existing 4-inch or smaller pipes (approximate 6,900 feet) with 8-inch PVC pipes to improve fire protections.	\$388,000 New Pipe + \$362,203 Appurtenances and Contingency = \$750,203 ≈ \$750,000
3	Estero Boulevard AC Pipe Improvement	Replace existing 8 and 10-inch AC (asbestos cement) pipes with single, new 12-inch PVC pipe along Estero Boulevard. Replace existing 18-inch AC pipe from Times Square to Avenue C with new PVC pipe. Abandon-in-place existing 2-inch pipe along Estero Boulevard and abandon-in-place the 8, 10, and 18-inch AC pipes. Because the improvement costs are at least 6.7 million dollars, AECOM recommends completing the project in phases.	\$3,632,500 New Pipe + \$3,069,125 Appurtenances and Contingency = \$6,701,625 ≈ \$6,700,000
4	2 and 3-inch Pipe Island Wide Improvement	Replace existing 2 or 3-inch galvanized pipes (total 27,500 feet) with minimum 8-inch PVC pipes. Because the improvement costs about 3.0 million dollars, it might be better to complete it in phases.	\$1,820,000 New Pipe + \$1,095,250 Appurtenances and Contingency = \$2,915,205 ≈ \$3,000,000
5	FMBPWSI Operations Manual	Evaluate and update the FMBPWSI Operations Manual against national standards, the Town's development codes, and pertinent local ordinances.	\$20,000
6	Feasibility Study of Building the Town's Own Water Treatment Plant	The total received potable water from LCU is about 413 million gallon per year, and annual total purchasing cost is about 1 million dollars. AECOM recommends conducting a feasibility study of supplying the water from the Town's own water treatment plant against continuously purchasing water from LCU. The two water supply lines from LCU should remain in case of emergencies.	\$50,000
7	Ground Storage Tank Improvement	Add a 1.0 MG ground storage tank to increase the capacity to continuously supply water to the whole island using North and South Pumping Stations if no water can be provided from LCU.	\$550,000