

**Five Year Capital Improvement Plan 2021-2025**

**Department/Division: Water**

Project Name and Description	Estimated Total Cost					Funding Sources	Funding Sources Amount
	2021	2022	2023	2024	2025		
<b>Valve Machine - Replace</b> Replace 20 year old unit that is no longer dependable.  Engineered By: Consultant Constructed By: Contract Project Type: Replacement of Asset	\$70,000					Water Construction Fund (4303)	\$70,000
<b>Broad Street Water Main - Replace</b> Replace cast iron main and galvanized services with ductile iron main and copper services. Work will be done in conjunction with major street renovations. Design in 2020 with construction in 2022.  Engineered By: Consultant Constructed By: Contract Project Type: Replacement of Asset			\$800,000			Water Construction Fund (4303)	\$800,000
<b>Install VFD on NEMRWF Wells #7 and #8</b> Installation of variable frequency drives (VFD's) on two wells to allow for adjustments of flow to meet actual demand. This will provide for more flexible use of these wells, reduce energy use and improve chemical dosing capabilities.  Engineered By: Consultant Constructed By: Contract Project Type: New Purchase	\$80,000					Water Construction Fund (4303)	\$80,000
<b>Plant Medium Service Station Replacement - Design</b> Replace a vintage booster station to address condition concerns and to assure the ability to meet future capacity in the medium service area.  Engineered By: Consultant Constructed By: Contract Project Type: Replacement of Asset				\$300,000		Water Construction Fund (4303)	\$300,000