

**Town of Nags Head Capital Improvement Program Request Fiscal Years 2018-2019 through 2022-2023**

<b>1. Project:</b>	Eighth Street Generator Transfer Switch	<b>2. Department</b>	Public Works Water Operations	<b>3. Rank</b> (Completed by TM)	
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**4. Project Description**

This project seeks to install an auto-transfer switch on the existing emergency generator at the Eighth Street water plant, replacing manual transfer switch. This will bring generator service up to code.

**5. Type of Project or Acquisition**

<input type="checkbox"/> Replacement	<input type="checkbox"/> New
<input checked="" type="checkbox"/> Renovation	<input type="checkbox"/> Expansion
<input checked="" type="checkbox"/> Equipment	<input type="checkbox"/> Land

**6. Project Justification**

When the generator was originally installed at Eighth Street, the Fresh Pond was in operation. We decided to install a manual transfer switch to control the process of making water. Issues that could occur with the stopping and starting of the Fresh Pond process equipment due to power failures are: damage to equipment, valves may or may not open causing the filters to over flow or go dry, and chemicals may or may not be added in the correct dosage. With the manual transfer switch, there is a greater risk of electrical shock when switching the power from Dominion Power to generator power. Generator power is most needed during inclement weather such as hurricanes, electrical storms, snow storms, etc.

**7. Implementation/Acquisition Schedule**

Project Category	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Beyond 2023
Planning and Design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Land and Land Acquisition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Acquisition	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Miscellaneous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**8. Operating Budget Impact**

	Personnel:	Capital/One Time Costs	Maintenance/ Operating Costs:	Other:	Total:
FY 2019:		\$25,000			\$25,000
FY 2020:			\$1,000		\$1,000
FY 2021:			\$1,000		\$1,000
FY 2022:			\$1,000		\$1,000
FY 2023:			\$1,000		\$1,000
Beyond 2023:			\$1,000		\$1,000

**9. Additional or Alternate Funding Sources**

	FY 2019:	FY 2020:	FY 2021:	FY 2022:	FY 2023:	Beyond 2023:	Total:
Reserve:							\$0
Grants:							\$0
Other:							\$0
Other:							\$0
Other:							\$0
<b>Total:</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0