

# STAFF SUMMARY

Date: February 15, 2018

File # #A-620



TO:		FOR:		FROM:	
X	General Manager		Vote	Dept.: Accounting	
X	Board Members	X	Information	Author: Gerard J. Murphy	
				Subject:	
				Proposed 2018 Capital Budget	

**PURPOSE:** To present the staff's proposed 2018 Capital Budget for the Board's approval.

**BACKGROUND:** Attached please find a copy of the staff's proposed 2018 Capital Budget. As of December 31, 2017, the Authority had approximately \$25,750,000 available for capital projects with no further transfers expected to be made from the Revenue Account to the Replacement Fund or to the Bond Redemption Account during the remainder of 2017. An additional \$18,000,000 from the issuance of bonds or bond anticipation notes will be required to fund the 2018 marine construction associated with Phases 2-2A of the Woods Hole Terminal reconstruction project. During 2018, the staff will also be requesting a transfer from the Bond Redemption Account to the Replacement Fund in an amount currently estimated at approximately \$12,000,000. Commitments for existing projects total \$38,144,000 resulting in \$5,606,000 currently available for future projects.

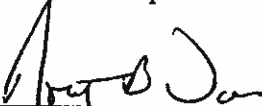
The proposed new capital projects for 2018 total approximately \$2,241,000 including a \$250,000 allowance for miscellaneous projects with an estimated cost between \$5,000 and \$50,000. The proposed new capital projects are listed on page 3 of the attached Capital Budget. If all of the proposed new capital projects are approved it would leave approximately \$3,365,000 remaining for contingencies and/or future projects.

In addition, a new maintenance shop building project request is identified as being contingent upon obtaining additional funding through state and/or federal grants.

The Port Council at their February meeting voted to recommend that the 2018 Capital Budget be adopted as proposed.

**RECOMMENDATION:** That the members vote to recommend adoption of the attached 2018 Capital Budget as proposed.

  
 Gerard J. Murphy  
 Treasurer/Comptroller

APPROVED:   
 Robert B. Davis  
 General Manager

Attachments

WOODS HOLE, MARTHA'S VINEYARD AND NANTUCKET STEAMSHIP AUTHORITY

2018 CAPITAL BUDGET (Proposed)

AS OF 12/31/2017

**FUNDS TO BE PROVIDED FOR CAPITAL PROJECTS**

	AMOUNT AVAILABLE AS OF 12/31/2017	ESTIMATED ADD'L TRANSFERS/DEPOSITS	ESTIMATED AMOUNT NEEDED TO COMPLETE CURRENT AUTHORIZED CAPITAL PROJECTS (FROM PAGE 2)	AMOUNT FOR PROPOSED NEW CAPITAL PROJECTS (FROM PAGE 3)	REMAINING AMOUNT FOR CONTINGENCIES AND / OR FUTURE PROJECTS
<u>FUNDS TO BE PROVIDED:</u>					
Replacement Fund	\$ 8,694,994 ①	\$ 12,000,000 ②③	\$ 17,943,890	\$ 2,241,250	\$ 509,854
Capital Improvement Fund	2,360,790	18,000,000	20,200,000	-	160,790
Bond Redemption Account	14,693,895	(12,000,000) ④	-	-	2,693,895
<b>TOTAL FUNDS TO BE PROVIDED</b>	<b>25,749,679</b>	<b>18,000,000</b>	<b>38,143,890</b>	<b>2,241,250</b>	<b>3,364,539</b>

- ① Net of current commitments or accruals to be paid from the Replacement Fund.
- ② No additional transfers were made from the Revenue Account to the Replacement Fund during 2017.
- ③ No additional transfers were made from the Revenue Account to the Bond Redemption Account during 2017.
- ④ Additional transfer of \$12,000,000 from Bond Redemption Account to Replacement Fund is anticipated to be requested in 2018.

	BOND AUTHORIZATION FOR FUTURE PROJECTS - AS OF 12/31/2017	BOND PRINCIPAL PAYMENT DUE 03/01/2018	BOND / NOTE ISSUE	BOND AUTHORIZATION FOR FUTURE PROJECTS - AS OF 03/01/2018
<u>AVAILABLE BOND AUTHORIZATION:</u>				
Current Authorization	100,000,000			100,000,000
Bonds Outstanding	71,565,000	6,885,000		64,680,000
Bond or Bond Anticipation Notes	-	-	18,000,000	18,000,000
<b>TOTAL AVAILABLE BOND AUTHORIZATION</b>	<b>28,435,000</b>	<b>6,885,000</b>	<b>18,000,000</b>	<b>17,320,000</b>

**ESTIMATED AMOUNT NEEDED TO COMPLETE CURRENT CAPITAL PROJECTS AS OF 12/31/2017**

<u>Project Title</u>	<u>Est. Cost</u>	<u>Amount Paid to Date</u>	<u>Est. Cost to Complete</u>
WH Terminal and Slips Design and Engineering	\$ 6,712,562	\$ 4,355,291	\$ 2,357,271
Woods Hole Temporary Terminal Building	2,713,070	2,606,827	106,243
General Administration Office Building	14,871,167	12,176,719	2,694,448
Woods Hole Terminal Buildings Demolition	155,000	-	155,000
<b>Woods Hole Terminal - Construction Phase 2-2A</b>	<b>18,929,198</b>	<b>-</b>	<b>18,929,198</b>
General Administration Office Building Furniture	582,252	-	582,252
M/V Martha's Vineyard Mid-Life Refurbishment Design & Engineering	450,000	402,859	47,141
M/V Martha's Vineyard Mid-Life Refurbishment	17,942,127	11,023,255	6,918,872
M/V Island Home Bow Thruster Prime Mover Controls (2017)	852,567	0	852,567
M/V Governor Ships Service Diesel Generator Replacement (2017)	1,060,000	0	1,060,000
Accounting Computer System Replacement (2016)	1,250,000	54,714	1,195,286
Stack-Feed Readers for Ticket Counting Section (2016)	50,000	4,225	45,775
Fairhaven Facility Emergency Generator (2016)	302,000	0	302,000
Personal Computer Replacements (2017)	72,000	43,499	28,501
Passenger Ticketing & Access Control (2017)	1,100,000	1,079,845	20,155
Shuttle Bus Replacements (4) (2017)	688,820	0	688,820
Parking Access and Revenue Control System Revenue hardware (2017)	280,000	0	280,000
Replace R-22 HVAC system at Mashpee Reservation Office (2017)	35,000	0	35,000
Canopy to cover Genie Boom & Equipment at the Fairhaven Maintenance Facility (2017)	71,000	0	71,000
MIS Network & Data Center - New Administration Offices (2017)	2,129,000	564,639	1,564,361
Hyannis Upper Parking Lot Improvements	135,000	0	135,000
Miscellaneous Projects less than \$50,000	75,000	0	75,000
<b>TOTAL</b>	<b>\$ 70,455,763</b>	<b>\$ 32,317,873</b>	<b>\$ 38,143,890</b>

**PROPOSED NEW CAPITAL PROJECTS - 2018**

PROJECT TITLE

ESTIMATED COST

PROPOSED CAPITAL PROJECTS TO BE PAID FROM THE REPLACEMENT FUND:

Purchase of Three (3) Luggage Trailers	\$ 18,000
Purchase of Two (2) Power Pushers	22,000
Purchase of One (1) Kubota Utility Vehicle with plow	21,000
Purchase of Two (2) Tow Motors	92,000
Purchase an Automated Passenger Counting System	100,000
Replacement of Four (4) Oil Pollution Response Boats	90,000
Replace Davits on MV Eagle and MV Nantucket	220,000
Fairhaven Paint Room HVAC	20,000
Fairhaven trench drainage/resurface	275,000
Replace R-22 HVAC system at Mashpee Reservation office	30,000
Purchase Rack Body Truck	45,000
Purchase T-250 Van (Plumbing)	32,000
Purchase Facilities Machinist Truck and Trailer	85,250
Web Environment (Admin Office)	535,000
Data Backup Project	236,000
Boarding/Check-in Passenger Loading Hardware Upgrades	170,000
Misc. Projects (less than \$50,000 each)	250,000
<b>Total</b>	<b>\$ 2,241,250</b>

Contingent upon obtaining additional funding in 2018 through State and/or Federal Grants and transfers to the Replacement Fund or the issuance of additional bonds or notes

New Maintenance Shop Building - FSM site	\$ 2,500,000
<b>Total</b>	<b>\$ 2,500,000</b>

CAPITAL IMPROVEMENT PLAN 2018 - 2028

PROJECT TITLE	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	TOTAL
Shuttle Bus Replacements (2) - Woods Hole	\$ 550,000	\$ 575,000	\$ 600,000	\$ 625,000	\$ 650,000	\$ 675,000	\$ 700,000	\$ 725,000	\$ 750,000	\$ 775,000	\$ 6,625,000
Motor Vehicle Replacements	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	750,000
Information Technologies Equipment	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	5,000,000
Reproduction System Computer Hardware	750,000					750,000					1,500,000
Purchase of New (2) Luggage Trailers											18,000
Purchase of New (2) Luggage Trailers											21,000
Purchase of One (1) Kubota Utility Vehicle with Snow											52,000
Purchase of Two (2) Tow Motor											100,000
Purchase an Automated Passenger Counting System											90,000
Replacement of Four (4) Oil Pollution Response Boats											220,000
Replace Devils on MV Eagle and MV Nantucket											20,000
Fairhaven Paint Room HVAC											275,000
Fairhaven trench drains/sewerline											30,000
Replace R-22 HVAC system at Mashpee Reservation office											45,000
Purchase Pack Body Truck											32,000
Purchase 1,250 Van (Plumbing)											85,250
Purchase Facilities Mechanist Truck and Trailer											536,000
Web Environment (Admin Office)											238,000
Ballis Billing (Admin Office)											170,000
Boatyard/Wharf Passenger Loading Hardware Upgrades											170,000
Developers Environment Enhancement											-
Woods Hole Terminal Reconstruction											-
Demolition											-
Phase 2 - Spring											-
Phase 2 - Fall											-
Construction Mgmt, Monitoring & Testing											-
Phase 2A - Spring	3,065,785										3,065,785
Phase 2A - Fall	6,397,190										6,397,190
Phase 3 - Spring	1,165,793										1,165,793
Phase 3 - Fall											-
Phase 4 - Spring	5,351,980										5,351,980
Phase 4 - Fall	4,880,669										4,880,669
Phase 4 - Spring	1,251,941										1,251,941
Phase 4 - Fall			5,881,590								5,881,590
Phase 4 - Spring			1,081,711								1,081,711
Phase 4 - Fall				538,498							538,498
Administrative Offices - Construction											-
Temporary Woods Hole Ticket Office - Construction											-
Woods Hole Ticket Office - Construction					14,000,000						14,000,000
WH Terminal and Sloop Design and Engineering											-
Vessel Replacement - Design and Engineering											-
Vessel Replacement - Construction											-
Misc Projects (\$50,000 or less)	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,750,000
Estimated Amount Needed to Complete Existing Projects											-
Proposed Projects											-
Conditional Projects											-
<b>TOTAL</b>	<b>12,765,748</b>	<b>13,354,200</b>	<b>13,628,301</b>	<b>13,867,498</b>	<b>14,475,000</b>	<b>2,250,000</b>	<b>2,028,000</b>	<b>72,785,382</b>	<b>1,575,000</b>	<b>1,600,000</b>	<b>179,824,379</b>
FUNDS TO BE PROVIDED (ESTIMATE):											
Accounts Available as of 12/31/2017	25,748,679										25,748,679
Balance of Bonds / Notes	18,000,000	9,500,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	98,000,000
Est. Transfers to the Bond Replacement Fund	12,000,000										12,000,000
Est. Transfers to the Bond Retirement Account from Revenue	(38,143,898)										(38,143,898)
Sale of Surplus Property	9,250,000										9,250,000
Est. Additional Transfers to the Replacement Fund - 2018	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	9,250,000
Federal and / or Commonwealth Grants	10,750,000	11,000,000	48,250,000	11,500,000	11,500,000	10,000,000	10,000,000	35,000,000	10,000,000	10,000,000	202,355,789
<b>TOTAL FUNDS TO BE PROVIDED (ESTIMATE)</b>	<b>(2,013,748)</b>	<b>(2,354,200)</b>	<b>(7,358,301)</b>	<b>9,511,502</b>	<b>(3,975,000)</b>	<b>7,750,000</b>	<b>7,975,000</b>	<b>(17,753,382)</b>	<b>8,425,000</b>	<b>8,400,000</b>	<b>202,355,789</b>
(Decrease) / Increase in Funds	12,765,748	13,354,200	13,628,301	13,867,498	14,475,000	2,250,000	2,028,000	72,785,382	1,575,000	1,600,000	179,824,379
ESTIMATED NET FUNDS AVAILABLE											
AVAILABLE BOND AUTHORIZATION (Current)											
Current Authorization	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	100,000,000	1,000,000,000
Outstanding Bonds / Notes	82,680,000	75,535,000	66,398,000	92,402,000	82,492,000	72,080,500	61,174,000	49,727,000	82,703,500	66,023,000	71,565,000
Issuance of New Bonds / Notes	(6,895,000)	(7,420,000)	(7,185,000)	(4,655,000)	(6,070,000)	(5,320,000)	(5,985,000)	(5,870,000)	(4,985,000)	(4,985,000)	(66,420,000)
Retirement of Outstanding Bonds	75,535,000	(1,719,000)	(1,809,000)	(5,075,000)	(5,331,500)	(5,598,500)	(5,862,000)	(6,153,500)	(6,558,500)	(6,850,000)	(50,637,000)
Retirement of New Bonds	86,398,000	(1,719,000)	(1,809,000)	(5,075,000)	(5,331,500)	(5,598,500)	(5,862,000)	(6,153,500)	(6,558,500)	(6,850,000)	(50,637,000)
Outstanding Bonds / Notes - End of Year	24,465,000	33,604,000	27,586,000	17,568,000	21,907,500	35,826,000	30,273,000	17,286,500	33,977,000	47,492,000	27,492,000
REMAINING BOND AUTHORIZATION											

The above schedule makes no provision as to the possibility of receiving additional Federal or Commonwealth grants. The lack of any such grants may necessitate that several projects in Capital Improvement Plan years 2019 thru 2025 to be deferred in order to stay within the State's current bond authorization limit of \$100,000,000.

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Operations Department**

Project Number: OPER2018 - CAP2

Project Priority: 2

Project Title: Purchase of three (3) luggage trailers

Year: 2018

Classification: Essential

Project Description: Replace three (3) luggage trailers with three (3) new luggage trailers.

Justification / ROI: The old luggage trailers are worn out and cannot be repaired.

Impact of Denial: The Authority's ferries and terminal operations will experience significant delays in service and adversely affect the level of customer service being provided to the Authority's customers who bring their luggage on the conventional ferries.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Purchase</i>	<i>Construction</i>
<i>Dollars</i>			\$6,000	
<i>Time</i>				

*Total Project Cost: \$18,000 (\$6,000 for each luggage trailer)*

**Approvals:**

Submitted By: Mark Rozum Date: 12/20/17

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Operations & Accounting Department**

Project Number: OPER2018 - CAP6  
Project Priority: 3  
Project Title: Purchase Two (2) Power Pushers  
Year: 2018  
Classification: Essential  
Project Description: Purchase two power pushers.

Justification / ROI: The power pushers are used to move the baggage carts on to the M/V Iyanough. These devices help the efficiency and improve the safety of the baggage handling operations for the M/V Iyanough. The terminal staff currently hooks up multiple baggage carts to the power pushers and pulls the baggage carts up the transfer bridge on to the M/V Iyanough. The new units have a greater pulling capacity than the existing units.

Impact of Denial: The M/V Iyanough may be delayed without the power pusher units due to all of the baggage carts will have to be moved individually by hand.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Purchase</i>	<i>Construction</i>
<i>Dollars</i>			\$22,000	(11,000 each)
<i>Time</i>				

*Total Project Cost:      \$22,000*

**Approvals:**

Submitted By: Mark Rozum Date: 10/03/17

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Operations Department**

Project Number: OPER2018 - CAP4

Project Priority: 4

Project Title: Purchase Kubota X1100 with Plow

Year: 2018

Classification: Essential

Project Description: Purchase a new Kubota utility vehicle equipped with a plow to replace an existing Kubota used at the various parking lots and terminals.

Justification / ROI: There is a need to replace the worn out Kubota utility vehicle equipped with a plow that was purchased in 2007. The utility vehicle is used to plow snow, sand the parking lots and terminals, transfer trash, tow equipment, move luggage carts and other miscellaneous duties at the parking lot terminal locations.

Impact of Denial: Snow plowing and sanding and other miscellaneous tasks would be adversely affected. This would have a negative impact on the customer experience and safety at the various locations.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Purchase</i>	<i>Construction</i>
<i>Dollars</i>			\$21,000	
<i>Time</i>				
<i>Total Project Cost:</i>		<b>\$21,000</b>		

**Approvals:**

Submitted By: Mark Rozum Date: 9/05/17

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Operations Department**

Project Number: OPER2018 - CAP5  
Project Priority: 5  
Project Title: Purchase of two (2) Tow Motors  
Year: 2018

Classification: Essential

Project Description: Purchase of two (2) Tow Motors.

Justification / ROI: The current fleet of tow motors still has tow motors that are nearly 30 years old. These older tow motors are frequently breaking down and parts are becoming increasingly hard to acquire. This additional tow motor would be assigned to the Hyannis and Nantucket terminals. This would allow for one of the older tow motors to be retired and used for spare parts.

Impact of Denial: The Steamship Authority would have to maintain, use and repair an old fleet of tow motors that have aged beyond a reasonable life span for this type of vehicle. Keeping the aged fleet operational will be timely and costly. Certain trips may not be able to offer luggage carts due to tow motors being unavailable.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Purchase</i>	<i>Construction</i>
<i>Dollars</i>			\$46,000	
<i>Time</i>				

*Total Project Cost: \$92,000 (\$46,000 per tow motor)*

Approvals:

Submitted By: Mark Rozum Date: 9/05/2017

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Operations & Accounting Department**

Project Number: OPER2018 - CAP5  
Project Priority: 6  
Project Title: Purchase an Automated Passenger Counting System (APC)  
Year: 2018  
Classification: Dependent on FTA Funding  
Project Description: Purchase of and Automated Passenger Counting System (APC) for the Steamship Authority's fleet of buses.

Justification / ROI: The Steamship is currently working with the Cape Cod Regional Transportation Authority (CCRTA) to receive Federal Transportation Administration Grant Funding. The level of funding will be based on the amount of commuters the Steamship Authority transports. The APC system will produce more accurate information as well as improve the efficiency of recording the amount of passengers travelling on the shuttle buses. Currently, the Steamship Authority manually counts and records on paper log sheets the number of passengers riding on the shuttle buses.

Impact of Denial: This project is dependent on receiving the FTA funding via the CCRTA. If successful in receiving this funding, the Steamship Authority will need to supply the FTA accurate passenger counts. The APC will improve the accuracy and efficiency of the shuttle bus passenger counts.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Purchase</i>	<i>Construction</i>
<i>Dollars</i>		<i>TBD</i>	<i>TBD</i>	
<i>Time</i>				
<i>Total Project Cost:</i>		<i>\$100,000</i>		

**Approvals:**

Submitted By: Mark Rozum Date: 10/03/17

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Operations Department**

Project Number: OPS2018 - CAP01

Project Priority: 7

Project Title: POLLUTION BOAT REPLACEMENT

Year: 2018

Classification: Essential

Project Description: Replacement of four (4) oil pollution response boats at SSA terminals.

Justification / ROI:

The pollution response boats are in support of the SSA's requirement for pollution prevention/containment/recovery for the USCG Non-Tank Vessel Response Plan. The present pollution boats/motors The boats are nearing their useful life cycle as repairs are becoming more frequent. Industry indicators are these boats are serviceable for approximately 12 years. The replacement boats are an upgrade, will be a more stable platform, incorporate additional safety items as well as improved handling. The proposed boats will be of a larger size, with added power and maneuverability to tow oil boom in a more safe and efficient manner.

Impact of Denial:

Maneuverability, safety of employees and an effective work platform will be compromised continuing to use the smaller boats. The safety of our crews is paramount and providing the proper equipment should be our priority.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Purchase</i>	<i>Construction</i>
<i>Dollars</i>		\$	\$22,500	\$
<i>Time</i>				

*Total Project Cost: \$ 90,000.00 (\$22,500 per pollution boat)*

Approvals:

Submitted By: Greg Gifford Date: 08/22/17

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Engineering & Maintenance Department**

Project Number: E2018-01 CAP  
Project Priority: 1  
Project Title: M/V Eagle and M/V Nantucket Rescue Boat Davit Replacements  
Year: 2018  
Classification: Essential  
Project Description: Replace current davits with new Coastal Marine rescue boat davit.

Justification / ROI: The current davits are manufactured in Europe. Parts are expensive, often are hung up in customs. The replacement davits are made locally in the United States and currently installed on M/V Woods Hole, M/V Governor, M/V Sankaty, M/V Katama, M/V Gay Head and soon to be M/V Martha's Vineyard. The goal is to change each vessel's davit as each vessel undergo their shipyard periods.

Impact of Denial: The current davits are at the end of their useful life and will require costly maintenance. Having one type of davit in the fleet (commonality) ensures proper training and allows us to stock one set of spares. A prolonged period of time where inventory will have to be duplicated because of two types of equipment to do the same job.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>		\$	\$	\$220,000
<i>Time</i>				
<i>Total Project Cost:</i>		<b>\$220,000</b>		

**Approvals:**

Submitted By: \_\_\_\_\_ Date: \_\_\_\_\_

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Engineering & Maintenance Department**

Project Number: E2018-02 CAP  
Project Priority: 2  
Project Title: Fairhaven paint room HVAC  
Year: 2018  
Classification: Essential

Project Description:

Reroute supply and exhaust ductwork in order to redirect airflow across the paint room.

Justification / ROI:

Existing configuration does not maintain proper fresh air flow across the paint room resulting in paint fumes remaining suspended in stagnant air. This poses a potential health risk for SSA Personnel working in the area.

Impact of Denial:

Potential health risk for employees

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>		<i>Completed 2017</i>	<i>\$</i>	<i>\$20,000.00</i>
<i>Time</i>				

*Total Project Cost: \$20,000.00*

Approvals:

Submitted By: Greg Endicott Date: \_\_\_\_\_

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Engineering & Maintenance Department**

Project Number: E2018-03 CAP  
Project Priority: 3  
Project Title: Fairhaven trench drainage/resurface (updated from E2017-1 CAP)  
Year: 2018  
Classification: Essential

Project Description:

Install trench drains around perimeter of the pier at Fairhaven repair facility that discharge through storm sceptor(s) (oil/water separator(s)) before entering the harbor.

Justification / ROI:

Significantly reduces the risk of an environmental incident in which hazardous materials from industrial activities enter the harbor.

Impact of Denial:

Increased risk that hazardous materials enter the harbor with rain run-off. Any accidental discharge of these materials could pose immediate danger to the public and environment. Remediation efforts could far exceed the cost of the project total.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>		\$25,000.00	\$	\$250,000.00
<i>Time</i>				
 <i>Total Project Cost:</i>		<b>\$275,000</b>		

Approvals:

Submitted By: Greg Endicott Date: \_\_\_\_\_

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Engineering and Maintenance Department**

Project Number: E2018-05 CAP  
Project Priority: 4  
Project Title: Replace R-22 HVAC system at Mashpee Reservations

Year: 2018

Classification: ESSENTIAL

Project Description: Replace two of the four existing R-22 HVAC system that serves Mashpee Reservations. Replace with new R-410a system to be specified.

Justification / ROI: Replacement compressors are no longer available for the R-22 systems so the unit cannot be repaired. A window A/C was installed to service the area of the failed unit. As the other units begin to fail (as they are all relatively aged) we will not be able to procure replacement parts.

Current lease at Mashpee Reservations expires June 2018

Impact of Denial: Areas of the reservations office will have no cooling as units fail.

<u>Project Cost Estimates:</u>	<i>Study</i>	<i>Design</i>	<i>Purchase</i>	<i>Construction</i>
<i>Dollars</i>		\$	\$20,000	\$10,000
<i>Time</i>				
<i>Total Project Cost:</i>		<b>\$30,000</b>		

**Approvals:**

Submitted By: Greg Endicott Date: 9/1/18

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Engineering & Maintenance Department**

Project Number: E2018-08 CAP  
Project Priority: 6  
Project Title: Rack-Body Truck  
Year: 2018  
Classification: Essential  
Project Description: Rack-Body truck with lift gate

Justification / ROI: This is a replacement for a 1993, GMC, Rack-Body utility truck in poor condition and 155,205 miles. A Rack-Body with lift gate truck is used for many operations in maintenance such as delivery of new oil, scrap metal, salt bags and large engine parts. Many times and locations a fork lift or certified driver is not available.

Impact of Denial: This Rack-Body with lift Gate truck will service all maintenance trades with the ability to lift and carry heavy loads with or with the need of a fork lift. The Authority does not own any other lift gate vehicles. Deliveries cannot be made without forklift and a licensed forklift operator.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>		\$	\$	\$45,000
<i>Time</i>				

*Total Project Cost: \$45,000*

Approvals:

Submitted By: James Bryant Date: 8/28/17

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Engineering & Maintenance Department**

Project Number: E2018-9 CAP  
Project Priority: 7  
Project Title: Ford T-250 VAN  
Year: 2018  
Classification: Essential  
Project Description: T-250 Plumber Service Van

Justification / ROI: With the maintenance personnel now assigned to the Falmouth maintenance shop, a new T-250 van is required for the plumbing craft. This vehicle will allow the plumbers to respond from Falmouth to the vessels and terminals when plumbing issues arise. The van will be outfitted with the necessary plumbing stock to accomplish most plumbing repairs.

Impact of Denial: The plumbers would not be able to respond with adequate stock in a timely fashion to vessel or terminal issues. When performing maintenance calls to the vessels and terminals the plumbers may not have the essentials to complete the task requiring them to go back to Falmouth maintenance shop for supplies. This delay, due to insufficient supplies, may impact vessel and terminal operations.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>		\$	\$	\$32,000
<i>Time</i>				

*Total Project Cost: \$32,000*

Approvals:

Submitted By: James Bryant Date: 8/28/17

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
Engineering & Maintenance Department**

Project Number: E2018 - 10 CAP

Project Priority: 8

Project Title: Facilities machinist truck and trailer

Year: 2018

Classification: Desirable

Project Description: 2017 Ford 550 XL Chassis Cab with PGND Gooseneck Body and GN20 Trailer

Justification / ROI:

In order to respond to calls in a timely and efficient manner the maintenance staff must have the proper equipment to move personnel, tools, equipment, and assets at a moment's notice.

This truck and trailer gives SSA the capability to transport a substantial amount of equipment that would currently require hiring outside contractors between all of its facilities, i.e.

- the newly purchase shipping containers,
- 30 yd. dumpsters often needed for onsite jobs, specifically transfer bridge repairs and major remodel projects
- All current SSA equipment not capable of road travel, specifically the newly purchase front end loader
- All heavy tools, components, and equipment needed for transfer bridge repairs and overhauls
- Transportation of vessel propellers and shafting to shipyards

The utility body would allow the vehicle to remain stocked with tools and components for typical repairs at all times, creating a mobile machine shop.

Impact of Denial:

Delays in any repair response (property, building, bridge or vessel) could result in disruption of operations, delays in maintenance schedules, and missed trips. The movement of larger equipment would require hiring outside contractors, often on their schedule not ours.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>		\$0.00	\$0.00	\$
<i>Time</i>				

<i>Total Project Cost: Truck and body:</i>	<i>\$59,500</i>
<i>GN20 Trailer:</i>	<i>\$25,750</i>
<i>Total:</i>	<i><b>\$85,250</b></i>

Approvals:

Submitted By: Greg Endicott Date: \_\_\_\_\_

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
MIS Department**

Project Number: 1  
Project Priority: 1  
Project Title: MIS Web Environment - New Administrative Offices  
Year: 2018  
Classification: Essential

Project Description:

This project is for the web environment for servers for the LIVE, test and development platforms, load management services, supporting hardware for various applications that are critical for daily operations. This project also includes subscription services for the web services.

Justification / ROI:

We need to a new web environment for the new Administrative offices. This project was requested last year and due to the volume of MIS requests, we decided to push this request out to 2018. This equipment was initially purchased in stages of 2010, 2011, 2012 and 2013. We currently have extended warranties in place through June 2018.

Impact of Denial:

We will not have a new web environment which supports our online functions relative to website access, online reservations, our e-News platforms, Accommodations programs and various in-house applications. This environment needs to be updated in order to provide expected and on-going reliable services and secure platform.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>		\$	\$	\$
<i>Time</i>				

*Total Project Cost: \$535,000.00*

Approvals:

Submitted By: Mary T. H. Claffey Date: 10/5/2017

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
MIS Department**

Project Number: 2  
Project Priority: 2  
Project Title: MIS Data Backup Project  
Year: 2018  
Classification: Essential

Project Description:

The project will allow for the upgrade of current (1) backup hardware and (2) storage devices in both the MIS department and our off-site location at the Mashpee Reservation Offices. This project also includes software updates, premium hardware and software support for 5 years and annual software fees.

Justification / ROI:

This project was requested last year and due to the volume of MIS requests, we decided to push this request out to 2018 and we had deferred this project from the 2016 Capital Projects. This project will improve our timeliness of the backup processes across our network to avoid operations interruptions and dramatically improve our recovery timelines.

Impact of Denial:

We will not be able to continue to backup our systems or provide access to records in a timely manner without this project.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>		\$	\$	\$
<i>Time</i>				

*Total Project Cost:      \$236,000 - Backup Devices and Storage Hardware  
Backup Hardware 5 Year Support: - \$166,000  
Storage Device Software - \$30,000 (annual fee)*

Approvals:

Submitted By: Mary T. H. Claffey                      Date: 10/5/2017

Approved By: \_\_\_\_\_                      Date: \_\_\_\_\_

**Woods Hole, Martha's Vineyard and Nantucket Steamship Authority  
2018 Capital Expenditure Project Request  
MIS Department**

Project Number: 3  
Project Priority: 3  
Project Title: Boarding/Check-In Passenger Loading Hardware Upgrades  
Year: 2018  
Classification: Essential

Project Description:

The MIS Wireless Upgrade Project will allow for installation of robust hardware and software upgrades to improve our passenger loading areas while using new technology for ticketless passenger travel.

Justification / ROI:

We have added many new features for our customer to travel using mobile devices and support the SkiData platform. We have noted these new features are requiring additional improvements to ensure our customers gain access while using a variety of mobile devices.

Impact of Denial:

We will see slowness for some customers attempting to take advantage of our customer service improvements as we continue to implement features.

Project Cost Estimates:

	<i>Study</i>	<i>Design</i>	<i>Other</i>	<i>Construction</i>
<i>Dollars</i>		\$	\$	\$
<i>Time</i>				

*Total Project Cost: \$170,000.00*

Approvals:

Submitted By: Mary T. H. Claffey Date: 10/5/2017

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_