



Town of Nantucket

Proposed FY2016 Capital Project

Project Title: **Environmental Impact Report**

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Department: **Airport** Contact Person: **Tom Rafter**

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Department Priority: Low Medium **High**

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Funding Amount Requested: \$ 500,000

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Funding Source(s): General Fund State Grant \$25,000

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Enterprise Fund \$25,000 Other (please explain): FAA \$450,000

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Project Description including location and source of cost estimate: This is environmental work that is required prior to implementing various Master Plan related projects. The cost estimate has been provided by the airport's engineering consultant.

Is the request for a new structure or equipment? No

If the request is for replacement or renovation please explain the need. N/A

Provide cost changes (if any) that will/could result from this request i.e. increase or decrease maintenance costs, utilities, personnel etc. N/A

Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure. N/A

If relevant, provide any other justification for the project or equipment. These are regulatory requirements associated with future development.



Town of Nantucket

Proposed FY2016 Capital Project

Project Title: **Paint/Repair Fuel Farm Pipes**

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Department: Airport

Contact Person: Tom Rafter

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Department Priority:

Low

Medium

High

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Funding Amount Requested: \$ 100,000

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Funding Source(s): General Fund

State Grant

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Enterprise Fund \$100,000 Other (please explain):

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**Project Description including location and source of cost estimate:**

These repairs will be on the aviation fuel farm at the airport. The pipes connect tanks and pumps for loading and transfer of fuel. Estimate has been verified with the airport's fuel repair company.

Is the request for a new structure or equipment? No

If the request is for replacement or renovation please explain the need. The piping on the fuel farm is deteriorating and in need of repairs/replacement, specifically the flanges.

Provide cost changes (if any) that will/could result from this request i.e. increase or decrease maintenance costs, utilities, personnel etc. N/A

Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure. N/A

If relevant, provide any other justification for the project or equipment. This is a necessary project to keep the fuel farm in compliance and continue to allow the airport to pump aviation fuel.



Town of Nantucket

Proposed FY2016 Capital Project

Project Title: **GSE Garage Design**

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Department: Airport

Contact Person: Tom Rafter

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Department Priority:

Low

Medium

High

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Funding Amount Requested: \$ 150,000

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Funding Source(s): General Fund

State Grant

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Enterprise Fund \$150,000 Other (please explain):

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Project Description including location and source of cost estimate: This request is for the design of a Ground Storage Equipment (GSE) building. Currently the airport has a small two bay garage to store about eight pieces of equipment, which requires them to store several pieces in various locations/hangars around the airport. The estimate was provided by the airport's engineering consultant.

Is the request for a new structure or equipment? Possibly New structure.

If the request is for replacement or renovation please explain the need. This would be for the expansion or replacement of the existing GSE storage facility.

Provide cost changes (if any) that will/could result from this request i.e. increase or decrease maintenance costs, utilities, personnel etc. This will make the operations department more efficient and be able to provide services in a more timely manner.

Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure. N/A

If relevant, provide any other justification for the project or equipment. This would eliminate the need to store equipment in several locations around the airport property thusly making the staff more efficient.



Town of Nantucket

Proposed FY2016 Capital Project

Project Title: **New Lektro Aircraft Tug**

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Department: Airport

Contact Person: Tom Rafter

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Department Priority:

Low

Medium

High

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Funding Amount Requested: \$ 125,000

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Funding Source(s): General Fund

State Grant

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Enterprise Fund \$125,000 Other (please explain):

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Project Description including location and source of cost estimate: This request is for a new aircraft tug that is used to tow aircraft on the apron. Cost estimate is from the manufacturer of the current tug.

Is the request for a new structure or equipment? Yes

If the request is for replacement or renovation please explain the need. Yes, this is a replacement of an existing aircraft tug that has exceeded its useful life. The present tug will be dedicated to the North Ramp and utilized as a back-up for the South Ramp if needed.

Provide cost changes (if any) that will/could result from this request i.e. increase or decrease maintenance costs, utilities, personnel etc. N/A

Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure. N/A

If relevant, provide any other justification for the project or equipment. Due to the heavy congestion on the aircraft ramp, it is very often necessary to move/relocate aircraft. This is also done to minimize noise impacts on neighbors. By keeping a tug on each side of the airfield (North & South Ramps) response time and safety risks will be minimized by avoiding driving a tug through the commercial airline ramp.



Town of Nantucket

Proposed FY2016 Capital Project

Project Title: '88 Loader Overhaul

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Department: Airport

Contact Person: Tom Rafter

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Department Priority:

Low

Medium

High

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Funding Amount Requested: \$60,000

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Funding Source(s): General Fund

State Grant

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Enterprise Fund: \$60,000 Other (please explain):

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Project Description including location and source of cost estimate: Re-pinning and transmission overhaul of 1988 John Deere Loader. Cost estimate is waiting to be confirmed by dealer.

Is the request for a new structure or equipment? No

If the request is for replacement or renovation please explain the need. By overhauling the transmission and re-pinning the joints, the airport can utilize the use of this equipment for several years to come.

Provide cost changes (if any) that will/could result from this request i.e. increase or decrease maintenance costs, utilities, personnel etc. N/A

Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure. N/A

If relevant, provide any other justification for the project or equipment. Extending the life of loader will enhance the airports ability for personnel to perform tasks associated with snow and earth removal as well as other maintenance tasks in a more efficient manner.



Town of Nantucket

Proposed FY2016 Capital Project

Project Title: **Passenger Stair Truck/Ramp**

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Department: **Airport**

Contact Person: **Tom Rafter**

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Department Priority:

Low

Medium

**High**

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Funding Amount Requested: \$ 85,000

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Funding Source(s): **General Fund**

**State Grant**

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Enterprise Fund \$85,000

Other (please explain):

Project Description including location and source of cost estimate: This is for the purchase of a passenger boarding ramp used to load and unload passengers from aircraft. Currently the airport only has one of these units that is in need of rehabilitation. Having on unit creates a single point of failure that would be critical if the unit were taken out of service.

Is the request for a new structure or equipment? Yes, this would be an additional unit

If the request is for replacement stair or renovation please explain the need.

Provide cost changes (if any) that will/could result from this request i.e. increase or decrease maintenance costs, utilities, personnel etc. N/A

Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure. No direct added revenue, but this will help protect a revenue stream from airline operators.

If relevant, provide any other justification for the project or equipment. At the present time the airport has one loading ramp. There are many times when two or more aircraft are on the apron at the same time. With only one unit, we can only deplane/enplane a single aircraft at a time. Additionally, if this one unit fails, passengers may be trapped on the aircraft or not able to board a flight.



Town of Nantucket

Proposed FY2016 Capital Project

Project Title: **Aircraft Ramp Rehabilitation**

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Department: Airport

Contact Person: Tom Rafter

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Department Priority:

Low

Medium

High

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Funding Amount Requested: \$ 1,012,500

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Funding Source(s): General Fund

State Grant \$50,625

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Enterprise Fund \$50,625

Other (please explain): FAA \$911,250.00

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Project Description including location and source of cost estimate: This project consists of the first phase of ramp rehabilitation in accordance with FAA pavement requirements and the State Pavement Condition Index plan. The estimate has been provided by the airport engineering consultant.

Is the request for a new structure or equipment? No

If the request is for replacement or renovation please explain the need. Renovation/rehabilitation of the aircraft parking apron/ramp. The pavement has far exceeded its useful life and is in need of rehabilitation according to the Mass DOT PCI project.

Provide cost changes (if any) that will/could result from this request i.e. increase or decrease maintenance costs, utilities, personnel etc. This project will reduce maintenance costs (crack sealing), which have previously been funded by MASS DOT.

Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure. N/A

If relevant, provide any other justification for the project or equipment.



Town of Nantucket

Proposed FY2016 Capital Project

Project Title: **FBO Relocation/Site Rehab**

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Department: Airport

Contact Person: Tom Rafter

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Department Priority:

Low

Medium

High

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Funding Amount Requested: \$ 55,000

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Funding Source(s): General Fund

State Grant

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Enterprise Fund \$55,000

Other (please explain):

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Project Description including location and source of cost estimate: This is a request to provide funding for the relocation and site repairs to the old FBO (Flat Roof) building site. The estimate is based on estimates from contractors to relocate other similar buildings.

Is the request for a new structure or equipment? No

If the request is for replacement or renovation please explain the need. This is for removal or relocation. If possible we will try to sell or make a transaction that minimizes cost to the airport.

Provide cost changes (if any) that will/could result from this request i.e. increase or decrease maintenance costs, utilities, personnel etc. N/A

Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure. N/A

If relevant, provide any other justification for the project or equipment. This building will be used by FAA control tower staff during the rehabilitation of the control tower. At that time the Airport Commission will determine the disposition of the building.



Town of Nantucket

Proposed FY2016 Capital Project

Project Title: Airfield High Speed Snow Plow/Blower

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Department: Airport Contact Person: Tom Rafter

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Department Priority: Low Medium **High**

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Funding Amount Requested: \$ 917,000

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Funding Source(s): General Fund State Grant \$45,850

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Enterprise Fund \$45,850 Other (please explain): FAA \$825,300

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Project Description including location and source of cost estimate: This request is to purchase a high speed airfield snow blower with a plow attachment. The cost estimate is from a recent purchase of a similar piece of equipment at another airport.

Is the request for a new structure or equipment? Yes

If the request is for replacement or renovation please explain the need. N/A

Provide cost changes (if any) that will/could result from this request i.e. increase or decrease maintenance costs, utilities, personnel etc. This piece of equipment will allow maintenance staff to remove snow more efficiently and may result in a slight reduction on overtime.

Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure. N/A

If relevant, provide any other justification for the project or equipment. Currently the airport only has one snow blower, which is a critical piece of equipment since all snow must be removed in accordance with the FAA approved plan. The most recent FAA inspection recommended purchase of the piece of equipment. Note: This is the unit that was used to open Milestone Road and Polpis road in the blizzard last year.



Town of Nantucket

Proposed FY2016 Capital Project

Project Title: **Utility Vehicle – Airport Maintenance Dept.**

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Department: **Airport** Contact Person: **Tom Rafter**

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Department Priority: Low Medium **High**

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Funding Amount Requested: \$ 65,000

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Funding Source(s): General Fund State Grant

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Enterprise Fund \$65,000 Other (please explain):

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Project Description including location and source of cost estimate: This is a request to replace a vehicle with a utility truck for airfield maintenance, primarily for airfield lighting maintenance. The source of the estimate is based on a recently purchased vehicle.

Is the request for a new structure or equipment? Yes

If the request is for replacement or renovation please explain the need. Replacement- the current vehicle is not designed for its intended purpose, and has exceeded its useful life.

Provide cost changes (if any) that will/could result from this request i.e. increase or decrease maintenance costs, utilities, personnel etc. N/A

Provide an estimate of revenues (if applicable) gained by this expenditure. Example: Artificial turf field would enable field rental and lower the ground maintenance costs. Include the estimated number of years to pay back this expenditure. N/A

If relevant, provide any other justification for the project or equipment. This vehicle is used by airport maintenance to store parts and supplies for the airfield lighting system that require daily repairs in accordance with FAA requirements.