

August 11, 2021

Martha's Vineyard Land Use Subcommittee  
Attn: Alex Elvin  
The Olde Stone Building  
33 New York Avenue  
Oak Bluffs, MA 02557

Re: Modular Dock Additions  
FedEx Ground  
15 North Line Road  
Edgartown, MA 02539  
VEI# F20-060

The following information is provided in response to comments and observations received by Vortex Engineering from the Martha's Vineyard Land Use Subcommittee.

**Comment:** More detail about how the project will affect the number of vehicles and trips per day on the property, and the number of drivers. Specific growth projections by FedEx or Vortex that

**Response:**

FedEx reports the following: There are presently 13 delivery vans on the island. Since there are currently only 6 dock doors to load vans it is necessary to stage multiple package sorts and loading of vans; this creates inefficiencies and delays in delivery times. June is the peak month for the island; during June, 50% of these vans returned to the station to dispatch a 2<sup>nd</sup> load of deliveries – as indicated by the chart below. FedEx uses a delivery “peak” average, which equates to 13 vans in use for the summer “peak”, with 6 delivery vans returning for a 2<sup>nd</sup> delivery dispatch, equal to 19 total dispatches.

The current facility on Martha's Vineyard has capacity for 6 vans, the expansion plan would provide for a safer and more efficient operation. The company projects growth at about 5% year over year, which is how the number of delivery vans needed was extrapolated in the chart below.

The expansion itself will not immediately increase the needed delivery vans, but 2 – 3 vans may need to be added over the next 5 years to keep up with package growth. The following FedEx Chart depicts the projected growth for this facility.

Martha's Vineyard (MVYD/25)				
	CY	JUNE ADV	Dispatches	Vans
<b>Waves</b> <b>1.5</b>	2021	1,942	19	13
	2022	2,039	21	14
	2023	2,141	21	14
	2024	2,248	22	15
	2025	2,361	23	16

**Comment:** Alternatives to paving the entire area around the new loading dock, including the option of leaving some portions as gravel, to reduce the total impervious surface on the site.

**Response:** A Truck Turn Plan depicting a reduced pavement area is provided with this submittal. This plan depicts gravel drive aisles, rather than asphalt, along the remaining storage units on the south and east.

**Comment:** Description or plan showing the existing drainage system, and any calculations for how the proposed system will handle the new paved area.

**Response:** A Drainage Plan and Engineer's Letter is provided with this submittal.

**Comment:** Any plans by FedEx to convert to electric vehicles, or for charging stations on the site. Does the company have a policy or goals related to electric vehicles?

**Response:** While FedEx currently has no plans for electric vehicles on Martha's Vineyard, they may implement electric vehicles on a case-by-case basis. Martha's Vineyard FedEx drivers are independent contractors; FXG cannot mandate electric vehicle use by these contractors.

**Comment:** Proposed energy sources for the buildings (all-electric is preferred, as outlined in the MVC Energy Policy, which is attached here).

**Response:** The energy source for the new Modular Docks will be all electric and fed from the existing electrical service for the Modular Dock currently in use. The existing transformer which provides service to the existing dock may require upgrades to accommodate the additional 200 Amp service required for the proposed Modular Docks.

**Comment:** Revised lighting plan to show that the lighting fixtures will comply with Dark Sky Association standards, including no more than 3,000 Kelvin for the fixtures.

**Response:** A revised Lighting Plan depicting 3k lighting is provided with this submittal.

On behalf of FedEx Ground, Vortex Engineering respectfully requests that this Commission respond favorably to the FedEx proposal to upgrade delivery capability for their operations on the island of Martha's Vineyard. This project will help to ensure that FedEx Ground will continue to meet the high standards for package delivery and shipment that the residents of your island rely upon.

Upon your review, should you have any questions or require additional information, please do not hesitate to contact me at 970-245-9051. Thank you.

Sincerely,



Robert W. Jones II, P.E.  
Vortex Engineering, Inc.

Cc: File