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# **Logan Airport North Service Area Optimization Project**

Harborview Neighborhood Association  
Monthly Meeting

April 7, 2025

# The North Service Area (NSA) requires new, updated facilities and a better layout to reduce inefficiencies and environmental impacts

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## Why does Massport need to optimize the NSA?

- Existing buildings are 40-60 years old and are inefficiently placed and out-of-date
- Critical operational functions are conducted within buildings that do not meet the requirements of modern maintenance and storage practices
- Land use is congested and inefficient resulting in excessive vehicle trips on public roadways and unnecessary screening at the North Gate
- The existing ramp for GA aircraft parking is not ideal for current operations

## Investing in and optimizing the NSA will:

- Reduce environmental impacts, improve resiliency, and meet net zero goals
- Begin the process of transitioning to a new, zero-emissions bus fleet for Logan Airport
- Provide modern, efficient and sustainable infrastructure while reducing total building SF
- Remove trucks from public roads, reducing truck trips and congestion at the North Gate, enhancing security and reducing emissions
- Consolidate GA aircraft parking ramp for a more efficient operation

# North Service Area





# The NSA houses critical airport functions that ensure safe and efficient airport operations consistent with FAA safety standards and aircraft parking

## Critical Functions in the NSA

- Massport facilities including Maintenance Dept., Electrical Dept., Sign Shop, Central Stock Room, Structural Dept., salt and sand sheds, Wildlife Management, and fueling
- Airfield equipment storage and staging
- Airfield/Airport crew offices, workshops, bunk buildings for snow crews
- Aircraft parking
- Flight kitchens
- Bus storage, cleaning, and light maintenance
- Airline ground support equipment





# North Service Area – Existing Conditions 2025





# Existing facility buildings are in need of replacement and consolidation



Hangar 5



Facilities 3



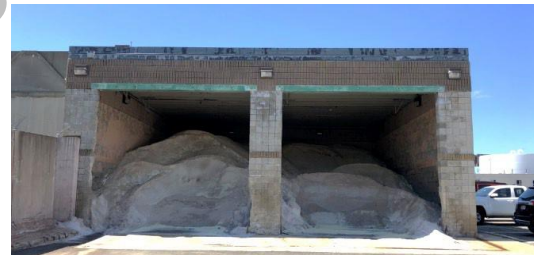
Facilities 2



Central Stock Room



Building 15 – Large Vehicle Storage



Salt Shed



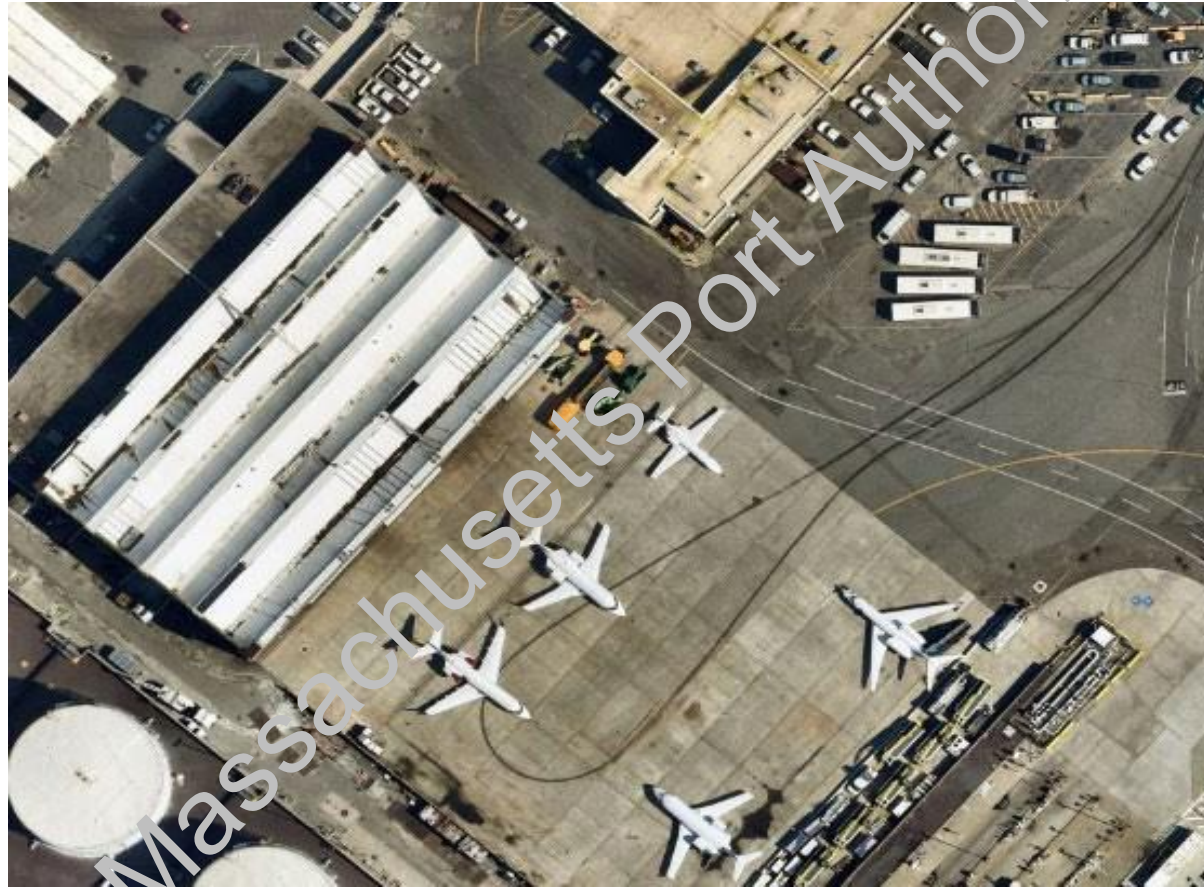
Bunk Trailers



Wildlife Management

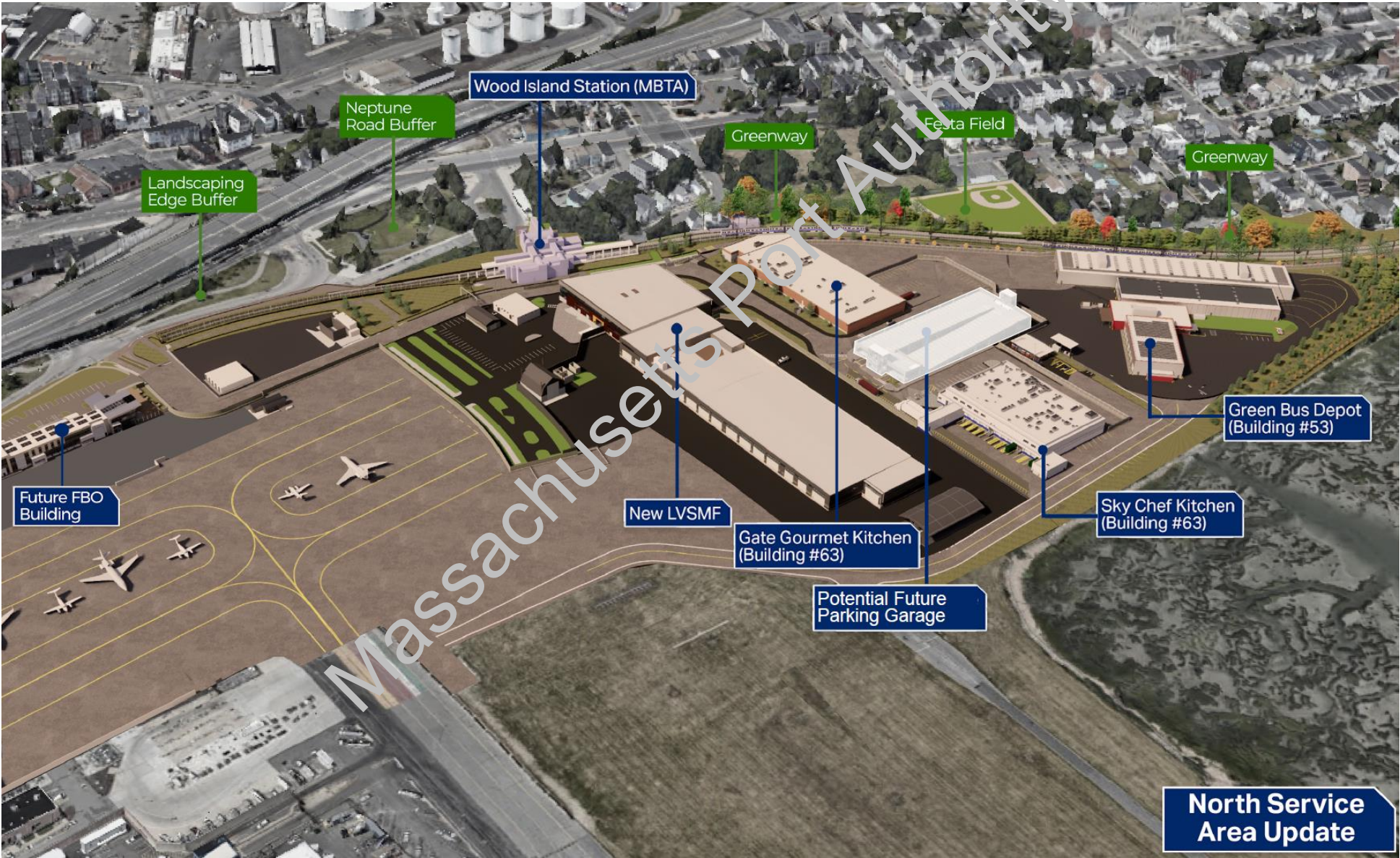
## Current GA aircraft parking is in need of consolidation

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# North Service Area – Future Buildout





# North Service Area – Aerial Image A





# North Service Area – Aerial Image B





# The NSA optimization project will include net zero elements, reduce emissions, enhance resiliency, and beautify the Greenway

- Consolidated facilities will be up to 30-40% more energy efficient than the current buildings
- Construction of a coastal flood berm will provide additional protection from storm surge
- New facilities will be LEED certified, fully electrified, including solar panels
- Removing nearly 150,000 annual truck trips from public roads will reduce vehicle miles traveled by 48,000/year and associated emissions and enhance security
- Greenway will be improved with new and enhanced landscaping and beautification measures
- New buildings will serve as additional buffers from airfield operations

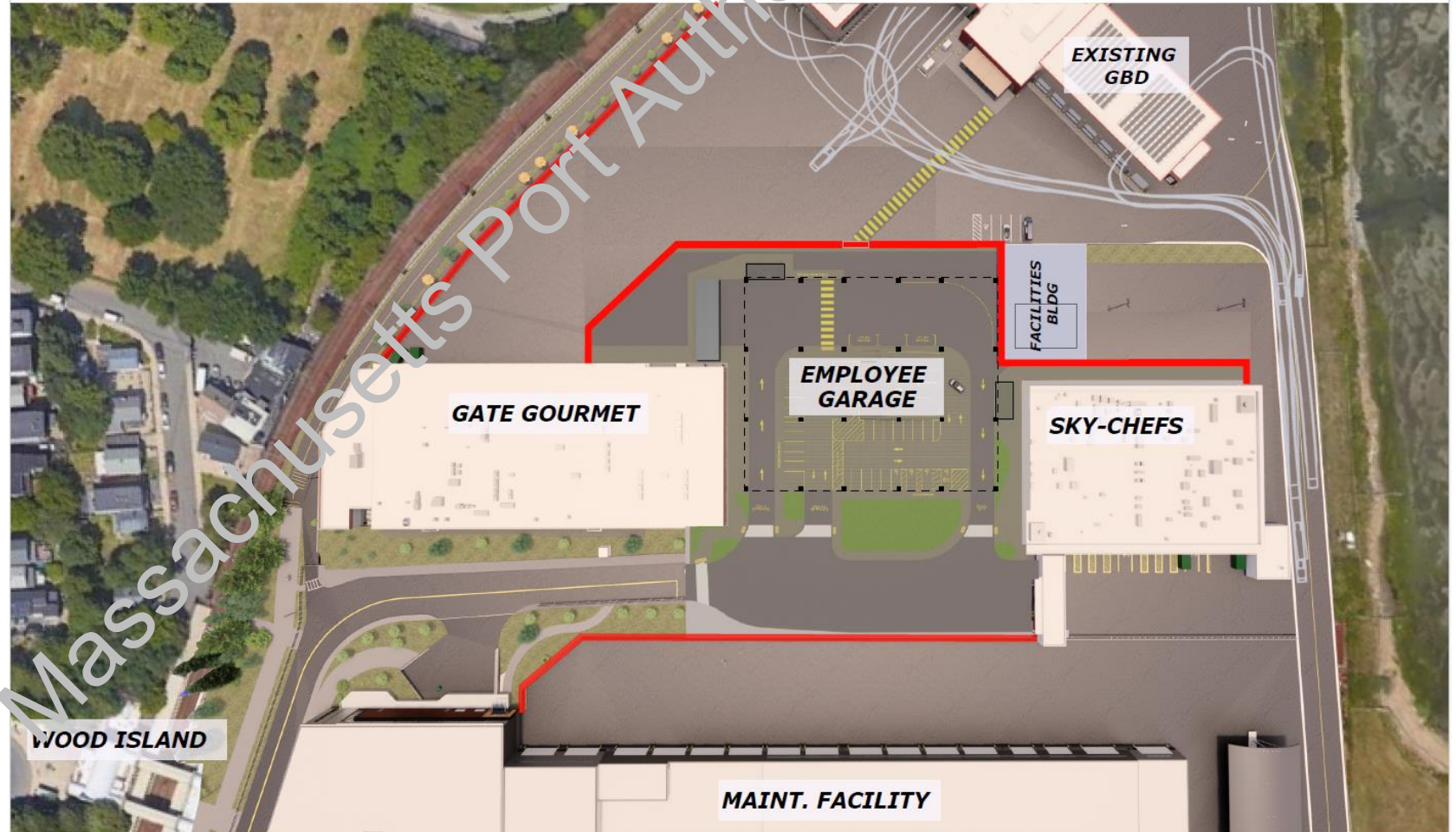




# Potential NSA Employee Parking Garage & Fleet Vehicle Roadway

- Potential future 3 story parking facility
- Consolidation of 300+ parking spaces; no additional spaces
- Soft-edging on area facing the neighborhood
- EV charging

## GBD - EMPLOYEE GARAGE COMMUNITY MEETING





## Next Steps

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- The NSA project has been previewed in the Logan Airport EDR/ESPR public processes:
  - 2017 ESPR
  - 2018/2019 EDR
  - 2020/2021 EDR
  - 2022 ESPR
- Public outreach: Spring 2025
- Permitting: Spring-Summer 2025 (Federal, State & Local)
- Phased construction anticipated to begin in winter 2025/2026
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*Thank You*

*Questions & Answers*