



NET ZERO BY 2031

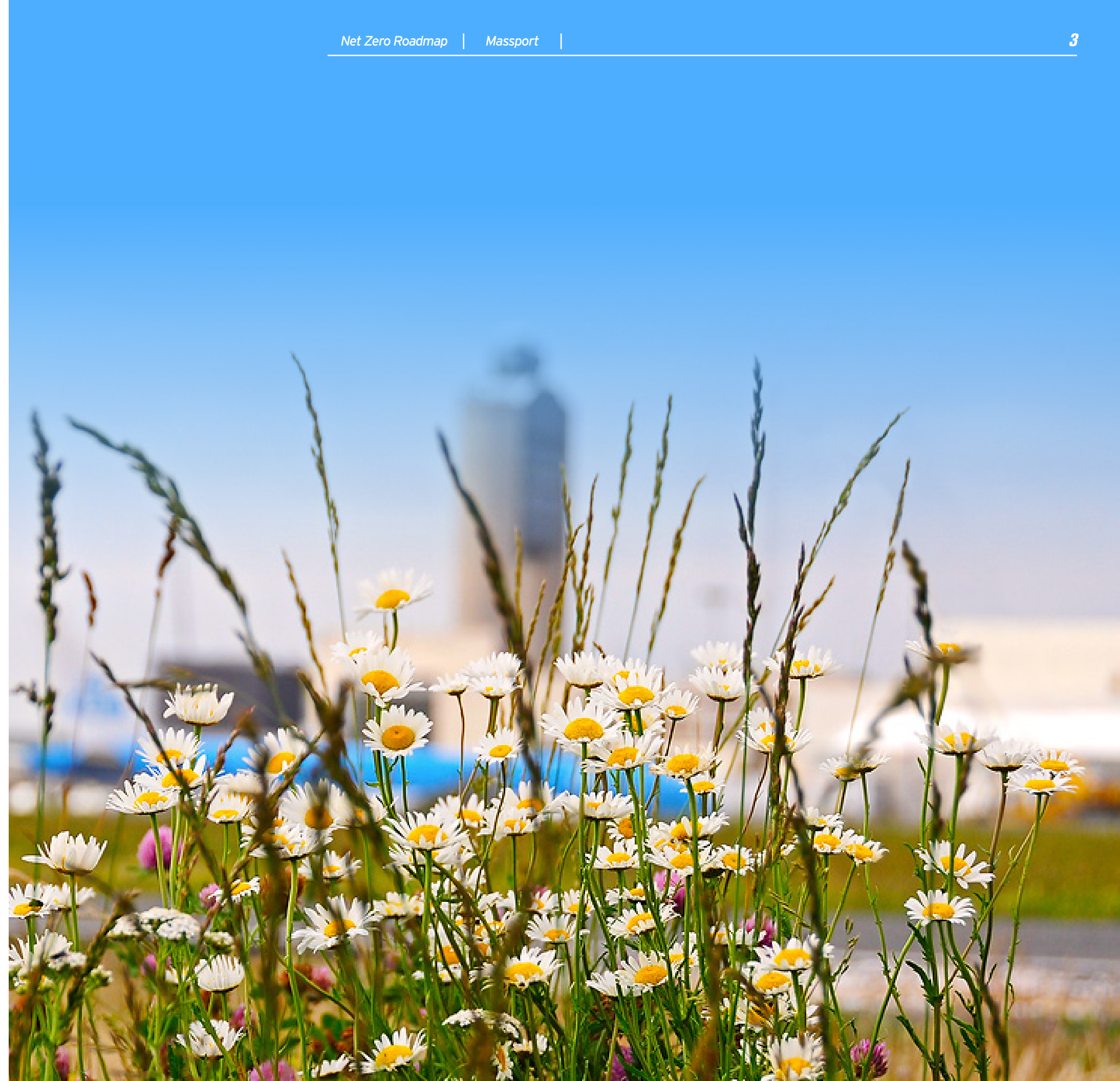
POWERING WHAT'S POSSIBLE™



Massport is committed to reducing greenhouse gas emissions

After Massport's years of industry leadership through continuous improvement in operational efficiency and environmental stewardship, it has become clear that more must be done to address climate change.

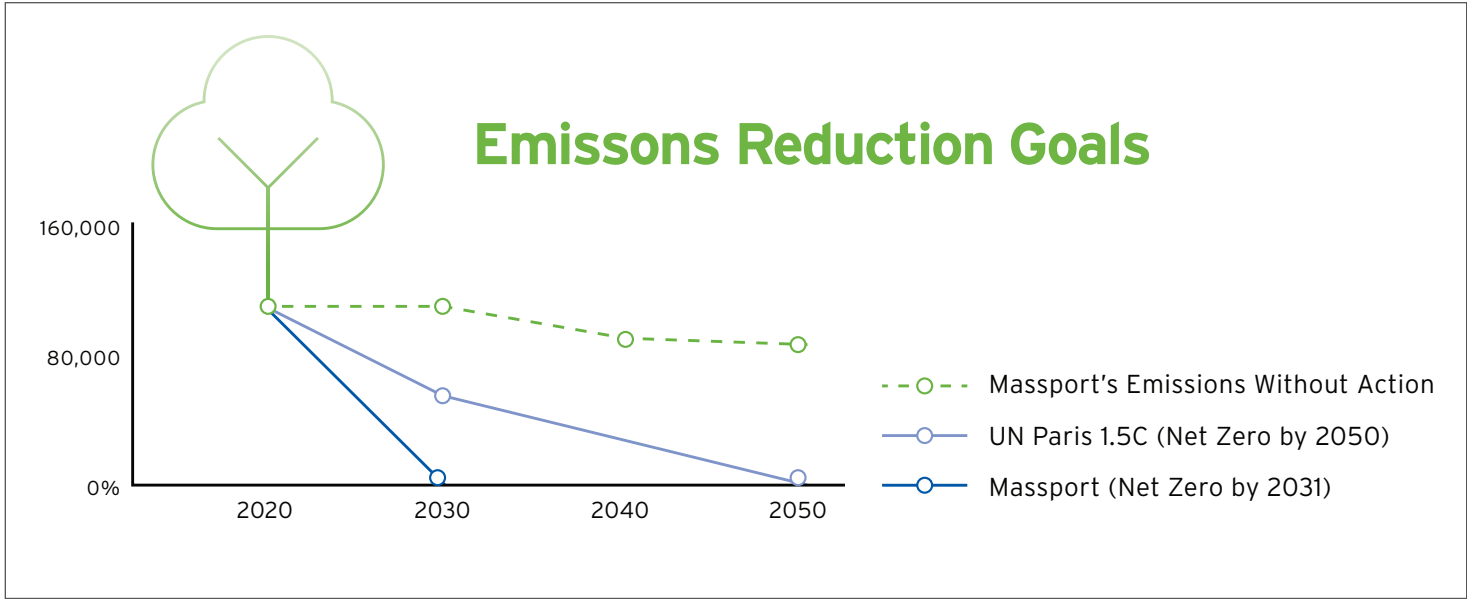
This plan of action will serve the Commonwealth, protecting Massport's role as an essential economic engine for Massachusetts and New England and improving the quality of life in neighboring communities.



An aggressive solution that invests in sustainable infrastructure and operations

Massport’s goal is to achieve Net Zero greenhouse gas emissions by 2031, which means that Massport would achieve this milestone nearly two decades ahead of the 2050 deadline targeted by many organizations. The year 2031 will also be the 75th anniversary of the establishment of the Authority. What better way to celebrate than addressing climate change head-on?

In addition to reducing the Authority’s emissions to Net Zero, the plan inspires and encourages the efforts and innovations of others. It protects the connection the Authority provides linking Massachusetts and New England to the wider world. It strengthens and deepens the role it plays as a regional economic engine. And it is directly aimed at reducing impacts on our neighboring communities.





Eliminating Massport's greenhouse gas emissions

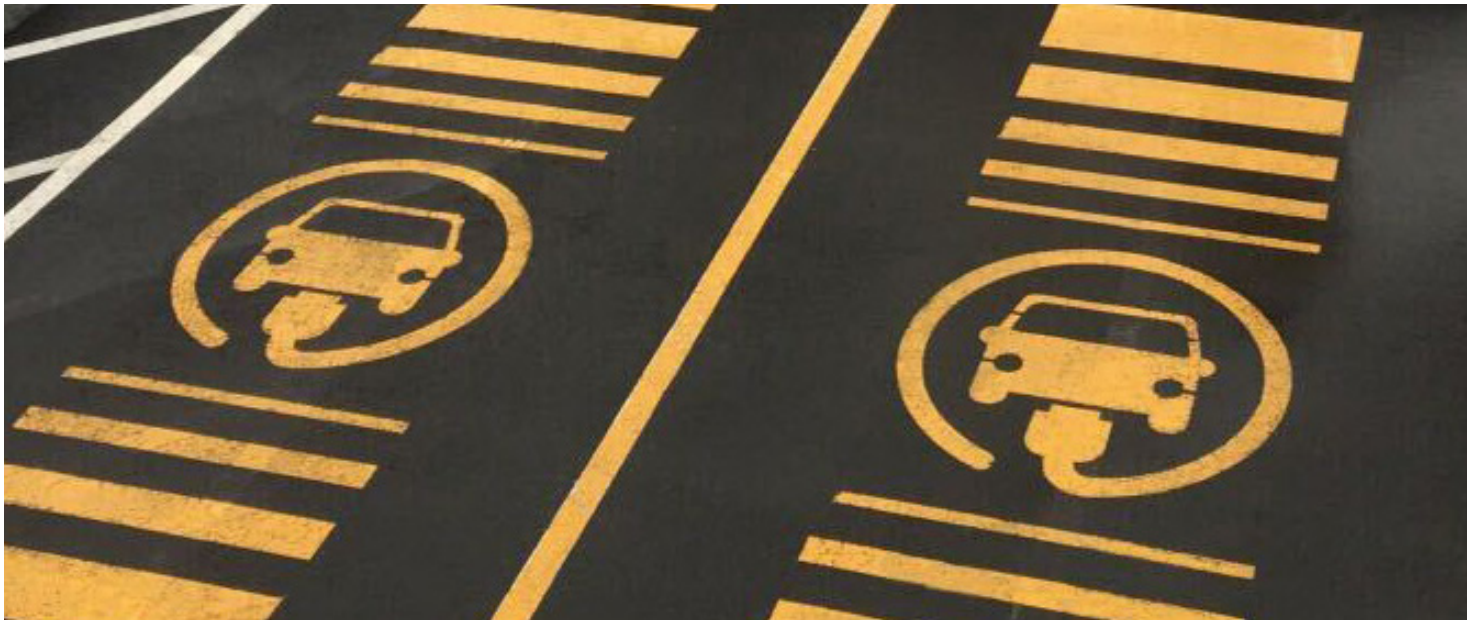
There are five main pathways Massport will use to reach Net Zero. This is not an effort that is just getting underway; forward thinking in environmental consciousness has long been a defining quality. And this leadership will continue—from the facilities

manager who implements a waste reduction and recycling program, to the electrician who installs LED lighting, to the snow team that finds more efficient ways to plow runways.

To reach this ambitious goal of achieving Net Zero, the Authority is evaluating a number of options. These options include improving energy efficiency in buildings, investing in electric vehicles, and increasing demand for HOV transportation. Additional strategies involve transitioning to renewable energy; generating more of it on-site; and acquiring renewable energy credits and/or carbon offsets as a transitional approach for fossil fuel sources. Furthermore, sustainability and innovation will be prioritized in operations and capital planning.

- Energy conservation and efficiency
- Clean and renewable energy sources
- Sustainable ground transportation
- Partnerships
- Culture of sustainability and innovation





Working with partners to eliminate their carbon footprint

While the plan covers 100 percent of emissions sources Massport controls, efforts are also underway to address the carbon footprint of our partners. From upgrading ground support equipment (eGSE) at airports, to electrifying vehicles, to preparing for sustainable fuel usage in aviation and maritime, the Authority is collaborating with the companies and businesses we support to drive change. A particular focus of the plan is advocating for and working toward the adoption of Sustainable Aviation Fuel (SAF) at our airports.

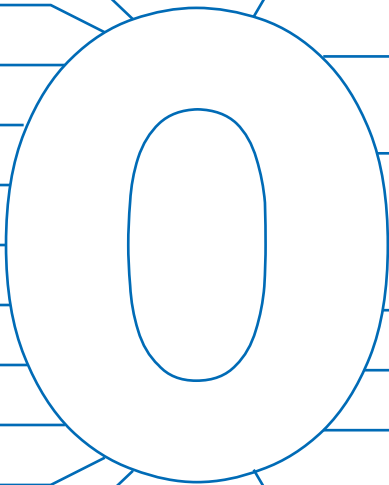


Scopes 1 & 2: Massport Controlled

- Airport Cruise & Container Terminals
- Logan Airport Central Heating Plant
- Fire Training Facilities
- Massport Fleet Vehicles & Equipment
- Parking Garages
- Support Buildings
- Cargo Handling Equipment
- Emergency Generators
- Snow Melters
- Purchased Electricity

Scope 3: Massport Potentially Influenced

- Aircraft
- Tenant Fleet Vehicles & Ground Service Equipment
- Passenger & Employee Transportation
- Cargo Vessels
- Harbor Craft
- Cruise Liners
- Hangars



Supporting innovation. Investing in continuous improvement. Reducing emissions in neighboring communities.

As an organization, Massport is and must continue to be a leader in environmentally friendly operations. From solar generation on terminal canopies to waterfront parks in East Boston, from electric vehicle charging infrastructure to upgrading the generators on gantry cranes in harbor operations, the people who work at the Authority are committed to reducing the impacts on our neighboring communities and always finding the next way to do things better.

Current Investments Provide a Platform for the Future

HOV

- Logan Express bus services at multiple sites around the Commonwealth
- Hybrid electric shuttle buses serving Logan Airport
- Enhanced hybrid electric MBTA Silver Line 1 (SL1) buses serving Logan Airport
- Free MBTA Silver Line service from Logan Airport
- E-ticketing on the FlyLogan App to incentivize demand

Logan

- 115 landside EV charging ports for fleet vehicles
- 372 airside EV charging ports for eGSE
- 394 eGSE units in use across all terminals

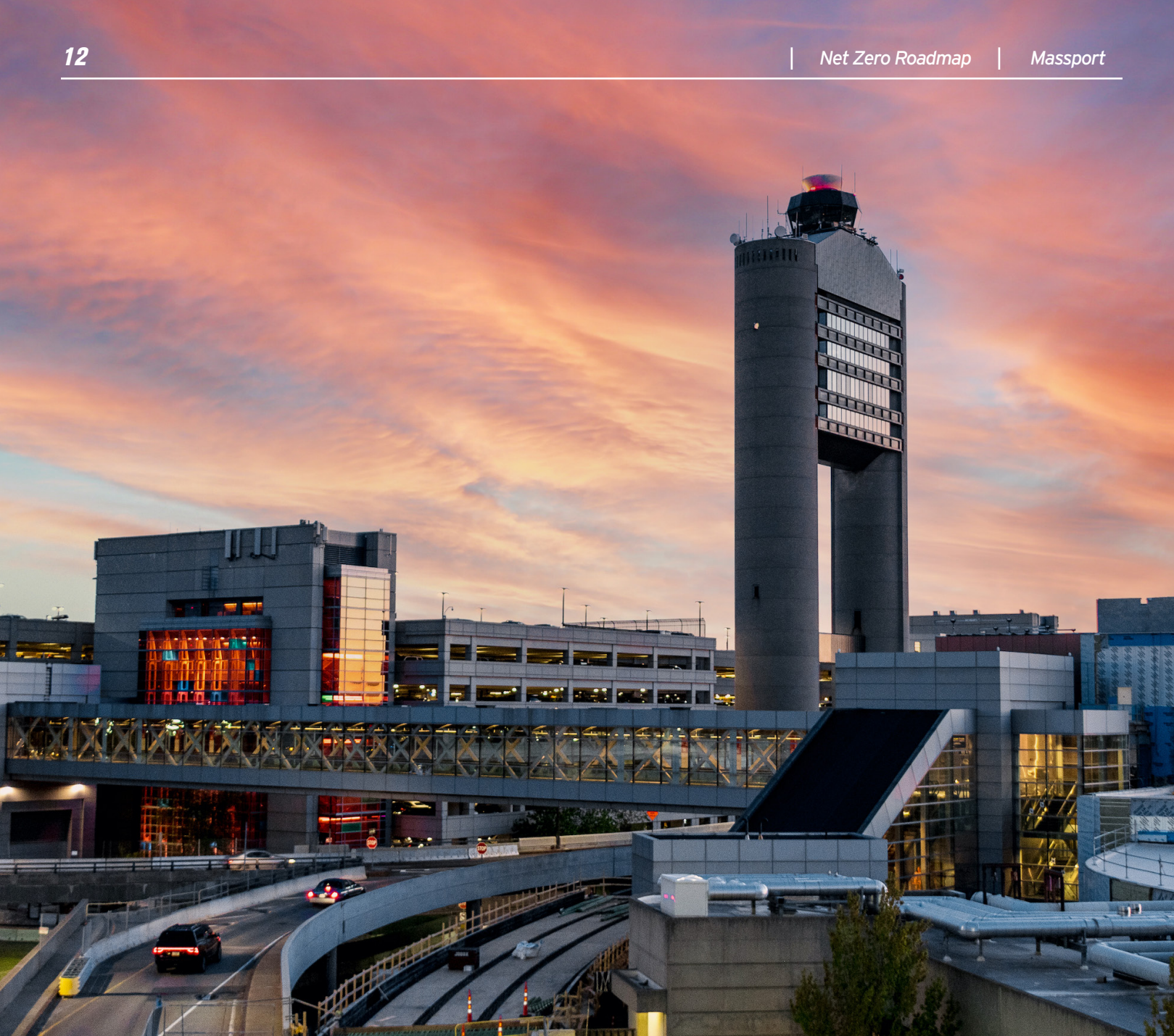
Port

- Conley Terminal Soil Reclamation and Reuse Program
- Shore Power Feasibility Study
- Rubber Tire Gantry (RTG) hybrid electric retrofits

Parks

- Over 40 acres of urban green spaces operated and maintained, including Thomas J. Butler Memorial Park, Skippy Miller Park, Piers Park I and Piers Park II, and Bremen Street Park





Driven by data to Net Zero

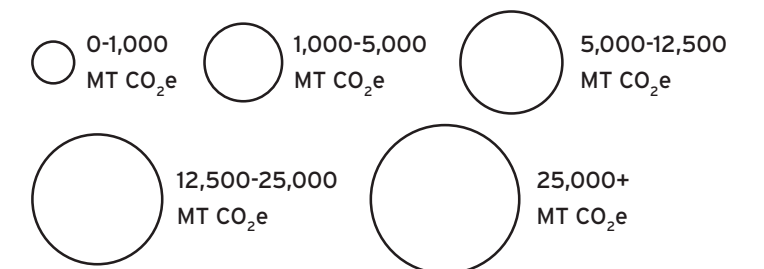
A good deal of Massport's operations rely heavily on data. The data-driven approach that is so essential to flight and port activity will be just as effective in emissions reduction. Net Zero decisions will be driven by a number of factors including carbon reduction potential, feasibility, and cost effectiveness.

Primary Pathway Initiatives

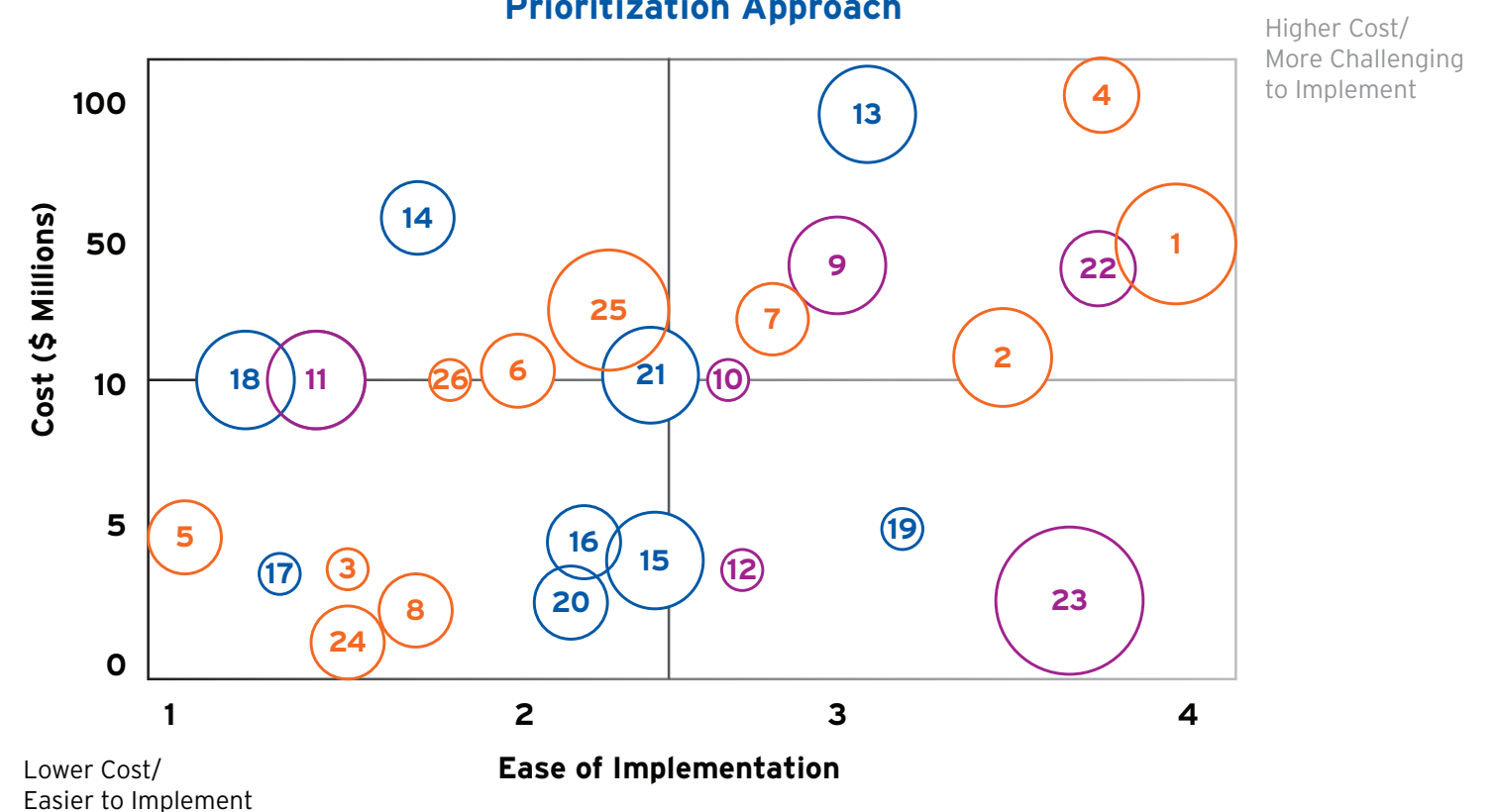
1. Convert Logan CHP to Renewable Energy
2. Electrify HVAC (Non-Logan)
3. Electrify Domestic Hot Water
4. Energy Efficiency: Envelopment Improvements
5. Energy Efficiency (Finish Lighting Conversions)
6. Retro-Commissioning
7. Energy Management System
8. Net Zero Standard for New Construction
9. Install Solar PV (18 MWh)
10. Add Energy Storage (10MWh)
11. Acquire PPA/VPPA Solar Energy
12. Evaluate Alternative Fuels for Snowmelters
13. Heavy-Duty Vehicle Conversion
14. Light-Duty Vehicles Conversion
15. EV Charging for Heavy-Duty Fleet
16. EV Charging for Light-Duty Fleet
17. Massport Employee Incentive (TMA/T Pass)
18. Additional HOV Measures
19. Incentivize Tenants to Move to EVs
20. EV Charging for Employees
21. EV Charging for Public
22. Shore Power Installation for Cruise and Shipping Berths
23. SAF Initiatives
24. Embodied Carbon Cost Program
25. Waste Reduction Program
26. Water Conservation Program

Pathways

- Improve Facility Energy Conservation and Efficiency
- Transition to Clean and Renewable Energy Sources
- Promote Sustainable Ground Access



Prioritization Approach



A commitment.
A plan. A goal.
Carried out
with complete
transparency.

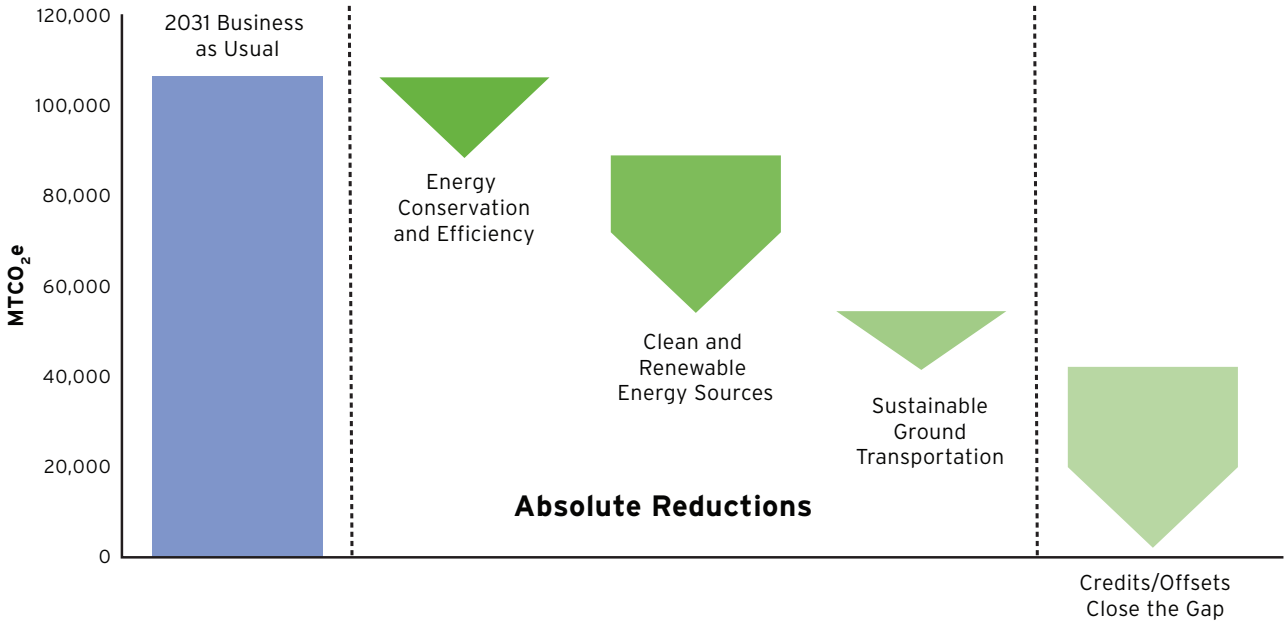
Rather than rely solely on carbon offsets to reach its Net Zero goal, Massport is focusing on efforts to realize actual carbon reductions at its facilities. Some offsets and renewable energy certificates

(RECs) will be needed until technologies advance and clean power becomes more available. And where possible, Massport will be looking to ensure that the benefits of these offsets and credits are accrued in the Commonwealth.

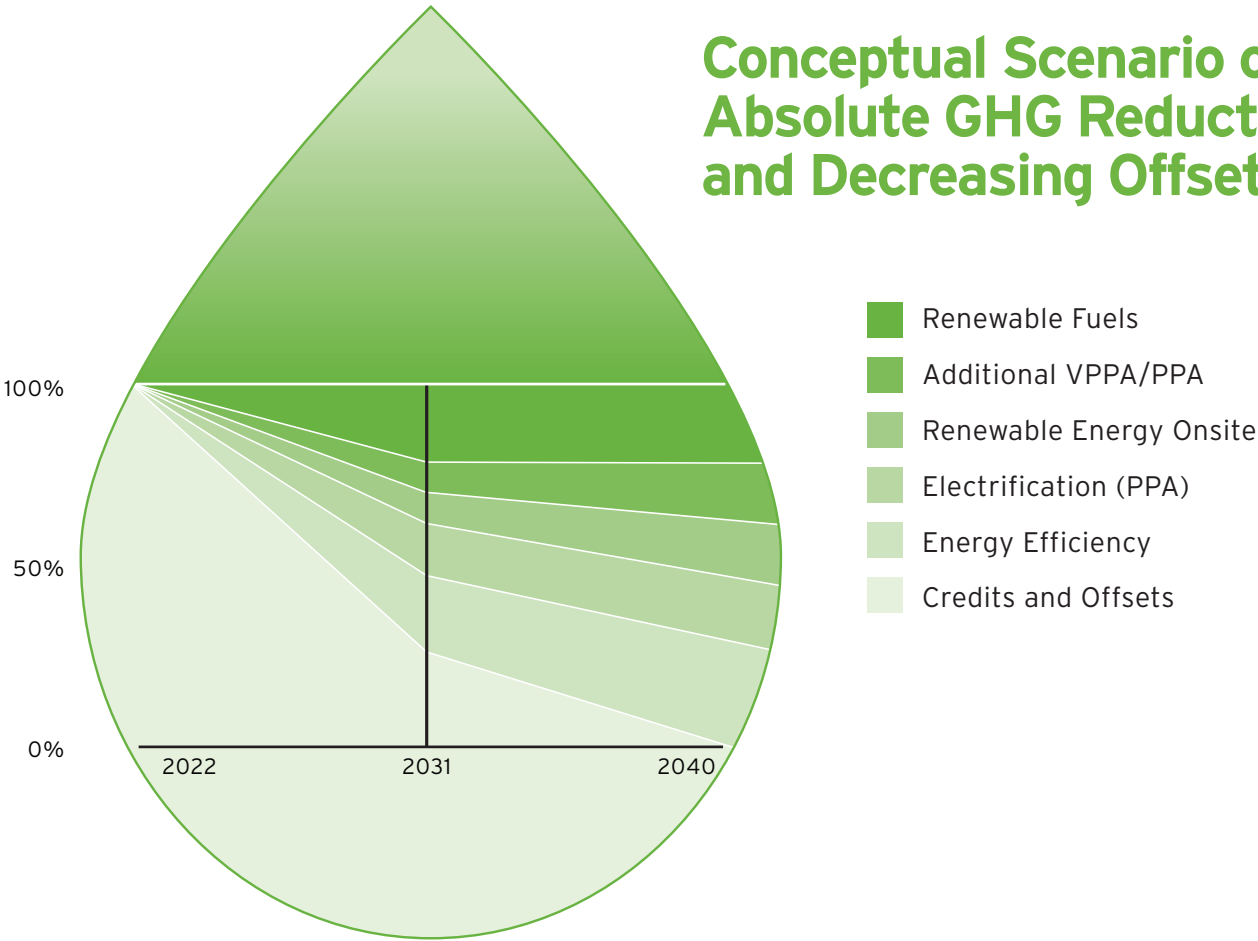
Massport’s plan sets an aggressive goal tied to real actions to achieve tangible results. As the Authority moves forward, Massport will continue to be open about the opportunities and challenges ahead.

The climate crisis is truly global in scale, but we all have to take action to confront it. Massport will be Net Zero by 2031. The Net Zero roadmap, along with sustainability and resiliency efforts, comprises Massport’s comprehensive approach to climate action, which puts the Authority in a strong position to advance change in the aviation and maritime industries.

Scope 1 and 2 Emissions, Mitigation by Pathway (2031)



Conceptual Scenario of
Absolute GHG Reductions
and Decreasing Offsets





Responding to global climate change,
in service of businesses, passengers,
and neighboring communities

Inspiring progress

Reinventing for the future

Changing how we connect people
and goods to the world



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