

C. Proposed Scope for the 2025 EDR

PROJECT NAME:	Logan Airport 2025 Environmental Data Report (EDR)
PROJECT LOCATION:	Boston Logan International Airport, East Boston, Massachusetts
EEA NUMBER:	3247
PROPONENT:	Massachusetts Port Authority (Massport)

Massport respectfully submits this proposed scope for the Logan Airport *2025 Environmental Data Report (2025 EDR)* for public review and comment. The *2025 EDR* would follow the *2023/2024 EDR*, which was filed in October 2025. As directed by the Secretary of the Executive Office of Energy and Environmental Affairs (EEA), Massport will continue to use this process to evaluate the cumulative impacts associated with Boston Logan International Airport (Logan Airport) activities by preparing an Environmental Status and Planning Report (ESPR) approximately every five years with interim annual updates through the EDRs.

To enhance the EDR's readability, future EDRs will provide annual updates on the pertinent findings for the current reporting year with narrative text limited to only the contextual information necessary for interpreting findings. Massport took significant steps towards enhancing the readability, shortening the length, and filing closer to the prior year end for the *2023/2024 EDR*, and will continue to build on this progress for the *2025 EDR*. Supporting technical information and data used for analyses will be provided in appendices, as appropriate, while the chapter narrative will discuss analysis results and findings. Future ESPRs will provide narratives about trends and findings for the reporting year, comparisons to the previous year and benchmark year, and projected future conditions with an updated activity forecast.

Along with the *2023/2024 EDR*, Massport developed the *EDR/ESPR User's Guide (User's Guide)*, which contains the technical context, analysis methodologies, and other supporting information critical to the development process for EDRs and ESPRs. This information was previously incorporated within the chapter narrative text of the annual filings, which significantly contributed to the overall size of these documents and difficulties with subject comprehension. The User's Guide should improve the readability and accelerate production timeframes of future EDRs and ESPRs as annual filings will now focus solely on reporting annual updates.

Massport will continue to publish the full EDR and ESPR documents electronically on the Massport website through a new, dedicated webpage for the EDRs and ESPRs:

<https://www.massport.com/environment/boston-logan-edr-espr-data-portal>.

C.1 Purpose of the Logan Airport ESPRs and EDRs

For nearly four decades, the EDRs and ESPRs, and the former Generic Environmental Impact Report (GEIR) with Annual Updates, have provided information to agencies and the public on planning activities, aircraft operations and passenger activity levels, and Massport initiatives at Logan Airport.

The ESPR and EDR documents are part of a well-established, state-level environmental review process, unique to Massport, which assesses Logan Airport's cumulative environmental impacts. As in previous years, the EDRs and ESPRs will continue as the forum to address cumulative impacts by providing an Airport-wide context for air quality, noise, ground transportation, and water quality.

- The EDR/ESPR process was developed by Massport and EEA to allow individual projects at Logan Airport to be considered and analyzed in the broader, Airport-wide context.
- The EDRs and ESPRs provide a planning context which complements the individual project-specific filings. The process provides the contextual setting for individual projects at Logan Airport, which meet state and federal environmental review thresholds and are evaluated separately on a project-specific basis.
- The EDRs and ESPRs will continue to serve as the baseline analyses for project-specific environmental reviews and provide a forum for public updates on Massport's planning efforts and mitigation programs.
- EDRs are filed annually in the years between ESPRs, and are retrospective documents that discuss environmental impacts for the reporting year or years.

Through these EDR and ESPRs, Logan Airport is subject to regular, comprehensive MEPA review, including opportunities for public commentary on the cumulative impacts associated with airport operations. This routine and long-standing process of reporting on planning and cumulative impacts is unique among state agencies subject to MEPA jurisdiction. It reflects the challenge and complexity of managing and modernizing Logan Airport within a dense, urban area encompassing many Environmental Justice (EJ) communities.

EDRs and ESPRs establish the planning context for subsequent Massachusetts Environmental Policy Act (MEPA) reviews of Environmental Notification Forms (ENFs) and, if necessary, Environmental Impacts Reports (EIRs). In this manner, Massport confirms no segmentation of project reviews occur for projects at Logan Airport. The EDRs and ESPRs also provide context for the National Environmental Policy Act (NEPA) reviews by the Federal Aviation Administration (FAA) serving as the lead federal agency.

Massport will continue to look for opportunities to enhance document accessibility for the general public and strive to improve content relevance. Alongside the *2023/2024 EDR*, the User's Guide complements the *2023/2024 EDR* and future EDRs and ESPRs by providing technical context and supporting information previously incorporated within the annual filings. Massport anticipates the *2025 EDR* will be filed closer to the 2025 reporting year's end than prior reports with the addition of the User's Guide; however, Massport

will continue to evaluate other opportunities to expedite the EDR and ESRP process and publication schedule.

C.2 Contents of the 2025 EDR

The *2025 EDR* will report on the cumulative effects of Logan Airport operations and activities, compared to previous years, as appropriate, for calendar year 2025, and will serve as the contextual background against which individual projects at Logan Airport can be evaluated. As noted in previous Secretary's Certificates and subsequent communication with the MEPA Office, the *2025 EDR* will provide information on the Environmental Justice (EJ) populations in proximity to the Airport, and summarize readily available information on community public health status.

C.2.1 Format of the 2025 EDR

The *2025 EDR* will be prepared in a new, short format, which will focus on key findings, use infographics and tables where possible, and minimize extraneous narratives. The appendices will include supporting technical information and data, primarily in table format. The *2025 EDR* will build upon work started within the *2023/2024 EDR* by further referencing other Massport reporting sources, studies, and publications and the complimenting EDR and ESRP User's Guide.

The technical studies in the *2025 EDR* chapters will analyze and report on key indicators and metrics for sustainability; EJ and community outreach; airport activity levels; project planning; the regional transportation system; ground transportation access; noise; air quality and emissions; water quality and environmental management; and project mitigation tracking as described below.

C.2.2 Introduction and Executive Summary

The *2025 EDR* chapters will include:

- Highlights of 2025 planning and key findings on environmental conditions;
- Overview of Logan Airport context;
- Overview of document changes from the *2023/2024 EDR*;
- Overview of community outreach, EJ, and existing public health conditions;
- Highlights of passenger activity levels and aircraft operations;
- Overview of the Logan Airport planning initiatives and projects;
- Overview of the regional intermodal transportation system;
- The 2025 status of Ground transportation, noise, air quality and greenhouse gases, and water quality;
- Status of project-related mitigation;
- Overview of Massport sustainability initiatives and the *Roadmap to Net Zero by 2031* program's progress; and

- Translated language versions of the Executive Summary for the 2025 EDR with weblinks provided as identified using the EEA's EJ tool.

C.2.3 Outreach and Environmental Justice

Chapter will report on the 2025 year end status of:

- Massport community giving and engagement activities;
- Community outreach activities, including those specific to the 2025 EDR;
- Updates on the status of MEPA's Logan Airport Working Group;
- Characterization of surrounding EJ populations; and
- Updates to the public health existing community conditions review as new data and tools become available.

C.2.4 Activity Levels

Chapter will provide a snapshot of airport activity levels for 2025 comparing to a historic benchmark year and the previous year for:

- Domestic and international passenger activity levels;
- Aircraft operations including fleet mix and scheduled airline services at Logan Airport; and
- Cargo and mail volumes.

C.2.5 Airport Planning

Chapter will describe the status of planning efforts as of the end of 2025, including quantifying the environmental benefits for initiatives involving:

- Ground Transportation and Parking;
- Logan Airport Terminal Area;
- Logan Airport Airside Areas; and
- Logan Airport Service Areas.

C.2.6 Regional Transportation

Chapter will report on Logan Airport's role in the region's intermodal transportation system during the 2025 reporting year, including:

- Regional airport operations and passenger activity levels; and
- Activity levels for other transit modes that compliment the Boston area's regional transit system.

C.2.7 Ground Access

Chapter will review 2025 ground access modes and surface vehicle transportation metrics and conditions through analyses of:

- Multimodal transportation ridership, including high-occupancy vehicle (HOV), MBTA, and other modes as well as HOV mode share, from the most recent Logan Airport passenger survey;
- Trends of RideApp companies, such as Uber™ and Lyft™;
- Parking demand and management, and compliance with the Logan Airport Parking Freeze;
- Logan Airport gateway volumes, on-Airport traffic volumes, and vehicle miles traveled (VMT);
- Efforts to reduce single occupancy vehicle, or deadhead trips, to the Airport;
- Long-range ground access management strategy planning efforts; and
- Dwell time studies completed as of 2025 year end.

C.2.8 Noise

Chapter will describe 2025 noise conditions associated with Logan Airport operations, including:

- Noise context and model inputs for noise analyses, such as fleet mix, various aircraft Stage classifications, daily and nighttime operations, runway use, flight tracks, and meteorological data;
- Modeled noise levels results with updated annual noise contours and estimated noise-impacted populations;
- Measured versus modeled noise value comparisons;
- Supplemental metrics, including the Cumulative Noise Index (CNI), Time-Above for 65, 75, and 85 A-weighted decibel (dBA) threshold values, and dwell and persistence analyses;
- Massport's noise abatement and mitigation efforts in 2025; and
- Massport's role in supporting noise-related research efforts by other institutions.

C.2.9 Air Quality and Greenhouse Gas Emissions

Air quality and GHG conditions for 2025 will be discussed in this chapter, encompassing the following information:

- Emissions sources, including aircraft, ground service equipment (GSE), motor vehicles, and stationary sources;
- Modeled emissions inventories for carbon monoxide (CO), nitrogen oxides (NOx), volatile organic compounds (VOCs), and particulate matter (PM);
- Modeled GHG emissions inventory as a voluntary study;
- Massport's air emissions and GHG emissions reduction strategy;
- Status of ultrafine particle studies as of 2025 year end; and
- Summary of national and international efforts to decrease air emissions as relevant to Logan Airport.

C.2.10 Water Quality

Chapter will report on 2025 Logan Airport environmental regulatory compliance and water quality program management, detailing:

- National Pollutant Discharge Elimination System (NPDES) Permit compliance status and monitoring results for Logan Airport's outfalls and the Fire Training Facility;
- Jet fuel usage, spill reporting data, and fuel spill prevention initiatives;
- Massachusetts Contingency Plan (MCP) activities;
- The Tank Management Program's implementation; and
- Environmental Management Plan status updates.

C.2.11 Project Mitigation

Chapter will document the status of project-specific mitigation commitments for Massport and tenant projects at Logan Airport that have undergone MEPA review and have on-going Section 61 commitments. These currently include:

- Terminal A Replacement Project (EEA 12096);
- Logan Airport Parking Project (EEA 15655);
- Terminal E Modernization Project (EEA 15434); and
- Runway 27 Runway Safety Improvements (EEA 16433).

C.2.12 Sustainability and Climate Resilience

In addition to providing weblinks to other relevant Massport studies and publications, this chapter will summarize the status of Massport's on-going sustainability and climate resiliency initiatives and programs at Logan Airport, including:

- Sustainability initiatives with references to Massport's Annual Sustainability reporting publications;
- Net Zero Greenhouse Gas Emissions programming; and
- Climate resilience programs and guidelines.

C.2.13 Appendices

Supporting technical information and data used for analyses will be provided in technical appendices, as appropriate, while the chapter narrative will discuss analysis results and findings. Applicable MEPA documentation associated with the *2023/2024 EDR* filing will also be included.

C.2.13.1 MEPA Documentation

Appendices will include a copy of the Secretary's Certificate and comment letters received on the *2023/2024 EDR*. Individual responses will be prepared for items the Secretary's Certificate on the *2023/2024 EDR* and comments in reviewers' letters will be provided.

Distribution list including the environmental justice community for the *2025 EDR* indicating those receiving printed documents or Notices of Availability with links to the online version of the EDR will be provided. Massport will also provide printed copies to community libraries and other upon request.

C.2.13.2 Supporting Technical Documentation

Supporting technical appendices will be provided as necessary for the technical chapters.