APPENDIX D

GIS MAPS OF CLIMATE CHANGE FLOODING SCENARIOS BY SECTOR
IN SALEM, MASSACHUSETTS
Sea Level Rise (Mean High High Water)

- 1998 Baseline Elevation (4.76')
- 2100 Elevation (9.03')*

*NOTE: 2100 sea level elevation based on the NOAA Intermediate High projections.

Sea Level Rise
Critical Buildings: Services
Climate Change Vulnerability Assessment and Adaptation Plan
City of Salem, Mass.

Basemap
- Town Boundary
- Perennial Stream
- Intermittent Stream
- Pond, Lake, Ocean
- Edge of Pavement
- Wetland

Legend:
- Local Police
- Fire Station
- Hospital with ER
- Assisted Living Facility
- Nursing Home
- Rest Home
- College or University
- City Hall
- Public School
- Private School
- Charter School
- Collaborative Program

Source: City of Salem, FEMA, and MassGIS
Historical and Cultural Sites

- MRHP and LHD
- Town Boundary
- Perennial Stream
- Intermittent Stream
- Pond, Lake, Ocean
- Wetland

Baseline Elevation (4.76')
2100 Elevation (9.03')*

*NOTE: 2100 sea level elevation based on the NOAA Intermediate High projections.
Sea Level Rise (Mean High High Water)
- 1998 Baseline Elevation (4.76')
- 2100 Elevation (9.03')

MBTA Commuter Rail
- Salem MBTA Station
- Operational Line
- Proposed Line

MBTA Bus and Ferry Service
- MBTA Bus Stop
- MBTA Bus Route
- Ferry Route

Basemap
- Town Boundary
- Bike Path
- Rail Line
- Edge of Pavement
- Perennial Stream
- Intermittent Stream
- Pond, Lake, Ocean
- Wetland

Source: City of Salem, N. U.S. Army, and NCEI
Coordinate System: WGS 1984 State Plane Feet (V2000 Feet)

NOTE: 2100 sea level elevation based on the NOAA Intermediate High projections.
**NOTE:** 2100 sea level elevation based on the NOAA Intermediate High projections; storm surge is based on the levels from a current 100-year storm.
Sea Level Rise with Storm Surge: Electricity
Climate Change Vulnerability Assessment and Adaptation Plan
City of Salem, Mass.

*NOTE: 2100 sea level elevation based on the NOAA Intermediate High projections; storm surge is based on the levels from a current 100-year storm.
*NOTE: 2100 sea level elevation based on the NOAA Intermediate High projections; storm surge is based on the levels from a current 100-year storm.*

Storm Surge

- **1998 Baseline Storm Surge (8.8')**
- **2100 Storm Surge with Sea Level Rise (13.03')**

Sea Level Rise with Storm Surge: Transportation
Climate Change Vulnerability
Assessment and Adaptation Plan
City of Salem, Mass.

MBTA Commuter Rail
- Salem MBTA Station
- Operational Line
- Proposed Line

MBTA Bus and Ferry Service
- MBTA Bus Stop
- MBTA Bus Route
- Ferry Route

Basemap
- Town Boundary
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- Pond, Lake, Ocean
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Source: City of Salem, N2, LDEQ, and MassGIS
Coordinate System: NAD83 State Plane Massachusetts FIPS 2301 Feet