

Assessment of Existing Unfair or Inequitable Environmental Burden

Under Section 58 of Chapter 8 of the Acts of 2021: An Act Creating a Next-Generation Roadmap for Massachusetts Climate Policy (the Act), and consistent with 301 CMR 11.06(7)(b) and 11.07(6)(n), each project to which the new EIR requirement applies under Part I must submit an EIR that contains "statements about the results of an assessment of any existing unfair or inequitable environmental burden and related public health consequences impacting the environmental justice population from any prior or current private, industrial, commercial, state, or municipal operation or project that has damaged the environment."

This section addresses Vulnerable Health Criteria, Potential Sources of Pollution, and Climate Change Vulnerability to help assess whether an existing unfair or inequitable environmental burden related to public health consequences has been placed upon the EJ communities, as compared to the general population, within the DGA. As demonstrated below, the City of Revere is assessed as meeting higher levels of vulnerable health criteria as compared to the statewide average for one out of four health categories. According to the Resilient Massachusetts Action Team (RMAT) Climate Resilience Design Standards Tool, the Project Site is at a high risk of impacts from extreme precipitation/urban flooding, extreme precipitation causing riverine flooding, and extreme heat. As shown in Figure 25 and Table 3, The DGA includes Block Groups and Census Tracts in Revere, as well as the adjacent communities of Lynn and Saugus; therefore, portions of all three municipalities are included within this assessment.

EJ Criteria	Municipality		Statewide Value
	City	Value	
Community of Color Population	Revere	45.7%	28.4%
	Lynn	64.1%	28.4%
	Saugus	16.7%	28.4%
English Language Isolation Population	Revere	14.3%	5.8%
	Lynn	16.8%	28.4%
	Saugus	2.5	28.4
Median Household Income	Revere	\$ 62,568	\$ 85,843
	Lynn	\$ 56,181	\$ 85,843
	Saugus	\$ 88,667	\$ 85,843
No. of EJ Communities	Revere	37	NA
	Lynn	67	NA
	Saugus	6	NA
% Population Living in EJ Communities	Revere	93.3%	NA
	Lynn	93.2%	NA
	Saugus	26.1%	NA

Table 1- City vs State EJ Data

Using the MA DPH EJ mapping tool, we also looked at potential sources of pollution near the project site that can impact the neighborhood. Using this tool, we identified a number of potential sources, including those with Air Operating Permits, Large Quantity Generators, Large Quantity Toxic Users, MassDEP Tier Classified 21E Sites, MA Tier II Facilities, Sites with an Activity and Use Limitation, Groundwater Discharge Permits, NPDES Points, Underground Storage Tanks, and Toxic Release

Inventory Sites. These potential sources are shown on the map below and in tabular format following the map.

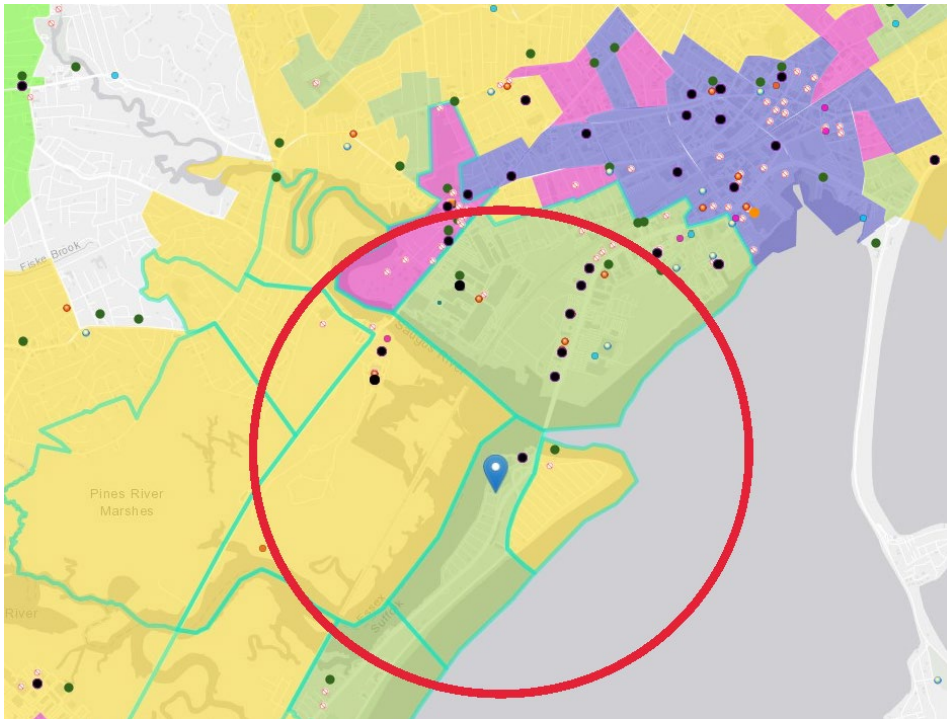


Figure 1- EJ Potential Sources of Pollution - 1-mile radius.

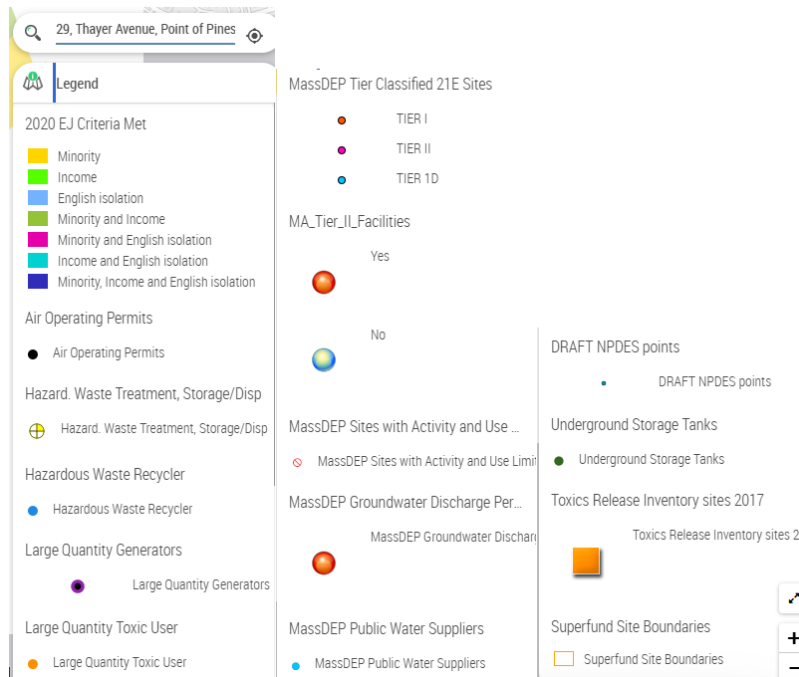


Figure 2 - Legend of Potential Pollution Sources

Air Operating Permits within DGA				
Facility Name	Address	Community	Region	FID
GENERAL ELECTRIC COMPANY	1000 WESTERN AVE	LYNN	3	
WHEELABRATOR SAUGUS INC	100 SALEM TPKE	SAUGUS	3	

Table 2 - Air Operating Permits within DGA

Large Quantity Generator within DGA				
Facility Name	Address	Community	Region	FID
ATLANTIC TOYOTA GROUP INC	671 LYNNWAY	LYNN	3	
AUTOZONE 5122	637 LYNNWAY	LYNN	3	
AUTO FITNESS II INC DBA EASY LUBE	843 LYNNWAY	LYNN	3	
22 WHITIN AVENUE EXT	22 WHITIN AVENUE EXT	REVERE	3	
GENERAL ELECTRIC COMPANY	1000 WESTERN AVE	LYNN	3	
PRIDE CHEVROLET PONTIAC INC	715 LYNNWAY	LYNN	3	
PRIDE HYUNDAI OF LYNN	777 LYNNWAY	LYNN	3	
PATTYS AUTO PARTS	140 SALEM TPKE	SAUGUS	3	
SULLIVAN TIRE	637 LYNNWAY	LYNN	3	
WHEELABRATOR SAUGUS INC	100 SALEM TPKE	SAUGUS	3	

Table 3 - Large Quantity Generator within DGA

Large Quantity Toxic User				
Facility Name	Address	Community	Region	FID
WHEELABRATOR SAUGUS INC	100 SALEM TPKE	SAUGUS	3	

Table 4 - Large Quantity Toxic User

MassDEP Tier Classified 21E Site within DGA								
OBJE CTID	RTN	Name	Address	Town	Status	Site Information	FID	FID
416	3-0012510	LOT 75 OF BLOCK 752, ASSESSORS MAP 85	HANSON FLD	LYNN	TIER 1D	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0012510	3	{34AB659E-023C-4064-B204-0B000EFA1725}
66	3-0037632	FORMER SERVICE STATION	150 SALEM TURN PIKE	SAUGUS	TIER II	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0037632	3	{0933836D-94D8-4E08-95C9-E8A21079EDB8}

Table 5 Mass DEP Tier Classified 21E Site within DGA

MA Tier II Facilities within DGA										
County	Last Report Date	Report Status	EHS Above TPQ?	GlobalID	Data Year	Facility ID	Facility Name	Town	Zip	Address

Essex County	2018 Tier II Report Annual (02/27/2019)	COMPLETED	Yes	b7bda7c5-f619-4e02-885b-b938ac572fa7	2019	7963	Garelick Farms LLC - Lynn	Lynn	01905	626 Lynnway
Essex County	2018 Tier II Report Annual (02/28/2019)	COMPLETED	Yes	26cc1847-0b8e-49a0-82a8-122e5a8a3d3e	2019	9237	GE Aviation	Lynn	01910	1000 Western Ave
Essex County	2018 Tier II Report Annual (02/13/2019)	COMPLETED	No	fd13f28d-58ed-41b8-90e8-2b57bfc72876	2019	3696	Wal-Mart #2139	Lynn	01905	780 Lynnway
Essex County	2018 Tier II Report Annual (02/13/2019)	COMPLETED	Yes	a616116a-ac5f-444d-a378-a48f3f7f5e25	2019	3790	Wheelabrator Saugus Inc.	Saugus	01906	100 Salem Turnpike
Essex County	2018 Tier II Report Annual (04/01/2019)	COMPLETED	Yes	9def6e65-ecf1-40a0-9f3c-30f794035e9d	2019	11084	Pride Chevrolet	Lynn	01905	715 Lynnway
Essex County	2018 Tier II Report Annual (04/02/2019)	COMPLETED	Yes	fd0e61bb-577c-4dbe-94e7-9a6ccdf7a27b	2019	11086	Pride Hyundai	Lynn	01905	777 Lynnway
Essex County	2018 Tier II Report Annual (04/02/2019)	COMPLETED	Yes	49c7d8f8-9af2-448b-9c97-3713189df254	2019	11085	Pride Kia	Lynn	01905	793 Lynnway

Table 6 MA Tier II Facilities within DGA

MassDEP Sites with an AUL within DGA										
RTN	Name	Address	Town	Status	RAO Class	AUL Date	Site Information	Region	FID	
3-0002426	MBTA BUS TERMINAL	WESTERN AVE	LYNN	PSC	PA	10/22/2017	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0002426	3	{2940C40E-36A1-4DC4-BAE2-2815E4A0EE48}	
3-0000357	GE RIVER WORKS	1000 WESTERN AVE	LYNN	REM OPS		10/13/2008	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0000357	3	{1997776C-D00E-48A6-9E47-DE6BFFBA32C3}	
3-0001883	MBTA PARKING LOT PARCEL 300-018-001	WESTERN AVE RTE 107 AT COO	LYNN	RAO	A3	12/30/2003	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0001883	3	{7F728227-7BFB-426F-B621-45B980420B2C}	

		PER ST							
3-0020428	NO LOCATIO NAID	24 WHIT IN AVE	REV ERE	RAO	A3	11/4/ 2001	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0020428	3	{0CDB34 E4-2D0A- 41F1- 8B40- 37DEC35 3404C}
3-0013417	ABUTS GENERAL ELECTRI C	715 LYNN WAY	LYN N	RAO	A3	7/8/1 999	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0013417	3	{40964D EF-E68E- 4970- 9608- B0DFB1D 25626}
3-0021402	CORNER RIVER ST ANS HEATH CT	135 RIVE R ST	LYN N	RAO	B2	12/18 /2002	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0021402	3	{50C2ED 42-D000- 40BE- 8BEF- E3B0C22 66EC2}
3-0029500	WHEELA BRATOR SAUGUS INC GRASS SWALE	100 SALE M TPKE	SAU GUS	RAO		11/14 /2010	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0029500	3	{7B2C42 AE-E044- 4342- AC58- 83BDE18 6F537}
3-0024134	CAPS AUTO WRECKI NG CORP	1069 REAR WEST ERN AVE	LYN N	PSC	PA	3/27/ 2022	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0024134	3	{9DD5EF C4-EAF4- 4B29- B55A- C8212C1 CBC1E}
3-0024149	NO LOCATIO NAID	130 BALL ARD ST	SAU GUS	RAO	A3	2/1/2 009	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0024149	3	{4D91BC BA-8741- 4AEF- 87DE- 286E1D6 858F3}
3-0028899	WHEELA BRATOR SAUGUS	100 SALE M TPKE	SAU GUS	RAO	A3	11/14 /2010	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0028899	3	{2C24A9 3A-23DB- 4360- AED8- F79F0A4 7A752}
3-0015603	ATLANTI C CHRYSL ER PLYMOU TH TOYOTA	671 LYNN WAY	LYN N	RAO	B2	2/5/1 998	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0015603	3	{13FFB91 8-C6C9- 41E7- 9232- 368B62E F0186}
3-0024015	PATTYS AUTO PARTS INC	2A SALE M TPKE	SAU GUS	PSC	PA	5/1/2 023	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0024015	3	{49BD17 57-E516- 4B48- B790- 3C099AC 24882}
3-0027778	REAR OF 109 BALLARD ST	109 BALL ARD ST	SAU GUS	RAO	B2	9/1/2 008	https://eeaonline.eea.state.ma.us/portal#!/search/wastesite/results?RTN=3-0027778	3	{7A2DFA EB- 96DD- 4F3A- BEAD-

Table 7 MassDEP Sites with an AUL within DGA

MA DEP Groundwater Discharge Permits					
BWR Permit Number	BWR Permit Number plus Renewal Number	Name	Address	City/Town	DEP Region ID
			626 LYNNWAY	LYNN	3
			28 RICE AVE	REVERE	3
			1000 WESTERN AVE	LYNN	3
			985 WESTERN AVE	LYNN	3

Table 8 MA DEP Groundwater Discharge Permits

NPDES Points						
NPDES_ID	NAME	ADDRESS	TOWN	REGION	PERMIT_TYP	REC_WATER
MA0028193	RESCO RESOURCE RECOVERY FAC.	100 SALEM TPKE	SAUGUS	3	MAJOR	SAUGUS RIVER
MA0003905	GENERAL ELECTRIC AIRCRAFT ENG.	1000 WESTERN AVE	LYNN	3	MAJOR	SAUGUS RIVER

Table 9 NPDES Points

Underground Storage Tanks				
FACILITY ID	FACILITY NAME	ADDRESS	TOWN	REGION
304186	POINT OF PINES YACHT CLUB INC	28 RICE AVE	REVERE	3
130691	GENERAL ELECTRIC COMPANY	1000 WESTERN AVE	LYNN	3

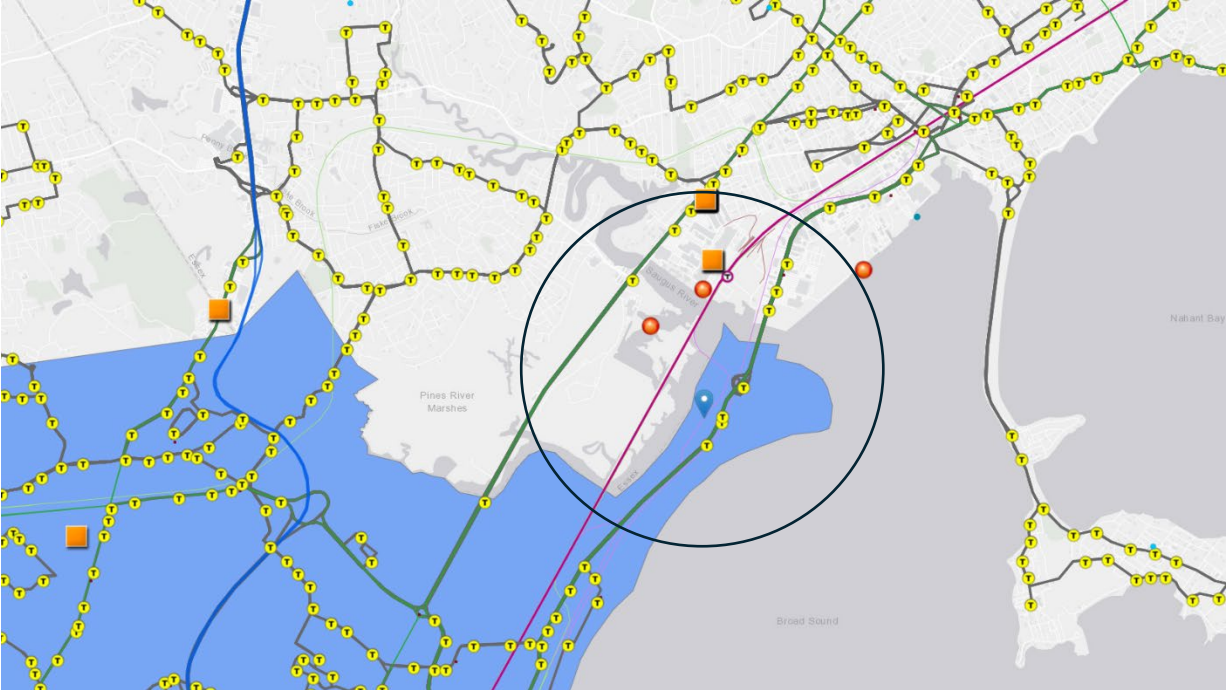
Table 10 Underground Storage Tanks

Toxic Release Inventory Sites within DGA								
FID	FID	FACILITY_NAME	STREET_ADDRESS	CITY	FID	FID	INDUSTRY_SECTOR	FID
2019	01910GNRLL1000W	GE AVIATION	1000 WESTERN AVE	LYNN	GENERAL ELECTRIC CO (GE CO)	GENERAL ELECTRIC CO (GE CO)	Transportation Equipment	Nickel
2019	01910GNRLL1000W	GE AVIATION	1000 WESTERN AVE	LYNN	GENERAL ELECTRIC CO (GE CO)	GENERAL ELECTRIC CO (GE CO)	Transportation Equipment	Cobalt
2019	01910GNRLL1000W	GE AVIATION	1000 WESTERN AVE	LYNN	GENERAL ELECTRIC CO (GE CO)	GENERAL ELECTRIC CO (GE CO)	Transportation Equipment	Chromium

Table 11 Toxic Release Inventory within DGA

Supplementing that data, the information provided below is in addition to the information above, which was previously presented in the SDEIR filing on 7.31.24. The additional datalayers reviewed include:

- Wastewater treatment plants
- MassDEP public water suppliers
- EPA facilities
- Road infrastructure
- MBTA bus and rapid transit
- Other transportation infrastructure
- Regional transit agencies
- Energy generation and supply



Legend

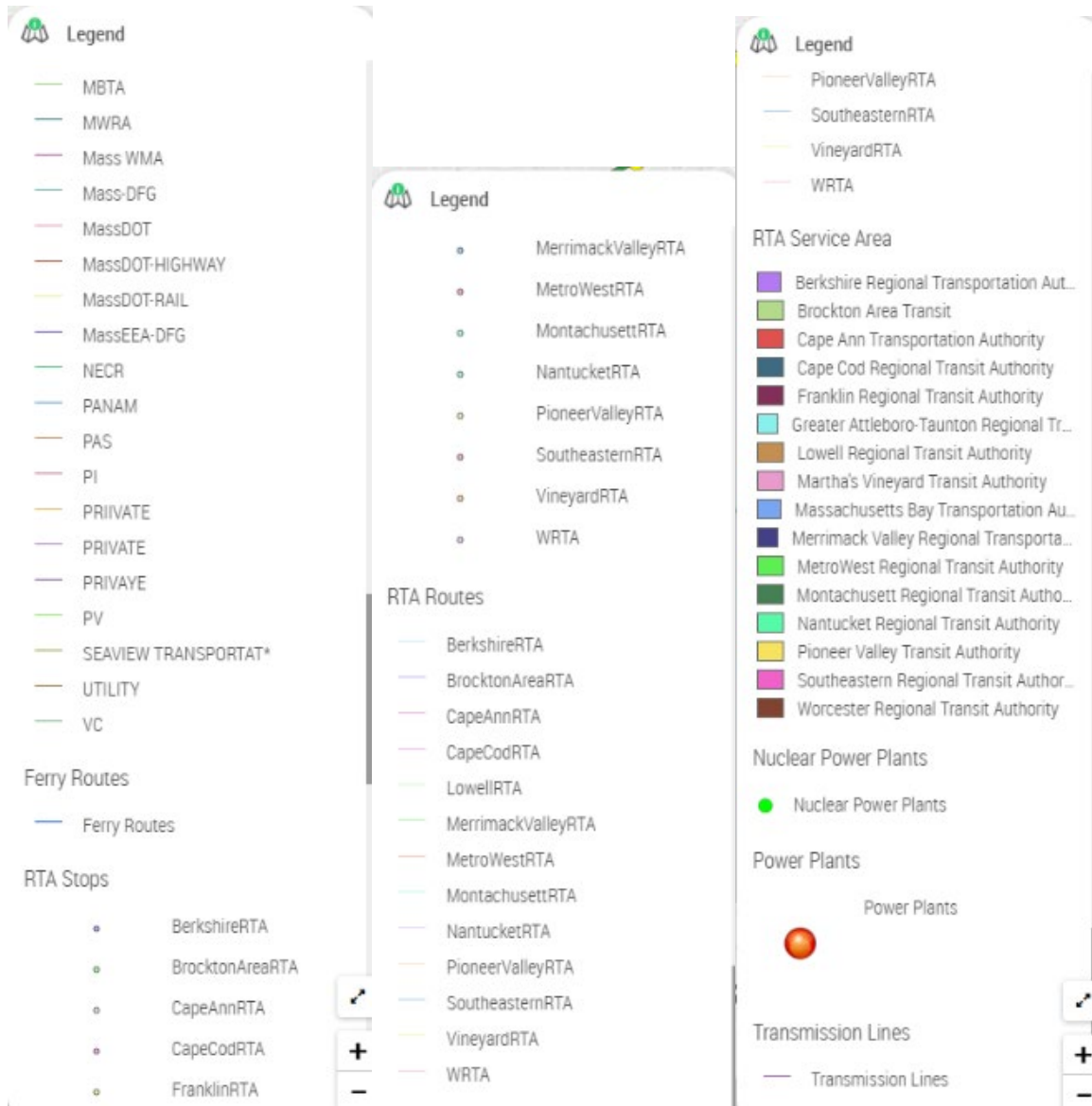
- MassDEP Public Water Suppliers
 - MassDEP Public Water Suppliers
- Toxics Release Inventory sites 2017
 - Toxics Release Inventory sites 2017
- Superfund Site Boundaries
 - Superfund Site Boundaries
- MassDOT Roads
 - Interstate
 - US Highway
 - State Route
- MBTA Bus Shelters
 - MBTA Bus Shelters
- MBTA Bus Stops
 - Ⓣ MBTA Bus Stops
- MBTA Rapid Transit Stops
 - Ⓣ MBTA Rapid Transit Stops

Legend

- MBTA Commuter Rail Stations
 - Ⓣ Active
 - Ⓣ Used Seasonally or for Special Events
- Ferry Stops
 - Ferry Stops
- MBTA Bus Routes
 - MBTA Bus Routes
- MBTA Rapid Transit
 - BLUE
 - GREEN
 - ORANGE
 - RED
 - SILVER
- MBTA Commuter Rail Lines
 - Full Service
 - Used Seasonally or for Special Events
- Ferry Routes
 - Ferry Routes
- Airports
 - ✈ Airports

Legend

- Freight Rail Yards
 - Ⓣ Freight Rail Yards
- Water Taxis
 - Ⓣ Water Taxis
- Railroad Tracks
 - ??
 - AMTRAK
 - BCLR
 - COMM MA
 - CP
 - CSO
 - CSX
 - CSX LEASE TO LOCAL
 - CSX/MBTA(L)
 - CT STATE F
 - DCR
 - DFG
 - EB&S
 - FEDERAL
 - G&U
 - G&W
 - HOUSATONIC
 - LOCAL
 - LOCAL/TRUST
 - MASS COASTAL
 - MASSCOASTAL



There were several data layers that did not have any items within the DGA, including : superfund sites, Nuclear Power stations, transmission lines , rapid transit stops ,ferry stops, airports , water taxis , and ferry routes. The additional data layers that did have items within the DGA are listed in the tables below.

Power Plants within the DGA										
SOURCE	PRIMARY_FUEL	PRIMARY_FUEL	TOTAL_CAPACITY	PLANT_CODE	PLANT_NAME	UTILITY_ID	UTILITY_NAME	CAPACITY	CAPACITY	CAPACITY
EIA	Natural Gas	NG	47.1	10029	General Electric Aircraft Engines	7049	General Electric Aircraft Engines	47.1	0	Natural Gas = 47.1 MW
EIA	Biomass	BIO	32	50880	Wheelabrator Saugus	20541	Wheelabrator Environmental Systems	0	32	Biomass = 32 MW

Table 12- Power Plants within DGA

MBTA Bus Shelters					
GlobalID	Stop_ID	Shelter_Owner	Property_Owner	Snow_Removal	Year_Installed
{38B6EA0C-049B-4F16-B84A-5444AA987BCF}	4709	JCD	Unknown	JCD/City	2005
{F1B286E6-D8CA-4A93-A79D-745A68EAE2}	4742	JCD	City	JCD/City	2006
{EB20C01C-FA61-4F6D-BB83-17BF6E0B8E9}	4743	JCD	City	JCD/City	2006
{F5E72DDD-E322-46C5-9282-2F64E5FB87E8}	4495	City	City	City	c.1990

Table 13- MBTA Bus Shelters within DGA

MBTA Bus Stops			
STOP_ID	Stop Name	Community	TOWN_ID
4705	621 Lynnway	LYNN	163
4744	626 Lynnway	LYNN	163
4708	Lynnway @ General Edwards Bridge	LYNN	163
4741	Lynnway @ General Edwards Bridge	LYNN	163
4707	777 Lynnway	LYNN	163
4742	Lynnway @ Hanson St	LYNN	163
4516	Salem Tnpk @ Ballard St	SAUGUS	262
4495	Salem Tnpk @ Ballard St	SAUGUS	262
4743	Lynnway @ Harding St.	LYNN	163
4706	715 Lynnway	LYNN	163
4494	Western Ave @ Cooper St	LYNN	163
4518	1067 Western Ave	LYNN	163
4520	Western Ave opp Lynn Garage	LYNN	163
4709	Point of Pines	REVERE	248
4856	N Shore Rd @ Oak Island St	REVERE	248
4712	N Shore Rd @ Oak Island St	REVERE	248
4492	Western Ave @ MBTA Lynn Garage	LYNN	163
4711	N Shore Rd @ Blanchard Ave	REVERE	248
4738	N Shore Rd opp Blanchard Ave	REVERE	248
4491	Western Ave @ Ida St	LYNN	163
45211	Western Ave opp Ida St	LYNN	163
7453	Burns St @ Western Ave	LYNN	163
4490	Western Ave @ Burns St	LYNN	163
4710	N Shore Rd @ John Ave	REVERE	248
4739	N Shore Rd @ John Ave Ext	REVERE	248

Table 14- MBTA Bus Stops within the DGA

MBTA Commuter Rail Lines	
Line	FID
EASTERN ROUTE	
EASTERN ROUTE	

Table 15- MBTA Commuter Rail Lines

Railroad Tracks within the DGA									
TY PE	OWNERS HIP	FREIGHT_ OP	PASS_ OP	VALPLANN UM	VALPLANO WN	STA TE	MAP_O NE	FI D	Shape.STLengt h()
1	MBTA	PANAM	MBTA		B&M	MA			890.6793395
1	MBTA	PANAM	MBTA		B&M	MA	Y		1307.178697
1	MBTA	PANAM	MBTA	3.00	B&M	MA			22675.22894
1	PI				B&M	MA			1736.593258
1	PI			3.00	B&M	MA			1393.327281
4	??				B&M	MA			7432.490618
5	MBTA					MA			6541.488897

Table 16- Railroad Tracks within the DGA