

Environmental Notification Form

For Office Use Only

EEA#: _____

MEPA Analyst: _____

The information requested on this form must be completed in order to submit a document electronically for review under the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: MBTA Proposed Service Reduction		
Street Address: MBTA Service District		
Municipality: Multiple Communities (see attached MBTA service district map)	Watershed: Various	
Universal Transverse Mercator Coordinates:	Latitude: Longitude:	
Estimated commencement date: 7/1/2012	Estimated completion date: NA	
Project Type: Transit Service Reduction	Status of project design: NA %complete	
Proponent: MBTA		
Street Address: 10 Park Plaza		
Municipality: Boston	State: MA	Zip Code: 02116
Name of Contact Person: Andrew D. Brennan		
Firm/Agency: MBTA	Street Address: 10 Park Plaza	
Municipality: Boston	State: MA	Zip Code: 02116
Phone: 617-222-3126	Fax: 617-222-1557	E-mail: abrennan@mbta.com

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No

If this is an Expanded Environmental Notification Form (ENF) (see 301 CMR 11.05(7)) or a Notice of Project Change (NPC), are you requesting:

a Single EIR? (see 301 CMR 11.06(8)) Yes No

a Special Review Procedure? (see 301CMR 11.09) Yes No

a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No

a Phase I Waiver? (see 301 CMR 11.11) Yes No

(Note: Greenhouse Gas Emissions analysis must be included in the Expanded ENF.)

Which MEPA review threshold(s) does the project meet or exceed (see 301 CMR 11.03)?
None

Which State Agency Permits will the project require?
None

Identify any financial assistance or land transfer from an Agency of the Commonwealth, including the Agency name and the amount of funding or land area in acres:
None

Summary of Project Size & Environmental Impacts	Existing	Change	Total
LAND			
Total site acreage	N/A		
New acres of land altered		N/A	
Acres of impervious area	N/A	N/A	N/A
Square feet of new bordering vegetated wetlands alteration		N/A	
Square feet of new other wetland alteration		N/A	
Acres of new non-water dependent use of tidelands or waterways		N/A	
STRUCTURES			
Gross square footage	N/A	N/A	N/A
Number of housing units	N/A	N/A	N/A
Maximum height (feet)	N/A	N/A	N/A
TRANSPORTATION			
Vehicle trips per day	N/A	N/A	N/A
Parking spaces	N/A	N/A	N/A
WASTEWATER			
Water Use (Gallons per day)	N/A	N/A	N/A
Water withdrawal (GPD)	N/A	N/A	N/A
Wastewater generation/treatment (GPD)	N/A	N/A	N/A
Length of water mains (miles)	N/A	N/A	N/A
Length of sewer mains (miles)	N/A	N/A	N/A
<p>Has this project been filed with MEPA before? <input type="checkbox"/> Yes (EEA #_____) <input checked="" type="checkbox"/> No Prior fare increases were filed with MEPA under the previous MEPA regulations, most recently in 1991 (EEA #8664). This ENF is solely for review of the service reductions being proposed. While these proposed service reductions are being proposed in conjunction with the proposed fare increase (which is not under review), they are wholly separate for the purpose of MEPA, and they are not related to the MEPA reviews of the previous fare increases.</p>			
<p>Has any project on this site been filed with MEPA before? <input checked="" type="checkbox"/> Yes (EEA #_____) <input type="checkbox"/> No Since the service reduction proposal encompasses the 175 cities and towns in the MBTA service area, many projects have been previously filed with MEPA that are "on this site" in the literal sense of that term; none, however, are related to this service reduction proposal.</p>			

GENERAL PROJECT INFORMATION - all proponents must fill out this section

PROJECT DESCRIPTION:

MEPA jurisdiction. The MEPA regulations do not have ENF thresholds for either fare increases or service reductions. The MBTA's enabling legislation, however, requires that "*for a systemwide decrease in service of 10% or more, the decrease shall be the subject of an environmental notification form initiating review pursuant to sections 61 and 62H, inclusive of chapter 30.*" (MGL 161A (5)(d)) The statute has no corresponding ENF requirement for a fare increase, though it does have requirements for public involvement and the creation of environmental findings for a fare increase.

The MBTA statute (MGL 161A) does not provide any guidance as to how to measure or what metric to use in measuring a 10% service reduction. Typically, a transit agency measures and reports several metrics related to transit usage, including passenger trips, passenger miles, vehicle revenue miles, and vehicle revenue hours. In the absence of such guidance, the MBTA has determined that either Vehicle Revenue Miles (*i.e.*, the total number of miles traveled by MBTA vehicles when in service) or Vehicle Revenue Hours (*i.e.*, the total hours that all transit vehicles are in service) is an appropriate metric against which to measure this reduction, since each measures the amount of service that the MBTA is providing. Metrics such as ridership or passenger miles travelled are customer responses to the service levels and therefore are not appropriate metrics. The two proposed scenarios each result in a reduction of Vehicle Revenue Hours (10.6% for **Scenario 1** and 23.6% for **Scenario 2**) as well as Vehicle Revenue Miles (16.8% for **Scenario 1** and 28.3% for **Scenario 2**), both of which exceed the 10% threshold in the statute.

Describe the existing conditions and land uses on the project site: The service reductions described in this ENF are across the entire MBTA service area, which covers 175 cities and towns in Eastern Massachusetts. For the purpose of this ENF, the MBTA has defined the "Project Site" to mean the entire MBTA service area, since the proposed service reductions are systemwide. A project site definition of this size does not lend itself well to the existing Environmental Notification Form that is filed for other site-specific MEPA projects, because it encompasses a wide range of land uses, topographies, and natural resource areas. For example, there are multiple ACECs, ORWs, historic resources, and mapped habitats for endangered species within this 3200+ square mile project area. It should also be considered that the proposed service reductions do not involve any project-related "work" or "activity" within the typical usage of these terms in MEPA. No construction activity will take place nor will there be any type of land disturbance that could affect these resources. In light of these considerations, throughout this ENF the MBTA has attempted to recognize that the project area may cover or include many of these resource areas, but it has noted that there is no direct impact to the resource areas that results from the service reductions.

Describe the proposed project and its programmatic and physical elements: The MBTA faces a projected budget deficit for FY 2013 (July 1, 2012 through June 30, 2013) of \$161 million. To address a budget deficit of this magnitude, the MBTA has determined that it must continue its ongoing program of operational and administrative efficiencies and use the other two tools within its reach by adjusting fare levels and reducing service or a combination of both. The MBTA has developed two potential alternatives (*i.e.*, **Scenario 1**

and **Scenario 2**) which utilize a combination of these two methods to varying degrees in an attempt to close the budget gap. **Scenario 1** raises the majority of the needed revenue through a fare increase, with the remainder of the deficit addressed by reducing service. **Scenario 2** is split approximately evenly between revenue gains from a fare increase and saved operating costs from service reductions. The Central Transportation Planning Staff (CTPS) to the Boston Region Metropolitan Planning Organization (MPO), using a spreadsheet model, assisted the MBTA in determining the fare levels for each mode and fare category that would be needed in the context of each scenario to reach the revenue targets the MBTA had established. It then used several analysis techniques to estimate and evaluate the impacts of each scenario's proposed fare increase and service reductions. Both the spreadsheet model and the Boston Region MPO's regional travel demand model set were used to estimate the projected ridership loss associated with each scenario and the net revenue change that would result from the lower ridership and higher fares. By employing both techniques, CTPS produced a range of potential impacts on ridership and revenue for each scenario. The travel demand model set was also used to predict the effects of the fare increase on regional air quality and environmental justice. CTPS' work is presented in the attached document (*Potential MBTA Fare Increase and Service Reductions in 2012: Impact Analysis*) which is an attachment to this ENF and which serves to fully describe the assessment of impacts of each of the two scenarios.

Scenario 1 is projected to raise annual fare revenue by \$123.2 million to \$134.6 million, through increasing fares by approximately 43.0 percent, and it is projected to save approximately \$38.3 million in operating costs, through reducing service, for a total estimated gain in annual revenue of \$161.5 million to \$172.9 million. **Scenario 1** is projected to result in a ridership loss of 34.0 million to 48.6 million annual unlinked passenger trips.

Scenario 2 is projected to raise annual fare revenue by \$86.8 million to \$104.0 million, through increasing fares by approximately 34.7 percent, and it is projected to save approximately \$78.4 million in operating costs, through reducing service, for a total estimated gain in annual revenue of \$165.1 million to \$182.4 million. **Scenario 2** is projected to result in a ridership loss of 53.1 million to 64.2 million annual unlinked passenger trips.

While the MBTA Statute does not require a MEPA review for fare increases, the MBTA is analyzing the proposed service reductions in conjunction with a proposed fare increase. As described in the CTPS report, service reductions alone will not provide sufficient cost savings to address the budget deficit. For that reason, the ENF, through the CTPS report, describes the impacts of both the fare increase and the service reductions in a single assessment, under two different scenarios. The MEPA review, however, is limited to assessing the environmental impacts of the service reductions. The analysis makes clear that the service reductions alone, if they were to take place without the accompanying fare increases, would account for only a portion of the ridership reductions, and thus would account for only a portion of the VMT and air quality impacts associated with those reductions. Therefore, the report may be considered as a worst case (or a more-than-worst-case) analysis of the environmental impacts of the service reductions.

The proposed service reductions will result under both scenarios in a shift from transit usage to automobile usage. There will be an increase in passenger Vehicle Miles Travelled (VMT) by automobile and a corresponding increase in all of the criteria air pollutants except nitrogen oxides, both calculated on a region-wide basis. We note that the ENF form, which

corresponds to the MEPA regulatory thresholds, pertains to site-specific increased auto trips involving “access to a single location” and site-specific air quality impacts from “new major stationary sources.” By contrast, the impacts of the service reduction proposal are dispersed across the entire region, and are not site specific as the MEPA regulations and the ENF form contemplate. The CTPS report also provides an assessment of the relative impacts of the two scenarios on Environmental Justice communities.

Public outreach process. The MBTA is currently holding a robust public outreach process, consisting of over 20 public hearings and meetings, and the public findings will be prepared upon the completion of that process. The MBTA prepared a public involvement document (*MBTA FARE AND SERVICE CHANGES: Join the Discussion*) to provide the public with information on the causes of the MBTA’s deficit, steps taken by the MBTA to bring financial stability to its budget, an explanation of the two deficit reduction scenarios, and information on how the public could participate in the public outreach over the plans. This outreach document was prepared in English, as well as Spanish, Portuguese, Haitian Creole, Vietnamese, Mandarin Chinese as well as Cape Verdean. The public process has been designed to be consistent with the MBTA’s enabling legislation and its public participation policies; federal requirements under the Americans with Disabilities Act (ADA), Title VI of the Civil Rights Act of 1964, and related Presidential Executive Orders; and the Massachusetts Public Accommodation law.

AREAS OF CRITICAL ENVIRONMENTAL CONCERN:

Is the project within or adjacent to an Area of Critical Environmental Concern?

Yes (Specify: **Multiple ACEC’s throughout Eastern Massachusetts**) No

The proposal encompasses the 175 cities and towns in the service area, which includes several ACEC’s; there is, however, no work or activity affecting any of the ACEC’s.

if yes, does the ACEC have an approved Resource Management Plan? ___ Yes **NA—see above**
___ No;

If yes, describe how the project complies with this plan.

Will there be stormwater runoff or discharge to the designated ACEC? ___ Yes **X** No;

If yes, describe and assess the potential impacts of such stormwater runoff/discharge to the designated ACEC.

RARE SPECIES:

Does the project site include Estimated and/or Priority Habitat of State-Listed Rare Species? (see

http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/priority_habitat/priority_habitat_home.htm) Yes (Specify: **Multiple mapped species areas throughout Eastern**

Massachusetts) No

The proposal encompasses the 175 cities and towns in the service area, which includes multiple Endangered and/or Priority Habitats; there is, however, no work or activity affecting any of the habitat areas.

HISTORICAL /ARCHAEOLOGICAL RESOURCES:

Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify Multiple state listed Historic Resources throughout Eastern Massachusetts)
 No

The proposal encompasses the 175 cities and towns in the service area, which includes multiple historic resources; there is, however, no work or activity affecting any of the resources.

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources? Yes (Specify _____) No

WATER RESOURCES:

Is there an Outstanding Resource Water (ORW) on or within a half-mile radius of the project site? Yes if yes, identify the ORW and its location.

The proposal encompasses the 175 cities and towns in the service area, which includes multiple ORWs; there is, however, no work or activity affecting any ORWs.

(NOTE: Outstanding Resource Waters include Class A public water supplies, their tributaries, and bordering wetlands; active and inactive reservoirs approved by MassDEP; certain waters within Areas of Critical Environmental Concern, and certified vernal pools. Outstanding resource waters are listed in the Surface Water Quality Standards, 314 CMR 4.00.)

Are there any impaired water bodies on or within a half-mile radius of the project site? Yes No; if yes, identify the water body and pollutant(s) causing the impairment:

The proposal encompasses the 175 cities and towns in the service area, including multiple impaired water bodies; there is, however, no work or activity that will directly affect any of these impaired water bodies.

Is the project within a medium or high stress basin, as established by the Massachusetts Water Resources Commission? Yes No

The proposal encompasses the 175 cities and towns in the service area, which includes multiple medium or high stressed basins; there is, however, no work or activity that will directly affect any of these basins.

STORMWATER MANAGEMENT:

Generally describe the project's stormwater impacts and measures that the project will take to comply with the standards found in MassDEP's Stormwater Management Regulations:

There are no stormwater impacts resulting from the proposed service reductions.

MASSACHUSETTS CONTINGENCY PLAN:

Has the project site been, or is it currently being, regulated under M.G.L.c.21E or the Massachusetts Contingency Plan? Yes No; if yes, please describe the current status of the site (including Release Tracking Number (RTN), cleanup phase, and Response Action Outcome classification):

Is there an Activity and Use Limitation (AUL) on any portion of the project site?

Yes No; if yes, describe which portion of the site and how the project will be consistent with the AUL

Are you aware of any Reportable Conditions at the property that have not yet been assigned an RTN? Yes ___ No **NA** – see below; if yes, please describe: _____

The proposal encompasses the 175 cities and towns in the service area, including multiple MCP sites, as well as AUL's and potentially RC's that have not yet been reported or assigned an RTN; the proposed service reductions will not, however, affect any of these MCP issues.

SOLID AND HAZARDOUS WASTE:

If the project will generate solid waste during demolition or construction, describe alternatives considered for re-use, recycling, and disposal of, e.g., asphalt, brick, concrete, gypsum, metal, wood: *(NOTE: Asphalt pavement, brick, concrete and metal are banned from disposal at Massachusetts landfills and waste combustion facilities and wood is banned from disposal at Massachusetts landfills. See 310 CMR 19.017 for the complete list of banned materials.)*

Will your project disturb asbestos containing materials? Yes ___ No **X**; if yes, please consult state asbestos requirements at <http://mass.gov/MassDEP/air/asbhom01.htm>

Describe anti-idling and other measures to limit emissions from construction equipment: _

The project does not involve construction; no anti-idling measures are necessary.

DESIGNATED WILD AND SCENIC RIVER:

Is this project site located wholly or partially within a defined river corridor of a federally designated Wild and Scenic River or a state designated Scenic River? Yes No ___ ; if yes, specify name of river and designation:

The proposal encompasses the 175 cities and towns in the service area, including multiple Wild and Scenic Rivers as well as state designated Scenic Rivers, however, no work or activity related to the proposed service reductions will directly affect any of these rivers.

If yes, does the project have the potential to impact any of the “outstandingly remarkable” resources of a federally Wild and Scenic River or the stated purpose of a state designated Scenic River? Yes ___ No **X** ; if yes, specify name of river and designation: _____; if yes, will the project will result in any impacts to any of the designated “outstandingly remarkable” resources of the Wild and Scenic River or the stated purposes of a Scenic River. Yes ___ No **X** ; if yes, describe the potential impacts to one or more of the “outstandingly remarkable” resources or stated purposes and mitigation measures proposed.

ATTACHMENTS:

1. *Potential MBTA Fare Increase and Service Reductions in 2012: Impact Analysis* (January 2012) prepared by the Central Transportation Planning Staff
2. *MBTA FARE AND SERVICE CHANGES: Join the Discussion* (January 2012) prepared by the MBTA
3. Map of the MBTA Service Area and Communities Served
4. List of all agencies and persons to whom the proponent circulated the ENF, in accordance with 301 CMR 11.16(2).

LAND SECTION – all proponents must fill out this section

I. Thresholds / Permits

A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1)) Yes No; if yes, specify each threshold:

The proposal encompasses the 175 cities and towns in the service area; however, no work or activity related to the proposed service reductions will directly affect any land resource.

II. Impacts and Permits

A. Describe, in acres, the current and proposed character of the project site, as follows:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings	<u> N/A </u>	<u> N/A </u>	<u> N/A </u>
Internal roadways	<u> N/A </u>	<u> N/A </u>	<u> N/A </u>
Parking and other paved areas	<u> N/A </u>	<u> N/A </u>	<u> N/A </u>
Other altered areas	<u> N/A </u>	<u> N/A </u>	<u> N/A </u>
Undeveloped areas	<u> N/A </u>	<u> N/A </u>	<u> N/A </u>
Total: Project Site Acreage	<u> N/A </u>	<u> N/A </u>	<u> N/A </u>

B. Has any part of the project site been in active agricultural use in the last five years? Yes No; if yes, how many acres of land in agricultural use (with prime state or locally important agricultural soils) will be converted to nonagricultural use? **None**

C. Is any part of the project site currently or proposed to be in active forestry use? Yes No; if yes, please describe current and proposed forestry activities and indicate whether any part of the site is the subject of a forest management plan approved by the Department of Conservation and Recreation:

D. Does any part of the project involve conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97? Yes No; if yes, describe:

D. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction?

E. Yes No; if yes, does the project involve the release or modification of such restriction? Yes No; if yes, describe:

F. Does the project require approval of a new urban redevelopment project or a fundamental change in an existing urban redevelopment project under M.G.L.c.121A? Yes No; if yes, describe:

G. Does the project require approval of a new urban renewal plan or a major modification of an existing urban renewal plan under M.G.L.c.121B? Yes No ; if yes, describe:

III. Consistency

A. Identify the current municipal comprehensive land use plan
Title: _____ Date _____

The proposal encompasses the 175 cities and towns in the service area; it is therefore not practicable to list or describe all of the applicable local plans.

B. Describe the project's consistency with that plan with regard to:

- 1) economic development _____ **NA** _____
- 2) adequacy of infrastructure _____ **NA** _____
- 3) open space impacts _____ **NA** _____
- 4) compatibility with adjacent land uses _____ **NA** _____

C. Identify the current Regional Policy Plan of the applicable Regional Planning Agency (RPA)

RPA: _____

Title: _____ Date _____

D. **The proposal encompasses the MBTA service area which includes part or all of the planning areas of seven different RPAs, so there is no single plan to consider for consistency.** Describe the project's consistency with that plan with regard to:

- 1) economic development _____ **NA** _____
- 2) adequacy of infrastructure _____ **NA** _____
- 3) open space impacts _____ **NA** _____

RARE SPECIES SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **rare species or habitat** (see 301 CMR 11.03(2))? Yes No; if yes, specify, in quantitative terms:

(NOTE: If you are uncertain, it is recommended that you consult with the Natural Heritage and Endangered Species Program (NHESP) prior to submitting the ENF.)

B. Does the project require any state permits related to **rare species or habitat**?
 Yes No

C. Does the project site fall within mapped rare species habitat (Priority or Estimated Habitat?) in the current Massachusetts Natural Heritage Atlas (attach relevant page)?
 Yes No.

The proposal encompasses the 175 cities and towns in the service area, including multiple mapped habitat areas; however, no work or activity related to the proposed service reductions will directly affect any habitat area.

D. If you answered "No" to all questions A, B and C, proceed to the **Wetlands, Waterways, and Tidelands Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Rare Species section below.

II. Impacts and Permits

A. Does the project site fall within Priority or Estimated Habitat in the current Massachusetts Natural Heritage Atlas (attach relevant page)? Yes No. If yes,

1. Have you consulted with the Division of Fisheries and Wildlife Natural Heritage and Endangered Species Program (NHESP)? Yes No; if yes, have you received a determination as to whether the project will result in the "take" of a rare species?
 Yes No; if yes, attach the letter of determination to this submission.

2. Will the project "take" an endangered, threatened, and/or species of special concern in accordance with M.G.L. c.131A (see also 321 CMR 10.04)? Yes No; if yes, provide a summary of proposed measures to minimize and mitigate rare species impacts

3. Which rare species are known to occur within the Priority or Estimated Habitat? **NA - see above.**

4. Has the site been surveyed for rare species in accordance with the Massachusetts Endangered Species Act? Yes **NA - see above** No

4. If your project is within Estimated Habitat, have you filed a Notice of Intent or received an Order of Conditions for this project? Yes No; if yes, did you send a copy of the Notice of Intent to the Natural Heritage and Endangered Species Program, in accordance with the Wetlands Protection Act regulations? Yes No

The service reductions are not subject to review under the Massachusetts Wetlands Protection Act, and therefore no Notice of Intent is required.

B. Will the project "take" an endangered, threatened, and/or species of special concern in accordance with M.G.L. c.131A (see also 321 CMR 10.04)? Yes No; if yes, provide a summary of proposed measures to minimize and mitigate impacts to significant habitat:

WETLANDS, WATERWAYS, AND TIDELANDS SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **wetlands, waterways, and tidelands** (see 301 CMR 11.03(3))? Yes No; if yes, specify, in quantitative terms:

B. Does the project require any state permits (or a local Order of Conditions) related to **wetlands, waterways, or tidelands**? Yes No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Water Supply Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wetlands, Waterways, and Tidelands Section below.

II. Wetlands Impacts and Permits

A. Does the project require a new or amended Order of Conditions under the Wetlands Protection Act (M.G.L. c.131A)? Yes No; if yes, has a Notice of Intent been filed? Yes No; if yes, list the date and MassDEP file number: _____; if yes, has a local Order of Conditions been issued? Yes No; Was the Order of Conditions appealed? Yes No. Will the project require a Variance from the Wetlands regulations? Yes No.

B. Describe any proposed permanent or temporary impacts to wetland resource areas located on the project site:

C. Estimate the extent and type of impact that the project will have on wetland resources, and indicate whether the impacts are temporary or permanent:

<u>Coastal Wetlands</u>	<u>Area (square feet) or</u>	<u>Temporary or</u>
	<u>Length (linear feet)</u>	<u>Permanent Impact?</u>

Land Under the Ocean	_____	_____
Designated Port Areas	_____	_____
Coastal Beaches	_____	_____
Coastal Dunes	_____	_____
Barrier Beaches	_____	_____
Coastal Banks	_____	_____
Rocky Intertidal Shores	_____	_____
Salt Marshes	_____	_____
Land Under Salt Ponds	_____	_____
Land Containing Shellfish	_____	_____
Fish Runs	_____	_____
Land Subject to Coastal Storm Flowage	_____	_____

Inland Wetlands

Bank (lf)	_____	_____
Bordering Vegetated Wetlands	_____	_____
Isolated Vegetated Wetlands	_____	_____
Land under Water	_____	_____
Isolated Land Subject to Flooding	_____	_____
Bordering Land Subject to Flooding	_____	_____
Riverfront Area	_____	_____

D. Is any part of the project:

1. proposed as a **limited project**? Yes No; if yes, what is the area (in sf)? _____
2. the construction or alteration of a **dam**? Yes No; if yes, describe:
3. fill or structure in a **velocity zone** or **regulatory floodway**? Yes No
4. dredging or disposal of dredged material? Yes No; if yes, describe the volume of dredged material and the proposed disposal site:
5. a discharge to an **Outstanding Resource Water (ORW)** or an **Area of Critical Environmental Concern (ACEC)**? Yes No
6. subject to a wetlands restriction order? Yes No; if yes, identify the area (in sf):
7. located in buffer zones? Yes No; if yes, how much (in sf) _____

E. Will the project:

1. be subject to a local wetlands ordinance or bylaw? Yes No
2. alter any federally-protected wetlands not regulated under state law? Yes No; if yes, what is the area (sf)?

III. Waterways and Tidelands Impacts and Permits

A. Does the project site contain waterways or tidelands (including filled former tidelands) that are subject to the Waterways Act, M.G.L.c.91? Yes No; if yes, is there a current Chapter 91 License or Permit affecting the project site? Yes No; if yes, list the date and license or permit number and provide a copy of the historic map used to determine extent of filled tidelands:

B. Does the project require a new or modified license or permit under M.G.L.c.91? Yes No; if yes, how many acres of the project site subject to M.G.L.c.91 will be for non-water-dependent use? Current Change Total
If yes, how many square feet of solid fill or pile-supported structures (in sf)?

C. For non-water-dependent use projects, indicate the following:

Area of filled tidelands on the site: _____

Area of filled tidelands covered by buildings: _____

For portions of site on filled tidelands, list ground floor uses and area of each use:

Does the project include new non-water-dependent uses located over flowed tidelands?

Yes No

Height of building on filled tidelands _____

Also show the following on a site plan: Mean High Water, Mean Low Water, Water dependent Use Zone, location of uses within buildings on tidelands, and interior and exterior areas and facilities dedicated for public use, and historic high and historic low water marks.

D. Is the project located on landlocked tidelands? Yes No; if yes, describe the project's impact on the public's right to access, use and enjoy jurisdictional tidelands and describe measures the project will implement to avoid, minimize or mitigate any adverse impact:

E. Is the project located in an area where low groundwater levels have been identified by a municipality or by a state or federal agency as a threat to building foundations? Yes No; if yes, describe the project's impact on groundwater levels and describe measures the project will implement to avoid, minimize or mitigate any adverse impact:

F. Is the project non-water-dependent **and** located on landlocked tidelands **or** waterways or tidelands subject to the Waterways Act **and** subject to a mandatory EIR? Yes No; *(NOTE: If yes, then the project will be subject to Public Benefit Review and Determination.)*

G. Does the project include dredging? Yes No; if yes, answer the following questions:

What type of dredging? Improvement Maintenance Both

What is the proposed dredge volume, in cubic yards (cys) _____

What is the proposed dredge footprint ___length (ft) ___width (ft)___depth (ft);

Will dredging impact the following resource areas?

Intertidal Yes___ No___; if yes, ___ sq ft

Outstanding Resource Waters Yes___ No___; if yes, ___ sq ft

Other resource area (i.e. shellfish beds, eel grass beds) Yes___ No___; if yes ___ sq ft

If yes to any of the above, have you evaluated appropriate and practicable steps to: 1) avoidance; 2) if avoidance is not possible, minimization; 3) if either avoidance or minimize is not possible, mitigation?

If no to any of the above, what information or documentation was used to support this determination?

Provide a comprehensive analysis of practicable alternatives for improvement dredging in accordance with 314 CMR 9.07(1)(b). Physical and chemical data of the sediment shall be included in the comprehensive analysis.

Sediment Characterization

Existing gradation analysis results? Yes No; if yes, provide results.

Existing chemical results for parameters listed in 314 CMR 9.07(2)(b)6? Yes No; if yes, provide results.

Do you have sufficient information to evaluate feasibility of the following management options for dredged sediment? If yes, check the appropriate option.

Beach Nourishment

Unconfined Ocean Disposal

Confined Disposal:

Confined Aquatic Disposal (CAD)

Confined Disposal Facility (CDF)

Landfill Reuse in accordance with COMM-97-001

Shoreline Placement

Upland Material Reuse

In-State landfill disposal

Out-of-state landfill disposal

(NOTE: This information is required for a 401 Water Quality Certification.)

IV. Consistency:

A. Does the project have effects on the coastal resources or uses, and/or is the project located within the Coastal Zone? Yes No; if yes, describe these effects and the projects consistency with the policies of the Office of Coastal Zone Management:

B. Is the project located within an area subject to a Municipal Harbor Plan? Yes No; if yes, identify the Municipal Harbor Plan and describe the project's consistency with that plan:

WATER SUPPLY SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **water supply** (see 301 CMR 11.03(4))? Yes No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **water supply**? Yes No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Wastewater Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Water Supply Section below.

II. Impacts and Permits

A. Describe, in gallons per day (gpd), the volume and source of water use for existing and proposed activities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Municipal or regional water supply	_____	_____	_____
Withdrawal from groundwater	_____	_____	_____
Withdrawal from surface water	_____	_____	_____
Interbasin transfer	_____	_____	_____

(NOTE: Interbasin Transfer approval will be required if the basin and community where the proposed water supply source is located is different from the basin and community where the wastewater from the source will be discharged.)

B. If the source is a municipal or regional supply, has the municipality or region indicated that there is adequate capacity in the system to accommodate the project? Yes No

C. If the project involves a new or expanded withdrawal from a groundwater or surface water source, has a pumping test been conducted? Yes No; if yes, attach a map of the drilling sites and a summary of the alternatives considered and the results. _____

D. What is the currently permitted withdrawal at the proposed water supply source (in gallons per day)? _____ Will the project require an increase in that withdrawal? Yes No; if yes, then how much of an increase (gpd)? _____

E. Does the project site currently contain a water supply well, a drinking water treatment facility, water main, or other water supply facility, or will the project involve construction of a new facility? Yes No. If yes, describe existing and proposed water supply facilities at the project site:

	<u>Permitted</u>	<u>Existing</u>	<u>Avg</u>	<u>Project Flow</u>	<u>TotalFlow</u>	<u>Daily Flow</u>
Capacity of water supply well(s) (gpd)	_____	_____	_____	_____	_____	_____
Capacity of water treatment plant (gpd)	_____	_____	_____	_____	_____	_____

F. If the project involves a new interbasin transfer of water, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or proposed?

G. Does the project involve:

1. new water service by the Massachusetts Water Resources Authority or other agency of

- the Commonwealth to a municipality or water district? Yes No
2. a Watershed Protection Act variance? Yes No; if yes, how many acres of alteration?
- a. a non-bridged stream crossing 1,000 or less feet upstream of a public surface drinking water supply for purpose of forest harvesting activities? Yes No

III. Consistency

Describe the project's consistency with water conservation plans or other plans to enhance water resources, quality, facilities and services:

WASTEWATER SECTION

I. Thresholds / Permits

- A. Will the project meet or exceed any review thresholds related to **wastewater** (see 301 CMR 11.03(5))? Yes No; if yes, specify, in quantitative terms:
- B. Does the project require any state permits related to **wastewater**? Yes No; if yes, specify which permit:
- C. If you answered "No" to both questions A and B, proceed to the **Transportation -- Traffic Generation Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Wastewater Section below.

II. Impacts and Permits

A. Describe the volume (in gallons per day) and type of disposal of wastewater generation for existing and proposed activities at the project site (calculate according to 310 CMR 15.00 for septic systems or 314 CMR 7.00 for sewer systems):

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Discharge of sanitary wastewater	_____	_____	_____
Discharge of industrial wastewater	_____	_____	_____
TOTAL	_____	_____	_____

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Discharge to groundwater	_____	_____	_____
Discharge to outstanding resource water	_____	_____	_____
Discharge to surface water	_____	_____	_____
Discharge to municipal or regional wastewater facility	_____	_____	_____
TOTAL	_____	_____	_____

B. Is the existing collection system at or near its capacity? Yes No; if yes, then describe the measures to be undertaken to accommodate the project's wastewater flows:

C. Is the existing wastewater disposal facility at or near its permitted capacity? Yes No; if yes, then describe the measures to be undertaken to accommodate the project's wastewater flows:

D. Does the project site currently contain a wastewater treatment facility, sewer main, or other wastewater disposal facility, or will the project involve construction of a new facility? Yes No; if yes, describe as follows:

	<u>Permitted</u>	Existing	Avg	<u>Project Flow</u>	<u>Total</u>
			<u>Daily Flow</u>		
Wastewater treatment plant capacity (in gallons per day)	_____	_____	_____	_____	_____

E. If the project requires an interbasin transfer of wastewater, which basins are involved, what is the direction of the transfer, and is the interbasin transfer existing or new?

(NOTE: Interbasin Transfer approval may be needed if the basin and community where wastewater will be discharged is different from the basin and community where the source of water supply is located.)

F. Does the project involve new sewer service by the Massachusetts Water Resources Authority (MWRA) or other Agency of the Commonwealth to a municipality or sewer district? Yes No

G. Is there an existing facility, or is a new facility proposed at the project site for the storage, treatment, processing, combustion or disposal of sewage sludge, sludge ash, grit, screenings, wastewater reuse (gray water) or other sewage residual materials? Yes No; if yes, what is the capacity (tons per day):

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Treatment	_____	_____	_____
Processing	_____	_____	_____
Combustion	_____	_____	_____
Disposal	_____	_____	_____

H. Describe the water conservation measures to be undertaken by the project, and other wastewater mitigation, such as infiltration and inflow removal.

III. Consistency

A. Describe measures that the proponent will take to comply with applicable state, regional, and local plans and policies related to wastewater management:

- B. If the project requires a sewer extension permit, is that extension included in a comprehensive wastewater management plan? ___ Yes ___ No; if yes, indicate the EEA number for the plan and whether the project site is within a sewer service area recommended or approved in that plan:

TRANSPORTATION SECTION (TRAFFIC GENERATION)

I. Thresholds / Permit

A. Will the project meet or exceed any review thresholds related to **traffic generation** (see 301 CMR 11.03(6))? ___ Yes **X** No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **state-controlled roadways**? ___ Yes **X** No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Roadways and Other Transportation Facilities Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Traffic Generation Section below.

II. Traffic Impacts and Permits

A. Describe existing and proposed vehicular traffic generated by activities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Number of parking spaces	_____	_____	_____
Number of vehicle trips per day	_____	_____	_____
ITE Land Use Code(s):	_____	_____	_____

B. What is the estimated average daily traffic on roadways serving the site?

<u>Roadway</u>	<u>Existing</u>	<u>Change</u>	<u>Total</u>
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

C. If applicable, describe proposed mitigation measures on state-controlled roadways that the project proponent will implement:

D. How will the project implement and/or promote the use of transit, pedestrian and bicycle facilities and services to provide access to and from the project site?

C. Is there a Transportation Management Association (TMA) that provides transportation demand management (TDM) services in the area of the project site? ___ Yes ___ No; if yes, describe if and how will the project will participate in the TMA:

D. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation facilities? ___ Yes ___ No; if yes, generally describe:

E. If the project will penetrate approach airspace of a nearby airport, has the proponent filed a Massachusetts Aeronautics Commission Airspace Review Form (780 CMR 111.7) and a Notice of Proposed Construction or Alteration with the Federal Aviation Administration (FAA) (CFR Title 14 Part 77.13, forms 7460-1 and 7460-2)?

III. Consistency

Describe measures that the proponent will take to comply with municipal, regional, state, and federal plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services:

TRANSPORTATION SECTION (ROADWAYS AND OTHER TRANSPORTATION FACILITIES)

I. Thresholds

A. Will the project meet or exceed any review thresholds related to **roadways or other transportation facilities** (see 301 CMR 11.03(6))? Yes No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **roadways or other transportation facilities**? Yes No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Energy Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Roadways Section below.

II. Transportation Facility Impacts

A. Describe existing and proposed transportation facilities in the immediate vicinity of the project site:

B. Will the project involve any

- 1. Alteration of bank or terrain (in linear feet)? _____
- 2. Cutting of living public shade trees (number)? _____
- 3. Elimination of stone wall (in linear feet)? _____

III. Consistency -- Describe the project's consistency with other federal, state, regional, and local plans and policies related to traffic, transit, pedestrian and bicycle transportation facilities and services, including consistency with the applicable regional transportation plan and the Transportation Improvements Plan (TIP), the State Bicycle Plan, and the State Pedestrian Plan:

ENERGY SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **energy** (see 301 CMR 11.03(7))? Yes No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **energy**? Yes No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Air Quality Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Energy Section below.

II. Impacts and Permits

A. Describe existing and proposed energy generation and transmission facilities at the project site:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Capacity of electric generating facility (megawatts)	_____	_____	_____
Length of fuel line (in miles)	_____	_____	_____
Length of transmission lines (in miles)	_____	_____	_____
Capacity of transmission lines (in kilovolts)	_____	_____	_____

B. If the project involves construction or expansion of an electric generating facility, what are:

1. the facility's current and proposed fuel source(s)?
2. the facility's current and proposed cooling source(s)?

C. If the project involves construction of an electrical transmission line, will it be located on a new, unused, or abandoned right of way? Yes No; if yes, please describe:

D. Describe the project's other impacts on energy facilities and services:

III. Consistency

Describe the project's consistency with state, municipal, regional, and federal plans and policies for enhancing energy facilities and services:

AIR QUALITY SECTION

I. Thresholds

A. Will the project meet or exceed any review thresholds related to **air quality** (see 301 CMR 11.03(8))? Yes No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **air quality**? Yes No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Solid and Hazardous Waste Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Air Quality Section below.

II. Impacts and Permits

A. Does the project involve construction or modification of a major stationary source (see 310 CMR 7.00, Appendix A)? Yes No; if yes, describe existing and proposed emissions (in tons per day) of:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Particulate matter	_____	_____	_____
Carbon monoxide	_____	_____	_____
Sulfur dioxide	_____	_____	_____
Volatile organic compounds	_____	_____	_____
Oxides of nitrogen	_____	_____	_____
Lead	_____	_____	_____

Any hazardous air pollutant _____
 Carbon dioxide _____

B. Describe the project's other impacts on air resources and air quality, including noise impacts:

III. Consistency

A. Describe the project's consistency with the State Implementation Plan:

B. Describe measures that the proponent will take to comply with other federal, state, regional, and local plans and policies related to air resources and air quality:

SOLID AND HAZARDOUS WASTE SECTION

I. Thresholds / Permits

A. Will the project meet or exceed any review thresholds related to **solid or hazardous waste** (see 301 CMR 11.03(9))? Yes No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **solid and hazardous waste**? Yes No; if yes, specify which permit:

C. If you answered "No" to both questions A and B, proceed to the **Historical and Archaeological Resources Section**. If you answered "Yes" to either question A or question B, fill out the remainder of the Solid and Hazardous Waste Section below.

II. Impacts and Permits

A. Is there any current or proposed facility at the project site for the storage, treatment, processing, combustion or disposal of solid waste? Yes No; if yes, what is the volume (in tons per day) of the capacity:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Treatment, processing	_____	_____	_____
Combustion	_____	_____	_____
Disposal	_____	_____	_____

B. Is there any current or proposed facility at the project site for the storage, recycling, treatment or disposal of hazardous waste? Yes No; if yes, what is the volume (in tons or gallons per day) of the capacity:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Storage	_____	_____	_____
Recycling	_____	_____	_____
Treatment	_____	_____	_____
Disposal	_____	_____	_____

C. If the project will generate solid waste (for example, during demolition or construction), describe alternatives considered for re-use, recycling, and disposal:

D. If the project involves demolition, do any buildings to be demolished contain asbestos?
__ Yes __ No

E. Describe the project's other solid and hazardous waste impacts (including indirect impacts):

III. Consistency

Describe measures that the proponent will take to comply with the State Solid Waste Master Plan:

HISTORICAL AND ARCHAEOLOGICAL RESOURCES SECTION

I. Thresholds / Impacts

A. Have you consulted with the Massachusetts Historical Commission? __ Yes __ **X** No; if yes, attach correspondence. For project sites involving lands under water, have you consulted with the Massachusetts Board of Underwater Archaeological Resources? __ Yes __ No; if yes, attach correspondence

B. Is any part of the project site a historic structure, or a structure within a historic district, in either case listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth? **X** Yes __ No; if yes, does the project involve the demolition of all or any exterior part of such historic structure? __ Yes **X** No; if yes, please describe:

C. Is any part of the project site an archaeological site listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth? **X** Yes __ No; if yes, does the project involve the destruction of all or any part of such archaeological site? __ Yes **X** No; if yes, please describe:

D. If you answered "No" to all parts of both questions A, B and C, proceed to the **Attachments and Certifications** Sections. If you answered "Yes" to any part of either question A or question B, fill out the remainder of the Historical and Archaeological Resources Section below.

II. Impacts

Describe and assess the project's impacts, direct and indirect, on listed or inventoried historical and archaeological resources:

Since the project encompasses the 175 cities and towns in the service area, there are multiple historic structures, historic districts, as well as archeological sites that are listed in the State Register of Historic Places or the Inventory of Historic and Archeological Assets of the Commonwealth. The proposed service reductions, however will not directly or indirectly affect any of these resources.

III. Consistency

Describe measures that the proponent will take to comply with federal, state, regional, and local plans and policies related to preserving historical and archaeological resources:

As the proposed service reductions will not directly or indirectly affect any historical or archeological resources, no such measures are proposed.

CERTIFICATIONS:

1. The Public Notice of Environmental Review has been/will be published in the following newspapers in accordance with 301 CMR 11.15(1):

(Name) ***The Boston Globe*** _____(Date)_February 8, 2012

2. This form has been circulated to Agencies and Persons in accordance with 301 CMR 11.16(2).

Signatures:

Date	Signature of Responsible Officer or Proponent	Date	Signature of person preparing NPC (if different from above)
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Andrew D. Brennan

Name (print or type)

Name (print or type)

Massachusetts Bay Transportation Authority

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