

Environmental Notification Form

Supplemental Water Supply



**Town of Ashland
June 30, 2015**

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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: Supplemental Water Supply for Town of Ashland		
Street Address: NA		
Municipality: Ashland	Watershed: Concord/SUASCO	
Universal Transverse Mercator Coordinates:	Latitude: Longitude:	
Estimated commencement date: 2016	Estimated completion date: 2016	
Project Type: Drinking Water	Status of project design: 25% complete	
Proponent: Town of Ashland		
Street Address: 20 Ponderosa Road		
Municipality: Ashland	State: MA	Zip Code:01721
Name of Contact Person: David Manugian		
Firm/Agency: Department of Public Works	Street Address:	
Municipality: Ashland	State: MA	Zip Code:
Phone:508-881-0120	Fax:508-881-0112	dmanugian@ashlandmass.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)?

11.03.(4) (a.) 2, New Interbasin Transfer of water of 1,000,000 or more gpd or any amount determined significant by the Water Resources Commission.

The project also includes new water service to a municipality; however, the project is being undertaken by Ashland, not by MWRA so Ashland believes that 11.03 (4) (a) 4. does not apply.

Which State Agency Permits will the project require?

- MA Interbasin Transfer Act
- Mass DEP BRP WS 32 – Distribution System Modifications
- MWRA OP#10, Admission of New Community to Water System
- MWRA 8(m) Permit¹

¹ This permit may be needed

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:

Summary of Project Size & Environmental Impacts	Existing	Change	Total
LAND			
Total site acreage	NA		
New acres of land altered			
Acres of impervious area	NA		
Square feet of new bordering vegetated wetlands alteration			
Square feet of new other wetland alteration			
Acres of new non-water dependent use of tidelands or waterways			
STRUCTURES			
Gross square footage	NA		
Number of housing units	NA		
Maximum height (feet)	NA		
TRANSPORTATION			
Vehicle trips per day	NA		
Parking spaces	NA		
WATER/WASTEWATER			
Water Use (Gallons per day) ¹	1.76 mgd	0	1.76 mgd
Water withdrawal (GPD) ²			
Wastewater generation/treatment (GPD) ³	1.18 mgd	0 ⁴	1.18 mgd
Length of water mains (miles)	85	0	85
Length of sewer mains (miles)	63	0	63
<p>¹ Ashland water use is 1.35 mgd and Hopkinton water use is 0.41 mgd. ² Up to 120 mg/yr (0.32 mgd) could be taken for the MWRA in order to supplement local wells ³ Ashland wastewater only ⁴ The proposed project is for Ashland to obtain supplemental water from MWRA. The supplemental water to Ashland from the MWRA is expected to have a secondary effect on wastewater generation, as supplemental water, in addition to providing enhanced reliability, will also enable some growth. Ashland is already a MWRA sewer community.</p>			
<p>Has this project been filed with MEPA before? <input type="checkbox"/> Yes (EEA # _____) <input checked="" type="checkbox"/> No¹</p>			
<p>¹ While Ashland has not previously filed an ENF to become an MWRA served community, the Town filed an ENF in 2007 to look at emergency water supplies: the ENF was withdrawn. The EEA # is 14095.</p>			
<p>Has any project on this site been filed with MEPA before? <input type="checkbox"/> Yes (EEA # _____) <input checked="" type="checkbox"/> No</p>			

GENERAL PROJECT INFORMATION – all proponents must fill out this section

PROJECT DESCRIPTION:

Describe the existing conditions and land uses on the project site:

Ashland currently has five wells that serve the Town and a portion of Hopkinton. The towns share the water and the associated costs. The state permits for the wells have varying criteria, including the level of the Hopkinton Reservoir, that regulate the use of the wells. However, calculations of both water use by the Towns and reservoir elevation between 2007 and 2014 show that historic reservoir levels have fluctuated significantly while demand has generally stayed constant. In the years where emergency connections to the MWRA were needed (2007 and 2013), water demand was average but reservoir levels were particularly low.

During the approvals for the emergency connection in 2007 the Massachusetts Department of Environmental Protection (MA DEP) and the MWRA required the Town to develop a long term plan to remedy supply deficiencies. Haley and Ward, the Town's consultant, developed a plan that looked at three options: making improvements to the existing plant, developing more wells in the Town, and connecting to the MWRA.

Improvements were made at the treatment plant. Three well sites were investigated; adding more wells at the current plant, reviving wells on Shore Road, and completing a partially completed well on Spring Street. Two MWRA options were investigated: a direct connection through Southborough and an indirect connection using Southborough's existing infrastructure. The MWRA indirect connection was considered to provide the most benefits based on the potential cost. The report is described in more detail below.

In the fall of 2013 Ashland was granted a second emergency connection that was installed but not used.

The Town's wells are also in a SWMI biological category 5 area and a groundwater withdrawal level 5 area. The area is considered as having a net groundwater depletion greater than 25%. It is therefore anticipated that our next WMA permit will require minimizing existing water withdrawal impacts.

This project is on conjunction with three other initiatives to reduce unaccounted for water as well as per capita water consumption. The Town has identified significant unaccounted for water due to underperforming meters. As part of its FY2016 budget the Town developed a plan to replace all manually read meters (approximately 3,400, or half of the Town's meters) in the next two years. At the 2015 annual town meeting the Town also implemented new water use regulations developed to promote greater water conservation. And the Town continues to perform an annual leak detection survey and repair all leaks found.

Appendix A has SWMI category maps and a map of Ashland showing all proposed flows into and out of the SuAsCo basin in Ashland; the current well approvals identifying use restrictions; copies of the DEP emergency declaration from 2007 and 2013; a copy of the water use restrictions bylaw approved at the 2015 annual town meeting; and a graphic comparing historic water use versus availability.

Describe the proposed project and its programmatic and physical elements:

Ashland is seeking approval for use of up to 1.6 million gallons per day (MGD) peak use and up to 120 million gallons annual use. This water would be purchased via an MWRA connection through Southborough.

The proposed project will primarily affect existing infrastructure. Existing water lines between Southborough and Ashland are approximately 60 feet apart along Oregon Road in Ashland. The connection will be a seven foot wide by fifteen foot long buried meter vault along the side of Oregon Road. A bypass pipe will be installed in the road in one lane, with the other lane undisturbed.

Other improvements include a new transformer and pad, new gate valve and pipe fittings, and pump improvements at Southborough's Hosmer pump station; an altitude valve and pipe fittings at Southborough's Overlook water storage tank; and approximately 1,550 linear feet of 12" water main installation from the Hosmer pump station. This work is shown on the conceptual design plans.

At the Hosmer pump station larger pumps are being installed to pump an average 2.8 MGD (1.8 MGD for Southborough and 1.0 MGD for Ashland). The new pumps will require a new pad-mounted transformer, new electric meter and disconnect switch, and can accommodate a larger 12" water main described below.

At the Overlook water storage tank, the altitude valve will be in a 12'9" by 7'5" building. New connections will be made to existing pipes.

A new 12" water main will be installed from the pump station. It will run approximately 60 feet through a grass area between the pump station and the access road to the pump station, and then run the remaining distance under the existing paved access road. Construction would be expected to take approximately two months but there is generally no public traffic along the access road.

With more water available, the Town also will have the flexibility to provide water to "straddle" projects and to increase wastewater flows at the same time it improves groundwater retention in the Ashland SuAsCo subbasins.

None of the proposed work is anticipated to have wetland impacts although some work may be within 10 feet of a wetland and thus Notices of Intent will be file with the local Conservation Commissions for Ashland and Southborough.

Total construction time is estimated to be approximately three months. Due to the separation of the projects the improvements may be done simultaneously. However there will be sensitivity to impacts on the Hosmer pump station and so work during periods of high water demand may be limited.

Appendix B has a letter report identifying the average and peak volumes able to be provided by Southborough; and a copy of the conceptual design plans.

NOTE: The project description should summarize both the project's direct and indirect impacts (including construction period impacts) in terms of their magnitude, geographic extent, duration and frequency, and reversibility, as applicable. It should also discuss the infrastructure requirements of the project and the capacity of the municipal and/or regional infrastructure to sustain these requirements into the future.

Describe the on-site project alternatives (and alternative off-site locations, if applicable), considered by the proponent, including at least one feasible alternative that is allowed under current zoning, and the reasons(s) that they were not selected as the preferred alternative:

The Town hired its water consultant, Haley and Ward, to investigate all potential well sites in the Town. Their report identified four options. The first included improvements at the current (Howe

Street) facility including the activation of new wells. The second included activating a well site on Spring Street. The third included activating a former well site on Shore Road. The final was either a direct or indirect MWRA connection.

Improvements were made to the Howe Street wells, primarily including the installation of variable flow drives on the existing wells. However it was determined that any new wells on the site would be drawing from the same aquifer as the existing wells and would be subject to the same restrictions.

The Spring Street site was a well site that received a new source approval in 1982 but never received a Water Management Act approval. Issues related to the site included no access to the property; potential residual water contamination from quarrying and asphalt production operations on an adjacent property; and significant reservoir impacts to the adjacent Ashland Reservoir.

The Shore Road site was former municipal water supply that is currently inactive. Testing was to simulate a well drawdown and significant impacts to adjacent wetlands were recorded. There were also concerns about water quality.

In addition, all of the well options were anticipated to have additional restrictions due to the SWMI regulations. The Town's wells as well as the Shore Road site are in a SWMI biological category 5 area while the Spring Street site is in a category 4 area. The current wells are in a groundwater withdrawal level 5 area whereas the Spring Street and Shore Road sites are in a level 2 area.

Appendix C has a copy of the Haley and Ward report.

NOTE: The purpose of the alternatives analysis is to consider what effect changing the parameters and/or siting of a project, or components thereof, will have on the environment, keeping in mind that the objective of the MEPA review process is to avoid or minimize damage to the environment to the greatest extent feasible. Examples of alternative projects include alternative site locations, alternative site uses, and alternative site configurations.

Summarize the mitigation measures proposed to offset the impacts of the preferred alternative:

The preferred alternative will have a positive effect on local water sources. Stream flow depletion in the SUASCO is a concern, as are the effects of Ashland's withdrawals on nearby DCR reservoirs. Use of MWRA's large multi-year reservoirs to reduce or replace withdrawals from local sources is an effective approach to reduce or alleviate low-flow conditions and water management issues.

If the project is proposed to be constructed in phases, please describe each phase:

Not applicable.

AREAS OF CRITICAL ENVIRONMENTAL CONCERN:

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

Yes (Specify _____)

No

if yes, does the ACEC have an approved Resource Management Plan? ___ Yes ___ No;
If yes, describe how the project complies with this plan.

Will there be stormwater runoff or discharge to the designated ACEC? ___ Yes ___ 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/dfwle/dfw/nhosp/regulatory_review/priority_habitat/priority_habitat_home.htm)

Yes (Specify _____) No

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 _____) No

Construction is limited to strengthening an existing pipeline interconnection between Southborough and Ashland. Pipes are in streets (?), and so the project is not anticipated to impact any historic structures.

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 No;

if yes, identify the ORW and its location. Reservoir No. 3 - Framingham

(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: _____.

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

More recently, as part of the MA DEP SWMI Initiative, river basins with high levels of flow alteration were identified in the Water Indicators project. The SWMI Interactive map indicates that Ashland is in an area of high flow alteration. Please see Appendix A which depicts this.

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: NA

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): No

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 ; if yes, please describe: _____

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:
NA

(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 ___ ;
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: _____

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 X ;
if yes, specify name of river and designation:

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 ___ ;
if yes, describe the potential impacts to one or more of the “outstandingly remarkable” resources or stated purposes and mitigation measures proposed.

Ashland withdraws water from wells in the SUASCO River Basin considerably upstream of designated Wild and Scenic SUASCO River segments. To the extent that water supply from MWRA to supplement Ashland’s existing wells will not require Ashland to increase its withdrawals in the SUASCO river basin, the downstream scenic rivers would potentially be effected in a positive manner.

ATTACHMENTS:

1. List of all attachments to this document.
2. U.S.G.S. map (good quality color copy, 8-½ x 11 inches or larger, at a scale of 1:24,000) indicating the project location and boundaries.
- 3.. Plan, at an appropriate scale, of existing conditions on the project site and its immediate environs, showing all known structures, roadways and parking lots, railroad rights-of-way, wetlands and water bodies, wooded areas, farmland, steep slopes, public open spaces, and major utilities.
- 4 Plan, at an appropriate scale, depicting environmental constraints on or adjacent to the project site such as Priority and/or Estimated Habitat of state-listed rare species, Areas of Critical Environmental Concern, Chapter 91 jurisdictional areas, Article 97 lands, wetland resource area delineations, water supply protection areas, and historic resources and/or districts.
5. Plan, at an appropriate scale, of proposed conditions upon completion of project (if construction of the project is proposed to be phased, there should be a site plan showing conditions upon the completion of each phase).
6. List of all agencies and persons to whom the proponent circulated the ENF, in accordance with 301 CMR 11.16(2).
7. List of municipal and federal permits and reviews required by the project, as applicable.

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 ___ X No; if yes, specify each threshold:

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>NA</u>	_____	_____
Internal roadways	<u>NA</u>	_____	_____
Parking and other paved areas	<u>NA</u>	_____	_____
Other altered areas	<u>NA</u>	_____	_____
Undeveloped areas	<u>NA</u>	_____	_____
Total: Project Site Acreage	<u>NA</u>	_____	_____

B. Has any part of the project site been in active agricultural use in the last five years? ___ Yes ___ X 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?

C. Is any part of the project site currently or proposed to be in active forestry use? ___ Yes ___ X 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 ___ X No; if yes, describe:

E. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction? ___ Yes ___ X 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 ___ X 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 ___ X; if yes, describe:

III. Consistency

A. Identify the current municipal comprehensive land use plan

Title: Ashland Comprehensive Plan Date 2003

and

An Economic Development Vision and Action Plan for the Town of Ashland.
2010

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

- 1) economic development: Ashland's Economic Development Plan notes that capital infrastructure improvements including water and sewer can facilitate economic growth.
- 2) adequacy of infrastructure: Plans note that the Town shall consider the existing and potential water and sewer capacity, and whether upgrades will be needed to

serve priority development sites. Ashland's pursuit of supplemental water supply from MWRA is a result of the Town's consideration of water (and sewer) capacity.

3) open space impacts: one factor in the town's consideration of supplemental water supply from MWRA is the fact that the Town's Howe Street wells are adjacent to the Hopkinton Reservoir, an important regional open space and recreation resource. Relieving stress on local water supplies contributes to the health of surrounding open space and water sources.

4) compatibility with adjacent land uses: Ashland's community vision is to encourage development which enhances community character and a sense of place.

C. Identify the current Regional Policy Plan of the applicable Regional Planning Agency (RPA)
RPA: Metropolitan Area Planning Council

Title: MetroFutures Date 2008

Title: I-495 MetroWest Development Compact Plan

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

- 1) economic development _Ashland is identified in the MetroFutures Plan as Higher Priority Growth Area. Ashland has good transportation access. More water availability will accommodate sustainable growth.
- 2) adequacy of infrastructure. The MetroFutures plan notes that the MWRA has adequate capacity to meet projected demand from now into the foreseeable future. MetroFutures goal related to water supply is: "Water resources will be carefully budgeted and sustainably managed so that clean water is available for appropriate uses and development." It identifies water conservation as a key increment of supply to serve new growth in many communities. Nowhere is the benefit of conservation to serve new communities more evident than in the case of using MWRA to supplement Ashland's local sources, since MWRA's water demand has declined from 340 mgd to 200 mgd after the implementation of a comprehensive water conservation program.
- 3) open space impacts: MetroFutures states that compact growth and more coordinated land acquisition would ensure that the region's important open spaces are not lost, and extols pedestrian trails, and open space resources. Ashland's proposed MWRA water supply withdrawals are not inconsistent with MetroFutures goals.

The I-495/MetroWest Development Compact Plan addresses water needs for the I-495/MetroWest area and identifies municipalities where water demand in a Regional Priorities Scenario is projected to significantly exceed current authorizations. Ashland is one of the communities identified.

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 X 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 X 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 X No.

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?

4. Has the site been surveyed for rare species in accordance with the Massachusetts Endangered Species Act? ___ Yes ___ 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

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 X 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 X 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 Length (linear feet)</u>	<u>Temporary or 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	_____	_____
<u>Inland Wetlands</u>		
Bank (If)	_____	_____
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))? X Yes ___ No; if yes, specify, in quantitative terms:

Ashland proposes to join the MWRA as a partially supplied community: withdrawals from MWRA are anticipated to be no more than 0.329 mgd on an annualized average day basis, and up to 1.6 mgd on a maximum day basis. This triggers the MEPA review threshold for a new interbasin transfer of water of 1,000,000 or more gpd or any amount determined significant by the Water Resources Commission.

The project also includes new water service to a municipality: however, the project is being undertaken by Ashland, not by MWRA so Ashland believes that 11.03 (4) (a) 4. does not apply.

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

For Ashland to obtain supplemental water supply from MWRA, Ashland will require MWRA approval under MWRA Operating Policy OP#10, Admission of New Community to the MWRA Water System.

Ashland will receive MWRA water through an interconnection with Southborough (Southborough is an existing MWRA water community). The interconnection may require a DEP BRP WS 32 – Distribution System Modifications.

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	<u>1,760,000*</u>	<u>328,700</u>	<u>2,088,700</u>
Withdrawal from groundwater	<u>1,760,000</u>		<u>1,760,000</u>
Withdrawal from surface water	<u>0</u>	<u>328,700</u>	<u>328,700</u>
Interbasin transfer	<u>0</u>	<u>328,700</u>	<u>328,700</u>

*Includes water that Ashland withdraws from groundwater sources and sells to Hopkinton.

(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? X Yes ___ No

Ashland has been working with the MWRA regarding the proposed connection. They provided the following text:

MWRA would be the source of supplemental supply. MWRA’s Safe Yield, traditionally defined as the ability to supply water on a continuous basis during a critical drought, is 300 mgd plus. The MWRA Water Service area is currently comprised of fifty communities. MWRA system demand now averages 200 mgd (5-year average 2010-2014). Service area demand has dropped significantly since the MWRA’s

formation, even as the geographic bounds of the MWRA service area have grown. MWRA's aggressive water conservation efforts, including local leak detection and repair programs, yielded significant gains early on, with a 20 percent drop in five years. A revised plumbing code, the shift in the commercial base from water-intensive manufacturing to less intensive users, good system management, and improved metering all likely contributed to lower demand. A decline in employment and price response also play a part in reducing water use in member communities.

In 2012, as part of a Master Planning Process, MWRA projected future demands of its existing water service area. Based on Regional Planning Agencies' and DOT's population and employment projections, and residential per capita water use estimated to be 65 RGPCD and the Water Resources Commission Water Needs Forecast methodology for employment, an additional 18 mgd of water demand is estimated by MWRA by 2035, for a total of 218 mgd. With continuing conservation, projected future demand may be even less.

The margin of more than 80 mgd between the projected demand of the existing service area and the 300 mgd capacity of MWRA's water sources provides more than adequate capacity for MWRA to accommodate Ashland.

MWRA has also evaluated the long-term impacts of various water demand scenarios on its reservoir system using system performance measures that were developed in the "Trigger Planning Study". The Trigger Planning Study was done in 1994 by MWRA staff in collaboration with the Water Supply Citizens Advisory Committee (WSCAC), Massachusetts Audubon Society and the Army Corps of Engineers. The reservoir performance measures used not only assess the ability of the system to satisfy projected demands, but also measure the corresponding impacts on the condition and ecology of Quabbin Reservoir and on the consumers served by the system. The performance measures were evaluated using approximately 50 years of data (October 1948 through September 2000) which includes the extreme drought of the mid 1960s. The detailed analysis will be presented in the EIR, and will demonstrate that additional demands by new communities will have an insignificant impact on reservoir performance measures.

Further, varying water demand at the levels associated with Ashland and other potential new communities' demand has no impact on MWRA's ability to maintain required minimum stream flows (which will also be addressed in the EIR).

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.

MWRA provided the following text:

Empirical operating experience of MWRA documents the adequacy of supply, given that in the 1980's water demand in the MWRA service area was more than 330 mgd. MWRA has also done extensive modeling of its reservoir system to evaluate demands on various reservoir performance measures. MWRA has indicated to Ashland that at the demands contemplated, demand from Ashland as well as the cumulative demands of other communities will have an insubstantial effect on reservoir performance measures. In addition, the MWRA transmission system is sized to accommodate demands well in excess of that contemplated with the admission of Ashland and other potential communities into the MWRA water system.

Further information on the reservoir system and the cumulative effects of Ashland's proposed withdrawal and other withdrawals by existing and new MWRA water supplied communities will be presented in an EIR on the donor basin.

D. What is the currently permitted withdrawal at the proposed water supply source (in gallons per day)? 312 mgd Will the project require an increase in that withdrawal? ___Yes XNo; if yes, then how much of an increase (gpd)? _____

MWRA provided the following text:

Under the Water Management Act (WMA) MWRA is registered to withdraw a combined total of 312.82 mgd from the Nashua and Chicopee River Basins (186.7 mgd for the Chicopee River Basin and for 126.12 mgd in the Nashua River Basin.)

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? X Yes* ___No. If yes, describe existing and proposed water supply facilities at the project site:

*Yes, if the project site is considered to be the Ashland water system.

	Permitted Flow	Existing Avg Daily Flow	Project Flow	Total
Capacity of water supply well(s) (gpd)	<u>2.18 mgd</u>	_____	_____	<u>2.18 mgd</u>
Capacity of water treatment plant (gpd)	_____	_____	_____	_____

Ashland has three active wells at Howe Street that draw from groundwater below Hopkinton Reservoir. The Town operates a water treatment plant at the Howe Street wellfield, which is adjacent to the Hopkinton State Reservoir. Water withdrawn from the Howe Street wells and subsequently treated is used to meet Ashland’s water demand: per an existing agreement between Ashland and Hopkinton, Ashland also provides up to 365 million gallons annually (fill in) to the neighboring town of Hopkinton, conditions permitting. The capacity of the water treatment plant is 6 million gallons per day.

Of the permitted flow of 2.18 mgd, 1.24 mgd is authorized by Ashland’s Water Management Act registration, and .95 mgd is authorized under Ashland’s WMA Permit.

D. 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?

According to the MWRA, MWRA’s source waters are the Quabbin and Wachusett Reservoirs in the Chicopee and Nashua River basins, respectively. To supplement yield, MWRA may also divert waters of the Ware River subject to time of year (winter, early spring) and flow restrictions (flows in the Ware River must be above 85 mgd). Therefore, the direction of interbasin transfer will be from the Chicopee and Nashua River Basins to the Concord/SUASCO (Sudbury/Assabet/Concord) River Basin.

The Interbasin Transfer Act (ITA) regulation defines “Present Rate of Interbasin Transfer to be “the hydraulic capacity of an interbasin transfer system which was authorized, constructed, and usable for water supply purposes without installation of additional facilities or changes in any authority operating rule prior to the effective date of the Act (1984)...” In 1984, MWRA’s water demand was 330 mgd. In addition, various state statutes grant MWRA, as the successor to MDC, the rights to use of the waters of the Swift, Ware, and Nashua rivers for water supply

Although the rate of Interbasin Transfer from MWRA’s sources in the Chicopee and Nashua River Basins to communities in the east was 330 mgd when the ITA was enacted, the Water Resources Commission has historically considered MWRA service to a new community to be a new Interbasin transfer of water.

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?
3. 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:

As continuing evidence of Ashland's commitment to water conservation, Ashland's residential consumption was 55 Residential Gallons per Capita per Day (RGPCD) in 2014, and annually varies from 55 to 60. This is lower than the EOEEA Water Conservation Standards and goal of 65 RGPCD. Ashland has also implemented:

- Leak detection
- Contingency Plan for handling water supply emergencies
- Public Building retrofits
- Audit of public buildings
- Public Information
- Water use restrictions

At the May, 2015 Ashland Town Meeting, the Town meeting approved bylaw changes that restrict outdoor lawn watering based on odd-numbered and even-numbered houses, and that restrict use of outdoor sprinklers, and that further restrict lawn watering to between the hours of 7 p.m and 7 a.m. The new bylaw also provides that by July 1, 2016, irrigation systems must be equipped with rain gauges and programmable timers.

Ashland also understands that MWRA by becoming an MWRA water served community, it will be able to participate in MWRA's water conservation program. MWRA has provided water conservation materials to all its communities and has required each community to conduct leak detection of its entire distribution system at least once every two years. Its leak detection program has been a model for the Commonwealth's Water Conservation Standards.

Ashland's Un-Accounted for Water (UAW) has varied in recent years from 15% to 28%. The Town has identified two major priorities for dealing with UAW; meter replacement and leak detection. Ashland is now planning and budgeting for a meter installation and replacement program, with Phase 1 of meter replacement to begin in spring of 2016 and the project to be complete in the fall of 2017. Ashland also performs annual leak detection and fixes all leaks identified each year.

Ashland recognizes that pursuant to the ITA regulations, all practical measures to conserve water are being taken in the receiving area. Conservation measures will be addressed in more detail in the Environmental Impact Report.

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:

Ashland is already an MWRA sewer community. The supplemental water supply by MWRA of 0.5 mgd on an annualized average basis will enable some development that could result in increased wastewater generation of approximately 0.4 mgd. Increased wastewater generation is an indirect result of supplemental water supply, but is not part of the project per se.

The increase in wastewater is less than the volume of supplemental water to be supplied by MWRA. The increase in wastewater is also less than the amount of wastewater flow from Ashland that MWRA assumed when it designed interceptor sewers to serve Ashland and adjacent towns since MWRA planned for the projected population and employment growth in Ashland and adjacent MWRA sewer served communities. The interceptors serving Ashland and adjacent communities were previously reviewed under MEPA and have received Interbasin Transfer Act approval.

It is important to note that there will be no change in the physical capacity of MWRA's interceptors transporting Ashland and adjacent MWRA sewer communities' flows. MWRA and Ashland have confirmed with the Water Resources Commission staff that interbasin transfer for wastewater will not be triggered. It is the stated policy of the Water Resources Commission to consider the volume of wastewater transfer under the Interbasin Transfer Act to include only that water that originated in the donor basin.

B. Does the project require any state permits related to **wastewater**? ___ Yes X 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>	<u>Existing Avg Daily Flow</u>	<u>Project Flow</u>	<u>Total</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 No; if yes, specify, in quantitative terms:

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

B. Does the project require any state permits related to **roadways or other transportation facilities**? ___ Yes X 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 X No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **energy**? ___ Yes X 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 X No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **air quality**? ___ Yes X 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 X No; if yes, specify, in quantitative terms:

B. Does the project require any state permits related to **solid and hazardous waste**? ___ Yes X 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? ___ Yes X No; if yes, does the project involve the demolition of all or any exterior part of such historic structure? ___ Yes ___ 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? ___ Yes X No; if yes, does the project involve the destruction of all or any part of such archaeological site? ___ Yes ___ 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:

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:

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) _____ (Date) _____

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)
	<u>David Manugian</u>		<u>David Manugian</u>
	Name (print or type)		Name (print or type)
	<u>Ashland Public Works</u>		<u>Ashland Public Works</u>
	Firm/Agency		Firm/Agency
	<u>20 Ponderosa Road</u>		<u>20 Ponderosa Road</u>
	Street		Street
	<u>Ashland</u>		<u>Ashland</u>
	Municipality/State/Zip		Municipality/State/Zip
	<u>(508) 532-7941</u>		<u>(508) 532-7941</u>
	Phone		Phone

Appendices

A – Existing Conditions Supporting Documents

B – Proposed Project Elements Supporting Documents

C – Project Alternatives Supporting Documents