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TOWN OF DETROIT
SHORELAND ZONING PERMIT APPLICATION

FEE - \$100.00

GENERAL INFORMATION

1. Applicant Central Maine Power Company	2. Applicant's Address 83 Edison Drive Augusta, Maine 04336	3. Applicant's Tel. # (207) 623-5321
4. Property Owner Central Maine Power Company	5. Owner's Address 83 Edison Drive Augusta, Maine 04336	6. Owner's Tel. # (207) 623-3521
7. Contractor	8. Contractor's Address	9. Contractor's Tel. #
10. Location/Address of Property Existing transmission line corridor from Pittsfield to Plymouth town line (Section 66/67, and 203 corridor)	11. Tax Map/Page & Lot # 7-32, 7-34, 5-31, 5-29, 4-29, 4-30, 4-73 (See also Deed Reference Table attached as Exhibit 4)	12. Zoning District Limited Residential (2) Resource Protection (2)

13. DESCRIPTION OF PROPERTY INCLUDING A DESCRIPTION OF ALL PROPOSED CONSTRUCTION, E.G. LAND CLEARING, ROAD BUILDING, SEPTIC SYSTEMS, AND WELLS (PLEASE NOTE THAT A SITE PLAN SKETCH IS REQUIRED).

The Maine Power Reliability Program (MPRP) is a Central Maine Power Company ("CMP") program to upgrade Maine's bulk power system. The vast majority of Maine's bulk power transmission system was placed into service in the early 1970s and is now reaching the limits of its ability to meet the growing electrical demand of Maine customers. Since the last major transmission infrastructure was completed more than 30 years ago, the patterns of both available generation and customer load have shifted significantly. For example, population has become more concentrated in the southern part of the state, while the generation needed to serve that load is now more distant and dispersed. When these changes are combined with increasing peak demand, the current transmission infrastructure in Maine will, in very few years, become inadequate and unsafe. In addition, the reliability and security standards mandated by law and administered by the North American Electric Reliability Corporation (NERC), the Northeast Power Coordinating Council, Inc. (NPCC), and ISO New England (ISO-NE) have changed significantly in recent years. CMP must upgrade its bulk power system with this proposed project to meet the mandatory standards and to provide reliable electric service to Maine customers into the future. In all, MPRP will encompass nearly 80 Maine towns, and will require approvals from the Maine Public Utilities Commission, the Maine Department of Environmental Protection, and numerous municipalities.

Project Description in the Town of Detroit

The part of the program located in the Town of Detroit involves work in an existing 218 foot wide transmission line corridor (Section 203) that traverses the central portion of the town. In this corridor, which extends for approximately 6.9 miles from Pittsfield to the Plymouth town line, the project involves the installation of a new 345 kV transmission line along the northeast side of the corridor (Section 3023 attached as Exhibit 2). The new line will be primarily constructed on approximately 63 two-pole wooden H-frame structures typically 75 feet above ground, and one steel single pole structure installed on the west side of the substation that will be approximately 135 feet above ground.

The project also involves the rebuilding of the existing 115 kV line (Section 203) from the Detroit substation to the Plymouth town line. The rebuilt line will be relocated to the southwest side of the corridor and will be primarily constructed using approximately 79 single pole wooden structures that are typically 75 feet above ground and one single pole steel structure installed on the east side of the substation that will be approximately 70 feet above ground. Additional tree clearing along portions of the southwest side of the existing corridor will be necessary to meet mandatory clearance and safety standards (see maps attached as Exhibit 1). The existing 115 kV lines from the Detroit substation to the Pittsfield town line (Sections 66 and 67 - 0.1 miles) will be rebuilt using two single pole wooden structures and two single pole steel structures that will be approximately 65 to 75 feet above ground.

Please note that structure heights vary due to varying terrain and the need to achieve spans which will avoid or minimize impacts to natural resources. Typical above ground structure heights are described above, although some structures may exceed those heights in specific instances (see the attached table in Exhibit 3 for a description of the number of structures within specific height ranges for the new and rebuilt transmission line sections).

The proposed upgrades in the Town of Detroit, as outlined above, are a part of the program to improve the reliability, safety, and security of the bulk power transmission system in Maine, while at the same time meeting the increasing demands for electrical power.

14. Proposed Use of Project

See Description above

15. Estimated Cost Of Construction

Approximately \$28.8 million for the MPRP project in the Town of Detroit

**TOWN OF DETROIT
SHORELAND AND PROPERTY INFORMATION**

<p>16. LOT AREA CMP has right, title, and interest to approximately 182 acres within the 6.9-mile project area in the Town of Detroit. See Deed Reference table attached as Exhibit 4.</p>	<p>17. FRONTAGE ON ROAD (FT.) The transmission line corridor crosses 5 public roads (West Dogtown Road, North Road (Route 100/11), River Road (Route 69), Troy Road (Route 220), Tuttle Road) with a corridor width of 218 feet at each crossing. See maps attached as Exhibit 1.</p>
<p>18. SQ. FT. OF LOT TO BE COVERED BY NON-VEGETATED SURFACES. The transmission line poles will cover less than 0.01% of the entire corridor and project area; the remainder will remain vegetated.</p>	<p>19. ELEVATION ABOVE 100 YR. FLOOD Portions of the project area will be located within 100-year floodplain areas along the East Branch of the Sebasticook River and Carlton Brook, as discussed in greater detail beginning on page 14.</p>
<p>20. FRONTAGE ON WATERBODY (FT.) The transmission line corridor crosses two waterbodies on the East Branch of the Sebasticook River and Carlton Brook, in each case with a corridor width of 218 feet. See maps attached as Exhibit 1.</p>	<p>21. HEIGHT OF PROPOSED STRUCTURE(S) Above ground structure heights will range from 61 to 103 feet as shown in greater detail on maps in Exhibit 1 and the structure height table on Exhibit 3.</p>
<p>22. EXISTING USE OF PROPERTY The property has been used as a transmission line corridor since the 1930s.</p>	<p>23. PROPOSED USE OF PROPERTY Improvements to transmission system capacity and reliability as part of the Maine Power Reliability Program. See Project Description above.</p>
<p><i>Note: Questions 24 & 25 apply only to expansions of portions of existing structures which are less than the required setback</i></p>	
<p>A) SQ. FT. OF PORTION OF STRUCTURE WHICH IS LESS THAN REQUIRED SETBACK AS OF 1/1/89: N/A</p>	<p>A) CU. FT. OF PORTION OF STRUCTURE WHICH IS LESS THAN REQUIRED SETBACK AS OF 1/1/89: N/A</p>
<p>B) SQ. FT. OF EXPANSIONS OF PORTION OF STRUCTURE WHICH IS LESS THAN REQUIRED SETBACK FROM 1/1/89 TO PRESENT: N/A</p>	<p>B) CU. FT. OF EXPANSIONS OF PORTION OF STRUCTURE WHICH IS LESS THAN REQUIRED SETBACK FROM 1/1/89 TO PRESENT: N/A</p>
<p>C) SQ. FT. OF PROPOSED EXPANSION OF PORTION OF STRUCTURE WHICH IS LESS THAN REQUIRED SETBACK: N/A</p>	<p>C) CU. FT. OF PROPOSED EXPANSION OF PORTION OF STRUCTURE WHICH IS LESS THAN REQUIRED SETBACK: N/A</p>
<p>D) % INCREASE OF SQ. FT. OF ACTUAL AND PROPOSED EXPANSIONS OF PORTION OF STRUCTURE WHICH IS LESS THAN REQUIRED SETBACK SINCE 1/1/89: (% INCREASE = (B + C)/A x 100) N/A</p>	<p>D) % INCREASE OF CU. FT. OF ACTUAL AND PROPOSED EXPANSIONS OF PORTION OF STRUCTURE WHICH IS LESS THAN REQUIRED SETBACK SINCE 1/1/89: (% INCREASE = (B + C)/A x 100) N/A</p>

SEE EXHIBIT 1 AND 2 IN THE MPRP PROJECT APPLICATION

SITE PLAN

PLEASE INCLUDE: LOT LINES; AREA TO BE CLEARED OF TREES AND OTHER VEGETATION; THE EXACT POSITION OF PROPOSED STRUCTURES, INCLUDING DECKS, PORCHES, AND OUT BUILDINGS WITH ACCURATE SETBACK DISTANCES FROM THE SHORELINE, SIDE AND REAR PROPERTY LINES; THE LOCATION OF PROPOSED WELLS, SEPTIC SYSTEMS, AND DRIVEWAYS; AND AREAS AND AMOUNTS TO BE FILLED OR GRADED. IF THE PROPOSAL IS FOR THE EXPANSION OF AN EXISTING STRUCTURE, PLEASE DISTINGUISH BETWEEN THE EXISTING STRUCTURE AND THE PROPOSED EXPANSION.

NOTE: FOR ALL PROJECTS INVOLVING FILLING, GRADING, OR OTHER SOIL DISTURBANCE YOU MUST PROVIDE A SOIL EROSION CONTROL PLAN DESCRIBING THE MEASURES TO BE TAKEN TO STABILIZE DISTURBED AREAS BEFORE, DURING AND AFTER CONSTRUCTION (See attached guidelines)

SCALE: _____ = _____ FT.

FRONT OR REAR ELEVATION

SIDE ELEVATION

DRAW A SIMPLE SKETCH SHOWING BOTH THE EXISTING
AND PROPOSED STRUCTURES WITH DIMENSIONS

ADDITIONAL PERMITS, APPROVALS, AND/OR REVIEWS REQUIRED

CHECK IF REQUIRED:

- PLANNING BOARD REVIEW APPROVAL
(e.g. Subdivision, Site Plan Review)
- BOARD OF-APPEALS REVIEW APPROVAL
- FLOOD HAZARD DEVELOPMENT PERMIT
- EXTERIOR PLUMBING PERMIT
(Approved THE 200 Application Form)
- INTERIOR PLUMBING PERMIT
- DEP PERMIT (Site Location,
Natural Resources Protection Act)
- ARMY CORPS OF ENGINEERS PERMIT
(e.g. Sec. 404 of Clean Waters Act)

OTHERS:

- MAINE PUBLIC UTILITIES COMMISSION
- _____
- _____
- _____

NOTE: APPLICANT IS ADVISED TO CONSULT WITH THE CODE ENFORCEMENT OFFICER AND APPROPRIATE STATE AND FEDERAL AGENCIES TO DETERMINE WHETHER ADDITIONAL PERMITS, APPROVALS, AND REVIEWS ARE REQUIRED

I CERTIFY THAT ALL INFORMATION GIVEN IN THIS APPLICATION IS ACCURATE. ALL PROPOSED USES SHALL BE IN CONFORMANCE WITH THIS APPLICATION AND THE City of Detroit SHORELAND ZONING ORDINANCE. I AGREE TO FUTURE INSPECTIONS BY THE CODE ENFORCEMENT OFFICER AT REASONABLE HOURS.

APPLICANT'S SIGNATURE	DATE
<u>John Titon TRC Eng. LLC</u>	<u>August 7th, 2009</u>
AGENTS SIGNATURE (if applicable)	DATE

APPROVAL OR DENIAL OF APPLICATION MAP see Page 1 LOT# Page 1
 (For Office Use Only)

THIS APPLICATION IS: APPROVED DENIED

IF DENIED, REASON FOR DENIAL:

IF APPROVED, THE FOLLOWING CONDITIONS ARE PRESCRIBED:

See Planning Board minutes of 1-14-2010
1-14-2010

NOTE: IN APPROVING A SHORELAND ZONING PERMIT, THE PROPOSED USE SHALL COMPLY WITH THE PURPOSES AND REQUIREMENTS OF THE SHORELAND ZONING ORDINANCE FOR THE TOWN OF Detroit

Stephen Seebus
 CODE ENFORCEMENT OFFICER

8-31-10
 DATE

INSPECTION CHECK LIST
~ Prior to Clearing and Excavation
~ Prior to Foundation Pour
~ Prior to Final Landscaping
~ Prior to Occupancy

PERMIT # 07-Shoreland-2010

FEE AMOUNT 100.00

Pd. 7-28-09