CENTRAL MAINE POWER COMPANY
RESPONSE TO ORAL DATA REQUEST NO. 3
DOCKET No. 2008-255

December 22, 2008

ODR-03-15

Q. Provide an estimate of the costs for the West Falmouth option described by Alison Beyea.

A. This proposed alternative is interpreted to include a new 345kV/115kV substation located at a point near the intersection of the Section 386,164 and 165 corridor with the Section 166 and 167 corridor in West Falmouth. This new W. Falmouth substation would split Section 386, creating two sections, and receive a new 345kV line from Surowiec. This new substation would also interconnect Sections 164 and 165, similar to the Elm Street Option. A 345kV/115kV autotransformer would be located at this new station.

Using the estimating approach implemented during the MPRP alternatives analysis, a comparative cost estimate for this alternative has been developed and is summarized in the following table, along with the costs of the equivalent components of the S1-Elm, and S1-Moshers alternatives.

Description	W. Falmouth	Elm St.	Moshers
	Estimated Costs, $/1000		
345kV/115kV Substation	$31,000[1]	$31,000[1]	$31,000[1]
Transmission Lines (Surowiec to new 345kV station)	$48,800[2]	$41,700[3]	$75,200[4]
115kV S. Portland Loop (new 345kv Station to Cape S/S)	$55,900[2]	$63,600[3]	$46,100[4]
Elm St to E. Deering 115kV reinforcement	$35,200[5]	-	$35,200[5]
Total	$170,900	$136,300	$187,500

1. Substation costs taken from 2007 comparative estimate. For details see the Petition, Volume I, page 56 and response to EX-07-02
2. Details for the Surowiec to W. Falmouth to Moshers to Cape estimated transmission costs are included in Attachment 1
3. For details of the Surowiec to Elm St. to Cape estimated transmission costs, see the Petition, Volume I, Page 55, Segments 18, 19, 36 and 36B
4. For details of the Surowiec to Moshers to Cape estimated transmission costs, see EX-07-02, Attachment 1 page 6, segments 18, 21 and 21A
5. Details for the Elm St to E. Deering 115kV reinforcement estimated costs are included in Attachment 2

The above table includes the estimated costs for establishing the South Portland loop to the Cape Substation from each of the three alternatives. While the South Portland Loop is not part of the MPRP, studies have shown this reinforcement is likely to be required sometime in the future. As such, the comparative costs for the later reinforcement of that section are included here.

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Furthermore, estimated costs for reinforcing the East Deering area have also been added to the W. Falmouth and Moshers options in order to bring each alternative to an equal footing with regard to local area reinforcements. For those two options, these reinforcements include a breaker-and-a-half 115kV substation located near the existing Elm Street substation, interconnecting Sections 164, 164A and a new 115kV line to E. Deering.

It should be noted that very limited field investigation has been completed for the site of the proposed W. Falmouth substation. To fully evaluate the feasibility of this site, environmental, real estate and topographic surveys would need to be completed and engineering analysis initiated.

Response Prepared and Submitted By:
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Attachments:

1. Surowiec to W. Falmouth to Cape Transmission Cost detail
2. Elm St to E. Deering 115kV Reinforcement Cost detail