

**CENTRAL MAINE POWER COMPANY  
RESPONSE TO EXAMINER'S DATA REQUEST NO. 6  
DOCKET No. 2008-255**

**October 6, 2008**

**EX-06-16**

- Q.** (Volume XI-B, Exhibit J, Page 450 of 595) Please show any differences in the short circuit analyses you performed and that done by NU. As part of your response, please explain why those differences exist between the two models.
- A.** On CMP's behalf, the MPRP short-circuit analysis was performed using ASPEN Oneliner and a transmission model from ISO-NE short-circuit database with transmission system upgrades through 2010. The NU short-circuit study for MPRP was performed with ASPEN Oneliner but used an internal PSNH Base Case maintained by PSNH which included breaker ratings. Below is a table comparing the differences in short-circuit fault levels at a few stations. The difference can be explained because they are two different models. The fault current of the two models shows they are within an acceptable tolerance.

**Table 1 - Short-circuit Fault Levels**

Station	MPRP ISO-NE Model (Amps)	MPRP PSNH Model (Amps)	Difference (%)
Deerfield 345 kV	20,225	20,233	0.04%
Scobie 345 kV	26,648	26,954	1.1%
Newington 345 kV	23,952	23,830	0.51%
Three Rivers 115 kV	15,274	15,220	0.36%

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