

1 **UNDERTAKING J3.10**

2  
3 **Undertaking**

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5 To confirm the non-fuel operating costs increase of approximately \$35M if the Darlington  
6 production target is increased to 29 TWh.  
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9 **Response**

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11 Darlington's 2010 target for non fuel operating costs is \$782.8M. This is equivalent to non-fuel  
12 operating costs of \$28.22/MWh at a Net Electrical Production Target of 27.74 TWh.  
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14 If Darlington's Net Electrical Production Target were increased to 29 TWh, the plant's non-fuel  
15 operating costs would be \$35.5M higher assuming that the 2010 non-fuel operating cost target  
16 of \$28.22/MWh remains the same.  
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18 However, a production target of 29 TWh for Darlington in 2010 is not achievable because of the  
19 number of planned outage days and the actual and expected forced loss rates ("FLR"). In 2010,  
20 the outage program includes two planned outages, as 2010 is the third year of the Darlington  
21 three-year outage cycle. In addition, Darlington's current 2010 year-end FLR projection is  
22 approximately 3.5 per cent. The station has been particularly challenged in 2010 with poor FLR  
23 performance due to fuel handling equipment issues. Even if Darlington were to operate at 100  
24 per cent full power for the balance of the year (i.e., zero per cent FLR) the plant's projected  
25 performance would be below 27.74 TWh.