



MEMORANDUM

Anne Coronado
Aspen Environmental Group
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September 30, 2010

RE: Sunrise Powerlink Project – Mitigation Measure Compliance
Mitigation Measure PS-1a Task 1 for Sunrise Powerlink Transmission Project

Ms. Coronado,

The Sunrise Powerlink 500kV line and 230kV line were designed to meet the conductor surface voltage gradients as specified in the "IEEE Guide for design of substation rigid bus structures" (IEEE Standard 605-1998) and calculated following industry-standard procedures, using the Bonneville Power Administration CORONA program. The calculated maximum conductor surface voltage gradient for the 500kV and 230kV conductors are below the maximum allowable voltage gradients as defined by the IEEE standard. In addition, the calculated maximum conductor surface voltage gradient for the 500kV and 230kV conductors were compared to the maximum gradient values presented in Figure 4 of the IEEE Radio Noise Design Guide – 1971 as "good engineering design practices." The calculated maximum surface voltage gradients are below the values presented in the 1971 design guide.

Please provide acceptance that Mitigation Measure PS-1a Task 1 is complete.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Gerry Akin', is written below the 'Sincerely,' text.

Gerry Akin – Project Manager – Overhead Construction & Engineering
Cc: Alan Colton, Manager – Environmental Services
Jonathan Woldemariam, Manager – Engineering & Procurement