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SUBJECT: Forwards NRC Commitment change to ensure that electric equipment would not be energized & operated in excess of continuous rating under expected switchyard voltages.

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WILLIAM L. STEWART
EXECUTIVE VICE PRESIDENT
NUCLEAR

102-03095-WLS/AKK/RKR
August 24, 1994

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-37
Washington, DC 20555

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Docket Nos. STN 50-528/529/530
NRC Commitment Change
File: 94-056-026

In a November 29, 1984 submittal (ANPP-31244), Arizona Public Service Company (APS) responded to NRC staff questions on overvoltage conditions at PVNGS. As part of the response, APS committed to check essential safety feature (ESF) transformer bus voltages and change tap settings prior to initiation of refueling and plant operation activities. At that time, this commitment ensured that electric equipment would not be energized and operated in excess of the continuous ratings under expected switchyard voltages.

Since that time, APS' knowledge of the electrical distribution system, including switchyard voltages, is more complete. APS has determined, based on experience used to complete more realistic design calculations, that it is not practical to change tap settings to accommodate light load conditions present during normal power operations or during refueling outages and still obtain viable distribution voltages under a fast bus transfer scenario. The analysis examined both overvoltage and undervoltage concerns. The analysis found that it was best to use a single tap setting that meets all of the operating requirements. Any subsequent tap changes would require a complete reanalysis to include calculation of minimum distribution system voltage at maximum loads and minimum anticipated offsite voltage, maximum distribution system voltage at minimum loads and maximum anticipated offsite voltage, and an analysis to ensure the terminal voltage presented to loads are within equipment ratings or are evaluated and justified. Therefore, APS no longer considers this commitment to be valid. Elimination of this commitment will result in a cost savings of over \$250,000 over the life of the units. This submittal is provided for your information.

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Should you have any questions, please contact Scott A. Bauer at (602) 393-5978.

Sincerely,

A handwritten signature in black ink, appearing to read "WLS Bauer", is written over the typed name "WLS".

WLS/AKK/RKR/dpr

cc: L. J. Callan
B. E. Holian
K. E. Perkins
K. E. Johnston
A. V. Godwin ARRA

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