
CW-YEC-01

Issue: YECSIM Model

Reference: Notes for Oct 8-19 Technical Session, PDF Page 4 of 22

Preamble: On PDF Page 5 of 22, YEC provides a thermal forecast for three different water levels.

Request:

- (a) Please confirm that the YECSIM model assumes a random distribution of water levels. If not confirmed, please fully explain.
- (b) Please fully discuss the impact on the YECSIM model if there is a trend in water levels. As an example, if through climate change there is a trend toward higher or lower water levels, what would the impact be on the use of a long-term average? In the response, please fully discuss how the probability of droughts may change.

CW-YEC-02

Issue: Impact of company decision on water levels

Reference: Notes for Oct 8-19 Technical Session, PDF Page 3 of 22

Preamble: While the use of an LTA may make sense in principle, the CW requires information to assess the possibility of management decisions influencing the LTA.

Request:

- (a) Please fully discuss the impact of company management decisions on water levels and the need for hydro. As an example, how would changes in maintenance schedules impact the availability of hydro generation, and the need for thermal generation, and impact the LTA?
- (b) Please fully discuss how the selection of any minimum water levels and forecast of water levels for the remainder of any particular season impact the LTA.
- (c) Please fully discuss the controls in place to ensure that management decisions cannot impact the actual water levels and the amounts collected from, or paid to the LWF.

CW-YEC-03

Issue: LNG Fuel Mix

Reference: Notes for Oct 8-19 Technical Session, PDF Page 20 of 22

Preamble: YEC discusses a Diesel/LNG fuel mix of 90:10.

Request:

- (a) Please fully discuss the environmental impact of each of diesel and LNG.
- (b) Please fully discuss the possibility of alternate fuels such as wind or solar to replace fossil fuels.
- (c) Please provide the maximum diesel/LNG fuel mix, if LNG were used to the maximum.