

APPENDIX TO LICENSE MEASUREMENT REPORT  
M001319

Questions M13-M17:

The measurement method used relies upon authoritative data and gaging instrumentation owned and operated by the United States Geological Survey (gage nos. 11289500, 11289000, 11289650, 11287500, 11275500, 11277200, 11277500), and is based upon standard, uniform, best practice for deriving reservoir inflow, which is the sum of the change in reservoir storage, reservoir evaporation, and total reservoir release (reservoir releases to the Tuolumne River and the Turlock and Modesto Irrigation Districts' canals).

Question M18:

For 2020, some or all of the Don Pedro generation units were out of service at any time, and the Districts could not maximize the powerhouse as usual. The result was that the measurement method for power diversion used prior to 2017, which assumes maximum powerhouse, was no longer reliable. Instead, the Districts used the measured generation and the reservoir elevation/generation efficiency to calculate the water release through the powerhouse. Because not all of the units are back on line, the districts applied this method for the entire year. The districts are evaluating whether or not this is a more accurate method than that used previously.