

APPENDIX F

HYDROLOGY AND POWER GENERATION DATA

This appendix provides hydrologic data and powerhouse generation data on Compact Disc (CD) for the Project. Data on the CD are organized into folders as summarized below.

DSS Data Files. This folder contains regulated (historical) hydrologic data, without-Project flow data and unimpaired flow data in HEC-DSS format. A viewer for these files (HEC-DSSVue) can be obtained from the United States Army Corps of Engineers (USACE) at the following website as of August 2015: <http://www.hec.usace.army.mil/software/hecdssvue/downloads.aspx>

Exceedance Plots: This folder contains both Microsoft Excel and Adobe Acrobat files of exceedance plots of historical regulated flows and reservoir storage, and unimpaired flows for locations throughout the Project Area. Historical regulated mean daily flows and reservoir storage are presented for the full period of record for the following locations:

- Camp Far West Reservoir storage
- Camp Far West Reservoir water-surface elevation
- Camp Far West Dam fish flow release
- Camp Far West Dam low-level outlet
- Camp Far West Reservoir Powerhouse
- Camp Far West Dam Spillway
- Bear River near Wheatland, CA
- Bear River near Pleasant Grove, CA

Mean daily unimpaired flows are presented in exceedance plots for the following locations:

- Bear River at Camp Far West Dam

Haze Charts: This folder contains a Microsoft Excel and Adobe Acrobat file of figures showing daily flows for each water year overlain on top of one another to demonstrate historical trends and variability throughout the water year. Haze charts are presented for the following locations:

- Camp Far West Reservoir storage
- Camp Far West Reservoir water-surface elevation
- Camp Far West Dam fish flow release
- Camp Far West Dam low-level outlet

- Camp Far West Dam Powerhouse
- Camp Far West Dam Spillway
- Bear River near Wheatland, CA
- Bear River near Pleasant Grove, CA

Monthly Summaries: This folder contains a Microsoft Excel file and Adobe Acrobat file of bar charts showing average monthly flows and the range of average monthly flows throughout the period of record for a number of locations throughout the watershed. The monthly average flows are presented for the following locations:

- Camp Far West Reservoir storage
- Camp Far West Dam fish flow release
- Camp Far West Dam low-level outlet
- Camp Far West Dam Powerhouse
- Camp Far West Dam Spillway
- Bear River near Wheatland, CA
- Bear River near Pleasant Grove, CA

Power Generation: This folder contains a Microsoft Excel file with a time series of historical daily power generation at the Camp Far West Powerhouse for the period from 2005 through 2014.

Stage-Storage Curves: This folder contains two spreadsheets relating reservoir water-surface elevation to reservoir storage and surface area for Camp Far West Reservoir. One spreadsheet contains data measured in 1968 and was used to convert reservoir stage to storage for calendar years 1968 through 2008. The other spreadsheet contains data measured in 2008 and was used to convert reservoir stage to storage starting January 1, 2009 through the present.

In addition to the hydrologic data included in the CD, a memo describing methods used to develop unimpaired hydrology for the Bear River is included.

Due to the file size of the Hydrology and Power Generation data, it is not filed with FERC or posted on the relicensing website, but a CD of the files can be obtained by contacting Jim Lynch at HDR (telephone 916-679-8740 or e-mail james.lynch@hdrinc.com).

Appendix F

Hydrology and Power Generation Data on CD

In conformance with the Federal Government's paper reduction efforts and for efficiency purposes, a copy of Appendix F is not included in SSWD's PAD, but the Appendix F – Hydrology and Power Generation Data CD is included by reference. A copy of Appendix F will be made available by SSWD upon request.

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