

2.1 Federal Secondary Energy Analysis (FSEA).

2.1.1 Overview

The FSEA estimates nonfirm energy availability for the Non-Firm Energy Analysis Program (NFRAP) model which provides revenue and costing analysis for the ratemaking process. The methods and details supporting the input parameters of the FSEA analysis are contained in the Loads and Resources Study, WP-96-FS-BPA-01, and the Loads and Resources Study Documentation, Volumes 1 and 2, WP-96-FS-BPA-01A and WP-96-FS-BPA-01B.

2.1.2 FSEA Loads and Resources Process

The FSEA Study process uses estimated loads, contracts, and resources in a process similar to that detailed in the Loads and Resources Study, WP-96-FS-BPA-01. The regional load forecasts were developed as described in section 2 of the Study, WP-96-FS-BPA-01; in section 3 of the Documentation, Volume 1, WP-96-FS-BPA-01A; and detailed monthly for operating years (OY) 1997 through 2002 in sections 1,2, 4 and 5 in the Documentation, Volume 2, WP-96-FS-BPA-01B. The contracts are detailed in section 2 of the Study, WP-96-FS-BPA-01, and are shown monthly for OYs 1997 through 2002 in sections 2, 3, 5 and 6, in the Documentation, Volume 2, WP-96-FS-BPA-01B. The resources are estimated in the following manner: 1) non-hydro resources were evaluated for their expected energy output as discussed in section 2 of the Study, WP-96-FS-BPA-01; and 2) the generation from the hydro system was provided by hydro regulation studies, which estimate the hydro generation by project for the 50-water conditions as detailed in the Hydro Regulation Study section of the Documentation, Volume 2, WP-96-FS-BPA-01B. Resources are shown monthly for OYs 1997 through 2002 in sections 2, 3, 5 and 6, in the Documentation, Volume 2, WP-96-FS-BPA-01B.

The following tables present the resulting Federal system energy loads and resources balances for each of the 50-water conditions for fiscal years (FY) 1997 through 2002 showing the Federal nonfirm energy. The tables are shown in FY to be consistent with formats used for the NFRAP model. The FSEA assumed Federal system loads under 1930 water conditions for each operating year. Therefore, the Federal system loads for each operating year did not vary over the 50-water conditions, while hydro generation was varied both by operating year and the 50-water conditions.