

Reclamation Manual

Directives and Standards

Subject: Power Statistics

Purpose: Establishes general standards for Reclamation power statistics.

Authority: The Reclamation Act of 1902 (Act of June 17, 1902, 32 Stat. 388), the Town Sites and Power Development Act of 1906 (Act of April 16, 1906, ch. 1631, 34 Stat. 116), the Boulder Canyon Project Act of 1928 (Act of December 21, 1928, ch. 42, 45 Stat. 1057), Reclamation Project Act of 1939 (Act of August 4, 1939, ch. 418, 53 Stat. 1187), the Flood Control Act of 1944 (Act of December 22, 1944, ch. 665, 58 Stat. 887), the Colorado River Storage Act (act of April 11, 1956, ch. 203, 70 Stat. 105), the Department of Energy Organization Act of 1977 (Act of August 4, 1977, Public law 95-91 Stat. 565), and acts relating to individual dams or projects.

Contact: Power Resources Office, D-5400

1. **Introduction.** Reclamation, as an agency of the Department of the Interior, has statutory responsibilities for comprehensive planning, development, and management of multipurpose water and related land resource projects for multiple objectives, including generation of hydroelectric power. Maintaining accurate and comprehensive power operation statistics plays a vital role in enabling Reclamation managers to analyze the performance of Reclamation facilities. In addition, it allows Reclamation to satisfy regulatory and voluntary statistical reporting.
2. **General Statistical Records.** The growing complexity of interconnected power systems requires increased emphasis on the analysis of system performance to ensure achievement of the best reliability for all system components commensurate with economic considerations. One of the most important requisites for such analysis is the availability of clear, concise, and accurate records on power system operations and maintenance.

The Power Resources Office (PRO) of the Office of Program and Policy Services shall maintain statistical records on the generation, sale, and related aspects of both Reclamation and non-Reclamation power and energy. The PRO is responsible for the collection and consolidation of regional power data. The PRO compiles and publishes an annual Reclamation-wide Performance Data Book utilizing the statistical data reported from the regions. Additionally, the PRO develops and distributes, in coordination with the Regional offices, various required power statistical reports to the Department of the Interior (DOI), Department of Energy (DOE), Energy Information Administration (EIA), Federal Energy Regulatory Commission (FERC), North American Electric Reliability Council (NERC), Western Electricity Coordinating Council (WECC), Electrical World, Power Engineering, Edison Electric Institute (EEI), auditors, and the American Public Power Association (APPA). Each regional office shall maintain similar records concerned primarily with its own power facilities located within the region. Regional Directors shall ensure that

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regional records are complete and accurate, without unnecessary duplication among the offices and area offices.

3. **General Minimum – Data and Reporting Requirements:** Generally, statistical operating data should include the following:
 - A. **Energy.** A monthly energy production report that includes gross and net generation, and plant use. Additionally, and if available, power exchanges, system input, capacities, and related data, by plant, project, and in chronological order by date and hour will be recorded. Power projects shall provide monthly reports as described in Facilities Instructions, Standards, & Techniques (FIST) Volume 1-3 to the regional office. Regional offices shall forward the monthly reports to the Power Resources Office, D-5400, to reach that office by the 20th day of the month following the reported month.
 - B. **Disposition of energy.** A monthly report on the disposition of energy for project loads by project and project features as appropriate.
 - C. **Project use revenue.** Revenue from the sale of project use power and energy, by project and project features as appropriate will be reported monthly.
 - D. **Individual event reports.** Power projects shall provide individual event reports as described in FIST Volume 1-3 when required.
 - E. **Additional Reports.** Additional reports may be required in individual regions.
4. **Sources of Data.**
 - A. **Financial and related data.** - Historical financial and related data shall be obtained from the appropriate level of finance organization; and if, to meet time requirements, estimates or preliminary data are used, such data shall be qualified as tentative and subject to revision. Periodically, financial and related data shall be reconciled with final financial statements.
 - B. **Historical record.** - A comprehensive historical record of power and energy consists of a file of Reclamation data, and publications by FERC, Edison Electric Institute, Energy Information Administration, reliability organizations, trade journals, and other similar sources required for Reclamation's performance measurements.