

# **federal register**

**THURSDAY, SEPTEMBER 2, 1976**



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**PART IV:**

## **FEDERAL POWER COMMISSION**

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**ANNUAL REPORT  
OF POWER SYSTEM  
ENERGY ACCOUNTING,  
PEAK DEMANDS, AND  
INTERSYSTEM PURCHASES  
AND SALES**

**New FPC Form No. 158**

## FEDERAL POWER COMMISSION

[ 18 CFR Part 141 ]

[Docket No. RM76-31]

## ANNUAL REPORT OF POWER SYSTEM ENERGY ACCOUNTING, PEAK DEMANDS, AND INTERSYSTEM PURCHASES AND SALES

New FPC Form No. 158

August 18, 1976.

Notice is hereby given pursuant to the Administrative Procedure Act, 5 U.S.C. 553, and sections 10, 19, 20, 202, 205, 206, 207, 304, 309 and 311 of the Federal Power Act<sup>1</sup>, that the Commission proposes to add § 141.69 to Part 141 of the Approved Forms under the Federal Power Act to provide that a new FPC Form No. 158 be required for reporting. The proposed new form would be entitled "Annual Report of Power System Energy Accounting, Peak Demands, and Intersystem Purchases and Sales."

During the period of critical energy needs, such as the nation is currently experiencing, the public interest requires that the Commission have available to it current and continuing information on the operations of electric utilities transmitting and distributing electric energy for sale in interstate commerce. The interests of those electric utilities regulated by the Commission also require efficient and progressive means of regulation.

On September 26, 1973, in Docket No. R-438, the Commission issued Order No. 494, amending Part 2, Chapter I, Title 18 of the Code of Federal Regulations and setting forth Commission policy for the development of a fully automated computer regulatory system to provide such information. When developed and fully operative, the system will provide prompt and ready access to data contained in a central electronic data bank, eliminating the duplication of information now collected and reducing the quantity of existing manual files. This system will not only facilitate the evaluation and analysis of all data, but it will also accommodate the development of new regulatory techniques.

In Order No. 494, the Commission stated that all existing "hard copy" public use forms would be redesigned and consolidated to eliminate redundancies and that instructions for reporting would be clarified by use of Electronic Data Processing (EDP) Technology. Public use form information, as it is currently submitted, will be replaced by the submission of individual data elements within a general data element and code scheme. It is anticipated that this major system revision will result in the reduction of the total number of data items currently transmitted to the Commission by the respondents.

<sup>1</sup> 41 Stat. 1038-1070, 1073, 1074; 49 Stat. 842-844, 848, 849, 851-853, 855, 856, 858, 859; 67 Stat. 461; 82 Stat. 617; 16 U.S.C. 803, 812, 813, 824a, 824d, 824e, 824f, 825c(b), 825c(c), 825h, 825j.

In Order No. 494, the Commission further stated that the development of the automated computer information system would be effected through the use of phased rulemaking proceedings in which various Commission reporting procedures and report forms would be restructured. To this end, Form No. 158 is designed to incorporate into a readily retrievable data processing system some of the information currently submitted on FPC Form Nos. 1<sup>1</sup>, 1F<sup>2</sup>, 1M<sup>3</sup>, 12<sup>4</sup>, 12A<sup>5</sup>, and 12D<sup>6</sup>.

With the exception of a 10-year load forecast, rather than the 4-year period currently requested, no new data would be required by Form No. 158. However, the new form would eliminate considerable duplicate reporting which now exists for those respondents presently filing both a Form 1 and a Form 12. It would also clarify and refine the energy accounting methods which now differ between the Form 1 and Form 12 by proposing only one method of energy accounting. The present definition of "net energy for system" and the definition of "system" is unchanged in the proposed form. However, the proposed new definition of "net energy for load" would include a more precise and realistic method for accounting for transmission of electricity for or by others, sometimes referred to as "wheeling."

The proposed FPC Form No. 158 would consist of 17 schedules, Schedules 661, 662, 676, 679-684, 708-714, and 856. There would be 14 schedules required to be completed by electric utilities operating systems designated as Type I,<sup>7</sup> by the Commission. There would be 4 schedules required to be completed by systems designated as Type II or III. One schedule (Schedule 70) may be requested of additional electric utilities whether private, public or Federal, since the schedule collects information on "sales for resale."

Schedule 662 pertains to system dependable capacity at time of expected annual peak load.

Type I—a system for which the operating utility owns, leases, or purchases installed capacity to meet directly that system's total load requirements, as well as any Type II or III system's load requirements by way of contract, either in part or total. The system generally has plans for additional installed capacity to meet its projected load requirements, as well as any Type II or III system's projected requirements. Bulk power transmission systems may also be designated as Type I.

Type II—a system for which the operating utility owns, leases or purchases installed capacity to meet directly that

<sup>1</sup> 18 CFR 141.1 (1975).

<sup>2</sup> 18 CFR 141.2 (1975).

<sup>3</sup> 18 CFR 141.7 (1975).

<sup>4</sup> 18 CFR 141.51 (1975).

<sup>5</sup> 18 CFR 141.52 (1975).

<sup>6</sup> 18 CFR 141.55 (1975).

<sup>7</sup> Systems are assigned a type designation by FPC depending on the degree with which their electric generation and transmission facilities meet their own requirements, requirements of other systems, and affect the surrounding bulk power supply.

system's load requirements only in part and generally does not plan additional installed capacity to meet projected total load requirements. These systems may be called "partial requirement customers" of other systems. Small isolated systems may also be designated as Type II.

Type III—a system for which the operating utility does not own, lease, or purchase installed capacity to meet directly any of that system's load requirements. These systems may be called "total requirement customers" of other systems.

Schedule 708 pertains to system net generation by generating type (i.e. gas turbine, steam electric—nuclear, hydroelectric, etc., pumping energy requirements and totals.

Schedules 709 through 712 pertains to system purchases or sales for resale, interchange power, transmission of electricity for or by others, and "borderline customers" receipts and deliveries along with associated revenues, costs or other forms of compensation.

Schedule 713 pertains to ultimate consumer deliveries and system losses.

Schedule 684 pertains to distribution of loads in system service areas and Schedule 356 pertains to the map of the system service areas.

Schedule 714 summarizes by month the system total net generation, energy transfers which are accounted in such a way as to provide the "net energy for system," "net energy for load," and associated peak loads.

Schedules 680 and 681 collect hourly system loads for three specified weeks.

Schedules 661, 676, and 679 pertain to system generation, energy transfers, peak loads reported in considerably less detail for electric utilities with systems designated as Type II or III.

It is anticipated that at least one year of parallel reporting will be required for system evaluation. Assuming successful operation of the new system within such time period, the related schedules within the current FPC Form Nos. 1, 1F, 1M, 12, 12A, and 12D for these respondents would then be eliminated.

All data and information submitted pursuant to this new form would be required to be subscribed and verified by a duly authorized executive officer of the respondent as being factually accurate and complete to the best of his or her knowledge, according to the Commission's rules of practice and procedures (18 CFR Part 1).

It has been contemplated by the Commission that all respondents, in using EDP media, would be required to submit their data on magnetic tape. The Commission now proposes that magnetic tape, in addition to a hard copy of the forms used to create the tape, would be required only from those respondents having over 2,000 MW of installed capacity, and that the manner of the preparation of the tapes be left to the discretion of those respondents. For all other respondents, an original and four copies of each completed Form No. 158 would be required to be filed with the Commission.

Any interested person may submit to the Federal Power Commission, 825 North Capitol Street, NE., Washington, D.C. 20426, not later than October 18, 1976, data, views, and comments or suggestions in writing concerning all or part of the proposed form. Written submittals will be placed in the Commission's public files and will be available for public inspection at the Commission's Office of Public Information, Room 1000, 825 North Capitol Street, NE., Washington, D.C. 20426, during regular business hours. The Commission will consider all such written submittals before acting on the matters herein proposed. An original and 14 conformed copies should be filed with the Secretary of the Commission. Submissions to the Commission should indicate the name, title, mailing address and telephone number of the person to whom communications concerning the proposals should be addressed and whether the person filing submissions requests a conference with the staff of the Federal Power Commission to discuss the proposed form. The staff, at its discretion, may grant or deny a request for conference prior to or subsequent to the filing of formal submittals.

The proposed amendment to Part 141 of the Commission's Approved Forms under the Federal Power Act would be made pursuant to the authority granted the Commission by the Federal Power Act, as amended, particularly sections 10, 19, 20, 202, 205, 206, 207, 304, 309, and 311.<sup>o</sup>

Effective for the reporting year 1976, the Commission proposes to amend Part 141, Statements and Reports (Schedules), in Subchapter D—Approved Forms, Federal Power Act, Chapter I, Title 18 of the Code of Federal Regulations by adding a new § 141.69 prescribing new FPC Form No. 158, Annual Report of Power System Energy Accounting, Peak Demands, and Intersystem Purchases and Sales, in the form set out in Attachment A hereto. New § 141.69 will read as follows:

**§ 141.69 Form 158, Annual Report of Power System Energy Accounting, Peak Demands, and Intersystem Purchases and Sales.**

(a) This form is designed to collect from all electric utilities on a calendar

<sup>o</sup> Supra, note 1.

year basis information on system dependable capacity and generation, inter-system transfers including revenue and costs thereof, "net energy for system" and "net energy for load" by month with associated peak demands, and ultimate consumer deliveries. The form also collects load data on areas within a system, hourly loads for three selected weeks, projected firm purchases and sales, and projected peak loads and energy.

(b) The Form 158 shall be prepared annually and filed with the Commission on or before the 1st of May, and each year thereafter, in such form as is required by said instructions and schedules furnishing the information therein called for, for the preceding calendar year.

The Secretary shall cause prompt publication of this notice to be made in the FEDERAL REGISTER.

By direction of the Commission.

KENNETH F. PLUMB,  
Secretary.

ATTACHMENT A—ANNUAL REPORT OF POWER SYSTEM ENERGY ACCOUNTING, PEAK DEMANDS AND INTERSYSTEM PURCHASES AND SALES

RIS

FEDERAL POWER COMMISSION  
REGULATORY INFORMATION SYSTEM

2 of 22

1. Optical Character Recognition (OCR) - All schedules have been designed with OCR requirements as one of the design constraints. This will allow for transition to optical scanning as a future alternative for data entry.

2. Separation of Instructions - All instructions are separated from the schedules to which they apply, in order to make efficient use of form space. Instructions consist of three separate levels, as follows:

- Level I - General (applicable to all schedules).
- Level II - General subject (applicable to natural gas operations, electric operations, or financial data).
- Level III - Detailed (applicable to individual schedules).

3. Separation of Footnotes - Footnotes or other extraneous marks or comments intended to qualify or modify data must not be entered directly on any schedule. The public use schedules have been designed to minimize the need for footnotes through the establishment of distinct data elements which represent some data previously reported as footnotes. However where necessary to make the related data more meaningful, footnotes may be entered on a special footnote schedule designed for this purpose. On the primary data schedules, the respondent must enter only a unique footnote reference number to provide a link to the footnote schedule.

4. Reporting Requirements - Reporting frequencies of the new schedules vary from semi-monthly to biennially. For certain schedules, all data must be supplied with each submission. For the other schedules, all data must be supplied with an initial submission, and on subsequent submission of these schedules respondents need report only changes, additions and deletions. These requirements are specifically stated in the Detailed Instructions for each schedule in paragraph B under the heading "II. General Information".

FPC Form 111  
(7-76)

RIS

FEDERAL POWER COMMISSION  
REGULATORY INFORMATION SYSTEM

1 of 22

I. ADMINISTRATIVE BACKGROUND

The Federal Power Commission (FPC) has established an information system designed to improve the decision-making capabilities of the Commission. This program, the Regulatory Information System (RIS), was authorized by Commission Order 494, September 26, 1973, and features the following characteristics and capabilities:

- A consolidated data collection system designed to eliminate unnecessary or redundant reporting and to provide standardized data collection schedules.
- A comprehensive system for transmitting, processing, and accessing data requested of respondents by the Commission.
- Establishment of a modern computer facility at Commission headquarters featuring consolidated regulatory data bases and the associated automatic data processing (ADP) equipment and programming software necessary to store, validate, and access that data.

These instructions are intended to aid each respondent to understand the scope and objectives of the RIS system regarding source data collection and to provide clear and concise guidance for the completion of the revised public use schedules.

A. DATA COLLECTION CONCEPTS

The FPC public use schedules are designed to be vehicles for data collection, rather than for data display, by the Commission. This objective has guided the design of the layouts and instructions so as to achieve maximum efficiency in both data collection and subsequent processing. Within this basic design philosophy, the public use schedule data collection concept embodies the following design characteristics, some of which are described in greater detail in the subsequent chapters.

FPC Form 111  
(7-76)

<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	3 of 22

5. Consolidated Schedules - Many of the public use schedules have been designed to consolidate data previously collected on more than one schedule. The consequences of such consolidation is a reduction in the total number of schedules. Furthermore, portions of some schedules may be inapplicable to certain respondents, as specified in the detailed instructions.

6. APPLICABILITY OF INSTRUCTIONS

The Commission will provide to each respondent all three levels of instructions, appropriate to the type of operation. For example, an electric utility will receive:

- Level I - General Instructions
- Level II - General Subject Instructions (Electric Operating Data)
- Level III - Detailed Instructions (Corporate and Financial Data)
- Level III - Detailed Instructions (Electric Operating Schedules)
- Level III - Detailed Instructions (Corporate and Financial Schedules)

Each respondent will also receive footnote schedules (with instructions) and free form (blank) schedules for the submission of narrative or graphic support data that will not be loaded into the Commission's data bases.

As the public use schedules undergo change in future reporting periods through the rulemaking process, modified layouts and instructions will be prepared by the Commission and mailed to the respondents, together with appropriate documentation that describes the authorization and the details of all such changes, additions, or deletions. The Commission will prepare the instructions in a manner suitable for looseleaf binders, so that they can be easily maintained by the respondents.

10-10-76  
G-11

<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	4 of 22

II. STANDARD DEFINITIONS

The following standard definitions are provided to aid the respondent in understanding the data collection concepts contained in these instructions.

A. RESPONDENT - Each corporation, person, agency, authority, or other legal entity, or instrumentality, whether public or private, which is required, under the provisions of the Federal Power Act, the Natural Gas Act, or Commission Order, to submit information to the Federal Power Commission via public use forms. Respondents also include those organizations that voluntarily or upon request, provide data to the Commission.

B. PUBLIC USE SCHEDULE - A collection of functionally related data elements organized and formatted into an arrangement suitable for the collection of data; the instructions for preparation of a schedule are included in this definition.

C. DATA FIELD - Within a record or schedule, a specific area used for representing a particular data value, i.e., the space provided for data entry on a schedule.

D. DATA ELEMENT - A basic unit of identifiable and definable information. Data elements identify the data fields within a schedule.


E. DATA ITEM - The expression of a particular value of a data element. In cases where a data element identifies a column or row on a schedule, a data item is a specific entry within the column or row.

F. LOGICAL ENTRY - A collection of related characteristics, defined by data elements, associated with a specific "key" item of information. For example, "name", "address", "date of incorporation", and "total assets" are all attributes of the key item "company", which is identified by a company code. This entire collection of data elements is called a logical entry. Within the public use schedules, logical entries are blocks of data that may be repeated several times on a page.

10-10-76  
G-11

RIS	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	6 of 22
	<p>III. GENERAL PROCEDURES FOR SCHEDULE PREPARATION</p> <p>Many of the public use schedules have been designed so that different types of respondents can use the same basic schedules and instructions for the collection of identical data. For such schedules, the Detailed Instructions explain the unique data preparation requirements applicable to each type of respondent.</p> <p>A. <u>SCHEDULE SUBMISSION</u></p> <p>The Commission will forward annually an appropriate number of copies of each schedule required of the respondent for the given reporting period.</p> <p>All respondents shall forward the number of copies ordered by the Commission of each public use schedule to the Commission. Respondents submitting schedules on magnetic tape must also submit an attached working copy, appropriately completed, of the supplied schedules from which the tapes were prepared.</p> <p>The specific report period for each schedule is listed in the General Subject Instructions (Level II) for the natural gas operations, electric operations, or financial data. The reporting period must be entered by the respondent on each schedule. Care must be exercised to ensure that the report period on each schedule (month, day, year) represents the ending date of the period to which the data applies, not the date the schedule was completed.</p> <p>Prior to forwarding the schedules to the Commission, the respondent must complete Schedule O100, Index of Public Use Schedules Submitted. A data field-by-data field instruction for Schedule O100 shall be found in the Level III, Detailed Instructions for this schedule. All schedules should be carefully assembled, packaged, and forwarded to the following address:</p> <p>Federal Power Commission 825 North Capitol Street, N.W. Washington, D. C. 20542 Attn: Office of the Secretary</p>	

RIS	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	5 of 22
	<p>G. <u>KEY ITEM IDENTIFICATION</u> - A data element that provides a unique reference point for purposes of accessing or retrieving data. Within the public use schedules, the key item(s) uniquely identify groups of related data elements which by definition are logical entries. Normally, key items appear first within a logical entry and must always be completed by the respondent. The Detailed Instructions for each schedule explicitly identify those data elements that are "key".</p> <p>Other, more specific, definitions of technical and financial data elements are contained in the Level II - General Subject Instructions.</p>	

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	8 of 22
<p><b>B. REPORTING MEDIA</b></p> <p>The acceptable media for reporting public use data are magnetic tape with a working copy of the schedules or typed schedules.</p> <p>Many respondents are capable of preparing the data via magnetic tape and have been directed by the Commission to do so. In addition, the respondent must attach associated attested working copy of the FTC supplied schedules from which the tapes were prepared.</p> <p><b>C. SUPPORTING DOCUMENTATION</b></p> <p>Additional statements, maps, diagrams, charts or other documentation supportive to the data schedules <u>not</u> otherwise specifically required or provided for should be inserted directly behind the schedules to which they apply. Respondents shall utilize FTC Schedule Number 1000 in all cases except those requiring oversize documents such as large maps. In all cases, the schedule number and page number of the schedule to which the supporting documentation applies must be entered, as well as the reporting period. Supporting documentation must <u>not</u> be stapled to the corresponding schedules.</p> <p><b>D. ATTESTATION</b></p> <p>The complete set of schedules filed for a given reporting period must be subscribed and verified by the duly authorized executive officer of the respondent, or of one of the respondents where a consolidated schedule is filed, who is qualified and authorized to prepare or supervise the preparation of the schedules and to certify their accuracy, completeness, and truthfulness. Such attestation will be submitted in the format specified in the Attestation Under Oath, displayed in Figure III-1.</p> <p>Information submitted on magnetic tape must be accompanied by a working copy of each schedule used to create the magnetic tape. A single Attestation Under Oath will apply to all information, regardless of filing medium, submitted in the reporting period.</p>		

FEDERAL POWER COMMISSION  
 825 North Capitol Street, N.E.  
 Washington, D.C. 20426  
 ATTESTATION UNDER OATH

This report must be attested to under oath by an officer of the company.

(Insert here the name of the attester)

(Insert here the official legal title of attester)

that he has full power and authority to make the

(Insert here the exact legal title or name of respondent)

attestation; that he has read this report and he familiar with the contents therein; that to the best of his knowledge, information and belief, all estimates and matters therein set forth are true and correct and the said report is a correct statement of the business and affairs of the above-named respondent in respect to each and every matter set forth therein during the period from and including \_\_\_\_\_, 19\_\_\_\_ to and including \_\_\_\_\_, 19\_\_\_\_.

(Signature of attester)

Subscribed and sworn to before me

this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

NOTARY PUBLIC

(SEAL)

<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM
	10 of 22

<p><b>IV. RULES FOR DATA PREPARATION</b></p> <p>The respondent is instructed to rigorously conform to the following general rules for data entry when preparing the schedule prior to the time that the schedule are forwarded for typing.</p> <p><b>A. DATA FIELD LENGTH</b></p> <p>Do not exceed the data field lengths allocated for each data element. When the data field size is inadequate, leave the data field blank and enter the true value in a footnote.</p> <p><b>B. JUSTIFICATION (DATA POSITIONING)</b></p> <p>Right justify every numeric data field; that is, place the data in the right portion of the data field so that no blank spaces follow the last character. Unfilled leading characters should be left blank. All alphabetic data fields must be left justified; that is, they begin at the left boundary of the data field.</p> <p><b>C. ALPHABETIC AND NUMERIC</b></p> <p>The Detailed Instructions for each schedule define each data field as either alphabetic (A) or numeric (N). The instructions also specify the data field length, including implied decimal positions for fractional numbers. For example, (N7.3) means a numeric field with seven characters to the left and three characters to the right of the implied decimal position. (N6) implies a six digit integer number and (A22) defines a twenty-two character alphabetic data field.</p> <p>Do not enter alphabetic or special characters in a data field defined to be numeric by the instructions. The only exceptions to this rule are a minus sign or an asterisk, as described later. Numeric data fields must be right-justified and can be preceded by blank spaces. A data field defined as alphabetic may include any</p>	<p style="text-align: right;">10 of 22</p>
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<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM
	9 of 22

<p><b>2. RESPONDENT COMMENTS AND SUGGESTIONS</b></p> <p>The Regulatory Information System represents a significant departure from the previous methods of gathering and using information by the Commission. Like all new systems, areas for improvement will undoubtedly be discovered during actual operation. All respondents are encouraged to supply comments and suggestions to the Commission of specific data collection or schedule design problems.</p> <p>All questions concerning schedule design, data entry rules, filing requirements, or administrative matters, should be directed to the Office of Regulatory Information Systems at Commission headquarters. The telephone number for inquiries at the Commission is (202) 275-4138.</p> <p>This telephone number and the schedule mailing address will be the main contact points between the Commission and the respondents for matters relating to the data collection. Questions that cannot be handled directly will be routed to the appropriate bureau or office personnel for resolution.</p>	<p style="text-align: right;">9 of 22</p>
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combination of numeric and alphabetic characters. If necessary, words should be abbreviated to fit an alphabetic data field within the allocated space.

D. NEGATIVE ENTRIES

To indicate a negative numeric value, type over the preprinted minus sign in the right-most character of the data field immediately after the last significant digit; for example, 4917-. Positive numbers require no sign within the data field; simply right-justify the number. Only certain data fields may legitimately contain negative numbers. Those data elements that may be expected to generate negative numbers are identified in the Detailed Instructions and in the schedules, where a character position is reserved for the minus sign, which is printed.

E. NULL ENTRIES

Data fields that are not applicable to a given respondent's situation must be left blank. Do not write in "N/A", or "NONE", or "NO DATA", or any other null response. Numeric data fields that do apply to the respondent but for which the respondent has a legitimate value of zero must be so entered with zero, including all decimal positions. Numeric, alphabetic, or alpha-numeric data fields that do not apply must be left blank.

F. PERCENTAGES AND FRACTIONS

Numeric data fields expressed in percentages may contain a variable number of decimal positions. In the schedules, all decimal points are implied by a preprinted character (Δ) that does not occupy a character position within the data field. For example: NNΔNNN

The fractional portion to the right of the decimal point should always be rounded to the last significant digit. For example, 11 2/3 should be entered as 11.667. Under no circumstances must a portion of a whole number be expressed in fractional notation for any numeric data field. Rather, use the decimal representation, as

(S-7)

illustrated by the preceding example of a percentage. For example, never enter 12 1/3 in a schedule; instead enter 12.333, assuming three decimal positions are requested.

G. SPECIAL CHARACTERS

As illustrated in the preceding section, all of the public use schedules have been designed with preprinted decimal point locators, where applicable. The respondent is specifically requested not to enter dollar signs, decimal points (.), commas (,), parentheses, technical symbols, or any other special characters on the schedules unless called for by the Detailed Instructions. For example, the number \$53,429.48 would be entered as 53429.48 and the number \$45,237 would be entered as 45237.00

H. MULTIPLE PAGES

Multiple pages may often be necessary for the respondent to provide all of the data for a particular schedule. Additional pages may be requested of the Commission at any time. To minimize such requests, the Commission will analyze historical submission patterns and volumes for each schedule and attempt to tailor the number of pages mailed out with the number of pages submitted in the past. Each page of a schedule must be numbered in the upper right hand corner.

I. LISTS OF LEGITIMATE VALUES

A copy of the Register of Data Standards will be made available to each respondent. The Register must be a standard reference tool for personnel completing the schedules to assure valid data entries. Respondent-entered data that is inconsistent with values contained in the Register will be rejected, since validation procedures are also based on the Register.

Normally, the Detailed Instructions will not contain the lists of legitimate values, but will refer to the Register of Data Standards. However, certain data item lists were incorporated directly in the Detailed Instructions for the convenience of the respondent. In these cases the data item list reference appears in parenthesis.

(S-8)

<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM
	14 of 22

V. DATA MAINTENANCE ACTIVITIES

When preparing the public use schedules, the respondent must be familiar with the procedure necessary to modify data on the Commission's data base and to prepare footnotes, where necessary. These topics are covered in this chapter.

A. MODIFICATION OF DATA

New data may be entered directly on any of the public use schedules by the respondent. The respondent must be certain that all data fields identified as key by the instructions are properly completed. For each new entry all data must be completed for the initial submission. For subsequent submissions of this data, the following general rules apply.

Changes to existing data residing in Commission's data base can be entered directly on any public use schedule. To determine whether a data element has changed, the respondent is to refer to the data reported for the last submission.

For data identified by the Detailed Instructions as periodically required to be submitted, the respondent must completely resubmit all requested data regardless of whether or not the data have actually changed. In other Detailed Instructions subsequent submissions require the respondent to submit only appropriate identification (key data fields) and changed data fields. For this type of data, the Commission maintains only the latest current values in the data base, and the last reported data will continue to be propagated as the current data. To delete the current value of a data element, the respondent must enter an asterisk (\*) in the left-most position of the data field, regardless of the numeric or alphabetic nature of the data. The following example illustrates how to delete any single occurrence of a data element:


Data Field Title  
 \*


FD-300-111  
(4-76)


<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM
	13 of 22

The respondent must use the approved values and is also cautioned not to alter the units of measure (e.g., MWh or KW) defined in the Detailed Instructions.

FD-300-111  
(4-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	16 of 22
	<p>The footnote number must be assigned uniquely and cannot be repeated across schedules. For example, if Schedule 0102 has footnote numbers 014 and 015 assigned, the footnotes for schedule 0103 should begin at 016. The respondent must not number the footnotes starting from 001 for each schedule. All footnote reference numbers throughout all schedules submitted in a single reporting period must have unique numbers.</p>	

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	15 of 22
	<p>To delete a data element in more than one logical entry, an asterisk must be entered by the respondent for each occurrence of the data element.</p> <p>To delete an entire logical entry, a retired generator for instance, the respondent must type a "D" over the preprinted "D" contained to the right of each logical entry and must specify all key items necessary to uniquely identify the logical entry. The Detailed Instructions indicate which data elements are key items. When processed, all of the data for the entire logical entry will be deleted from the data base. No facility is provided for deleting, in a single action, all of the data for an entire respondent or for any major grouping of data above the logical entry level, such as the data for an entire plant. To accomplish major delete actions, the respondent must delete each logical entry separately. If such step-by-step action proves cumbersome for the respondent in view of a major delete action (a plant closure, for example), the respondent should notify the Commission in writing of the delete action and request appropriate steps to update the data base.</p> <p><b>F. FOOTNOTES</b></p> <p>Footnote cannot be placed directly on any public use data schedule. Instead, a single, separate schedule (FPC Schedule Number 0000) is used for footnote entry. The preparation of a respondent supplied footnote requires entry on both the source schedule and the footnote schedule.</p> <p>All data schedules contain two blocks to signify the presence of a footnote. These footnote indicator data fields are called the General Footnote and the Specific Footnote. The General Footnote data field enables the respondent to supply additional information that pertains to either the entire schedule and/or to a particular column (all occurrences of a data element) within the schedule. The Specific Footnote may be for either a complete logical entry and/or a specific data element within any logical entry.</p>	


	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	16 of 22
	DATA KEYING AND VERIFICATION INSTRUCTIONS	

DATA FIELD	DATA FIELD NAME	COLUMNS NUMBER OF FROM TO	SPECIAL INSTRUCTIONS
<i>Common Data</i>			
A	Schedule Number	1 4 4 N	Preprinted at the top left of all schedules
B	Page Number	5 8 4 N	Printed at top right of all schedules
C	Line Number	9 10 2 N	Preprinted on left margin of all schedules (even numbers)
D	Record Type (A = first record, B = second record)	11 11 1 A	A = First record for line B = Second record for line
E	Line Data	12 80 69	Key all data fields and their data field separators. Compress data as described in keying instructions.

\* A - Alpha  
N - Numeric

FIGURE VI-1. DATA KEYING AND VERIFICATION INSTRUCTIONS

FIG. VI-1 (3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	17 of 22
	VI. DATA KEYING AND VERIFICATION INSTRUCTIONS	

Date keying may be utilized by respondents who submit data via magnetic tape. The following keying (and, therefore, verification) instructions apply to all redesigned public use schedules, regardless of actual data content. Keying will produce 80-character records (refer to magnetic tape submission requirements).

Each record must always contain the same control data fields in columns 1-11. These data fields are:

- e Data Field A - Schedule Number (Record Position 1-4)
- e Data Field B - Page Number (Record Position 5-8)
- e Data Field C - Line Number (Record Position 9-10)
- e Data Field D - Record Type (Record Position 11)

Data Keying and Verification Instructions are described in Figure VI-1. When keying from the Public Use Schedules, follow the general rules given below.

- e Data Field A, Schedule Number, (Record Position 1-4) and Data Field B, Page Number, (Record Position 5-8) are obtained from the header area of the schedule.

The schedule number is obtained from the upper left corner of the schedule and the page number from the upper right corner of the schedule.

- e Data Field C, Line Number (Record Position 9-10) is preprinted to the left of each line in the margin of the schedule (even numbers such as 2, 4, 6, etc. are the only valid entries).
- e In Data Field D, (Record Type) an "A" should be keyed in Position 11 of the first record keyed for a line.
- e In record positions 12-80 of the record, key all data field separators ( ) and all data that has been filled in by the respondent.

FIG. VI-1 (3-76)

**C. LINE TERMINATOR (0)**  
 The end of a schedule line must be represented in the keyed record. The vertical bar (date field separator) following the last data field is to be followed with a line terminator symbol. This can require that a "B" record be keyed to provide the line terminator symbol (0).

The line terminator is the "g" symbol, which is to be represented by a 4-8 punch, and a hexadecimal 7C in EBCDIC.

**D. CONTINUATION RECORD**  
 In most cases, one line on a schedule will be represented by one 80-character record, but in some cases two records will be necessary to represent a single schedule line. In the first (or only) record, an "A" is keyed into Position 11. In the continuation record (there will not be more than one per line), after duplicating Positions 1-10 from the "A" record, key a "g" in Position 11 then continue keying from the schedule line. (Note that for two-record lines, Position 80 of the "A" record may occur in the middle of a date field on the schedule.)

**E. BLANK LINES**  
 Every data field in a schedule line, including blank data fields, must be represented in the keyed records. For a blank data field, key only a date field separator symbol ( | ). For example, if the first three date fields on a schedule line were blank they would be represented in the keyed record by three consecutive data field separators (in Positions 12-14).

**F. DECIMAL POINTS IN NUMERIC DATA FIELDS**  
 Many numeric data fields contain decimal points, indicated on the schedules by a preprinted "...". (The only valid indication of a decimal point is the preprinted "...".) Use of a period is an error on the part of the individual filling in the data. Because it is preprinted, it is not keyed. In order that the data field contents be

**A. DATA FIELD CONTENTS**  
 The data keyed into Positions 1-11 of the keyed records is keyed according to the fixed format specified above. But the data keyed in the remainder of the positions of the records (12-80) are keyed in a variable format. That is, leading and trailing blanks in data fields are not keyed. For example, if a ten-position alpha-numeric data field on the schedule contains a single letter, only that letter is keyed:  
 "Abbbb" is keyed "A|"  
 "Abbbb" is keyed "A|"

**B. DATA FIELD SEPARATOR ( | )**  
 The variable format explained in A above, requires that the sum of each date field (in Positions 12-80) be indicated by following the date field contents with a date field separator symbol ( | ).  
 The date field separator is the vertical bar symbol, which is to be represented by a 12-7-8 punch, and a hexadecimal 4F in EBCDIC.  
 See the example in A above, or those that follow, for illustrations of the use of the data field separator.

**I. MAGNETIC TAPE SUBMISSION**

The magnetic tape to be submitted shall be compatible with IBM 370/OS using 9-track standard IBM OS labels or using 9-track non-labelled tapes in EBCDIC code format at 800 or 1600 bpi. The logical record length shall be 80 characters. The blocking factor should be compatible with IBM OS tape blocking conventions.

All respondents submitting magnetic tapes(s) must enclose with the tape the following information: name of company, name of contact about the magnetic tape and telephone number. Additionally the following information must be specified for labelled and non-labelled tapes:

**LABELLED AND NON-LABELLED TAPES**

- whether 800 or 1600 bpi
- whether labelled or non-labelled

**LABELLED TAPES**

- internal volume/serial number of tape
- data set name

**NON-LABELLED TAPES**

- block size in characters (length of physical record)
- external volume/serial number of tape

properly entered in the RIS data base, all positions to the right of e preprinted decimal in a data field on a schedule must be keyed.

**G. CONSOLIDATED EXAMPLE**

This example illustrates the rules given above, as applied to an entry on line 16 of page 2 of a hypothetical schedule 99.

**Data Field Type:**

a	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Data Field Length:**

35	10	10	8.2	3.3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
----	----	----	-----	-----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

**Data Field Contents:**

MIDWESTERN INTERNATIONAL 350 \* 673A 21 24abb 750000 b 550000 622490 3575829400

**Keyed Records:** A Record -  
009900021683575829400|67321|24200|750000||550000|622490|

B Record -  
009900021683575829400|e

**H. CHARACTER SET**

Keying should be accomplished using the standard EBCDIC alphabetic and numeric character set. The following are the only valid special characters which can be used:

CHARACTER	EBCDIC HEX REP.	CARD PUNCH	CHARACTER	EBCDIC HEX REP.	CARD PUNCH
(	4B	12-3-8	-	60	11
+	4D	12-5-8	/	61	4-1
*	4E	12-6-8	?	62	4-3-8
^	50	12-6-8	~	6C	4-4-8
\$	5B	11-3-8	!	6F	4-7-8
%	5C	11-4-8	:"	7A	2-8
)	5D	11-5-8	"	7D	3-8
:	5E	11-6-8	"	7E	6-8
			"	7F	7-8

**Date Field Separator:** | 4F 12-7-8

**Data Line Terminator:** @ 7C 4-3

RAS	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	
		11

TABLE OF CONTENTS

I. GENERAL INFORMATION	Page
	1
II. STANDARD DEFINITIONS AND CODES	6
A. Uniform Systems of Accounts	6
B. Selected Definitions	6
III. GENERAL INSTRUCTIONS	11
A. Generating Group Concepts	11
B. Respondent Assigned Unique Coding	12

RAS	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	

LEVEL II  
GENERAL SUBJECT INSTRUCTIONS  
FOR  
ELECTRIC UTILITY/INDUSTRIAL/LICENSEE SCHEDULES

RIS

FEDERAL POWER COMMISSION  
REGULATORY INFORMATION SYSTEM

iv

Schedule Number	Schedule Name
0644	Small Plant Costs and Expenses
0645	Annual Small Plant Fuel Data
0646	Annual Industrial Power Plant Data
0647	Annual Large Plant Unit Performance Data
0648	Annual Peak Demand Data by Plant
0649	Plant Fuel Consumption and Quality - By Month
0650	Annual Boiler Fuel Use and Operation
0651	Monthly Boiler Fuel Consumption and Peak Operation
0652	Boiler Fuel-Gas Treating Equipment - Operational Data
0653	Chemicals Used in Plant Cooling and Boiler Water
0654	Plant Disposal of Combustion Cycle Products
0655	Plant Combustion Cycle Additives
0656	Annual Plant Environmental Data
0657	Water Temperature and Flow at Reheats, Ponds, Cooling System Operational Data
0658	Plant Projection Data
0659	Annual System Energy Accounting and Peak Load (Small Systems)
0660	System Net Dependable Capacity at Time of Annual Peak
0661	Transmission Line Data
0662	System Substation and Transformer Data
0663	Plant Transformer Design Data
0664	Conversion Apparatus and Special Equipment
0665	Distribution Transformer and Capacitor Data
0666	Electric Waterhour Meter Data
0667	System Energy Transactions between Other Systems (Small Systems)
0668	System Net Generation, Energy Transfers and Peak Loads by Month (Small Systems)
0669	System Load Data for Specified Weeks - FY
0670	System Load Data for Specified Weeks - FY
0671	System Future Changes in Firm Power Transfers
0672	System Energy and Peak Load Forecast
0673	Distribution of System Load in Service Area
0674	All-Electric Home Consumption Data
0675	Community Characteristics for Other Schedules
0676	Rate Schedules Freely Characteristic
0677	All-Electric Home Customer and Total Bills Data
0678	Typical Net Monthly Bills - Commercial Service
0679	Typical Net Monthly Bills - Residential Service
0680	Typical Net Monthly Bills - Industrial Service
0681	Retail Rate Level Changes
0682	System All-Electric Home Rate Installation Data
0683	Licensed Project Generation Data - Part I
0684	Licensed Project Generation Data - Part II
0685	Licensed Project Generation Data - Part III
0686	Licensed Project Generation Data - Part III
0687	Monthly Industrial Power Plant Data

RIS

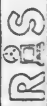
FEDERAL POWER COMMISSION  
REGULATORY INFORMATION SYSTEM

111

Schedule Number	Schedule Name
0601	Plant Owner - Operator Data
0602	General Information - Plants
0603	Generating Unit - Joint Ownership
0604	Hydroelectric Plant Design Data
0605	Hydroelectric Generating Unit Design Data
0606	Hydroelectric Plant Capacity Data
0607	Pumped Storage Plant Design Data
0608	Pumped Storage Generating Unit Design Data
0609	Pumped Storage Plant, Separate Motor Driven Pumps, Design Data
0610	Internal-Combustion and Gas-Turbine Plant Design Data
0611	Internal-Combustion and Gas-Turbine Generating Group Design Data
0612	Steam-Electric Plant Design Data
0613	Steam-Electric Generating Unit Design Data, Turbines Design Data
0614	Steam-Electric Generating Unit Design Data (Generating Data and Cooling Facility)
0615	Boiler Design Data
0616	Common Fuel-Feeders by Boiler Systems
0617	Boilers Served by Fuel-Feeder Systems
0618	Boilers Served by Steaks
0619	Boilers Associated with Boilers
0620	Flue-Gas Cleaning Equipment - Design Data
0621	Boilers Served by FCC
0622	Boiler FCC Equipment
0623	Plant Cooling System Characteristics
0624	Plant General Water Source Data
0625	Plant Water Treatment Settling Pond Discharge Data
0626	Plant Sewage Effluent Treatment Design Data
0627	Combined Cycle Plant Data
0628	Steam-Electric Plant Capability Data
0629	Small Plant Design Data and Costs
0630	Small Plant Generating Group Design Data
0631	Annual Plant Capacity - Output and Fuel Data
0632	Monthly Power Plant Data
0633	Plant Fuel Cost and Quality Data
0634	Annual Large Plant Fuel Data
0635	Internal-Combustion and Gas-Turbine Plant: Costs and Expenses
0636	Hydroelectric Plant Costs and Expenses
0637	Pumped Storage Plant Costs and Expenses
0638	Steam-Electric Plant Costs and Expenses
0639	0641
0640	0642
0641	0643



FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	
Schedule Number	Schedule Name
0706	Licensed Project Registration Data - Part IV
0708	System Generation
0709	System Purchases or Sales for Resale
0710	System Interchange Power
0711	System Transmission of Electricity For or By Others
0712	System Vending Receipts and Deliveries
0713	System Utilities Company Reliances and Losses
0714	System Net Generation, Energy Transferred, and Associated Peak Demand by Month
0852	System Maps and Diagrams
0854	Hydroelectric Storage Reservoir Curves
0855	Hydroelectric Power Plant Characteristics and Curves
0856	Map of Distribution of System Load in Service Area
0857	Steam-Electric Plant Characteristic Diagrams

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	2 of 12
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Type III - a system for which the operating utility does not own, lease, or purchase installed capacity to meet directly any of that system's load requirements. These systems may be called "total requirements customers" of other systems.

FPC Form 131  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	1 of 12
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I. GENERAL INFORMATION

These instructions apply to the following schedules:

- a. Electric system design and operation data
- b. Electric generating plant design and operation data
- c. Licensad projects data

The groups of Power System and Generating Plant schedules represent a comprehensive selection of data covering pertinent operational and technical information of the respondents.


Systems are assigned a Type code by FPC depending on the degree with which their electric generation facilities meet their own requirements and the requirements of other systems:

Type I - a system for which the operating utility owns, leases, or purchases installed capacity to meet directly that system's total load requirements as well as any Type II or III system's load requirements by way of contract either in part or in total. The system generally has plans for additional installed capacity to meet its projected load requirements, as well as, Type II or III system's projected requirements. Bulk power transmission systems may also be designated as Type I.

Type II - a system for which the operating utility owns, leases or purchases installed capacity to meet directly that system's load requirements only in part and generally do not plan additional installed capacity to meet projected total load requirements. These systems may be called "partial requirements customers" of other systems.

Small isolated systems may also be designated as Type II.

FPC Form 131  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	4 of 12
	ELECTRIC GENERATING PLANT DESIGN AND OPERATION DATA	

Subgroup	Respondent Category	Schedule Number(s)	Old FPC Form	Submission Date
Event Submissions				
1	All systems with generation facilities	0601-0605, 0607-0623, 0625-0633, 0685	1, 12, 12A, 12D, 67	May 1st
2	All systems with hydro-electric generation facilities	0606	12	May 1st
Annual Submissions				
1	All systems with generation facilities	0634, 0648, 0660	12	May 1st
2	All systems with generation facilities	0649-0659, 0857	67	May 1st
3	All systems with generation facilities	0647	New	May 1st
4	All systems with generation facilities	0637, 0638, 0641-0645	1, 1F, 1M	May 1st
5	Industrial Plants with installed capacity less than 5 MW	0646	12C	May 1st
Monthly Submissions				
1	All systems with generation facilities	0635	4	10 days after 1st of following month
2	Industrial Plants with installed capacity greater than 5 MW	0705	4	10 days after 1st of following month
3	All systems with generating facilities	0636	423	45 days after 1st of following month

FPC Form 131  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	3 of 12
	ELECTRIC POWER SYSTEMS DATA	

Subgroup	Respondent Category	Schedule Number(s)	Old FPC Form	Submission Date
Event Submissions				
1	All systems with transmission/distribution facilities	0663, 0664, 0666-0668	1, 1F, 1M, 12	May 1st
2	All utilities serving cities with a population of 2,500 or more	0694	82	Within 60 days of new or changed rate schedule
Annual Submissions				
1	All Type I systems	0662, 0680-0684, 0708-0714, 0852, 0854-0856	1, 1F, 1M, 12, 12A, 12D	May 1st
2	All Type II and III systems	0676, 0713, 0852	1, 1F, 1M, 12, 12A, 12D	May 1st
3	All Type II and III systems with "net energy for system" greater than 5000 MWh for the previous year.	0679	12A	May 1st
4	All Type II and III systems with "net energy for system" less than 5000 MWh for the previous year.	0661	12D	May 1st
5	FPC specified electric utilities	0686-0693, 0699	3, 3A	January 21st

FPC Form 131  
(3-76)

<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	6 of 12
<p><b>II. STANDARD DEFINITIONS AND CODICES</b></p> <p><b>A. UNIFORM SYSTEMS OF ACCOUNTS</b></p> <p>The required submissions will be prepared in conformity with the Uniform Systems of Accounts where applicable for Electric Utilities and Licenses prescribed by the Federal Power Commission, and all accounting words and phrases are to be interpreted in accordance with said classification. If the respondent is not under the jurisdiction of the Commission and does not keep its books in accordance with the above-mentioned Uniform Systems of Accounts, the schedules shall be completed with the actual accounts maintained being substituted, where necessary for the accounts listed.</p> <p><b>B. SELECTED DEFINITIONS</b></p> <p>The following definitions pertain to the Electric Utilities, Industrial Plant, and Licensee Schedules:</p> <ol style="list-style-type: none"> <li>1. <b>Ambient Temperature:</b> The temperature of the surrounding cooling medium, such as gas or liquid, which comes into contact with the heating parts of the apparatus.</li> <li>2. <b>Border-line Deliveries:</b> Energy delivered by a system to ultimate customers of another system with no "wholing" involved.</li> <li>3. <b>Border-line Receipts:</b> Energy received by ultimate customers of a respondent directly from another system for the account of the respondent with no "wholing" involved.</li> <li>4. <b>Capability:</b> The capability of a system, plant, or unit is defined as the load-carrying ability at the specified power factor and for the indicated time interval independent of the other characteristics of the load. In general, plant capability is determined by design characteristics; physical condition; adequacy of the prime mover; prime mover steam supply; operational limitations, such as cooling and circulating water supply and temperature, ambient temperature; and head and inlet/outlet elevations.</li> </ol>		

FPC Form 131  
(5-76)

<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	5 of 12										
<p><b>LICENSED PROJECT RECREATION DATA</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Subgroup</th> <th style="width: 25%;">Respondent Category</th> <th style="width: 25%;">Schedule Number(s)</th> <th style="width: 25%;">Old FPC Form</th> <th style="width: 20%;">Submission Date</th> </tr> </thead> <tbody> <tr> <td>Biennial Submissions</td> <td>All FPC Licensed Projects</td> <td>0700-0703, 0706</td> <td>80</td> <td>March 1st of each odd numbered year for the two years ending as of December 31st of the previous year</td> </tr> </tbody> </table> <p>Each schedule is identified by a schedule number and title (see Appendix 1, List of Electric Utility/Industrial/Licensee Schedules.</p>			Subgroup	Respondent Category	Schedule Number(s)	Old FPC Form	Submission Date	Biennial Submissions	All FPC Licensed Projects	0700-0703, 0706	80	March 1st of each odd numbered year for the two years ending as of December 31st of the previous year
Subgroup	Respondent Category	Schedule Number(s)	Old FPC Form	Submission Date								
Biennial Submissions	All FPC Licensed Projects	0700-0703, 0706	80	March 1st of each odd numbered year for the two years ending as of December 31st of the previous year								

FPC Form 131  
(5-76)

controlled through a common control house (cubicle), internal-combustion units which are treated as one per group, and similar physical characteristics within generating type for small plants.

12. Generating Type. Internal-combustion, gas-turbine, steam-electric, hydro-electric, and pumped storage, are the basic generating types. Nuclear, geothermal, fossil and waste are treated as fuel for steam-electric. The combined cycle generating type is comprised of steam-electric and gas-turbine types.

13. Generating Unit. A unit consisting of a turbine and an electric generator or a reciprocating engine and an electric generator. There may be more than one turbine or reciprocating engine mechanically coupled to one electric generator but this remains a single unit. A cross-compound steam electric plant consists of two units, since both turbine/generator combinations are mechanically separate.

14. Heat Rate. A measure of generating station thermal efficiency, generally expressed as BTU per net kilowatt-hour. It is computed by dividing the total BTU content of the fuel burned (or of heat released from a nuclear reactor) by the resulting net kilowatt-hours generated.

15. Industrial. Producers having generating plants for the purpose of supplying electric power required in the conduct of their industrial operations. Mining, manufacturing, and stationary plants of railroads and railroads for active power is included.

16. Installed Capacity. Total of the capacities as shown by the nameplates of similar kinds of apparatus such as generating units, turbines, synchronous condensers, transformers, or other equipment in a plant, station, or system.

17. Large Generating Type (Large Plant). Steam-electric with installed capacity of 25 MW or greater; or hydroelectric, pumped storage, internal-combustion or gas-turbine each of 10 MW or greater.

FPC Form 131  
 (3-76)

5. Demand Interval. The period of time over which the demand is measured. Each system shall report load data on the basis of integrated demands for 60-minute clock-hour intervals. When demand data are not available on this basis, please make adjustments, if possible, to approximate the integrated demand for 60-minute clock-hour intervals; otherwise, report demand interval used.

6. Dependable Capacity. The dependable capacity of a generating plant or group of plants is defined as the load-carrying ability for the time interval and period specified when related to the circumstances of the load to be supplied. In general, a plant's dependable capacity is influenced not only by factors affecting its capability, but by such factors as the duration of the system peak, position on the load curve where the plant is to be operated, and the plant's operating power factor.

7. Electric Respondent. Any electric utility, industrial producer, or other organization ultimately responsible for reporting of electric data to the Federal Power Commission.

8. Electric Plant. A unit or group of units of the same or different generating types considered to be at the same physical site.

9. Electric System. The physically connected generation, transmission, distribution, and other facilities operated as an integral unit under one control, management, or operating supervision.

10. Electric Utility. All enterprises engaged in the production and/or transmission and/or distribution of electricity for use by the public, including investor-owned, cooperatively-owned, government-owned (municipal systems, Federal agencies, state projects, and public power districts); and where the data are not separable, those industrial plants contributing to the public supply.

11. Generating Group. Generating units at one plant may be grouped for a number of reasons: separate powerhouses on the same pond; common header steam plants, gas-turbines


FPC Form 131  
 (3-76)

<b>RS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	9 of 12
	<p>18. <u>Licenses</u>. Any person, State, or municipality licensed under the provisions of Section 4 of the Federal Power Act, and any assignee or successor in interest thereof</p> <p>19. <u>Load Factor</u>. The ratio of the average load over a designated period to the peak load occurring in that period.</p> <p>20. <u>Municipality</u>. A city, county, irrigation district, drainage district, or other political subdivision or agency of a State competent under the laws thereof to carry on the business of developing, transmitting, utilizing, or distributing power.</p> <p>21. <u>Net Dependable Capacity</u>. Includes dependable capacity of a systems generating plants plus the net of firm power purchases.</p> <p>22. <u>Net Energy for System</u>. The sum of system net generation and energy received from other systems, less the energy delivered to other systems for resale and equal to the sum of system losses, unaccounted for energy, and ultimate consumer sales.</p> <p>23. <u>Other Electric Respondents</u>. Any other person or organization required to report electric plant, system, or licensed project data. A contractual power pool falls in this category.</p> <p>24. <u>Pumping Energy</u>. The energy measured as input to a pumped storage plant for pumping purposes.</p> <p>25. <u>Run-of-river</u>. Those hydroelectric plants whose operation cannot be regulated over a period of more than a few hours, either from storage at site or above, but whose operation is, in general, controlled by the volume of flow which must be utilized as it occurs, or be wasted.</p> <p>26. <u>Small Concentrator Type (Small Plant)</u>. All steam electric with installed capacity less than 25 MW; or hydroelectric, internal-combustion or gas-turbine each less than 10 MW.</p> <p>27. <u>Source of Water</u>. This refers to the proper name and type of the natural water body from which water is withdrawn for the stated purpose. It is not limited</p>	

PL Form 151  
(3-76)

<b>RS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	10 of 12
	<p>sely to the nature of the water body. Thus, the Mississippi River as a source of water should be reported as "Mississippi River" and <u>NOT</u> as "river water".</p> <p>28. <u>Storage</u>. Those hydroelectric plants whose operations can be varied as desired because of storage at site or above. Such regulation may be weekly, monthly, or seasonal.</p>	

PL Form 151  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	11 of 12
	III. GENERAL INSTRUCTIONS	

**A. GENERATING GROUP CONCEPTS**

The term "generating group" appears in the schedules in reference to steam-electric, hydroelectric, internal-combustion, gas-turbine, and small plant design data.

o Steam-Electric Generating Group is defined as those generating units grouped by virtue of being served by a common steam header, or a cross-compound configuration, or the simple case of a single boiler and generating unit combination. Data must be submitted for each generating unit even though some units may be similar in design.


o Gas-Turbine and Internal-Combustion Generating Group. For gas-turbine units, a generating group is defined as any collection of gas-turbine generating units that are controlled from the plant control room through a single control house (cubicle). In the case of a single unit having unique characteristics, assign a generating group I.D., then complete the schedule for that unit.

o Power House Generating Group is defined as those hydroelectric and pumped storage generating units grouped within a single power house at a plant site.

Two power houses on the same pond are two groups. The majority of hydro-electric and pumped storage generating units are within only one powerhouse. Grouping of units is not by like unit design and design data must be submitted for each unit.

o Small Plant Generating Group is defined as those generating units grouped by virtue of like unit design under all generating types and design data is only submitted once for one unit within the group. A group may contain only one unit.

PG Form 111  
(5-74)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	12 of 12
	B. RESPONDENT ASSIGNED UNIQUE CODING	

**B. RESPONDENT ASSIGNED UNIQUE CODING**

The majority of schedules which require submission of generating plant data call for the use of codes to identify components or groups of components within a plant. Most of the codes defined as "respondent assigned" are to be the respondents commonly used designation if such a designation exists. These codes must be unique within the type of equipment being defined within a plant. If necessary the respondent must assign a new code to establish this uniqueness. If a component (or group of components) is referenced in more than one schedule, it is essential that the same code be used to identify the component (or group of components) on all schedules. It is also necessary that the same code be used in reporting from year to year. Because of this, the respondent must maintain a record of the assigned codes to achieve consistent reporting.

Examples of components or groups of components which require respondent assigned codes are shown below:

- Generating Group I.D.
- Generating Unit I.D.
- Boiler I.D.
- Fuel Gas Cleaning Equipment I.D.
- Fuel Feeder I.D.
- Stack I.D.
- Cooling Facility I.D.
- Transformer Bank I.D.

Each I.D. above is unique within the generating type except Transformer Bank I.D. which is unique within a plant. For each plant (or given geographic site) there may be one or more generating types (e.g., steam-electric, gas-turbine, etc.). Most of the respondent assigned I.D. codes are for the steam-electric generating type.

In a few cases specified in the schedule Detailed Instructions, the respondent is requested to assign numeric sequential codes and maintain these codes from year to year.

PG Form 111  
(5-74)


<b>RIS</b> FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0100 INDEX OF FPC PUBLIC USE SCHEDULES SUBMITTED		1 of 2
This schedule shall be used to identify the schedule which was submitted by each respondent.		
I. DESCRIPTION		
A. This schedule shall be submitted by each Federal Power Commission respondent.		
B. This schedule shall be completed for each submission of schedules to the Federal Power Commission.		
C. The report period date required on line two of this schedule shall be the final date of the period covered by the submission i.e., if date is reported on a calendar year basis, the date to be reported is December 31, 1976, in the format MDDYY. 123176.		
III. DETAILED INSTRUCTIONS		
The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by data field number:		
Data Field Number	Instructions	
1	Date Received in Mail Room (M6): This data field is for Federal Power Commission internal processing only. (TMDATZ)	
2	Date Received in DECC (M6): This data field is for Federal Power Commission internal processing only. (TMDATZ)	
3 (Key)	Schedule Number (M4): Enter the schedule number of each schedule being submitted in this submission.	
4	Schedule Contact Name (A35): Enter the name of the individual to contact about the schedule number reported in data field 3 above. The format for the name is: Last Name, First Name or Initial, Middle Initial. (IDNAME)	
5	Schedule Contact Telephone Number (A12): Enter the area code and telephone number, in the format NNN-NNN-NNNN. Be certain to over strike the preprinted hyphen (-).	
6	Number of Pages (M4) NO: Enter the number of pages submitted for the schedule reported in data field 3 above.	
7	Indicate Primary Reporting Media, Hardcopy or Tape (M1): Enter "1" if hardcopy is being submitted; or enter "2" if tape is being submitted. (IMTRM)	

FPC Form 331  
(5-76)

<b>RIS</b> FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0100 INDEX OF FPC PUBLIC USE SCHEDULES SUBMITTED		2 of 2
Detailed Instructions: SCHEDULE 0100 INDEX OF FPC PUBLIC USE SCHEDULES SUBMITTED		
Data Field Number	Instructions	
8	Name of Attestor: Enter the legal name of the individual who is attesting to the validity of the data content being submitted on each of the schedules reported in data field 3 above. (IDNAME)	
9	Signature of Attestor: Enter the attestore legal signature in this data field. (IDNAME)	
10	Date of Attestation: Enter the date of attestation, in the format MDDYY. (TMDATZ)	

FPC Form 331  
(5-76)



	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	1 of 1
DETAILED INSTRUCTIONS: ANNUAL SYSTEM ENERGY ACCOUNTING AND PEAK LOAD (SMALL SYSTEMS) SCHEDULE 0661		

I. DESCRIPTION

This schedule is used to collect data on the annual net generation and load for the system reported.

II. GENERAL INFORMATION

A. This schedule shall be submitted by electric utilities with Type II or III systems with "net energy for system" less than 5,000 megawatt-hours for the previous calendar year.

B. Respondents shall complete all data fields on this schedule annually.

III. DETAILED INSTRUCTIONS

The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by data field number:

Data Field Number	Instructions
1 (Key)	System Code (06): Enter the code, from the Register of Date Standards, <u>INVEST.</u>
2 (Key)	Annual Net Generation of System Plants (M12) MWH: Enter the annual net generation of the system plants.
3	Total Energy Received for Resale (09) MWH: Enter the total energy received for resale from all sources.
4	Total Energy Delivered for Resale (09) MWH: Enter the total energy delivered for resale.
5	Net Energy for System (09) MWH: Enter the net energy for system as the sum of data fields 2 and 3 above, less 4.
6	System Peak Load of Year (06.2) M: Enter the system peak load based on "net energy for system", rounded to two decimal places.

PPS Form 131  
(3-76)

<b>RS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	2 of 3
DETAILED INSTRUCTIONS: SCHEDULE 0662 SYSTEM NET DEPENDABLE CAPACITY AT TIME OF ANNUAL PEAK		
1 (Key)	I. DESCRIPTION  This schedule is used to collect data on the dependable and assured capacity of electric systems.  II. GENERAL INFORMATION  A. Data for this schedule shall be submitted by electric utilities with Type I systems.  B. Respondents shall complete all data fields on this schedule annually.  III. DETAILED INSTRUCTIONS  The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by the data field numbers.  Data Field Number  1 (Key) System Code (N6): Enter the code, from the Registrar of Data Standards, <u>DSNYST</u> .  2 (Key) Total Dependable Capacity from Plant (N6.2) MW: Enter the net dependable capacity of all plants which are entities of the system listed in data field 1 above. In aggregating this total, take the following factors into account:  (a) The dependable capacity of the system fuel plants is the net capability of that which can be relied upon to be available for active or standby service at the usual time of the annual system peak. Allowance should be made for any maintenance outage of equipment which MUST be scheduled during the usual time of the annual system peak.  (b) The dependable capacity of system conventional hydro plants relates to the capacity which under the most adverse flow conditions of record can be relied upon to carry system load at the usual time of the annual peak, provide dependable reserve capacity, and meet firm power obligations, taking into account seasonal variations and other characteristics of the load not seasonal variations and other characteristics of the system as they apply and of the firm power obligations. Some systems may wish to utilize off-peak energy from other systems so as to increase the dependable capacity of the reporting system conventional hydro plants. Where consideration is given to the off-peak energy which can be secured from others, an explanation of the amount and conditions governing the receipt of such energy should be footnoted. In cases where the stream-flow records indicate that the most adverse flows are not likely to be of very short duration, the figures used in determining the capacity available from conventional hydro plants may be modified, treating such abnormal limitations as an emergency condition to be covered by the reserve	1 of 3


FIG Form 31  
(5-76)

<b>RS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	2 of 3
DETAILED INSTRUCTIONS: SCHEDULE 0662 SYSTEM NET DEPENDABLE CAPACITY AT TIME OF ANNUAL PEAK		
2 (cont'd)	Instructions  capacity, such modification should be fully explained. Full consideration should be given to data reported in Schedule 0606 for adverse flow conditions in computing the annual dependable system conventional hydro capacity.  (c) The dependable capacity of system pumped storage plants is the net capability of that capacity which can be relied upon to carry system load or provide dependable reserve capacity at the usual time of annual system peak taking into account such factors as limitations in plant capability due to reservoir drawdown, the energy equivalent of storage in the upper reservoir, and the available pumping energy on a daily or weekly pumping cycle.  3 Total Available Capacity from Firm Purchases (N6.2) MW: Show amount at the usual time of the respondent's system peak stated in contract; if it is not a single, definite, fixed amount, explain in appended remarks. DO NOT INCLUDE POWER WHICH WOULD BE AVAILABLE UNDER INTERCHANGE, EMERGENCY, OR "WHEN AS AND IF" ARRANGEMENTS. It is desired that corresponding items reported be in agreement as between the affected companies. It is, therefore, suggested that the companies concerned agree upon the figures to be reported.  4 Total Firm Obligation (N6.2) MW: Show the amount of firm power committed or obligated which is intended to be available at the usual time of the respondent's system peak to other systems. Show amount stated in contract; if it is not a single, definite, fixed amount, explain under appended remarks. DO NOT INCLUDE OBLIGATIONS UNDER INTERCHANGE, EMERGENCY, OR "WHEN AS AND IF" ARRANGEMENTS. It is desired that corresponding items reported be in agreement as between the affected companies. It is, therefore, suggested that the companies concerned agree upon the figures to be reported.  5 System Net Dependable Capacity (N6.2) MW: Enter the result of the following calculation - data field 2 plus data field 3, minus data field 4.  6 Total Reserve Capacity Required (N6.2) MW: Show the total amount of reserve capacity, regardless of the source, considered necessary to maintain adequate service at the usual time of the annual system peak, without regard to the relation of net assured capacity to system peak. In general, the largest reduction in dependable capacity which might result from an outage of a generator or hydro unit determines the minimum reserve capacity required if not determined by other methods.	2 of 3


FIG Form 31  
(5-76)

<p><b>RIS</b></p>	<p>FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM</p>	<p>3 of 3</p>
<p>DETAILED INSTRUCTIONS: SCHEDULE 0662 SYSTEM NET DEPENDABLE CAPACITY AT TIME OF ANNUAL PEAK</p>		
<p><u>Date Field Number</u></p>	<p style="text-align: center;"><u>Instructions</u></p> <p>7 Reserve Capacity Available - Emergency or Interchange (N6.2) MM: Show the total required reserve capacity which is relied upon to be available at the usual time of system peak under interchange, emergency, or similar agreements with others.</p> <p>8 Reserve Required of Own System (N6.2) MM: Enter the result of the following calculation - data field 6 minus data field 7.</p> <p>9 Net Assured System Capacity (N6.2) MM: Enter the result of the following calculation - data field 5 minus data field 8.</p>	


FPC Form 131  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0676	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0676
	DETAILED INSTRUCTIONS: SYSTEM ENERGY TRANSACTIONS BETWEEN OTHER SYSTEMS (SMALL SYSTEMS)	
I. DESCRIPTION		1 of 2
<p>This schedule is used to collect an itemized accounting of all energy transfers to and from the facilities of other systems during the year, including gross sales, purchases, interchange and transfer for resale, whether on a firm, interchange, or any other basis and all energy received from industrial companies.</p> <p>II. GENERAL INFORMATION</p> <p>A. This schedule shall be submitted by electric utilities with Type II end Type III systems.</p> <p>B. Respondents shall complete all data fields on this schedule annually.</p> <p>C. Report total amounts of energy flow in each direction at each transfer point, i.e., the total amounts "delivered" and the total amounts "received" at each transfer point including energy transferred or displaced through the respondent's facilities for delivery to other systems. Do not report the amount of energy billed, or net transfers, if they differ from total transfers.</p> <p>By "transfer point" is meant the point at which the reported amounts of energy were transferred to and from the respondent's systems.</p> <p>III. DETAILED INSTRUCTIONS</p> <p>The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by the data field number:</p>		
Data Field Number		
1 (Key)	System Code (N6): Enter the code, from the Register of Data Standards, <u>IDSYST</u> .	
2 (Key)	Transfer System Name (A35): Enter name of transfer system. (IDNAME)	
3	Point of Interconnection (A16): Enter the identification of the interconnection or transfer point. (IDNAME)	
4	County Code (R3): Enter the county code, from the Register of Data Standards, <u>IDCNTY</u> .	
5	State Abbreviation (A2): Enter the state abbreviation, from the Register of Data Standards, <u>IDSTAT</u> .	

RIS Form 331 (3-76)


	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0676	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0676
	DETAILED INSTRUCTIONS: SYSTEM ENERGY TRANSACTIONS BETWEEN OTHER SYSTEMS (SMALL SYSTEMS)	
I. DESCRIPTION		2 of 2
<p>This schedule is used to collect an itemized accounting of all energy transfers to and from the facilities of other systems during the year, including gross sales, purchases, interchange and transfer for resale, whether on a firm, interchange, or any other basis and all energy received from industrial companies.</p> <p>II. GENERAL INFORMATION</p> <p>A. This schedule shall be submitted by electric utilities with Type II end Type III systems.</p> <p>B. Respondents shall complete all data fields on this schedule annually.</p> <p>C. Report total amounts of energy flow in each direction at each transfer point, i.e., the total amounts "delivered" and the total amounts "received" at each transfer point including energy transferred or displaced through the respondent's facilities for delivery to other systems. Do not report the amount of energy billed, or net transfers, if they differ from total transfers.</p> <p>By "transfer point" is meant the point at which the reported amounts of energy were transferred to and from the respondent's systems.</p> <p>III. DETAILED INSTRUCTIONS</p> <p>The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by the data field number:</p>		
Data Field Number		
6	Capacity Interconnection (N7) M4: Enter capacity (in MW) of interconnection point.	
7	Energy Received (M12) M4R: Electric power received at interconnection point (in megawatt hours).	
8	Maximum Power Received (M13) M4: Maximum power received (in megawatts), if known.	
9	Energy Delivered (M12) M4R: Electric power delivered at interconnection point (in megawatt hours). Do not report deliveries to industrial customers.	
10	Maximum Power Delivered (M13) M4: Maximum power delivered (in megawatts), if known.	
11	Voltage (N5) KV: Voltage characteristic of power transfer (in kilovolts).	
12	Phase (N1) N0: Enter phase of power transfer, e.g., "1" for single; "3" for three-phase.	
13	Frequency (N2) HZ: Enter frequency of power transfer (in Hertz).	

RIS Form 331 (3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	1 of 1
DETAILED INSTRUCTIONS: SYSTEM NET GENERATION, ENERGY TRANSFERS AND PEAK LOADS BY MONTH (SMALL SYSTEMS)		

I. DESCRIPTION This schedule is used to collect the information concerning energy generation, energy received and energy delivered and system peaks by month.	
II. GENERAL INFORMATION A. This schedule shall be submitted by electric utilities with Type II or Type III systems with "net energy for system" in excess of 5,000 megawatt hours for the previous year. B. Respondents shall complete all data fields on this schedule annually.	
III. DETAILED INSTRUCTIONS The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by the data field numbers.	
Data Field Number	Instructions
1 (Key)	System Code (N6): Enter the code, from the Register of Data Standards, <u>DSYST</u> .
2 (Key)	Month (M2): Enter the proper month code, i.e., January - 01, February - 02, etc., from the Register of Data Standards, <u>MONTH</u> .
3 (Key)	Net Generation (N5.2) MWh: Enter the system net generation (in megawatt hours) for each month.
4	Peak Demand (N5.2) MW: Enter the peak demand on system plant (in megawatts) for each month at the time of system peak.
5	Energy Received (N5.2) MWh: Enter the amount of energy (in megawatt hours) received from others.
6	Energy Delivered (N5.2) MWh: Enter the amount of energy (in megawatt hours) delivered to others for resale.
7	Net Energy for System (N5.2) MWh: Enter the amount of net energy (in megawatt hours) for the system (data field 3 plus data field 5 minus data field 6).
8	Monthly Peak Load (N5.2) MW: Enter the system peak load by month (in megawatts), based on net energy for system in data field 7 above.

FPC Form 131  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM
	DETAILED INSTRUCTIONS: SCHEDULE 0680 SYSTEM LOAD DATA FOR SPECIFIED WEEKS - AM

I. DESCRIPTION

This schedule is used to collect the 60-minute integrated megawatt demand for each clock-hour from 1:00 AM to Noon of the days specified in this schedule, determined from coincident demands as follows:

- (a) Combined net demand on all system generating plants
- (b) Plus: Power received from other systems and industrial companies, excluding borderline receipts
- (c) Minus: Power delivered for resale to each Type I system that obtained a part of its power supply during the year from its own generating facilities or from systems other than the respondent's.
- (d) Total net demand for load data (a) plus (b) minus (c).

Note that power delivered by the respondent to another Type II or Type III system and deliveries to ultimate consumers of another system is included in the respondent's system load for purposes of this schedule.

Where integrated demands for 60-minute clock-hour intervals are not available, it is desired that available data be adjusted to approximate the integrated demand for 60-minute clock-hour intervals.


II. GENERAL INFORMATION

- A. This schedule shall be submitted by electric utility respondents filing for all Type I designated systems.
- B. Respondents shall complete all data fields on this schedule annually.
- C. This schedule is used to collect information by clock-hour for three weeks - the first full weeks in April, August, and December. Data field 13 is tabular for each of the seven days in the week with hour numbers preprinted in data field 11, a 24-hour clock is used with hours 01 through 12 appearing in this data field. Two schedules are thus required to report one week's data 0680 and 0681. A coded entry in data field 2 will identify the week being reported.

III. DETAILED INSTRUCTIONS

The following data field-by-date field instructions are cross-referenced to the corresponding schedule layout by the date field number:

Data Field Number	Instructions
1 (Key)	System Code (N6): Enter the code, from the Register of Data Standards, <u>INDSYE</u> .

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM
	DETAILED INSTRUCTIONS: SCHEDULE 0680 SYSTEM LOAD DATA FOR SPECIFIED WEEKS - AM

Data Field Number	Instructions
2 (Key)	Week (A1): One-character code for week reported. First full week in April will be "1", August will be "2", and December will be "4". (FREQR)
3	Demand Interval (W2): Report demand interval, in minutes, as specified in the Register of Data Standards, <u>ITDMM</u> .
4	Time Zone (A3): Enter abbreviation, from the Register of Data Standards, <u>ITDZM</u> .
5	Begin Date DST (W2): If the system operated on daylight saving time during the year, give beginning date of the daylight saving time period, a.g., 03 for third. (NRORDL)
6	End Date DST (W2): Enter end date of above period, a.g., 10 for tenth. (NRORDL)
7	Readings in DST (N3): If, for any reason, daylight savings time does not encompass an entire week, report the first hourly reading in DST. Identify the reading by the number of the weekday and the hour of the day, e.g., if the first reading is 3 AM Monday, enter 203. (TDWRR)
8	Begin Date (W2): Enter the first day of the week being reported, e.g., 01 for first. (NRORDL)
9	End Date (W2): Enter end date of above period. (NRORDL)
10	Indicate Unusual Conditions (N1): If unusual conditions (storms, floods, industrial disturbances, etc.) greatly affected the system load characteristics during the year reported, place a "1" in this field; enter "g" for no unusual conditions. Report dates and briefly describe these conditions in a footnote entry. All footnotes should be recorded according to the procedures outlined in the General Instructions. (INTONO)
11 (Key)	Hour (W2): This data field will be preprinted with clock hours #1 through 12. Clock hours 13-24 are reported on schedule 0681. (TMRDY)
12 (Key)	Day of Week/Integrated Demand (N9) (W4): Enter demand for each day, by clock hours.

<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	1 of 2
	DETAILED INSTRUCTIONS: SYSTEM LOAD DATA FOR SPECIFIED WEEKS - PM SCHEDULE 0681	

Data Field Number	Instructions
1 (Key)	System Code (06): Enter the code, from the Register of Data Standards, IDTSTI.
2 (Key)	Week (A1): One-character code for week reported. First full week in April will be "1", August will be "2", and December will be "4". (TDSNTR)

PFC Form 131  
(3-76)

<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	2 of 2
	DETAILED INSTRUCTIONS: SYSTEM LOAD DATA FOR SPECIFIED WEEKS - PM SCHEDULE 0681	

Data Field Number	Instructions
3	Demand Interval (N2): Report demand interval in minutes, as specified in the Register of Data Standards, IDMIN.
4	Time Zone (A3): Enter the abbreviation, from the Register of Data Standards, IDTMZN.
5	Begin Date DST (N2): If the system operated on daylight savings time during the year, give beginning date of the daylight savings time period, e.g., 03 for third. (NRNDL)
6	End Date DST (N2): Enter end date of above period, e.g., 10 for tenth. (NRNDL)
7	Readings in DSI (N3): If, for any reason, daylight savings time does not encompass an entire week, report the first hourly reading in DST. Identify the reading by the number of the weekday and the hour of the day, e.g., if the first reading is 11 PM, Monday, enter 223. (TDMHR)
8	Start Date (N2): Enter the first day of week being reported, e.g., 01 for first. (NRNDL)
9	End Date (N2): Enter end date of above period. (NRNDL)
10	Indicate Unusual Conditions (N1): If unusual conditions (storms, floods, industrial disturbances, etc.) greatly affected the system load characteristics during the week reported, place a "1" in this field; enter "0" for no unusual conditions. Report dates and briefly describe these conditions in a footnote entry. All footnotes should be recorded according to the procedures outlined in the General Instructions. (INTOM0)
11 (Key)	Hour (N2): This field will be preprinted with clock hours 13 through 24. Clock hours 01-12 are reported on Schedule 0680. (PMHR)
12 (Key)	Day of Week/Integrated Demand (N9) (M): Enter the demand for each day, by clock hours.

PFC Form 131  
(3-76)

**I. DESCRIPTION**

This schedule is used to collect the 60-minute integrated megawatt demand for each clock-hour from 1:00 PM to midnight of the days specified in this schedule, determined from coincident demands as follows:

- Combined net demand on all systems generating plants
- Plus: Power received from other systems and industrial companies, excluding borderline receipts
- Minus: Power delivered for resale to each Type I systems that obtained a part of its power supply during the year from its own generating facilities or from systems other than the respondent's
- Total net demand for load data (a) plus (b) minus (c).

Note that power delivered by the respondent to another Type II or Type III systems is included in the respondent's system load for purposes of this schedule.

Where integrated demands for 60-minute clock-hour intervals are not available it is desired that available data be adjusted to approximate the integrated demand for 60-minute clock-hour intervals.

**II. GENERAL INFORMATION**


- This schedule shall be submitted by electric utilities filing for all Type I systems.
- Respondents shall complete all data fields on this schedule annually.
- This schedule is used to collect information by clock-hour for three weeks - the first full weeks in April, August, and December. Data field 13 is tabular for the seven days in the week with hour numbers preprinted in data field 11, a 24-hour clock is used with hour 13 through 24 appearing in this date field. Two schedules are thus required to report one week's data. 0680 and 0681. A coded entry in data field 2 will identify the week being reported.

**III. DETAILED INSTRUCTIONS**

The following data field-by-date field instructions are cross-referenced to the corresponding schedule layout by the data field number:

Data Field Number	Instructions
1 (Key)	System Code (06): Enter the code, from the Register of Data Standards, IDTSTI.
2 (Key)	Week (A1): One-character code for week reported. First full week in April will be "1", August will be "2", and December will be "4". (TDSNTR)

PFC Form 131  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	1 of 1
	DETAILED INSTRUCTIONS: SYSTEM ENERGY AND PEAK LOAD FORECAST SCHEDULE 0683	

I. DESCRIPTION

This schedule is used to collect the data concerning estimates of system's power requirements for the summer and winter month during which the seasonal peak load occurs.

II. GENERAL INFORMATION

A. This schedule shall be submitted by electric utilities with Type I designated systems.

B. Respondents shall complete all data fields on this schedule annually.


C. Furnish estimates of system's power requirements for the next ten calendar years. Each year will have two lines of data for two seasons (summer and winter).

III. DETAILED INSTRUCTIONS

The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by the data field number:

Data Field Number	Instructions
1 (Key)	System Code (N6): Enter the code, from the Register of Data Standards, <u>INDSYI</u> .
2 (Key)	Year (N2): Enter the last two digits of the year, the same year will be repeated on the next line for winter season data. (TWYEAR)
3 (Key)	Season (N1): Code for the season will be preprinted (i.e., Summer - "2," and Winter - "4," for the same year). (TSMWTR)
4	Month (M2): Enter the code for the month of peak (i.e., January - 01, August - 08), from the Register of Data Standards, <u>TMMXIA</u> .
5	Net Generation (N12) MWH: Enter the "net generation for load" (in megawatt hours). This will be a one time occurrence for the year.
6	Peak Load (N9.1) MW: Enter the seasonal peak load (in megawatts) for data field 3.
7	Load Factor (N3.2) PCT: Enter the annual load factor (in per cent). This will be reported one time for the year.

FPC Form 131  
(5-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	1 of 1
	DETAILED INSTRUCTIONS: SYSTEM FUTURE CHANGES IN FIRM POWER TRANSFERS SCHEDULE 0682	

I. DESCRIPTION

This schedule is used to collect the data concerning contemplated changes in firm power contracts with other systems.

II. GENERAL INFORMATION

A. This schedule shall be submitted by electric utilities with Type I designated systems.

B. Respondents shall complete all data fields on this schedule annually.

C. The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by the data field number:


III. DETAILED INSTRUCTIONS

The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by the data field number:

Data Field Number	Instructions
1 (Key)	System Code (N6): Enter the code, from the Register of Data Standards, <u>INDSYI</u> .
2	Type Change (A4): Enter the code for the type of change from the following list: (TYCHNG) NWCT - New contract CECT - Change in existing contract TOCT - Termination of contract
3	Name of Other System (A35): Enter the name of the other system to the firm power contract. (LIMDUM)
4	Start Date (M4): Enter the month (two-digit numeric code) and year (last two digits of the year) when the contract becomes effective, in the format MMYY. (TMMWAT)
5	Complete Date (M4): Enter the month (two-digit numeric code) and year (last two digits of the year) when the contract terminates. (TMMWAT)
6	Dependable Capacity (N6.2) MW: Enter (in megawatts) the net dependable capacity of new or existing contracts or changes in net dependable capacity of existing contracts.

FPC Form 131  
(5-76)



	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	06/24/76
	DETAILED INSTRUCTIONS: SCHEDULE 0684 DISTRIBUTION OF SYSTEM LOAD IN SERVICE AREA	1 of 2

I. DESCRIPTION

This schedule is used to collect information on the distribution of the system load within the geographical territory served by the system. This information should be furnished on the basis used by respondent in maintaining load distribution data, such as by primary substations, operating divisions, communities, metropolitan areas, industrial areas, or other areas, in which the annual energy consumption was 10 per cent of the system total or 10,000 MWh, whichever is greater.

II. GENERAL INFORMATION

A. This schedule shall be submitted by electric utilities with Type I designated systems.


B. Respondents shall complete all data fields on this schedule annually.

III. DETAILED INSTRUCTIONS

The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by the data field number:

Data Field Number	Instructions
1 (Key)	System Code (M6): Enter the code, from the Register of Data Standards, <u>INDSYT</u> .
2 (Key)	Designation of Area (A20): Indicate whether primary substation, operating division, or community and provide name. (IDBESC)
3	Map Tie-In Number (M2): Enter the unique numeric sequential code (01-99) assigned by the respondent to this designated area and used to identify the designated area on the associated map on Schedule 0836. (NRCADL)
4	Annual MWh (M1) MWh: Total energy distributed (in megawatt hours) in this area.
5	Peak Demand (M5.2) Mh: Peak demand (in megawatts) of the area during report period.
6	Peak Date (M6): Date of peak demand in data field 5 above, in the format MMDD. (TRQATE)
7	Load Factor (M5) Pct: Enter annual load factor, calculated as specified in the Level II Instructions.
8 (Key)	Type Distribution (A3): This will be preprinted with the following types of distribution: Farm, Nonfarm Residential, Commercial, Industrial, and Other (in loads, losses) (TRRESV) Note: The sum of data field 8 must equal data field 4 above.

FPC Form 331  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	06/24/76
	DETAILED INSTRUCTIONS: SCHEDULE 0684 DISTRIBUTION OF SYSTEM LOAD IN SERVICE AREA	2 of 2

Data Field Number

9

Instructions

Percentage of Distribution (M3) Pct: Enter percentage of distribution to appropriate category in data field 8 above.

FPC Form 331  
(3-76)

<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	
DETAILED INSTRUCTIONS: SCHEDULE 0708		SYSTEM GENERATION
		1 of 2

	I. DESCRIPTION	
This schedule is used to collect information on electric energy generated within a system during the year.		
II. GENERAL INFORMATION		
A. This schedule shall be submitted by all electric utilities operating Typs I systems.		
B. Respondents shall complete all data fields on this schedule annually.		
III. DETAILED INSTRUCTIONS		
The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by data field number:		
Data Field Number	Instructions	
1 (Key)	System Code (N6): Enter the system code for the system being reported upon, from the Register of Data Standards, IDBIS1.	
2	Steam Electric - Fossil (N9) MHR: Enter the net generation (excluding plant use) for the system indicated in data field 1 above, produced by fossil-fueled steam electric units.	
3	Steam Electric - Nuclear (N9) MHR: Enter the net generation (excluding plant use) for the system indicated in data field 1 above, produced by nuclear fueled steam electric units.	
4	Steam Electric - Geothermal (N9) MHR: Enter the net generation (excluding plant use) for the system indicated in data field 1 above, produced by geothermal fueled steam electric units.	
5	Conventional Hydroelectric (N9) MHR: Enter the net generation (excluding plant use) for the system indicated in data field 1 above, produced by conventional hydroelectric generating units.	
6	Pumped Storage Hydroelectric (N9) MHR: Enter the net generation (excluding plant use) for the system indicated in data field 1 above, produced by pumped storage hydroelectric generating units. Do not include pumping energy requirements.	
7	Gas-Turbine (N9) MHR: Enter the net generation (excluding plant use) for the system indicated in data field 1 above, produced by gas-turbine generating units.	
8	Internal Combustion (N9) MHR: Enter the net generation (excluding plant use) for the system indicated in data field 1 above, produced by internal combustion generation units.	


FPC Form 111  
(3-76)

<b>RIS</b>	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	
DETAILED INSTRUCTIONS: SCHEDULE 0708		SYSTEM GENERATION
		2 of 2

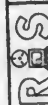
	Instructions	
Data Field Number		
9	Other Generation Types (A15): Enter a description of other generation types not covered by data fields 2 through 8 above. (1DDESC)	
10	Other Amount (N9) MHR: Enter the amount of generation (excluding plant use) produced by the generation types described in data field 9 above.	
11	Total Generation (N9) MHR: Enter the total generation (excluding plant use) produced by the system identified in data field 1 above. This should equal the sum of values in data fields 2 through 8 and 10 above.	
12	Pumping Energy Requirements (N9) MHR: Enter the total amount of energy used for pumping by the system identified in data field 1 above.	
13	Total Net Generation (N9) MHR: Enter the total net generation (total generation without plant use, the value in data field 11 above, minus pumping energy, the value in data field 12 above) for the system being reported.	

FPC Form 111  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SYSTEM PURCHASES OR SALES FOR RESALE	2 of 3
	DETAILED INSTRUCTIONS: SCHEDULE 0709	

Data Field Number	Instructions
6	Type of Receiving System (N1): This date field should be blank for Account 555.00. For Account 447.00, enter the appropriate code from the following list: (TFOFST) 1 = Type I 2 = Type II 3 = Type III
7	Power Classification (N1): Enter the appropriate code, from the Register of Data Standards, <u>ITPNCI</u> .
8	Import - Export Code (A1): Enter one of the following codes: (ITPINC) 0 = Transaction within a state S = Transaction across a state line I = Transaction across an international boundary
9	Name of Transmitting System (A35): Enter the name of the transmitting system if wheelad by a third party. (IDNAME)
10	FPC Rate Schedule Number (A11): Enter the FPC assigned rate schedule number, if one exists, from the Register of Data Standards, <u>IDBATE</u> .
11	Substation Transfer Point (A16): Enter the name of the substation where energy is received or delivered. (IDDESC)
12	County Point of Transfer (N3): Enter the county coded for the county in which the substation is located. (IDDESC)
13	State Point of Transfer (A2): Enter the state abbreviation for the state in which the substation is located. (IDSTATE)
14	Substation Ownership Indicator (N1): Enter the code, from the following set, which indicates who owns the substation where the energy exchange takes place. (INETOR) 1 = Respondent owned or leased 2 = Other party owned or leased
15	Units for Demand Data (A4): Enter the unit of measure for the last three data fields. Data may be reported in MW or MVA (MW is preferred). The same units must be used for all three data fields (16, 17 and 18). Enter MW or MVA as appropriate. (TYUNMS)

FPC Form 331  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SYSTEM PURCHASES OR SALES FOR RESALE	1 of 3
	DETAILED INSTRUCTIONS: SCHEDULE 0709	

Data Field Number	Instructions
<p><b>I. DESCRIPTION</b></p> <p>This schedule is used to collect data on power purchased for resale and power sold for resale during the year whose dollar amounts are accounted for in Accounts 555.00 and 447.00, respectively.</p> <p><b>II. GENERAL INFORMATION</b></p> <p>A. This schedule shall be submitted by all electric utilities operating Type I systems and for other systems as specified by the FPC.</p> <p>B. Respondents shall complete all data fields on this schedule annually.</p> <p>C. Exclude from this schedule any particulars concerning interchange power which should be reported on Schedule 0710.</p> <p><b>III. DETAILED INSTRUCTIONS</b></p> <p>The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by data field number:</p>	
1 (Key)	System Code (N6): Enter the respondent's system code, from the Register of Data Standards, <u>IDSYSL</u> .
2 (Key)	Account Number (N3.2): Enter one of the following values: 555.00 = Account number for purchases for resale 447.00 = Account number for sales for resale
3 (Key)	Transaction ID (W2): Enter the respondent assigned numeric sequential code, beginning with 01, for each transaction (purchase or sale) for each account reported in data field 2 above. (NRCAUL)
4	Name of Other System (A35): Enter the name of the purchaser for Account 447.00 or seller for Account 555.00. (IDNAME)
5	Classification of Other System (N1): Enter one of the following codes defining the classification of the purchaser or seller. (TYUTEL) 1 = Associated utilities 2 = Non-associated utilities 3 = Associated non-utilities 4 = Other non-utilities 5 = Municipalities 6 = Cooperatives 7 = Other Public Authorities

FPC Form 331  
(3-76)

RIS FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM	
SYSTEM PURCHASES OR SALES FOR RESALE	
Data Field Number	Instructions
16	Contract Demand (N5.2) NO: Enter the amount of maximum demand specified in the power contract as a basis of billing.
17	Average Monthly Maximum Demand (N5.2) NO: Enter the average monthly maximum demand based on monthly readings, whether or not used in the determination of demand charges.
18	Annual Maximum Demand (N5.2) NO: Enter the annual amount of maximum demand based on monthly reading, whether or not used in the determination of demand charges.
19	Type of Demand Reading (N2): Enter one of the following two digit codes: (TIMING) 00 - Instantaneous 15 - 15 minutes 30 - 30 minutes 60 - 60 minutes
20	Voltage at Transaction Point (N4.1) KV: Enter the amount of voltage at which energy was received or delivered.
21	Annual Energy Metered (N8.2) MWH: Enter the amount of energy metered in this transaction.
22	Annual Energy Billed (N6.2) MWH: Enter the amount of energy billed in this transaction.
23	Demand Charge (N10) DOL: Enter the appropriate revenue or cost.
24	Energy Charge (N10) DOL: Enter the appropriate revenue or cost.
25	Other Charges (N10) DOL: Enter the appropriate revenue or cost.
26	Total Charges (N10) DOL: Enter the appropriate revenue or cost.
27	Months per KWH (N2.3) CTS: Enter cost per KWH for purchases and revenue per KWH for sales.

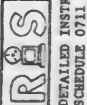
400  
(5-74)

<b>FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM</b>		2 of 2
DETAILED INSTRUCTIONS: SCHEDULE 0710 SYSTEM INTERCHANGE POWER		
<b>RIS</b>		
Date Field Number	Instructions	
6 (cont'd)	0 = Interchange within a state S = Interchange across a state line I = Interchange across an international boundary	
7	FPC Rate Schedule Number (A11): Enter the FPC assigned rate schedule number, from the Register of Data Standards, <u>IDNAME</u> .	
8	Interchange Substation (A16): Enter the respondent's commonly used designation for the interchange substation. ( <u>IDDESC</u> )	
9	Interchange County (M3): Enter the county in which the substation defined in data field 8 above is located, from the Register of Data Standards, <u>IDCNTY</u> .	
10	Interchange State (A2): Enter the state abbreviation for the state in which the substation defined in data field 8 above is located, from the Register of Data Standards, <u>IDSTAT</u> .	
11	Voltage at Interchange (M4.1) KV: Enter the voltage at the interchange point.	
12	Gross Energy Receipts (M8.2) MWH: Enter the gross energy received in MWH.	
13	Gross Energy Deliverables (M8.2) MWH: Enter the gross energy delivered in MWH.	
14	Net Difference (M6.2) MWH: Enter the net difference between the power received and the power delivered.	
15	Amount of Settlement (M10) DOL: Enter the amount of settlement charges or net charge or credit resulting from an interchange power agreement.	
16	Non-Monetary Settlement Terms (A65): Enter an explanation of non-monetary settlement terms. ( <u>IDDESC</u> )	

FPC Form 131  
(5-76)

<b>FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM</b>		1 of 2
DETAILED INSTRUCTIONS: SCHEDULE 0710 SYSTEM INTERCHANGE POWER		
<b>RIS</b>		
I. DESCRIPTION		
This schedule is used to collect data on interchange power for the year where the dollar amounts are included in Account 555-00.		
II. GENERAL INFORMATION		
A. This schedule shall be submitted by all electric utilities operating Type I systems.		
B. Respondents shall complete all data fields on this schedule annually.		
III. DETAILED INSTRUCTIONS		
The following data field-by-date field instructions are cross-referenced to the corresponding schedule layout by data field number:		
Date Field Number		
1 (Key)	System Code (M6): Enter the system code for the system being reported, from the Register of Data Standards, <u>IDSYST</u> .	
2 (Key)	Interchange ID (M2): Enter a respondent assigned numeric sequential code, beginning with 01, to define the interchange of power being reported. ( <u>IDCADL</u> )	
3	Name of Other System (A35): Enter the name of the system involved in interchange of power with the system defined in data field 1 above. ( <u>IDNAME</u> )	
4	Classification of Other System (M1): Enter one of the following codes defining the classification of the other system: ( <u>IDTUTL</u> )	
	1 = Associated utilities 2 = Non-associated utilities 3 = Associated non-utilities 4 = Other non-utilities 5 = Municipalities 6 = Cooperatives 7 = Other public authorities	
5	Type of Other System (M1): Enter the appropriate code for the type of other system from the following list: ( <u>IDTOST</u> )	
	1 = Type I 2 = Type II 3 = Type III	
6	Import/Export Code (A1): Enter one of the following codes: ( <u>IDINTC</u> )	

FPC Form 131  
(5-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0711	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0711
	DETAILED INSTRUCTIONS: SYSTEM TRANSMISSION OF ELECTRICITY FOR OR BY OTHERS	DETAILED INSTRUCTIONS: SYSTEM TRANSMISSION OF ELECTRICITY FOR OR BY OTHERS

I. DESCRIPTION

This schedule is used to collect information on transmission of energy for the year by the respondent's system for others and transmission of energy by another system for the year for the respondent's supplying system. This transmission is commonly termed "wheeling".

II. GENERAL INFORMATION


A. This schedule shall be submitted by all electric utilities operating Type I systems.

B. Respondents shall complete all data fields on this schedule annually.


III. DETAILED INSTRUCTIONS

The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by data field number. This schedule has been assigned to all report dates for Accounts 456.00 and 565.00. The instructions have been generalized for this purpose.

Data Field Number	Instructions
1 (Key)	System Code (N6): Enter the system code, from the Register of Data Standards, <u>IDSYST</u> .
2 (Key)	Account Number (N3.2): Enter "456.00" when reporting transmission for others and "565.00" when reporting transmission by others. ( <u>ACCTM</u> )
3 (Key)	Transmission ID (N2): Enter the respondent assigned numeric sequential code, beginning with 01, for each transmission reported for each account indicated in data field 2 above. ( <u>TRCADL</u> )
4	Name of Other System (A35): For Account 456.00, enter the name of the supplying system, or for Account 565.00, enter the name of the wheeling system. ( <u>IDNAME</u> )
5	Classification of Other System (N1): Enter one of the following codes defining the classification of the other system. ( <u>TYINTC</u> ) <ul style="list-style-type: none"> <li>1 = Associated utilities</li> <li>2 = Non-associated utilities</li> <li>3 = Associated non-utilities</li> <li>4 = Other non-utilities</li> <li>5 = Municipalities</li> <li>6 = Cooperatives</li> <li>7 = Other public authorities</li> </ul>
6	Import-Export Code (A1): Enter one of the following codes: ( <u>TYINTC</u> )

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0711	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0711
	DETAILED INSTRUCTIONS: SYSTEM TRANSMISSION OF ELECTRICITY FOR OR BY OTHERS	DETAILED INSTRUCTIONS: SYSTEM TRANSMISSION OF ELECTRICITY FOR OR BY OTHERS


Data Field Number	Instructions
6 (cont'd)	0 = Transmission within a state 5 = Transmission across a state line 1 = Transmission across an international boundary
7	Annual Energy Received (N8.2) MWH: Enter the annual amount of energy received before wheeling from supplying system if transmission for other, or energy received after wheeling if transmission by others.
8	Annual Energy Delivered (N8.2) MWH: Enter the annual amount of energy delivered after wheeling if transmission for others, or energy delivered before wheeling if transmission by others.
9	Amount of Settlement (N10) DOL: Enter the monetary settlement received or paid.
10	Basis of Monetary Settlement (A65): Enter the basis of monetary settlement. ( <u>IDDESC</u> )
11	Amount of Non-monetary Settlement (N8.2) MWH: Enter the MWH representing compensation for the service if the settlement is non-monetary.
12	Basis for Non-monetary Settlement (A65): Enter basis of non-monetary settlement. ( <u>IDDESC</u> )
13	Settlement Other Than Monetary or MWH (A65): Enter description of settlement which was not in terms of dollars or energy. ( <u>IDDESC</u> )
14	Other Services Received (A65): Enter other explanations indicating any material services remaining to be received or furnished at the end of the year. ( <u>IDDESC</u> )
15	Accounting Procedures for Other Services (A65): Enter, for information in data field 14 above, the accounting procedures recorded to avoid a possible material distortion of reported operating income for the year. ( <u>IDDESC</u> )
16	Receiving System Name (A35): Enter the name of the system to which energy is distributed by the transmission being reported upon. ( <u>IDNAME</u> )
17	Transfer Switch Before/After Wheeling (N1): This data field is used in conjunction with data fields 18, 19 and 20 below. It defines whether the transfer point being described is before or after wheeling. Enter "1" for before or "2" for after. ( <u>INETOR</u> )
18	Substation Name (A16): Enter the respondent's commonly used designation for the substation name. ( <u>IDDESC</u> )

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SYSTEM TRANSMISSION OF ELECTRICITY FOR OR BY OTHERS	3 of 3
Data Field Number	Instructions	
19	County Code (N3): Enter the county code indicating the location of the substation identified in data field 18 above, from the Registrar of Data Standards, <u>IDCNYI</u> .	
20	State Abbreviation (A2): Enter the state abbreviation indicating the location of the substation identified in data field 18 above, from the Registrar of Data Standards, <u>IDSEXE</u> .	

FPC Form 131  
(3-76)






	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0713	SYSTEM ULTIMATE CONSUMER DELIVERIES AND LOSSES	2 of 2
	DETAILED INSTRUCTIONS:		

Date Field Number	Instructions
7	Unaccounted for Energy (N12) KWH: Enter all losses of energy which are otherwise unaccounted.
8	Net Energy for System (N12) KWH: Enter value computed as sum of values reported in data fields 4, 5, and 6 above; Total End Use Deliveries, Transmission Losses, and Distribution Losses.
9A	Type Sales (A30): This is a preprinted date field describing type of sales for which number of customers and energy delivered are requested. (ITERSV)
9B	Type Code (A3): This is a preprinted date field containing an identifying code to be used by the FPC relevant to the reported date. (ITERSV)
10	Number of Customers at End of Year (N6): Enter the number of customers at the end of the year associated with the type of sale identified in data field 9A above. This figure is not required for Total Ultimate Delivery. (NCOBLL)
11	Delivered (N12) KWH: Enter the energy delivered for the type of sales identified in data field 9A above. The value for the preprinted "Total Ultimate Delivery" is defined as the sum of all previous data field 11 values.

FPC Form 131  
(5-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0713	SYSTEM ULTIMATE CONSUMER DELIVERIES AND LOSSES	1 of 2
	DETAILED INSTRUCTIONS:		

Date Field Number	Instructions
<p><b>I. DESCRIPTION</b></p> <p>This schedule is used to collect data on energy delivered to ultimate consumers of the respondent's system for the year. This excludes borderlines deliveries to other systems' ultimate consumers but includes borderlines receipts to the respondent system's ultimate consumers as well as deliveries to respondent's ultimate consumers where there are "wheeling" arrangements.</p> <p style="text-align: center;"><b>II. GENERAL INFORMATION</b></p> <p>A. This schedule shall be submitted by all electric utilities for all Type I, Type II, and Type III systems.</p> <p>B. Respondents shall complete all data fields on this schedule annually.</p> <p>C. The energy use classifications of Irrigation and Drainage Pumping, and Electrified Irrigation and Drainage Pumping - Estimates should be furnished for this classification if exact information is not available.</p> <p>Electrified Transportation - Energy supplied for the propulsion of cars, locomotives or coaches. Energy for office buildings, depots, shops, signal lights, etc., should be reported under "Commercial" or "Industrial", as appropriate.</p> <p style="text-align: center;"><b>III. DETAILED INSTRUCTIONS</b></p> <p>The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by data field number:</p>	
1 (Key)	System Code (N6): Enter the system code, from the Register of Date Standards, IDSEYI.
2	Energy Furnished Without Charge (N12) KWH: Enter the amount of energy furnished without charge.
3	Energy Used Without Plant Use (N12) KWH: Enter the amount of energy used by the utility exclusive of plant use. Note: Pumping energy is reported on Schedule 0708.
4	Total End Use Deliveries (N12) KWH: Enter the total end use Deliveries (Total Ultimate Deliveries (data field 9A, plus Energy Furnished Without Charge, data field 2, plus Energy Used Without Plant Use, data field 3).
5	Transmission Losses (N12) KWH: Enter energy losses through transmission.
6	Distribution Losses (N12) KWH: Enter energy losses through distribution.

FPC Form 131  
(5-76)


	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0714	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM SCHEDULE 0714
	DETAILED INSTRUCTIONS: SYSTEM NET GENERATION, ENERGY TRANSFERRED AND ASSOCIATED PEAK DEMAND BY MONTH	
		1 of 2

Data Field Number	Description
<p><b>I. DESCRIPTION</b></p> <p>This schedule is used to collect information on system net generation, energy transfer totals, "net energy for system" and "load" and associated peak demands by month for the year.</p>	
<p><b>II. GENERAL INFORMATION</b></p> <p>A. This schedule shall be submitted by all electric utilities with Type I systems.</p> <p>B. Respondents shall complete all data fields on this schedule annually.</p>	
<p><b>III. DETAILED INSTRUCTIONS</b></p> <p>The following data fields-by-data field instructions are cross-referenced to the corresponding schedule layout by data field number:</p>	
<p><b>INSTRUCTIONS</b></p>	
1 (Key)	System Code (N6): Enter the system code, from the Register of Data Standards, <u>UDSYST</u> .
2	Annual Peak Load Demand Interval (N2): Enter the peak load demand interval code, from the Register of Data Standards, <u>TIDMIN</u> .
3 (Key)	Month Code (N2): Enter the two digit numeric code for the month, i.e., January = 01, March = 03, etc., from the Register of Data Standards, <u>MOOFIE</u> .
4	Net Generation (N9) MWh: Enter the monthly value for net generation. The annual total for this value is reported on Schedule 0708 in data field 11.
5	Peak Demand (N6) MWh: Enter the value of the peak demand on plants at the time of the peak load which is to be reported in data fields 13 and 14 below.
6	Other Sources (N9) MWh: Enter the sum of all gross energy received during the reporting month from purchase for resale, interchange of power, before wheeling for others, after wheeling by others and borderline receipts.
7	Intersystem Deliveries (N9) MWh: Enter the sum of all gross energy delivered during the reported month for resale, for sale, interchange power, after wheeling for others, before wheeling by others and borderline deliveries.
8	Net Energy for System (N9) MWh: Enter net energy for system. This value is defined as being the value in data field 4 above plus the value in data field 6 above less the value in data field 7 above. The 12-month total should equal the total of all deliveries on Schedule 0713.


FIC Form 131  
(3-76)

Data Field Number	Instructions
9	System Peak (N6) MWh: Enter the system peak based on the value computed for data field 8 above, Net Energy for System.
10	Intersystem Deliveries (In-Loads) (N9) MWh: Enter the sum of all gross energy delivered during the reported month from sales for resale to Type II and Type III systems, interchange power to Type II and Type III systems, borderline deliveries and less borderline receipts.
11	Net Energy for Load (N9) MWh: Enter net energy for load which is defined as the sum of values stored in data fields 8 and 10 above.
12	Peak Load (N6) MWh: Enter the peak load based upon the value computed for data field 11 above.
13	Day of Peak Load (N2): Enter the day of the month when peak load reported in data field 12 above occurred. (WRCADL)
14	Hour of Peak Load (N2): Enter the hour of the day, i.e., 2 p.m. as 14, of the peak load reported in data field 12 above. (THURDY)
15	Minimum Monthly Load (N6) MWh: Enter the value of the minimum monthly load based upon the net energy for load reported in data field 11 above.

FIC Form 131  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM MAP OF DISTRIBUTION OF SYSTEM LOAD IN SERVICE AREA	2 of 2
<p><b>DETAILED INSTRUCTIONS:</b> SCHEDULE 0856</p> <p style="text-align: center;"><u>Instructions</u></p> <p><b>Data Field Number</b> 6</p> <p><b>System Land in Service Area Maps:</b> Provide a sketch map showing the location and the approximate boundary of each of these areas. Each location or designation of area is to be identified by a map tie-in number. This number may attach the one entered in data field 3 on Schedule 0854. If this information is provided on the map submitted with Schedule 0852, so indicate.</p>		

REG Form 131  
(3-76)

	FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM MAP OF DISTRIBUTION OF SYSTEM LOAD IN SERVICE AREA	1 of 2
<p><b>DETAILED INSTRUCTIONS:</b> SCHEDULE 0856</p> <p style="text-align: center;"><u>I. DESCRIPTION</u></p> <p>This schedule is used to collect information on the distribution of the system load within the geographical territory served by the system. This information should be furnished on the basis used by respondent in maintaining load distribution data, in- as by primary substation operating divisions, communities, metropolitan areas, industrial areas, or other areas, in which the annual energy consumption was 10 percent of the system total or 10,000 kWh, whichever is greater.</p> <p style="text-align: center;"><u>II. GENERAL INFORMATION</u></p> <p>A. This schedule shall be submitted by electric utilities with Type I designated systems.</p> <p>B. This schedule shall be submitted with appropriate maps on the initial submission for a system. Thereafter, it shall be submitted annually with appropriate maps showing changes that have occurred during the reporting period, or indicating that no changes have occurred.</p> <p style="text-align: center;"><u>III. DETAILED INSTRUCTIONS</u></p> <p>The following data field-by-data field instructions are cross-referenced to the corresponding schedule layout by data field number:</p> <p style="text-align: center;"><u>Data Field Number</u></p> <p>1 (Key) <u>System Code (NO)</u>: Enter the system code, from the Register of Data Standards, <u>IDSYS1</u>.</p> <p>2 <u>System Name (A35)</u>: Enter the system name, from the Register of Data Standards, <u>IDSYS1</u>.</p> <p><b>Notes:</b> A "1" must be entered in one and only one of the following data fields (3, 4 or 5) below:</p> <p>3 <u>Indicator Initial Submission (NI)</u>: Enter "1" if this is the initial submission of data for the system indicated in data field 2 above; if not, enter "0". (INYN00)</p> <p>4 <u>Indicator Annual Submission With Changes (AI)</u>: Enter "1" if this is an annual submission of data with changes to previous submitted information; if not, enter "0". (INYN00)</p> <p>5 <u>Indicator Annual Submission Without Changes (NI)</u>: Enter "1" if this is an annual submission of data without changes from that previously submitted data (in this case the material associated with data field 6 below may be omitted); if not, enter "0". (INYN00)</p>		

REG Form 131  
(3-76)

<b>RAS</b> FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM FOOTNOTES TO FPC PUBLIC USE SCHEDULES		2 of 2
DETAILED INSTRUCTION: SCHEDULE 0000		
Data Field Number	Instructions	
1 (Key)	Schedule Number (N4): Enter the number of the schedule on which the footnote reference number was assigned, e.s., 0501 or 0505.	
2 (Key)	Footnote Number (N3): Enter the unique footnote reference number from 001-999 for each particular submission.	
3 (Key)	Reference Identification (A3): Enter "GEN" for Type 1e end Ze footnotes, i.e., footnotes that apply to the entire schedule to an entire logical entry or enter the appropriate data field number for the specific date field value being footnoted (Type 1b or 2b).	
4 (Key)	Line Sequence Number (N2): Enter 01, 02 etc., for each successive line of text.	
5 (Key)	System Code (N6): This date field applies only to Electric respondents reporting data by system. Enter the six digit number code for the system, from the Register of Data Standards, <u>INDSYE</u> .	
6 (Key)	Plant ID (N5): This data field applies only to Electric respondents reporting data by plant. Enter the five digit numeric code for the plant, from the Register of Data Standards, <u>IDPLNT</u> .	
7 (Key)	Project Development Code (A5): This data field applies only to Electric respondents reporting data by license project. Enter the five digit numeric code for the license project, from the Register of Data Standards, <u>IDLPRJ</u> .	
8	Text (A72): Enter the text of the footnote. Use successive lines as required for text. Repeat Data Fields 1-3, 5 or 6 as applicable, and increment Date Field 4 (Line Sequence Number) by 1.	

FPC Form 131 (5-76)

<b>RAS</b> FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM FOOTNOTES TO FPC PUBLIC USE SCHEDULES		1 of 2
DETAILED INSTRUCTION: SCHEDULE 0000		
This schedule is used to collect the text for all footnote references for a respondent submission.		
I. DESCRIPTION		
II. GENERAL INFORMATION		
A. This schedule shall be submitted when applicable by all respondents for reporting footnotes to FPC Public Use Schedules.		
B. The footnote reference numbers must be unique within a particular submission.		
C. The respondent has to indicate two major types of footnotes.		
1. General Footnote - The General Footnote can refer to either the entire schedule or one date field on the schedule, i.e., all data which is reported for data field 5 on the schedule not just one specific value for data field 5.		
2. Specific Footnote - The Specific Footnote can refer either to an entire logical entry, i.e., group of related data which appears as an entity on a schedule or a date item within the logical entry.		
The following entries are provided as an example:		
Type Footnote	Data Field 2 (Footnote No.)	Data Field 3 (Ref. ID)
1. General Footnote		
a.	Entire schedule	GEN
b.	All date values for date field 5 entries on this schedule	005
c.	All date values for date field 6 entries on this schedule	006
2. Specific Footnote		
e.	Entire logical entry	GEN
f.	Date item entry	00A
g.	Date item entry	00B
III. DETAILED INSTRUCTIONS		
The following date field-by-date field instructions are cross-referenced to the corresponding schedule layout by date field number.		

FPC Form 131 (5-76)

<p><b>RIS</b></p>	<p>FEDERAL POWER COMMISSION REGULATORY INFORMATION SYSTEM</p>	
<p>DETAILED INSTRUCTIONS: SCHEDULE 1000</p>	<p>SUPPORTING DOCUMENTATION</p>	<p>1 of 1</p>

I. DESCRIPTION

This schedule is used to collect schedule related supporting documentation not required by the Public Use Schedules.

II. GENERAL INFORMATION

A. This schedule shall be submitted by any Federal Power Commission respondent who desires to provide supportive documentation or any additional information relating to the Public Use Schedules.

B. This schedule shall be completed only as deemed necessary by the respondent or where specifically requested by detailed instructions for other schedules.

FPC Form 151  
(3-76)

FEDERAL POWER COMMISSION / REGULATORY INFORMATION SYSTEM  
REGISTER OF DATA STANDARDS

DATA ITEM LIST MNEMONIC: DATA ITEMS  
 DATA ITEM LIST TITLE: ICRATE  
 DATA ITEM LIST DESCRIPTION: IDENTIFIES FPC RATE SCHEDULES IN ONE OF THREE SERIES: ELECTRIC POWER III CHART, GAS PIPELINE III CHART, NATURAL GAS PRODUCEP (9 CHART).  
 DATA ITEM LIST SOURCE: IFORMATTING RULES TO BE DEVELOPED  
 DATA ITEM LIST CODE: ABBREVIATION

FEDERAL POWER COMMISSION / REGULATORY INFORMATION SYSTEM  
REGISTER OF DATA STANDARDS

DATA ITEM LIST MNEMONIC: IDCNTY  
 DATA ITEM LIST TITLE: ID, COUNTIES OF THE US.  
 DATA ITEM LIST DESCRIPTION: IDENTIFIES THE COUNTIES OF THE US, COUNTIES, AS FIRST ORDER SUBDIVISIONS OF STATES, ARE CONSIDERED SYNCHRONOUS WITH PARISH, BUSH, OR CENSUS DIVISION, BUT IN OTHERS, FOR PIS USE, THIS LIST IS SUPPLEMENTED WITH NATURAL GAS OFFSHORE AREAS.  
 DATA ITEM LIST SOURCE: FIPS PUB 6-2, SEP 15, 1973 AND FPC  
 DATA ITEM LIST CODE: ABBREVIATION

DATA ITEM LIST	CODE	ABBREVIATION
OFFSHORE, FEDERAL	00990	990
OFFSHORE, FEDERAL	00995	995
OFFSHORE, ZONE 1, LOUISIANA	00999	999
OFFSHORE, ZONE 2, LOUISIANA	22991	LA991
OFFSHORE, ZONE 3, LOUISIANA	22992	LA992
OFFSHORE, ZONE 4, LOUISIANA	22993	LA993
OFFSHORE, ZONE 4, LOUISIANA	22994	LA994

FEDERAL POWER COMMISSION / REGULATORY INFORMATION SYSTEM  
REGISTER OF DATA STANDARDS

DATA ITEMS

DATA ITEM LIST MNEMONIC: IOSYST  
 DATA ITEM LIST TITLE: ID, ELECTRIC POWER SYSTEMS  
 DATA ITEM LIST DESCRIPTION: IDENTIFIES ELECTRIC POWER SYSTEMS REPORTED TO THE FPC.  
 DATA ITEM LIST SOURCE: FPC STAFF  
 DATA ITEM LIST CODE: ABBREVIATION  
 IT TO BE FURNISHED BY BUREAU OF (POWER)

PAGE: IOSYST-1

FEDERAL REGISTER, VOL. 41, NO. 172—THURSDAY, SEPTEMBER 2, 1976

FEDERAL POWER COMMISSION / REGULATORY INFORMATION SYSTEM  
REGISTER OF DATA STANDARDS

DATA ITEMS

DATA ITEM LIST MNEMONIC: IRSTA  
 DATA ITEM LIST TITLE: ID, STATES OF THE UNITED STATES  
 DATA ITEM LIST DESCRIPTION: IDENTIFIES THE 50 STATES, THE DISTRICT OF COLUMBIA, AND THE OUTLYING AREAS OF THE US, ALL OF WHICH ARE CONSIDERED IN FIRST ORDER SUBDIVISIONS OF THE US.  
 DATA ITEM LIST SOURCE: FIPS PUB 5-1, JUN 15, 1970  
 DATA ITEM LIST CODE: ABBREVIATION

FEDERAL POWER COMMISSION / REGULATORY INFORMATION SYSTEM  
REGISTER OF DATA STANDARDS

DATA ITEMS

DATA ITEM LIST MEMORIC: IDTMZN  
 DATA ITEM LIST TITLE: ID. TIME ZONES OF THE US  
 DATA ITEM LIST DESCRIPTION: IDENTIFIES GEOGRAPHICAL ZONES OF THE US WITHIN WHICH THE SAME STANDARD TIME IS USED. DAYLIGHT TIME WHEN REPRESENTED, IS ADVANCED ONE HOUR FROM STANDARD TIME.

DATA ITEM LIST SOURCE: ANSI X3L8/189 (CRAFT)

DATA ITEM LIST	CODE	ABBREVIATION
ATLANTIC DAYLIGHT TIME	-0300D	ADT
NEWFOUNDLAND STANDARD TIME	-0330S	NST
EASTERN DAYLIGHT TIME	-0400D	EDT
ATLANTIC STANDARD TIME	-0400S	AST
CENTRAL DAYLIGHT TIME	-0500D	CDT
EASTERN STANDARD TIME	-0500S	EST
COUNTAIN DAYLIGHT TIME	-0600D	MDT
COUNTAIN STANDARD TIME	-0600S	CST
PACIFIC DAYLIGHT TIME	-0700D	PDT
PACIFIC STANDARD TIME	-0700S	PST
YUKON DAYLIGHT TIME	-0800D	YDT
PACIFIC STANDARD TIME	-0800S	PST
ALASKA-HAWAII DAYLIGHT TIME	-0900D	HDT
YUKON STANDARD TIME	-0900S	YST
BERING DAYLIGHT TIME	-1000D	HDT
ALASKA-HAWAII STANDARD TIME	-1000S	HST
BERING STANDARD TIME	-1100S	AST

PAGE: IDTMZN-1

FEDERAL POWER COMMISSION / REGULATORY INFORMATION SYSTEM  
REGISTER OF DATA STANDARDS

DATA ITEMS

DATA ITEM LIST MEMORIC: LCCOOR  
 DATA ITEM LIST TITLE: LOCATION, GEOGRAPHICAL COORDINATES  
 DATA ITEM LIST DESCRIPTION: DESIGNATES A POINT ON THE SURFACE OF THE EARTH BY THE ANGLE EAST OR WEST OF GREENWICH AND NORTH OR SOUTH OF THE EQUATOR. THE FORMAT IS DDMMSS.DDDMMSS.W WHERE D=DEGREES, M=MINUTES, AND S=SECONDS OF NORTH LATITUDE AND WEST LONGITUDE.

DATA ITEM LIST SOURCE: ANSI X3L8/196 (CRAFT)

DATA ITEM LIST CODE ABBREVIATION



FEDERAL POWER COMMISSION / REGULATORY INFORMATION SYSTEM  
REGISTER OF DATA STANDARDS

DATA ITEMS

DATA ITEM LIST MNEMONIC: TYDMIN  
DATA ITEM LIST TITLE: TYPE OF DEMAND INTERVAL  
DATA ITEM LIST DESCRIPTION: INDICATES THE PERIOD OF TIME DURING WHICH ELECTRIC ENERGY FLOW IS AVERAGED TO DETERMINE DEMAND.

DATA ITEM LIST SOURCE: PPC STAFF  
CODE  
00 INST  
15 15MN  
30 30MN  
60 60MN  
ABBREVIATION

PAGE: TYDMIN-1

FEDERAL POWER COMMISSION / REGULATORY INFORMATION SYSTEM  
REGISTER OF DATA STANDARDS

DATA ITEMS

DATA ITEM LIST MNEMONIC: TMMOYR  
DATA ITEM LIST TITLE: TIME, MONTH OF YEAR  
DATA ITEM LIST DESCRIPTION: IDENTIFIES THE MONTHS OF YEAR ACCORDING TO THE CIVIL (GREGORIAN) CALENDAR. FOR HIS USE, A "UNSPECIFIED" MONTH ENTRY HAS BEEN ADDED.

DATA ITEM LIST SOURCE: FIPS PUB #, NOV 1, 1968  
CODE  
01 UNS  
02 JAN  
03 FEB  
04 MAR  
05 APR  
06 MAY  
07 JUN  
08 JUL  
09 AUG  
10 SEP  
11 OCT  
12 NOV  
13 DEC  
ABBREVIATION

PAGE: TMMOYR-1

FEDERAL POWER COMMISSION / REGULATORY INFORMATION SYSTEM.

REGISTER OF DATA STANDARDS

DATA ITEMS

DATA ITEM LIST MNEMONIC: TYPWCL  
 DATA ITEM LIST TITLE: TYPE OF POWER CLASSIFICATION  
 DATA ITEM LIST DESCRIPTION: INDICATES THE TYPE OF ELECTRIC POWER FURNISHED BY CIRCUMSTANCES UNDER WHICH DELIVERED.

DATA ITEM LIST SOURCE: FPC STAFF

DATA ITEM LIST	CODE	ABBREVIATION
FIRM POWER SUPPLYING TOTAL SYSTEM REQUIREMENTS OF CUSTOMER OR TOTAL REQUIREMENTS AT A SPECIFIC POINT OF DELIVERY	1	FP
FIRM POWER SUPPLYING TOTAL SYSTEM REQUIREMENTS OF CUSTOMER OR TOTAL REQUIREMENTS WITH CREDIT ALLOWED CUSTOMER FOR AVAILABLE STANDARDS	2	FPC
FIRM POWER SUPPLEMENTING CUSTOMERS OWN GENERATION OR OTHER PURCHASES	3	FPP
DUMP POWER	4	DP
OTHER	9	OTH

PROPOSED RULES

37281

SAMPLE

INDEX OF PFC PUBLIC USE SCHEDULES SUBMITTED

PAGE 0000 OF 0000

RESPONDENT CODE	RESPONDENT NAME	DATE RECEIVED	FOR PFC USE ONLY
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PFC SCHEDULE REVISED

SAMPLE

ANNUAL SYSTEM ENERGY ACCOUNTING AND PEAK LOAD (SMALL SYSTEMS)

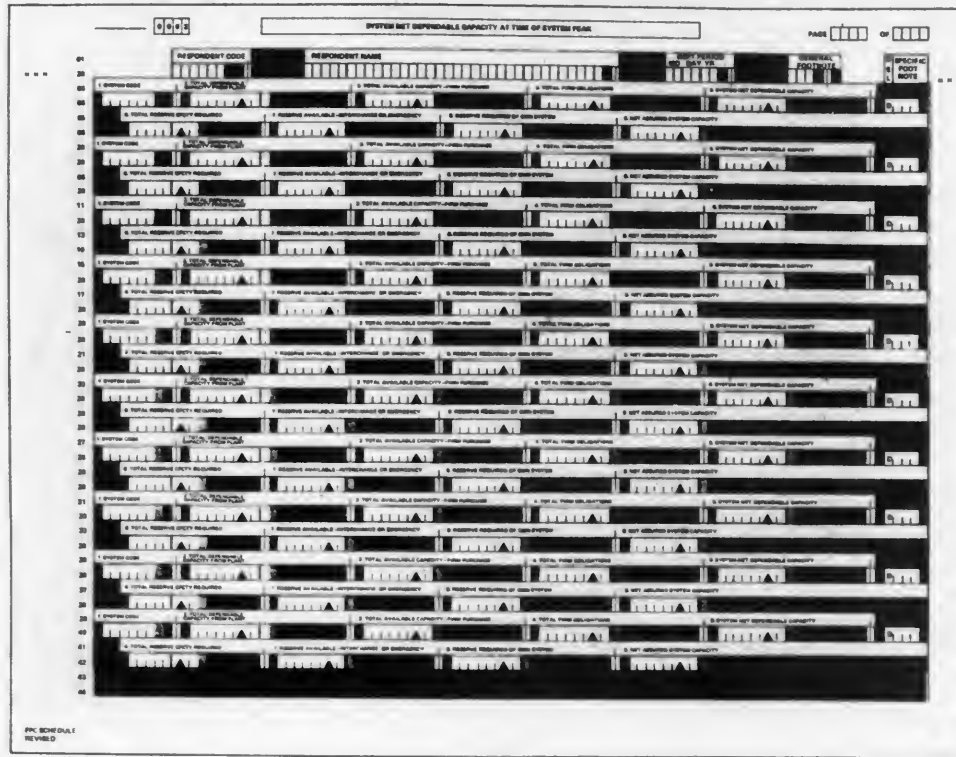
PAGE 0000 OF 0000

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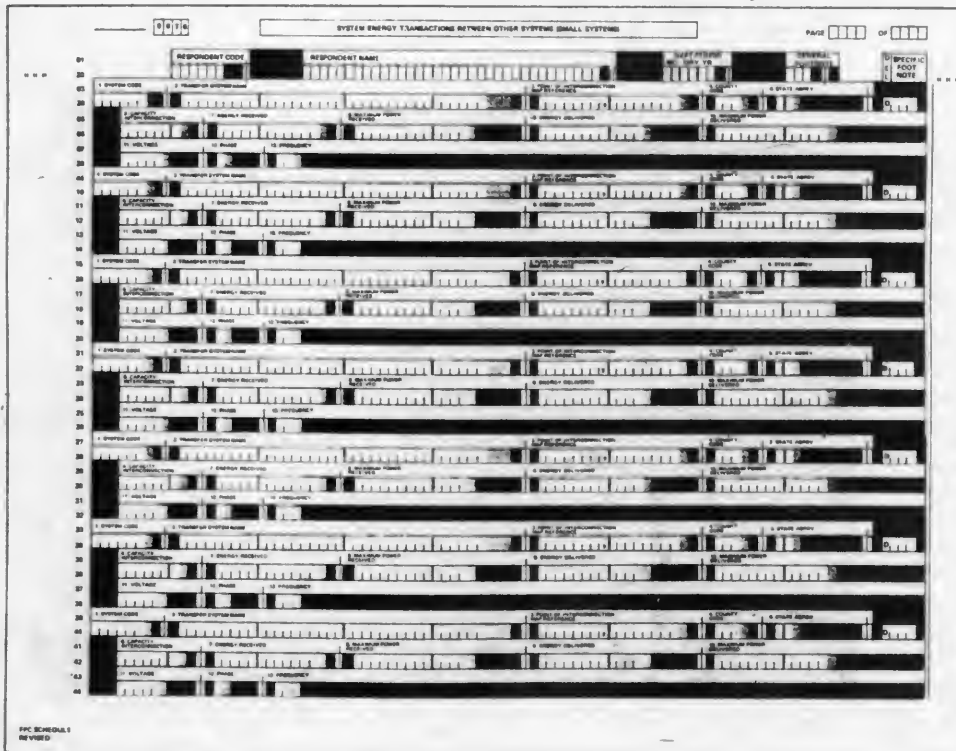
PFC SCHEDULE REVISED

PROPOSED RULES

SAMPLE



SAMPLE



PROPOSED RULES

37283

SAMPLE

SYSTEM NET GENERATION, ENERGY TRANSFERS AND PEAK LOAD BY MONTH (SMALL SYSTEMS)

Page 0000 of 0000

RESPONDENT CODE	RESPONDENT NAME	NET PEAK LOAD BY MONTH							GENERAL COMMENTS	SPECIFIC FOOT NOTE
		1. SYSTEM CODE	2. MONTH	3. NET GENERATION	4. PEAK DEMAND	5. ENERGY TRANSFER	6. ENERGY DELIVERED	7. NET ENERGY		
01										
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PPC SCHEDULE REVISED

SAMPLE

SYSTEM LOAD DATA FOR SPECIFIED WEEKS-AM

Page 0000 of 0000

RESPONDENT CODE	RESPONDENT NAME	NET PEAK LOAD BY WEEK										GENERAL COMMENTS	SPECIFIC FOOT NOTE	
		1. SYSTEM CODE	2. WEEK	3. MON	4. TUE	5. WED	6. THU	7. FRI	8. SAT	9. SUN	10. AVERAGE			
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PPC SCHEDULE REVISED

PROPOSED RULES

SAMPLE

SYSTEM LOAD DATA FOR SPECIFIED WEEKS-40

PAGE  OF

RESPONDENT CODE	RESPONDENT NAME	SYSTEM LOAD DATA FOR SPECIFIED WEEKS-40							GENERAL FOOTNOTE	SPECIFIC FOOTNOTE
		1. POWER DEMAND	2. TYPE OF CHANGE	3. NAME OF OTHER SYSTEM	4. START DATE	5. COMPLETE DATE	6. OPERATIONAL STATUS	7. COMMENTS		
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PPC SCHEDULE REVISED

SAMPLE

SYSTEM FUTURE CHANGES IN FIRM POWER TRANSFERS

PAGE  OF

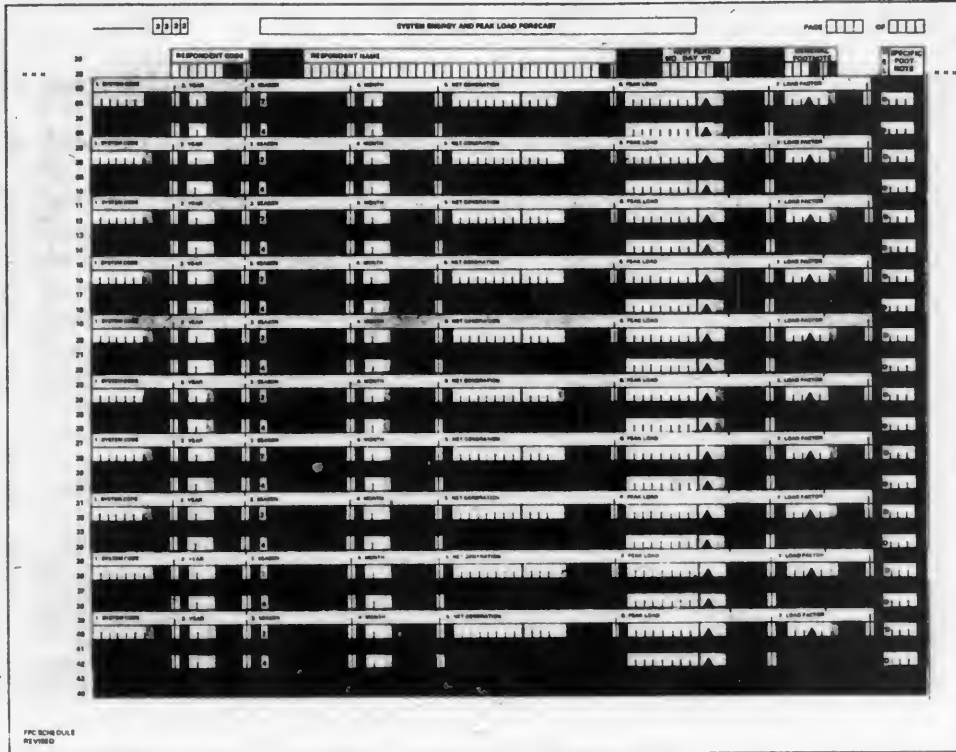
RESPONDENT CODE	RESPONDENT NAME	SYSTEM FUTURE CHANGES IN FIRM POWER TRANSFERS							GENERAL FOOTNOTE	SPECIFIC FOOTNOTE
		1. POWER DEMAND	2. TYPE OF CHANGE	3. NAME OF OTHER SYSTEM	4. START DATE	5. COMPLETE DATE	6. OPERATIONAL STATUS	7. COMMENTS		
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PPC SCHEDULE REVISED

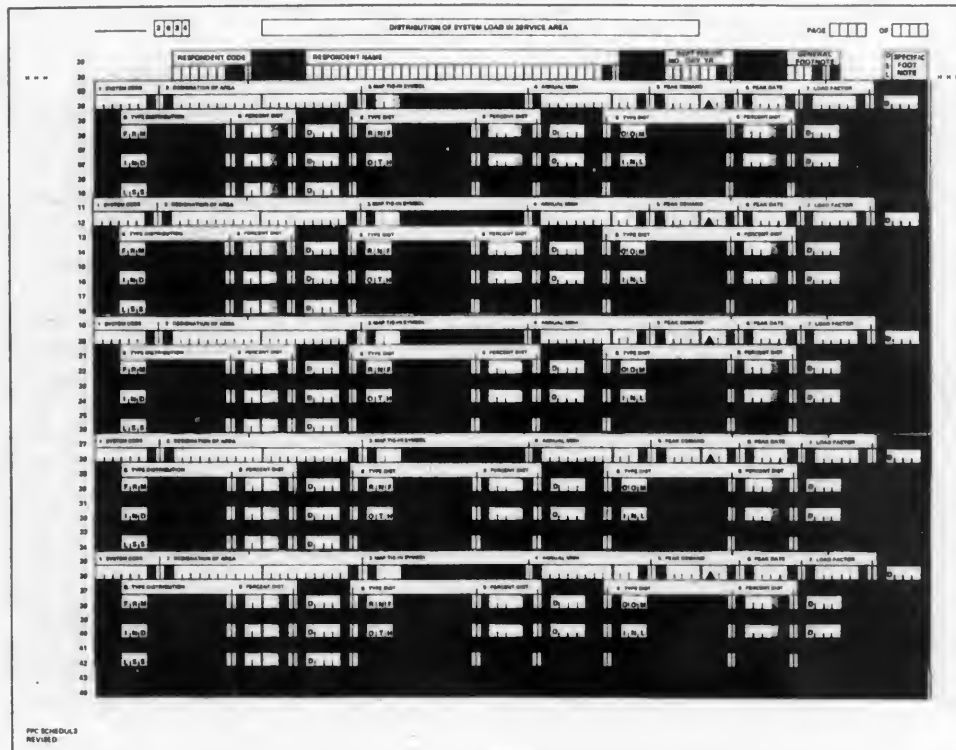
PROPOSED RULES

37285

SAMPLE



SAMPLE



PROPOSED RULES

SAMPLE

SYSTEM RENEGOTIATION

PAGE  OF

RESPONDENT CODE	RESPONDENT NAME	REPORT PERIOD	REPORT DATE	REPORT TYPE	REPORT VALUE	SPECIFIC FOOT NOTE
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PPC SCHEDULE REVISED

SAMPLE

SYSTEM PURCHASE OR SALES FOR RESALE

PAGE  OF

RESPONDENT CODE	RESPONDENT NAME	REPORT PERIOD	REPORT DATE	REPORT TYPE	REPORT VALUE	SPECIFIC FOOT NOTE
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PPC SCHEDULE REVISED





PROPOSED RULES

SAMPLE

SYSTEM SCHEDULE RECEIPTS AND DELIVERIES

PAGE 0001 OF 0001

RESPONDENT CODE	RESPONDENT NAME	REPORT PERIOD	REPORT DATE	SPECIFIC FOOT NOTE
1	1.1	1.2	1.3	1.4
2	2.1	2.2	2.3	2.4
3	3.1	3.2	3.3	3.4
4	4.1	4.2	4.3	4.4
5	5.1	5.2	5.3	5.4
6	6.1	6.2	6.3	6.4
7	7.1	7.2	7.3	7.4
8	8.1	8.2	8.3	8.4
9	9.1	9.2	9.3	9.4
10	10.1	10.2	10.3	10.4
11	11.1	11.2	11.3	11.4
12	12.1	12.2	12.3	12.4
13	13.1	13.2	13.3	13.4
14	14.1	14.2	14.3	14.4
15	15.1	15.2	15.3	15.4
16	16.1	16.2	16.3	16.4
17	17.1	17.2	17.3	17.4
18	18.1	18.2	18.3	18.4
19	19.1	19.2	19.3	19.4
20	20.1	20.2	20.3	20.4
21	21.1	21.2	21.3	21.4
22	22.1	22.2	22.3	22.4
23	23.1	23.2	23.3	23.4
24	24.1	24.2	24.3	24.4
25	25.1	25.2	25.3	25.4
26	26.1	26.2	26.3	26.4
27	27.1	27.2	27.3	27.4
28	28.1	28.2	28.3	28.4
29	29.1	29.2	29.3	29.4
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32	32.1	32.2	32.3	32.4
33	33.1	33.2	33.3	33.4
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35	35.1	35.2	35.3	35.4
36	36.1	36.2	36.3	36.4
37	37.1	37.2	37.3	37.4
38	38.1	38.2	38.3	38.4
39	39.1	39.2	39.3	39.4
40	40.1	40.2	40.3	40.4
41	41.1	41.2	41.3	41.4
42	42.1	42.2	42.3	42.4
43	43.1	43.2	43.3	43.4
44	44.1	44.2	44.3	44.4
45	45.1	45.2	45.3	45.4
46	46.1	46.2	46.3	46.4
47	47.1	47.2	47.3	47.4
48	48.1	48.2	48.3	48.4
49	49.1	49.2	49.3	49.4
50	50.1	50.2	50.3	50.4

IFC SCHEDULE REVISED

SAMPLE

SYSTEM ULTRATE COMBINDER DELIVERIES AND LOSSES

PAGE 0001 OF 0001

RESPONDENT CODE	RESPONDENT NAME	REPORT PERIOD	REPORT DATE	SPECIFIC FOOT NOTE
1	1.1	1.2	1.3	1.4
2	2.1	2.2	2.3	2.4
3	3.1	3.2	3.3	3.4
4	4.1	4.2	4.3	4.4
5	5.1	5.2	5.3	5.4
6	6.1	6.2	6.3	6.4
7	7.1	7.2	7.3	7.4
8	8.1	8.2	8.3	8.4
9	9.1	9.2	9.3	9.4
10	10.1	10.2	10.3	10.4
11	11.1	11.2	11.3	11.4
12	12.1	12.2	12.3	12.4
13	13.1	13.2	13.3	13.4
14	14.1	14.2	14.3	14.4
15	15.1	15.2	15.3	15.4
16	16.1	16.2	16.3	16.4
17	17.1	17.2	17.3	17.4
18	18.1	18.2	18.3	18.4
19	19.1	19.2	19.3	19.4
20	20.1	20.2	20.3	20.4
21	21.1	21.2	21.3	21.4
22	22.1	22.2	22.3	22.4
23	23.1	23.2	23.3	23.4
24	24.1	24.2	24.3	24.4
25	25.1	25.2	25.3	25.4
26	26.1	26.2	26.3	26.4
27	27.1	27.2	27.3	27.4
28	28.1	28.2	28.3	28.4
29	29.1	29.2	29.3	29.4
30	30.1	30.2	30.3	30.4
31	31.1	31.2	31.3	31.4
32	32.1	32.2	32.3	32.4
33	33.1	33.2	33.3	33.4
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35	35.1	35.2	35.3	35.4
36	36.1	36.2	36.3	36.4
37	37.1	37.2	37.3	37.4
38	38.1	38.2	38.3	38.4
39	39.1	39.2	39.3	39.4
40	40.1	40.2	40.3	40.4
41	41.1	41.2	41.3	41.4
42	42.1	42.2	42.3	42.4
43	43.1	43.2	43.3	43.4
44	44.1	44.2	44.3	44.4
45	45.1	45.2	45.3	45.4
46	46.1	46.2	46.3	46.4
47	47.1	47.2	47.3	47.4
48	48.1	48.2	48.3	48.4
49	49.1	49.2	49.3	49.4
50	50.1	50.2	50.3	50.4

IFC SCHEDULE REVISED

PROPOSED RULES

37289

SAMPLE

SYSTEM NET OPERATION, ENERGY TRANSPORTED AND ASSOCIATED PEAK DEMAND BY MONTH

PAGE 0001 OF 0001

RESPONDENT CODE	RESPONDENT NAME	REPORT PERIOD NO. DAY YR	REPORTING FOOTNOT	SPECIFIC FOOTNOT
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

PPC SCHEDULE REVISED

SAMPLE

MAP OF DISTRIBUTION OF SYSTEM LOAD IN SERVICE AREA

PAGE 0001 OF 0001

RESPONDENT CODE	RESPONDENT NAME	REPORT PERIOD NO. DAY YR	SCHED REF	PAGE REF
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

PPC SCHEDULE REVISED

PROPOSED RULES

SAMPLE

FOOTNOTES TO FPC PUBLIC USE SCHEDULES

PAGE  OF

RESPONDENT CYCLE	RESPONDENT NAME	REPORT PERIOD MO. DAY '76	SCHEDULE FOOTNOTE	SPECIFIC FOOT NOTE
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FPC SCHEDULE REVISED

SAMPLE

SUPPORTING DOCUMENTATION

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HERE UTILIZE THE SPACE BELOW FOR NARRATIVE EXPLANATIONS, CHARTS, GRAPHIC MAPS, DIAGRAMS, OR OTHER DOCUMENTATION SUPPORTIVE OF THE SCHEDULE REFERENCED ABOVE. ATTACH THESE PAGES OR OUTSIDE DOCUMENTS TO THE APPROPRIATE SCHEDULES.

FPC SCHEDULE REVISED

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