

U.S. Department of Energy Office of Electricity Delivery and Energy Reliability Form OE-781R (2009)	MONTHLY ELECTRICITY IMPORTS AND EXPORTS REPORT	Form Approved OMB No. xxxx-xxxx Approval Expires 12/31/xxxx
--	---	--

PURPOSE
Form OE-781R collects international electric export/import data required pursuant to 10 CFR sections 205.300 *et seq.* and 205.30 *et seq.* Under those regulations, holders of Export Authorizations (authorizations to export electric energy from the United States to foreign countries) and Presidential Permits (permits for the construction and operation of electric power transmission lines that cross the U.S. international border) are required to report monthly the flows of electric energy received or delivered, the cost and revenues associated with those transactions, related ancillary services, the characteristics of transmission operations, and the current and proposed capacities of cross-border lines. The data collected on this form may appear in the following EIA and OE publications: *Electric Power Annual*, *Annual Energy Review*, *Annual Energy Outlook*, *Electric Power Monthly*, and *Transactions Across International Borders (OE)*.

REQUIRED RESPONDENTS
Holders of Export Authorizations and Presidential Permits issued pursuant to 10 CFR section 205.300 and 10 CFR section 205.320 must file the Form OE-781R monthly. Other respondents are entities engaged in international commerce, classified under the following NERC functional categories: Transmission System Operator (TSO), Purchasing and Selling Entity (PPE), and Transmission Owners (TO).

RESPONSE DUE DATE
Submit the completed Form OE-781R for each month to the EIA no later than the 15th of the following month. For example, if reporting data is for June, the survey is due on July 15.

METHODS OF FILING RESPONSE
The method for filing the Form OE-781R is via EIA's Internet Data Collection (IDC) system. That system is secure, has built-in edits to catch errors before the form is submitted to EIA, saves time and effort, and reduces the likelihood of a callback from EIA. If you are not already validated in the system, log on to <http://www.eia.doe.gov/electricity/edc> for instructions. If your firm's activities encompass multiple NERC functional categories (TSO, PPE, and TO), each group will require a unique validation code to help maintain the separation of scheduling and marketing information within the firm.

There are other filing options if access to the Internet is not available:

- Email the form to: EIA-781R@eia.doe.gov
- Fax the form to: (202) 586-8008
- Mail the form to: U.S. Department of Energy, Energy Information Administration, Mail Stop: BG-076 (Form OE-781R), 1000 Independence Avenue, SW, Washington, DC 20586-0690

Note that commonly used facsimile and email transmissions (including files attached to email messages) travel over ordinary telephone lines and are not considered secure electronic methods of transmitting survey data. Please retain a copy of your submission for your files.

CONTACTS
For questions regarding the Form OE-781R or additional information contact:

Processing: John Makens	Responsible Office: Steve Mintz
Telephone Number: 202-586-4059	Telephone Number: (202) 586-9506
FAX Number: (202) 287-1946	Email: steven.mintz@hq.doe.gov
Email: john.makens@eia.doe.gov	

U.S. Department of Energy Office of Electricity Delivery and Energy Reliability Form OE-781R (2009)	<i>MONTHLY ELECTRICITY IMPORTS AND EXPORTS REPORT</i>	Form Approved OMB No. xxxx-xxxx Approval Expires 12/31/xxxx
--	--	--

GENERAL INSTRUCTIONS

1. Verify all preprinted information, including company names; respondent name, and address; and contact name(s), telephone number(s), FAX number(s), title(s), and email address(es). If incorrect, revise the incorrect entry and provide the correct information. State codes are two-character U.S. Postal Service abbreviations. Provide any missing information.
2. The electronic filing system will contain instructions and special drop-down menus to facilitate data inputs.

ITEM-BY-ITEM INSTRUCTIONS

SCHEDULE 1. IDENTIFICATION INFORMATION (All Respondents)

Specify the proper **Functional Area Category** by marking the applicable checkbox.

<input type="checkbox"/> <u>Transmission System Operators</u> Transmission Systems Operators route the electric power to distribution systems.
<input type="checkbox"/> <u>Purchasing & Selling Entities</u> Purchasing & Selling Entities may be affiliated or unaffiliated merchants and may or may not own generating facilities.
<input type="checkbox"/> <u>Transmission Owners</u> Transmission owners own and maintain transmission facilities.

NOTE TO REVIEWER: Depending on the category that the filer marks (e.g., **Transmission System Operators** or **Purchasing & Selling Entities** or **Transmission Owners**), specific survey schedules and customized drop-down menus, pertaining strictly to that chosen category, will be presented to the filer throughout the electronic filing.

1. **Survey Contact:** Verify contact name, title, address, telephone number, and email address.
2. **Supervisor Contact:** Verify the contact's supervisor's name, title, address, telephone number, and email address.
3. **Company Name:** Verify the name and address of the parent company or agency filing the survey.
4. **Presidential Permits:** For Transmission Owners, report your assigned **Presidential Permit number(s)** individually in the areas provided (e.g., PP73). (For ease of preparation, this information will autofill from last submission.)
5. **Export Authorizations:** For Purchasing and Selling Entities, if applicable, report your **Export Authorization number(s)** individually in the areas provided, along with the corresponding reporting period (month and year date). Export Authorizations are required for export activities. (For ease of preparation, this information will autofill from last submission.)
6. **FERC EQR Filer Identification:** For Purchasing and Selling Entities, if applicable, report the Filer Identification Number assigned by the FERC for filing the Electric Quarterly Report (EQR). All entities holding a valid FERC tariff that authorizes the wholesale sale of imported electricity must file the EQR. (For ease of preparation, this information will autofill from last submission.)

NOTE: The filer will be allowed separate access to sections of the form to be completed for each NERC functional categories (Purchaser/Seller, Transmission System Operator, and Transmission Owner). Companies that operate under multiple categories—e.g. both Purchaser/Seller and Transmission System Operator—would have to register each activity as a separate filer using a different password.

U.S. Department of Energy Office of Electricity Delivery and Energy Reliability Form OE-781R (2009)	MONTHLY ELECTRICITY IMPORTS AND EXPORTS REPORT	Form Approved OMB No. xxxx-xxxx Approval Expires 12/31/xxxx
--	---	--

SCHEDULE 2A. IMPORTS—CONTRACTS AND FINANCE (Purchasing and Selling Entities)

NOTE TO REVIEWER: The survey form furnishes a drop-down menu of TSINs associated with each Purchasing and Selling Entity.

- For Line 1, provide the scheduled level of imports and the associated payments for **Cost-of-Service Transactions –AND– Market Rate Transactions –AND– Exchanges**, indicating the delivery terms of the contract for each Transmission Services Information Network (TSIN) interface where those imports cross to the United States. The contract delivery terms are grouped as: hourly sales, sales for the next year, sales for one or more years, and total sales. If specific delivery terms are not available, provide the total alone. A TSIN Interface refers to an interface between adjacent TSIN transmission systems on the U.S. and the Canadian or Mexican sides of the border. Within each U.S. TSIN, information on transmission and ancillary services is available on a non-discriminatory basis to meet the regulatory requirements of transmission open access.

The following instructions and definitions apply:

Cost-of-Service Transactions. For each TSIN interface and terms of delivery group, if available, supply the name and level of scheduled imports across that interface during the reporting period. Specify information on payments made for bundled and unbundled transactions, if available, and the total dollar amount. Cost-of-service prices come from rate schedules that are set according to government regulation to allow the regulated entity to recover its costs of capital and operation. “Ancillary services” are those specific services defined as such by the FERC. “Bundled” refers to prices that cover energy, transmission, and ancillary services together. See Section 2C for a list of ancillary services.

Market Rate Transactions. For each TSIN interface and terms of delivery group, if available, supply the level of power for the scheduled imports during the reporting period. Supply the total payment information for electricity “Contracted,” “Booked-out,” and “Delivered.” Market rate prices are determined in an open market system of supply and demand and may recover less or more than full costs. “Contracted” is the full value of all imports for the month in which the power was to flow. “Booked-out” is the value of sales back to the foreign entity. “Delivered” is the value of net imports for the month—that is, the difference between contracted and booked-out.

Exchange Transactions. For each TSIN interface and terms of delivery group, if available, supply the level of power and total dollar amount for the gross receipt of exchange imports during the reporting period. In an exchange agreement, the U.S. entity accepts delivery of imports and later repays the foreign supplier in kind, at times and rates and in amounts as mutually agreed.

- For Line 2, **Total Imports**, enter the total volumes and costs derived from the interface information requested in Line 1, if greater than the sum of the individual levels provided.
- For Lines 3 through 7, refer to the Glossary for clarification of each source of power generation. “System” refers to power acquired from the transmission system for which the fuel source is unknown. “Renewable” excludes hydropower. Lines 3 through 7 have to do with **scheduled imports** and **scheduled receipts of commercial** transactions, i.e., not those that fall under the terms of a treaty.

NOTE: Skip the fields that are grayed-out, as they are not applicable for the line item.

U.S. Department of Energy Office of Electricity Delivery and Energy Reliability Form OE-781R (2009)	MONTHLY ELECTRICITY IMPORTS AND EXPORTS REPORT	Form Approved OMB No. xxxx-xxxx Approval Expires 12/31/xxxx
--	---	--

4. Lines 8 through 14 address the disposition of electricity generated in Canada or Mexico that flows to the United States under the terms of U.S. treaties and other international agreements with Canada or Mexico governing the shared use of the water resources of major international river basins. Such flows may be non-financial, where the United States receives electricity in exchange for additional water access or other considerations, or financial, where a cash payment is made in lieu of such other considerations.
5. For Lines 8 through 12, **Non-Financial**, provide information for the scheduled level of power flow taking place under the terms of U.S. treaties that apply to the indicated river systems. Lines 8 through 12 have to do with non-financial exchanges, where no dollars are exchanged. For Lines 8 through 12, only the level of power is required.
NOTE: Skip the fields that are grayed-out, as they are not applicable for the line item.
6. For Lines 13 and 14, **Financial**, provide information for the scheduled level of power flow taking place under the terms of U.S. treaties and the associated total cost incurred. Lines 13 and 14 have to do with financial transactions, where dollars are exchanged between entities.
NOTE: Skip the fields that are grayed-out, as they are not applicable for the line item.

SCHEDULE 2B. EXPORTS—CONTRACTS AND FINANCE (Purchasing and Selling Entities)

NOTE TO REVIEWER: The survey form furnishes a drop-down menu of TSINs for each Purchasing Selling Entity.

1. For Line 1, provide the scheduled level of exports and the associated cash receipts for **Cost-of-Service Transactions –AND– Market Rate Transactions –AND– Exchanges**, indicating the delivery terms of the contract for each Transmission Services Information Network (TSIN) interface where those exports cross out of the United States. The contract delivery terms are grouped as: hourly sales, sales for the next year, sales for one or more years, and total sales. If specific delivery terms are not available, provide the total alone. See Line 1 instructions for Schedule 2A for TSIN definition and terms of delivery.

The following instructions and definitions apply:

Cost-of-Service Transactions. For each TSIN interface and terms of delivery group, if available, supply the name and level of scheduled exports across that interface during the reporting period. Specify information on revenues from bundled and unbundled transactions, if available, and the total dollar amount received. Cost-of-service prices come from rate schedules that are set according to government regulation to allow the regulated entity to recover its costs of capital and operation. “Ancillary services” are those specific services defined as such by the FERC. “Bundled” refers to prices that cover energy, transmission, and ancillary services together. See Section 2C for a list of ancillary services.

Market Rate Transactions. For each TSIN interface and terms of delivery group, if available, supply the level of power for the scheduled exports during the reporting period. Supply the total revenues information for electricity “Contracted,” “Booked-out,” and “Delivered.” Market rate prices are determined in an open market system of supply and demand and may recover less or more than full costs. “Contracted” is the full value of all exports for the month in which the power was to flow. “Booked-out” is the value of purchases back from the foreign entity. “Delivered” is the value of net exports for the month—that is, the difference between contracted and booked-out.

U.S. Department of Energy Office of Electricity Delivery and Energy Reliability Form OE-781R (2009)	MONTHLY ELECTRICITY IMPORTS AND EXPORTS REPORT	Form Approved OMB No. xxxx-xxxx Approval Expires 12/31/xxxx
--	---	--

Exchange Transactions. For each TSIN interface and terms of delivery group, if available, supply the level of power and total dollar amount for the gross shipments of exchange exports during the reporting period. In an exchange agreement, the U.S. entity makes delivery of exports and later compensation from the foreign supplier in kind, at times and rates and in amounts as mutually agreed.

2. For Line 2, **Total Exports**, enter the total volumes and revenues derived from the interface information requested in Line 1, if greater than the sum of the individual levels provided.
3. For Lines 3 through 7, refer to the Glossary of each source of power generation. "System" refers to exported power acquired from the transmission system for which the fuel source is unknown. "Renewable" excludes hydropower. Lines 3 through 7 have to do with **scheduled exports** and **scheduled receipts** of **commercial** transactions, i.e., not those that fall under the terms of a treaty.
NOTE: Skip the fields that are grayed-out, as they are not applicable for the line item.
4. Lines 8 through 14 address the disposition of electricity generated in the United States that flows to Canada or Mexico under the terms of U.S. treaties and other international agreements with Canada or Mexico governing the shared use of the water resources of major international river basins. Such flows may be non-financial, where the United States delivers electricity in exchange for additional water access or other considerations, or financial, where a cash payment is taken in lieu of such other considerations.
5. For Lines 8 through 12, **Non-Financial**, provide information for the level of power flowing under the terms of U.S. treaties that apply to the indicated river systems. Lines 8 through 12 have to do with non-financial exchanges, where no dollars are exchanged. For Lines 8 through 12, only the level of power is required.
NOTE: Skip the fields that are grayed-out, as they are not applicable for the line item.
6. For Lines 13 and 14, **Financial**, provide information for the level of power under the terms of U.S. treaties and the associated total payment received. Lines 13 and 14 have to do with financial transactions, where dollars are exchanged between entities.
NOTE: Skip the fields that are grayed-out, as they are not applicable for the line item.

SCHEDULE 2C. MONTHLY ANCILLARY SERVICES PROVIDED, VALUE OF SERVICES, AND OTHER KEY SYSTEM SUPPORT (Purchasing and Selling Entities)

NOTE TO REVIEWER: The survey form furnishes a drop-down menu of relevant TSIN interface for each Purchasing and Selling Entity.

NOTE: Filers need to supply this information for each international TSIN interface that they utilize.

1. For Line 1, **Total Ancillary Services**, indicate for each interface whether the sources of ancillary services in whole or part for the month are **Power Suppliers**, **3rd Parties**, or **both**. Make this indication by entering either a **Y** (for Yes), **N** (for No), or **U** (for Unknown).

In addition, furnish the **total cost** of those services in the **US Dollars** column.

Do this step for both the **Imported Services** and the **Exported Services**.

U.S. Department of Energy Office of Electricity Delivery and Energy Reliability Form OE-781R (2009)	MONTHLY ELECTRICITY IMPORTS AND EXPORTS REPORT	Form Approved OMB No. xxxx-xxxx Approval Expires 12/31/xxxx
--	---	--

“Ancillary services” are services that ensure reliability and support the transmission of electricity. Specific services to be included here are those reported for the FERC Electricity Quarterly Report (EQR). Filers should refer to the EQR data dictionary, listed in the Glossary, for definitions of individual services and other key system support services.

- For Line 2, **Real Power Transmission Losses**, indicate for each interface whether replacement power for the real power transmission loss was provided in whole or part for the month by **Power Suppliers**, **3rd Parties**, or **both**. Make this indication by entering either a **Y** (for Yes), **N** (for No), or **U** (for Unknown).

In addition, furnish the **total cost** in the **U.S. Dollars** column.

Do this step for both the **Imported Services** and the **Exported Services**.

- For Lines 3 through 11, for the columns labeled **Imported Services – U.S. Side** and **Exported Service** label, there is a field that says, “**Check if No Change Required.**” Place a checkmark inside the brackets [✓] if there has been no change since the last survey submission.
- For Lines 3 through 11, review each column heading, and place a checkmark in each field to indicate whether each service was provided in whole or part for the month by **Power Suppliers** or **3rd Parties**, and whether the costs of that service were bundled with power costs or transportation costs. Provide that same information for both imports (if provided on the U.S. side of the border) and exports. If not applicable, leave the field blank.

SCHEDULE 3. OPERATION FLOWS, IMPORTS AND EXPORTS (Transmission System Operators)

NOTE TO REVIEWER: The survey form furnishes a drop-down menu of TSINs and source-sink combos for all Transmission System Operators (TSOs).

NOTE: Filers need to supply this information for each TSIN interface in their system.

- For Line 1, **Total Power Flow for Month**, provide the information for total scheduled **imports** falling under **Firm** transmission contract terms, **Non-firm** transmission contract terms, and the **total**. “Firm” power is intended to meet the demand requirements of a utility’s customers; there are no planned interruptions of service under that type of delivery agreement. “Non-Firm” power is subject to curtailment or cessation by the supplier in accordance with prior agreement.

In addition, provide the information for total scheduled **exports** falling under **Firm** transmission contract terms, **Non-firm** transmission contract terms, and the **total**.

Next, provide the **Actual** level of power that was transmitted across the interface –AND– the **Inadvertent** level of power that was transmitted. “Actual” power is the metered flow. “Inadvertent” is the difference between scheduled and actual transmissions.

- For Line 2, **Foreign Source and U.S. Destination Combinations**, for each interface, provide the scheduled imports falling under the **Firm** transmission contract term, **Non-firm** transmission contract term, and the **total**. Provide this for each foreign source and U.S. destination combination. (A drop-down menu is supplied for ease of entry.)

3. For Line 3, **U.S. Source and Foreign Destination Combinations**, for each interface, provide the scheduled exports falling under the **Firm** contract term, **Non-firm** contract term, and the **total**. Provide this for each U.S source and foreign destination combination. (A drop-down menu is supplied for ease of entry.)
4. For Lines 4 and 5, “System” refers to power acquired from a foreign transmission system or merchant for which the fuel source is unknown. “Non System” refers to all other power flows. Lines 4 and 5 have to do with **scheduled imports under commercial transactions**—i.e., not those that fall under the terms of a treaty.
5. Line 6 refers to imports taking place under the terms of U.S. treaties.
NOTE: Skip the fields that are grayed-out, as they are not applicable to the line item.
6. For Lines 7 and 8, “System” refers to power acquired from a U.S. transmission system or merchant for which the fuel source is unknown. “Non System” refers to all other power flows. “Non System” refers to all other power flows. Lines 7 and 8 have to do with **scheduled exports under commercial transactions**—i.e., not those that fall under the terms of a treaty.
7. Line 9 refers to exports taking place under the terms of U.S. treaties.
NOTE: Skip the fields that are grayed-out, as they are not applicable to the line item.

**SCHEDULE 4A. CURRENT TRANSMISSION FACILITIES CROSSING BORDERS
(Transmission Owners)**

Transmission Line Identification

NOTE TO REVIEWER: The survey form furnishes a drop-down menu of cross-border transmission lines for each TSO. For each line, set information on TSIN identification, terminal locations, owners and EIA utility IDs also will drop-down.

NOTE: Filers need to provide this information for each transmission line crossing the border. A column, referred to here as lines **a, b, c**, etc., will be provided for each current line.

Transmission Line (a) Check if no change required.
Transmission Line (b) Check if no change required.
Transmission Line (c) Check if no change required.

1. For Line 1, **TSIN Identification Number**, enter this number. If there is NO change to the transmission line since the last reporting period, click inset the **brackets []** within the column heading. A checkmark will be inserted within the brackets to indicate that no change is required.
2. For Line 2, **Terminal Location (From)**, enter the name of the **beginning terminal point** of the line.
3. For Line 3, **Terminal Location (To)**, enter the name of the **ending terminal point** of the line.

U.S. Department of Energy Office of Electricity Delivery and Energy Reliability Form OE-781R (2009)	MONTHLY ELECTRICITY IMPORTS AND EXPORTS REPORT	Form Approved OMB No. xxxx-xxxx Approval Expires 12/31/xxxx
--	---	--

4. For Line 4, **Utility Name (Owner Name)**, enter the name of the **utility**, including the **owner's name**.
5. For Line 5, **EIA Utility ID of Owner**, enter the **utility ID** of the owner, according to the code assigned by EIA.
6. For Line 6, **Type of Organization**, identify the **type of organization** that best represents the line owner, including the following types of utilities – Investor-owned (I), Municipality (M), Cooperative (C), State-owned (S), Federally-owned (F), or other (O).
7. For Line 7, **Percent Ownership**, enter the **percentages owned** by each individual respondent.
8. For Line 8, **Status of Transmission Facilities**, enter the **applicable status**: OP = Operating, NO = Not Operating, AB = Abandoned.
9. For Line 9, **Line Length**, enter the **number of miles between the beginning and ending terminal** points of the line (regardless of the number of conductors or circuits carried).
10. For Line 10, **Line Type**, select the **physical location of the line conductor** (OH = Overhead, UG = Underground, SM = Submarine).
11. For Line 11, **Voltage Type**, enter the **voltage type** (AC = Alternating Current, DC = Direct Current).
12. For Line 12, **Voltage Operating (Kilovolts)**, enter the **voltage at which the line is normally operated** in kilovolts (kV).
13. For Line 13, **Voltage Design (Kilovolts)**, enter the **voltage at which the line was designed to operate** in kilovolts (kV).
14. For Line 14, **Conductor Size (MCM)**, enter the **size of the line conductor** in thousands of circular mils (MCM).
15. For Line 15, **Conductor Material Type**, enter the **conductor material type** (AL = Aluminum, ACCR = Aluminum Composite Conductor, ACSR = Aluminum Core Steel Reinforced).
16. For Line 16, **Bundling Arrangement**, enter the **bundling arrangement/configuration of the line conductors** (e.g., 1 = Single, 2 = Double, 3 = Triple, 4 = Quadruple, and 5 = Other).
17. For Line 17, **Circuits per Structure Present**, enter the current number of **three-phase circuits on the structures of the line**.
18. For Line 18, **Circuits per Structure Ultimate**, enter the **ultimate number of three-phase circuits** that the structures of the line are designed to accommodate.
19. For Line 19, **Pole/Tower Type**, identify the predominant **pole/tower material** for the line (P = Single Pole, H = H Frame, T = Tower, U = Underground, O = Other).

20. For Line 20, **Capacity Rating (megavoltamperes)**, enter the **normal load-carrying capacity** of the line in millions of volt-amperes (MVA).

**SCHEDULE 4B. PROPOSED TRANSMISSION FACILITIES CROSSING BORDERS
(Transmission Owner)**

Transmission Line Identification

NOTE TO REVIEWER: The survey form furnishes a drop-down menu of names for proposed cross-border transmission lines previously entered for each TSO. If a TSIN identification number has been assigned, set information available for each line also will drop down.

NOTE: Filers need to provide this information for each transmission line crossing the border. A column, referred to here as lines **a**, **b**, **c**, etc., will be provided for each proposed line.

Transmission Line (a) Check if no change required.
Transmission Line (b) Check if no change required.
Transmission Line (c) Check if no change required.

1. For Line 1, **TSIN Identification Number**, enter this number. If there is NO change to the transmission line since the last reporting period, click inset the **brackets []** within the column heading. A checkmark will be inserted within the brackets [] to indicate that no change is required.
2. For Line 2, **Terminal Location (From)**, enter the name of the **beginning terminal point** of the line.
3. For Line 3, **Terminal Location (To)**, enter the name of the **ending terminal point** of the line.
4. For Line 4, **Utility Name**, enter the name of the **utility**.
5. For Line 5, EIA Utility ID, enter the **utility ID**, according to the code assigned by EIA.
6. For Line 6, **Type of Organization**, identify the **type of organization** that best represents the line owner, including the following types of utilities – Investor-owned (I), Municipality (M), Cooperative (C), State-owned (S), Federally-owned (F), or other (O).
7. For Line 7, **Percent Ownership**, enter the **percentages owned** by each individual respondent.
8. For Line 8, **Status of Transmission Projects**, enter the **applicable status** (CN = Cancelled, CL = Conceptual, PJ = Projected, PL = Planned, CO = Under Construction, TS = Testing).
9. For Line 9, **Line Length**, enter the **number of miles between the beginning and ending terminal points** of the line (regardless of the number of conductors or circuits carried.)

U.S. Department of Energy Office of Electricity Delivery and Energy Reliability Form OE-781R (2009)	MONTHLY ELECTRICITY IMPORTS AND EXPORTS REPORT	Form Approved OMB No. xxxx-xxxx Approval Expires 12/31/xxxx
--	---	--

10. For Line 10, **Line Type**, select the **physical location of the line conductor** (OH = Overhead, UG = Underground, SM = Submarine).
11. For Line 11, **Voltage Type**, enter the **voltage type** (AC = Alternating Current, DC = Direct Current).
12. For Line 12, **Voltage Operating (Kilovolts)**, enter the **voltage at which the line is normally operated** in kilovolts (kV).
13. For Line 13, **Voltage Design (Kilovolts)**, enter the **voltage at which the line was designed to operate** in kilovolts (kV).
14. For Line 14, **Conductor Size (MCM)**, enter the **size of the line conductor** in thousands of circular mils (MCM).
15. For Line 15, **Conductor Material Type**, enter the **conductor material type** (AL = Aluminum, ACCR = Aluminum Composite Conductor, ACSR = Aluminum Core Steel Reinforced).
16. For Line 16, **Bundling Arrangement**, enter the **bundling arrangement/configuration of the line conductors** (e.g., 1 = Single, 2 = Double, 3 = Triple, 4 = Quadruple, and 5 = Other).
17. For Line 17, **Circuits per Structure Present**, enter the current number of **three-phase circuits on the structures of the line**.
18. For Line 18, **Circuits per Structure Ultimate**, enter the **ultimate number of three-phase circuits** that the structures of the line are designed to accommodate.
19. For Line 19, **Pole/Tower Type**, identify the predominant **pole/tower material** for the line (P = Single Pole, H = H Frame, T = Tower, U = Underground, O = Other).
20. For Line 20, **Capacity Rating (megavoltamperes)**, enter the **normal load-carrying capacity** of the line in millions of volt-amperes (MVA).
21. For Line 21, **Projected In-Service Date**, enter the projected month and year that the facility will enter service (mm-yyyy).
22. For Line 22, **Upgrade to Existing Line**, indicate whether the project represents an upgrade to an existing facility (check [yes] or [no]).
23. For Line 23, **Right-of-Way Use**, indicate whether a line project will use a new or existing right-of-way (check one: [new] [existing] [unknown]).
24. For Line 24, **New Facilities**, indicate whether a project represents an improvement to the grid, to substation, or other.

SCHEDULE 5. CHARACTERISTICS OF TRANSMISSION OPERATIONS

(All Respondents)

NOTE TO REVIEWER: The survey form furnishes a drop-down of the relevant section(s) of this survey and relevant TSIN interfaces for each entity responding.

NOTE: Sections on Capacity and NERC Reliability Standards are to be filled in by Transmission System Operators only. The Section on DOE Presidential Permits is for Transmission Owners only. The section on DOE Export Authorizations is for Purchasing and Selling Entities only.

1. For Line 1, **Summer Limit**, for each TSIN interface, provide the **Summer Thermal Limits** for both the imports and exports. "Thermal limit" is the maximum load in megawatts (MW) that a transmission line can carry without suffering heat-related deterioration of line equipment. "Summer" is the period June 1 through September 30.
2. For Line 2, **Winter Limit**, for each interface, provide the **Winter Thermal Limits** for both the imports and exports. (See Line 1 for the definition of "Thermal limit.") "Winter" is the period December 1 through the end of February.
3. For Line 3, **Summer Total Transfer Capability (TTC)**, for each interface, provide the Summer period TTC for both the imports and exports. "TTC" is the amount of electric power that can be transferred over the interface in a reliable manner while meeting pre-set contingency requirements.
4. For Line 4, **Winter Total Transfer Capability (TTC)**, for each interface, provide the Winter period TTC for both the imports and exports.
5. For Line 5a, **NERC Reliability Standards**, for all international interfaces crossed, provide the count of suspected or actual occurrences (if any) when standards were exceeded, for both the imports exports.
6. For Line 5b, for all international interfaces crossed, cite what **reliability standards were exceeded** (if any) and how many times.
7. For Line 6a, for all international interfaces crossed, provide a **count of the occurrences (if any) when the terms of Presidential Permits** held were exceeded, for both imports and exports.
8. Line 6b, for all international interfaces crossed, cite **what terms were exceeded** (if any).
9. For Line 7a, for all international interfaces crossed, provide a **count of the occurrences (if any) when the terms of Export Authorizations** held were exceeded, both imports and exports.
10. Line 7b, for all international interfaces crossed, cite **what terms were exceeded** (if any).

U.S. Department of Energy Office of Electricity Delivery and Energy Reliability Form OE-781R (2009)	MONTHLY ELECTRICITY IMPORTS AND EXPORTS REPORT	Form Approved OMB No. xxxx-xxxx Approval Expires 12/31/xxxx
<p>GLOSSARY</p> <p>Additional terms related to this form are available online at:</p> <p>www.ferc.gov/docs-filing/eqr/news-help/require-guide.pdf (FERC "Electric Quarterly Report, Filing Requirements Guide")</p> <p>www.ferc.gov/docs-filing/eqr/soft-Tools/eqrdatadictionary.pdf (FERC "Electric Quarterly Data Dictionary Version 1.0")</p> <p>www.tsin.com/glossary.html (NERC, Archived Glossary of OASIS Terms)</p> <p>www.nerc.com/files/glossary_12Feb08.pdf (NERC Glossary of Terms used in Reliability Standards)</p> <p>www.eia.doe.gov/glossary/index.html (EIA, Energy Glossary)</p>		
<p>SANCTIONS</p> <p>The timely submission of Form OE-781R by those required to report is mandatory under 10 CFR sections 205.300 <i>et. seq.</i> and 205.320 <i>et. seq.</i> The timely submission of Form OE-781R by those required to report also is mandatory under Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275), as amended.</p> <p>Failure to respond may result in a penalty of not more than \$2,750 per day for each civil violation, or a fine of not more than \$5,000 per day for each criminal violation. The Government may bring a civil action to prohibit reporting violations, which may result in a temporary restraining order or a preliminary or permanent injunction without bond. In such civil action, the court may also issue mandatory injunctions commanding any person to comply with these reporting requirements. Title 18 U.S.C. 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.</p> <p>A person is not required to respond to the collection of information unless the form displays a valid OMB number.</p>		
<p>REPORTING BURDEN</p>		
<p>PROTECTED INFORMATION</p> <p>Information reported on Form OE-781R will not be treated as confidential and may be publicly released in identifiable form. In addition to the use of the information by EIA for statistical purposes, the information may be used for any nonstatistical purposes, such as administrative, regulatory, law enforcement, or adjudicatory purposes by OE.</p>		