

<b>U.S. Department of Energy Office of Electricity Delivery and Energy Reliability Form OE-781R (2010)</b>	<b>MONTHLY ELECTRICITY IMPORTS AND EXPORTS REPORT</b>	<b>Form Approved OMB No. 1901-0296 Approval Expires 11/30/2012</b>
<p><b>PURPOSE</b> Form OE-781R collects international electricity export and import data from persons authorized by Order to export electric energy from the United States to foreign countries and persons authorized by Presidential permit or treaty to construct, operate, maintain, or connect electric power transmission lines that cross the U.S. international border. Such persons are required to report monthly 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 Energy Information Administration (EIA) and Office of Electricity Delivery and Energy Reliability (OE) publications: <i>Electric Power Annual</i>, <i>Annual Energy Review</i>, <i>Annual Energy Outlook</i>, <i>Electric Power Monthly</i>, and <i>Transactions Across International Borders</i>.</p>		
<p><b>REQUIRED RESPONDENTS</b> Form OE-781R is mandatory pursuant to 15 U.S.C. 772 and must be completed monthly by persons issued Orders authorizing them to export electricity from the United States to foreign countries and by owners and operators of international electricity transmission lines authorized by Presidential permit or treaty.</p>		
<p><b>RESPONSE DUE DATE</b> Submit the completed Form OE-781R for each month to the EIA no later than the last day of month following the reporting month. For example, if reporting data is for June, the survey is due on July 30.</p>		
<p><b>METHODS OF FILING RESPONSE</b> <b>The method for filing the Form OE-781R is via EIA's electronic forms (e-filing) system.</b> 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 <a href="http://www.eia.doe.gov/electricity/edc">http://www.eia.doe.gov/electricity/edc</a> for instructions. If your firm's activities encompass multiple North American Electric Reliability Corporation (NERC) functional categories, (Purchasing and Selling Entity (PSE), Transmission System Operator (TSO), or Transmission Owner (TO), each group will require a unique validation code to help maintain the separation of scheduling and marketing information within the firm. Federal and State organizations responsible for administering U.S. Treaties will report additional information under another category, Treaty Entity (TR).</p> <p>There are other filing options if access to the Internet is not available:</p> <ul style="list-style-type: none"> <li>• E-mail the form to: <a href="mailto:OE-781R@eia.doe.gov">OE-781R@eia.doe.gov</a></li> <li>• Fax the form to: (202) 287-1959 or (202) 287-1960</li> <li>• 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</li> </ul> <p>Note that commonly used facsimile and e-mail transmissions (including files attached to e-mail 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.</p>		
<p><b>CONTACTS</b> For questions regarding the Form OE-781R or additional information contact:</p>		
<p><b>Survey Processing Issues:</b> Name: Michelle Bowles Telephone Number: 202-586-2430 E-mail: <a href="mailto:oe-781r@eia.doe.gov">oe-781r@eia.doe.gov</a></p>		<p><b>Regulatory Issues:</b> Name: Steven Mintz Telephone Number: (202) 586-9506 E-mail: <a href="mailto:steve.mintz@hq.doe.gov">steve.mintz@hq.doe.gov</a></p>

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**GENERAL INSTRUCTIONS**

1. Verify all preprinted information, including company name(s); and address; and contact name(s), telephone number(s), FAX number(s), title(s), and e-mail 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 e - filing system will contain instructions and special drop-down menus to facilitate data inputs.
3. Companies having a Presidential permit where the permit or authorization covers transmission lines at or less than one megawatt will be required to file all the monthly OE-781R data once in an annual filing. Those entities will be notified by EIA about choosing this optional filing method.

**ITEM-BY-ITEM INSTRUCTIONS**

**SCHEDULE 1. IDENTIFICATION INFORMATION (All Respondents)**

Specify the proper **Functional Area Category** and/or Treaty responsibility by marking the applicable checkbox.

1. **Purchasing & Selling Entities (PSE):** Purchasing & Selling Entities may be affiliated or unaffiliated merchants and may or may not own generating facilities.
2. **Transmission System Operator (TSO):** Transmission System Operators oversee the electric power system operations.
3. **Transmission Owners (TO):** Transmission owners own and maintain transmission facilities.
4. **U.S. Treaty Entity (TR):** Entities assigned the oversight responsibilities (U.S. Section) covering electricity and associated linked water usages.

**NOTE:** Depending on the category that the filer selects (e.g., ***Transmission System Operator, Purchasing & Selling Entity, Transmission Owner, or Treaty Entity***), specific survey schedules and customized drop-down menus, pertaining strictly to that chosen category, will be presented to the filer throughout the electronic filing process. Companies that operate under multiple categories need to register each activity separately using a different password.

1. **Survey Contact:** Verify contact name, title, address, telephone number, and e-mail address.
2. **Supervisor Contact:** Verify the contact's supervisor's name, title, address, telephone number, and e-mail address.
3. **Company Name:** Verify the name and address of the entity filing the survey.
4. **Presidential Permits:** For Transmission Owners, report your assigned **Presidential Permit number(s)** individually in the areas provided (e.g., PP-73). (For ease of preparation, this information will autofill from the last submission if e-filing is used.)
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 the last submission if e-filing is used).

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6. **FERC EQR Filer Identification:** For Purchasing and Selling Entities, if applicable, report the Filer Identification Number assigned by the Federal Energy Regulatory Commission (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 the last submission if e-filing is used.)

**SCHEDULE 2A. IMPORTS—CONTRACTS AND FINANCE  
(Purchasing and Selling Entities/U.S. Treaty Entities)**

**NOTES TO USER:** Please note that items 1 through 7 are to be completed by Purchasing and Selling Entities. Items 8 through 12 are to be completed by Treaty Entities.

The e-filing survey form includes a drop-down menu of Balancing Authority names associated with each Purchasing and Selling Entity.

1. For Line 1, provide the scheduled level of imports and the associated payments for **Cost-of-Service Transactions, Market Rate Transactions, and/or Exchanges**, indicating the delivery term of the contract for each Balancing Area to Balancing Area interface where those imports cross to the United States. The contract delivery terms are grouped as: hourly purchases, purchases less than one year, purchases for one or more years, other purchases, and summed by total Interface purchases. If specific delivery terms are not available, provide the interface total alone. An Interface refers to a transmission link between balancing areas for adjacent transmission systems on the U.S. and the Canadian or Mexican sides of the border. Within each U.S. transmission system, 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 balancing area to balancing area interface and contract delivery term, 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 transmission and/or ancillary charges related to these bundled 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. Two options are provided to cover different billing practices. If the value for the energy, ancillary, and transmission service is fully bundled, then show the dollar value in the "Completely Bundled" column. However, if the cost of "transmission service" is separable from the "energy and ancillary" totals, report those values separately in the respective columns. A total value will also be reported for this option in the "Total" column. Provide any comments in Schedule 6.

**Market Rate Transactions.** For each balancing area to balancing area interface and contract delivery term, 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 actual electricity imports for the month. The "Total" column is the sum of all payments made for that category of power deliveries under the contract delivery term, and equals the sum of payments for electricity delivered, transmission and ancillary services.

**NOTE TO USER:** The e-filing system will have a screen with three prior months. This allows for

changes coming from “Booked-out” adjustments.

**Exchange Transactions.** For each balancing area to balancing area interface and contract delivery term, 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. Wheeling transactions that start (source) and stop (sink) within the United States, but either schedule the power delivery across Canadian or Mexican transmission lines will be included in the exchange transaction category. Provide any comments in Schedule 6.

2. For Line 2, Grand **Total Imports**, enter the total volumes and costs derived from the interface information requested in Line 1 for all contract delivery terms.
3. 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.
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 are for non-financial exchanges, where no dollars are exchanged and only the level of power is to be reported in MWh.  
**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 are for 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/U.S. Treaty Entities)**

**NOTES TO USER:** Please note that items 1 through 7 are to be completed by Purchasing and Selling Entities. Items 8 through 12 are to be completed by Treaty Entities.

The e-filing system includes a drop-down menu of Balancing Authority names associated with each Purchasing and Selling Entity.

1. For Line 1, provide the scheduled level of exports and the associated cash receipts for **Cost-of-Service Transactions** –and/or– **Market Rate Transactions** –and/or– **Exchanges**, indicating the delivery terms of the contract for each Balancing Area to Balancing Area interface where those exports cross out of the United States. The contract delivery terms are grouped as: hourly sales, sales less than one year, sales for one or more years, other sales, and total sales. If specific delivery terms are not available, provide the total alone. An interface refers to a transmission

link between balancing areas for adjacent transmission systems on the U.S. and the Canadian or Mexican sides of the border. Within each U.S. transmission system, 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 Balancing Area to Balancing Area interface and contract delivery term, supply the name and level of scheduled exports across that interface during the reporting period. Provide information on revenues from bundled and unbundled transmission, and/or ancillary charges related to these bundled 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. Two options are provided to cover different billing practices. If the value for the energy, ancillary and transmission services is fully bundled, then show the dollar value in the "Completely Bundled" column. However, if the cost of "transmission services" is separable from the "energy and ancillary" totals, report those values separately in the respective columns. A total value will also be reported for this option in the "Total" column. Provide any comment in Schedule 6.

**Market Rate Transactions.** For each Balancing Area to Balancing Area interface and contract delivery term, supply the level of power for the scheduled exports during the reporting period. Provide the total revenues 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 actual electricity exports for the month. The "Total" column is the sum of all payments received for that category of power deliveries under the contract delivery term, and equals the sum of payments for electricity delivered, transmission and ancillary services.

**NOTE TO USER:** The e-filing system will have a screen with three prior months. This allows for changes coming from "Booked-out" adjustments.

**Exchange Transactions.** For each Balancing Area to Balancing Area interface and contract delivery term, 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 receives compensation from the foreign supplier in kind, at times and rates and in amounts as mutually agreed. Wheeling transactions that start (source) and stop (sink) within the United States, but either schedule the power delivery across Canadian or Mexican transmission lines will be included in the exchange transaction category. Provide any comments in Schedule 6.

2. For Line 2, Grand **Total Exports**, enter the total volumes and revenues derived from the interface information requested in Line 1 for all contract delivery terms.
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 deliveries 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.

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**NOTE TO USER:** For the following items, respondents that have U.S. Treaty oversight responsibilities will be pre-notified of their status. As treaty entities, they only have the responsibility to file information for the following items.

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 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 are for non-financial exchanges, where no dollars are exchanged and only the level of power is to be reported in MWh.  
**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 flow taking place under the terms of U.S. treaties and the associated total payment received. Lines 13 and 14 are for 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)**

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

**NOTE TO USER:** The e-filing system will automatically provide the Balancing Authorities that were reported in Schedules 2A and 2B.

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**, **3<sup>rd</sup> Parties**, or **both**. Make this indication by entering either a **Y** = Yes, **N** = No, or **U** = Unknown.

In addition, provide the **total cost** of these services in the **US Dollars** column.

Complete this line for both the **Imported Services** and the **Exported Services**.

**“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 FERC EQR data dictionary, listed in the Glossary, for definitions of individual services and other key system support services.

2. For Line 2, **Replacement Power for 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**, **3<sup>rd</sup> Parties**, or **both**. Make this indication by entering either a **Y** = Yes, **N** = No, or **U** = Unknown.

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

Complete this line for both the **Imported Services** and the **Exported Services**.

3. For Lines 3 through 11, for the columns labeled **Imported Services – U.S. Side** and **Exported Services**, 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.

4. For Lines 3 through 11, review each column, and place a checkmark in each field to indicate whether each service was provided in whole or in part for the month by **Power Suppliers** or **3<sup>rd</sup> Parties**, and whether the services were bundled in **power** or **transmission**. 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)**

Filers need to supply this information for each international TSIN interface in their transmission system. The unit of volume is megawatt hours (MWh).

**NOTE TO USER:** [The e-filing system furnishes a drop-down menu of source/destination combinations.](#)

1. 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.
2. For Line 2, International **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 international source and U.S. destination combination. A drop-down menu is supplied for e-filers for ease of entry.
3. For Line 3, **U.S. Source and International Destination Combinations**, for each interface, provide the scheduled exports falling under the **Firm** contract term, **Non-firm** contract term, and the **Total**. A drop-down menu is supplied for e-filers for ease of entry.
4. For Line 4, "**System**" refers to power acquired from an international transmission system or merchant for which the fuel source is unknown.
5. For Line 5 "**Non System**" refers to all other power flows. Lines 4 and 5 are for **scheduled imports under commercial transactions**—i.e., not those that fall under the terms of a treaty.
6. 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.
7. For Line 7, "**System**" refers to power acquired from a U.S. transmission system or merchant for which the fuel source is unknown.
8. For Line 8 "**Non System**" refers to all other power flows. Lines 7 and 8 are for **scheduled exports under commercial transactions**—i.e., not those that fall under the terms of a treaty.

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9. 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 4. CHARACTERISTICS OF TRANSMISSION OPERATIONS**

**NOTES TO USER:** Items 1a through 4a are to be completed by Transmission System Operators. Items 5a through 5c are to be completed by Transmission Owners and 6a through 6c are to be completed by Purchasing and Selling Entities.

The e-filing system furnishes a drop-down menu choice of Imports or Exports.

Sections on Capacity 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.

Information about the **TSIN** interface will be collected based upon the Type of Transmission Line Usage. The breakouts are as follows: Alternating Current (AC), Direct Current (DC), and Special Facilities (SF) that uses new technologies to switch from DC and AC on the same transmission line will provide information on both interface types.

**Electrical System Safe Operating Limits at Time of Seasonal Peak** for both the imports and exports is the maximum load in megawatts (MW) that a transmission line can carry as constrained by voltage regulation conditions, transfer restrictions coming from other parts of the integrated electrical power system, and usage up to thermal limits without suffering heat-related deterioration of line equipment. The criterion is to be used on Alternating Current line usage.

**Thermal Limits at Time of Seasonal Peak** for both the imports and exports is the maximum load in megawatts (MW) that a transmission line can carry without suffering heat-related deterioration of line equipment. This criterion is to be used on Direct Current line usage.

For **“Special Facilities” that use both AC and DC** on the same transmission line. Please fill-out both the AC and DC sections for Summer and Winter Limits and Total Transfer Capability for Summer and Winter.

1. For Line 1a, **Summer Limit**, for each TSIN interface, provide data for the period June 1 though September 30.
2. For Line 2a, **Winter Limit**, for each TSIN interface, provide data for the period December 1 through the end of February.
3. For Line 3a, **Summer Total Transfer Capability (TTC)**, for each interface, provide data for 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. Summer is the period of June 1 through September 30.
4. For Line 4a, **Winter Total Transfer Capability (TTC)**, for each interface, provide data for the Winter period. TTC for both the imports and exports. Winter is the period of December 1 through the end of February.
5. For Line 5a, enter the **Presidential Permit Number**.
6. For Line 5b, for all international interfaces crossed, provide a **count of the occurrences (if any)**



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when the **Presidential Permit Terms were exceeded**, for both imports and exports.

7. Line 5c, for any **Presidential Permit Terms Exceeded**, provide an explanation.
8. For Line 6a, ~~etc~~ enter the **Export Authorization Number**.
9. Line 6b, for all international interfaces crossed; provide a **count of the occurrences (if any) when the Export Authorization Terms were exceeded**, for both imports and exports.
10. Line 6c, for any **Export Authorization Terms Exceeded**, provide an explanation.

**SCHEDULE 5A. EXISTING TRANSMISSION FACILITIES CROSSING BORDERS  
(Transmission Owners)**

**Transmission Line Identification**

**NOTE TO USER:** For electronic filers, during their initial filing the filers will need to provide the TSIN Identification and the Presidential Permit number for each transmission line crossing the border. After the initial information filing, existing transmission line information will be displayed automatically. On the paper form an individual existing transmission line column, referred to here as Transmission Line 1st, 2nd 3rd, etc., with a Presidential Permit number is shown. The e-filing system furnishes several drop-down menus for relevant sections of this schedule.

1. For Line 1a, **Presidential Permit Number**, enter the assigned number that was provided by DOE when your authorization was approved. For Line 1b, enter the **TSIN Identification Number**, if known.
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, **Line Ownership Type**, identify the type of organization that best represents the line owner, including the following types of utilities: C = Cooperative, F = Federal, I = Investor-Owned, M = Municipal, A = Municipal Marketing Authority, S = State owned, P = Political Subdivision (Non-state), Q = Independent Power Producer or Qualifying Facility, R = Retail Power Marketer (or Energy Service Provider), O = Other (other includes foreign based entities).
5. For Line 5, **Percent Ownership**, enter the **percentage owned** by each filing transmission facility owner.
6. For Line 6, **Status of Existing Transmission Line**, enter the **applicable status**: OP = Operational, RE = Retired in place (lines and equipment not removed), OS = Being taken Out of service or is Out of Service and AB= Abandoned.
7. For Line 7, **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).
8. For Line 8, **Line Type**, select the **physical location of the line conductor**: OH = Overhead, UG = Underground, SM = Submarine.
9. For Line 9, **Voltage Type**, enter the **voltage type**: AC = Alternating Current, DC = Direct

Current, SF = Special Facility using new technologies for DC and AC.

10. For Line 10, **Voltage Operating (Kilovolts)**, enter the **voltage at which the line is normally operated** in kilovolts (kV).
11. For Line 11, **Voltage Design (Kilovolts)**, enter the **voltage at which the line was designed to operate** in kilovolts (kV).
12. For Line 12, **Conductor Size (MCM)**, enter the **size of the line conductor** in thousands of circular mils (MCM).
13. For Line 13, **Conductor Material Type**, enter the **conductor material type**: AL = Aluminum, ACCR = Aluminum Composite Conductor, ACSR = Aluminum Core Steel Reinforced.
14. For Line 14, **Bundling Arrangement**, enter the **bundling arrangement/configuration of the line conductors**: 1 = Single, 2 = Double, 3 = Triple, 4 = Quadruple, 5 = Other.
15. For Line 15, **Circuits per Structure Present**, enter the current number of **three-phase circuits on the structures of the line**.
16. For Line 16, **Circuits per Structure Ultimate**, enter the **ultimate number of three-phase circuits** that the structures of the line are designed to accommodate.
17. For Line 17, **Pole/Tower Type**, identify the predominant **pole/tower material** for the line: P = Single Pole, H = H Frame, T = Tower, U = Underground, O = Other.
18. For Line 18, **Capacity Rating (megavolt amperes)**, enter the **normal load-carrying capacity** of the line in megavolt amperes (million volt amperes) (MVA).

**SCHEDULE 5B. PROPOSED TRANSMISSION FACILITIES CROSSING BORDERS  
(Transmission Owners)**

**Transmission Line Identification**

**NOTE:** Filers need to provide this information for each transmission line crossing the border.

**NOTE TO USER:** For electronic filers, during their initial filing the filers will need to provide the TSIN Identification and the Presidential Permit number for each transmission line crossing the border. After the initial information filing, existing transmission line information will be displayed automatically. On the paper form an individual existing transmission line column, referred to here as Transmission Line 1st, 2nd 3rd, etc., with a Presidential Permit number is shown. The e-filing system furnishes several drop-down menus for relevant sections of this schedule.

1. For line 1a, **Presidential Permit Number**, enter the assigned number that was provided by DOE when your authorization was approved. For Line 1b, enter the **TSIN Identification Number**, if known.
2. For Line 2, **Terminal Location (From)**, enter the name of the **beginning terminal point** of the line.

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<ol style="list-style-type: none"> <li>3. For Line 3, <b>Terminal Location (To)</b>, enter the name of the <b>ending terminal point</b> of the line.</li> <li>4. For Line 4, <b>Line Ownership Type</b>, identify the type of organization that best represents the line owner, including the following types of utilities: C = Cooperative, F = Federal, I = Investor-Owned, M = Municipal, A = Municipal Marketing Authority, S = State-Owned, P = Political Subdivision (Non-state), Q = Independent Power Producer or Qualifying Facility, R = Retail Power Marketer (or Energy Service Provider), O = Other, (other includes foreign based entities).</li> <li>5. For Line 5, <b>Percent Ownership</b>, enter the <b>percentage owned</b> by each filing transmission facility.</li> <li>6. For Line 6, <b>Status of Proposed Transmission Line</b>, enter the <b>applicable status</b>: CL = Conceptual, CN = Cancelled, CO = Under Construction PL = Planned.</li> <li>7. For Line 7, <b>Line Length</b>, enter the <b>number of miles between the beginning and ending terminal points</b> of the line (regardless of the number of conductors or circuits carried.)</li> <li>8. For Line 8, <b>Line Type</b>, select the <b>physical location of the line conductor</b>: OH = Overhead, UG = Underground, SM = Submarine.</li> <li>9. For Line 9, <b>Voltage Type</b>, enter the <b>voltage type</b>: AC = Alternating Current, DC = Direct Current, SF = Special Facility using new technologies for DC and AC.</li> <li>10. For Line 10, <b>Voltage Operating (Kilovolts)</b>, enter the <b>voltage at which the line is normally operated</b> in kilovolts (kV).</li> <li>11. For Line 11, <b>Voltage Design (Kilovolts)</b>, enter the <b>voltage at which the line was designed to operate</b> in kilovolts (kV).</li> <li>12. For Line 12, <b>Conductor Size (MCM)</b>, enter the <b>size of the line conductor</b> in thousands of circular mils (MCM).</li> <li>13. For Line 13, <b>Conductor Material Type</b>, enter the <b>conductor material type</b>: AL = Aluminum, ACCR = Aluminum Composite Conductor, ACSR = Aluminum Core Steel Reinforced.</li> <li>14. For Line 14, <b>Bundling Arrangement</b>, enter the <b>bundling arrangement/configuration of the line conductors</b>: 1 = Single, 2 = Double, 3 = Triple, 4 = Quadruple, 5 = Other.</li> <li>15. For Line 15, <b>Circuits per Structure Present</b>, enter the current number of <b>three-phase circuits on the structures of the line</b>.</li> <li>16. For Line 16, <b>Circuits per Structure Ultimate</b>, enter the <b>ultimate number of three-phase circuits</b> that the structures of the line are designed to accommodate.</li> <li>17. For Line 17, <b>Pole/Tower Type</b>, identify the predominant <b>pole/tower material</b> for the line: P = Single Pole, H = H Frame, T = Tower, U = Underground, O = Other.</li> <li>18. For Line 18, <b>Capacity Rating (megavolt amperes)</b>, enter the <b>normal load-carrying capacity</b> of the line in megavolt amperes (million volt amperes) (MVA).</li> <li>19. For Line 19, <b>Projected In Service Date</b>, enter the projected month and year that the facility will enter service (mm-yyyy).</li> <li>20. For Line 20, <b>Upgrade to Existing Line</b>, indicate whether the project represents an upgrade to an</li> </ol>		

existing line, check yes or no. If yes, **Provide the Upgrade Capacity**

21. For Line 21, **Right-of-Way Use**, indicate whether a line project will use: New, Existing or Unknown Right-of-Way. Check all that apply.

22. For Line 22, **New Facilities**, indicate whether a project represents an: Improvement to Grid, Improvement to Substation, or Other. Check all that apply.

**SCHEDULE 6. COMMENTS**

**PLEASE ENTER ANY COMMENTS REGARDING THIS SURVEY.** Whenever possible, relate your comments to specific Schedules and Line Items.

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**GLOSSARY**

Additional terms related to this form are available online at:

[www.ferc.gov/docs-filing/eqr/news-help/require-guide.pdf](http://www.ferc.gov/docs-filing/eqr/news-help/require-guide.pdf) (FERC "Electric Quarterly Report, Filing Requirements Guide")

[www.ferc.gov/docs-filing/eqr/soft-Tools/eqrdatadictionary.pdf](http://www.ferc.gov/docs-filing/eqr/soft-Tools/eqrdatadictionary.pdf) (FERC "Electric Quarterly Data Dictionary Version 1.0")

[www.tsin.com/glossary.html](http://www.tsin.com/glossary.html) (NERC, Archived Glossary of OASIS Terms)

[www.nerc.com/files/glossary\\_12Feb08.pdf](http://www.nerc.com/files/glossary_12Feb08.pdf) (NERC Glossary of Terms used in Reliability Standards)

[www.eia.doe.gov/glossary/index.html](http://www.eia.doe.gov/glossary/index.html) (EIA, Energy Glossary)

**SANCTIONS**

The timely submission of Form OE-781R by those required to report is mandatory under 10 CFR sections 205.300 et. Seq. and 205.320 et.seq. The timely submission of Form OE-78R 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.

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.

**REPORTING BURDEN**

Public reporting burden for this collection of information is estimated to average 7.8 hours per respondent, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Energy Information Administration, Statistics and Methods Group, EI-70, 1000 Independence Avenue S.W., Forrestal Building, Washington, D.C. 20585-0670; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503. A person is not required to respond to the collection of information unless the form displays a valid OMB number.

**DISCLOSURE OF INFORMATION**

Information reported on Form OE-781R will be treated as non-sensitive 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.