



SPP Recommendation

FERC Electronic Quarterly Report

Data Dictionary

Version 1.1

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Report Columns

Data contained in each field will be in UPPERCASE.

FERC Field	Field	Required	Description	Data Type	Business Rule
45	transaction_unique_id	X	A unique sequence within the file consisting of one record for each transaction record that must be included in an EQR for a given quarter. A new transaction record must be used every time a price changes in a sale.	An integer preceded by the let "T" (only used when importing transaction data)	NULL by SPP
46	seller company name	X	The name of the company that is authorized to make sales. The seller company name will be populated by SPP with the corresponding NERCID/AO short name. Participants will need to overwrite the data with their specific information prior to submitting the EQR to FERC. Example: EOEG, HREG_X, etc.	CHAR(100)	Use NERCID / AO short name
47	customer_company_name	X	The name of the purchaser of contract products and services. Static data: Southwest Power Pool	CHAR(70)	SPP will populate with SOUTHWEST POWER POOL
48	ferc_tariff_reference	X	This is the individual tariff reference for the entity that makes the sale.	CHAR(60)	NULL by SPP
49	contract_service_agreement	X	Unique identifier given to each service agreement that can be used by the Seller to produce the agreement, if requested. The identifier may be the number assigned by FERC for those service agreements that have been filed and approved by the Commission, or it	CHAR(30)	NULL by SPP

FERC Field	Field	Required	Description	Data Type	Business Rule
			may be generated as part of an internal identification system.		
50	transaction_unique_identifier	X	Unique sequence number within the file assigned by the Seller for each transaction. Each transaction will have a unique incremental number for the month. Example: DARGD_061510000000 (product name - Refer to PRODUCT CODE table below, 2 digit month, 2 digit year, incrementing transaction id.) Customer may append their customer ID's as needed.	CHAR(24)	Include leading zeros to maintain consistent length
51	transaction_begin_date	X	The start date and time the product is sold during the quarter. It is reported in CP, Interval begin time. DA = OD Hour Ending - 1 Hour RT = OD Interval Ending - 5 minutes	DATE	DATE YYYYMMDDHHMM
52	transaction_end_date	X	The end date and time the product is sold during the quarter. It is reported in CP, Interval end time. DA= OD Hour Ending RT= OD Interval Ending	DATE	DATE YYYYMMDDHHMM
53	trade_date	X	The date upon which the parties made the legally binding agreement on the price of a transaction. It is reported in CP. DA = OD-1 RT = OD	DATE	DATE YYYYMMDD
54	exchange_brokerage_service	X	If a broker service is used to consummate or effectuate a transaction, the term "Broker" shall be provided. If an exchange is used, the specific exchange that is used	CHAR(50)	NULL by SPP

FERC Field	Field	Required	Description	Data Type	Business Rule
			shall be selected from the Commission-provided list.		
55	type_of_rate	X	If the price is the result of an RTO/ISO market or the sale is made to the RTO/ISO. Static Data: RTO/ISO	CHAR(10)	SPP will populate with RTO/ISO
56	time_zone	X	The time zone in which the sale was made. Static Data: CP	CHAR(2)	SPP will populate with CP
57	point_of_delivery_balancing_authority	X	The registered Balancing Authority (formerly called NERC Control Area) abbreviation used in OASIS applications. Static Data: SWPP	CHAR(50)	SPP will populate with SWPP
58	point_of_delivery_specific_location	X	The specific location at which the product is delivered. If receipt occurs at a trading hub, a standardized hub name must be used.	CHAR(50)	SPP will use the SL. If no specific SL, SWPP will be default
59	class_name	X	Dynamic data description: F- Firm NF- NonFirm UP- UnitPowerSale BA- BillingAmount N/A-NonApplicable Static Data: F	CHAR(4)	SPP will use F as default
60	term_name	X	Power sales transactions with durations of one year or greater are long-term. Transactions with shorter durations are short-term. LT-Long Term ST-Short Term N/A-Not Applicable Static Data: ST	CHAR(4)	SPP will use ST as default

FERC Field	Field	Required	Description	Data Type	Business Rule
61	increment_name	X	This column will be populated with 5, 15, H, D, M or Y, depending on the billing line item. 5 = Five-Minute 15 = Fifteen-Minute H = Hourly D = Daily M = Monthly Y = Yearly N/A – not applicable Refer to PRODUCT CODE table below for FREQUENCY	CHAR(4)	DA Hourly Bill Determinants should use "H". RT 5min Bill Determinants should use "5". OOME and Make-Whole Payments will use N/A.
62	increment_peaking_name	X	FP, P, OP or N/A, depending on the billing line item and transaction begin date. Transactions with hourly increments will have an increment peaking type = P or OP, depending on whether the hour is an On Peak or Off Peak hour. Refer to PRODUCT CODES table for PEAK	CHAR(4)	P, OP, NA – uplift Interval On Peak or Off Peak based on Interval/Hour Ending and Schedule 1 of SPP Tariff On-Peak and Off-Peak Periods: Off-Peak days shall be Saturdays and Sundays and all NERC holidays. All other days shall be On-Peak. All hours during Off-Peak days shall be Off-Peak. On-Peak hours during On-Peak days shall be all hours from HE 0700 through HE 2200 Central Prevailing Time. All other hours during On-Peak days shall be Off-Peak.
63	product_name	X	Designated FERC EQR product name for each reportable line item. ENERGY, REGULATION & FREQUENCY RESPONSE, SPINNING RESERVE, SUPPLEMENTAL RESERVE, UPLIFT. Contents of this field are found in the PRODUCT CODES tab FERC Product Name Field Refer to PRODUCT CODES table for FERC Product Code	CHAR(50)	

FERC Field	Field	Required	Description	Data Type	Business Rule
64	transaction_quantity	X	This column will be populated with the reportable quantity for the line item and time period displayed. The products that are reported with a flat rate will have a transaction quantity of 1. ENERGY: For DA -Mwh For RT Transactions-5-min Qty / 12.	NUMBER(17) <i>With up to 4 decimals</i>	Cannot use zero as a default quantity, must use NULL. If the real value is zero, then remove the record. Should use same values we currently have for EQR Qty. For DA – would be hourly, for RT – should be 5-min.
65	price	X	The price will vary depending on the line item displayed. For items that use a flat rate as the unit of measure, the price will be the credit received for the hour, day or month. Others line items will display the price at which the transaction quantity was settled. ENERGY: For DA - \$/MWh For RT Transactions- 5-min Price * 12	NUMBER(17) <i>With up to 6 decimals</i>	Should use same values we currently have for EQR Price. For DA – would be hourly LMP, for RT – should be 5-min LMP.
66	rate_units	X	Displays the unit of measure in which the price is displayed for a given line item. This column will be populated with \$/MWH or FLAT RATE. Refer to PRODUCT CODES table for UNITS field	CHAR(10)	
67	standardized_quantity	X	This column will be populated with the reportable quantity for the line item and time period displayed. The products that are reported with a flat rate will have a transaction quantity of 1.	NUMBER(17) <i>With up to 4 decimals</i>	Cannot use zero as a default quantity, must use NULL. If the real value is zero, then remove the record.

FERC Field	Field	Required	Description	Data Type	Business Rule
			ENERGY: For DA -Mwh For RT use the current SPP EQR quantity. Same as FERC field 64.		
68	standardized_price	X	The price will vary depending on the line item displayed. For items that use a flat rate as the unit of measure, the price will be the credit received for the hour, day or month. Others line items will display the price at which the transaction quantity was settled. ENERGY: For DA - \$/MWh For RT use the current SPP EQR price. Same as FERC field 65	NUMBER(17) <i>With up to 6 decimals</i>	
69	total_transmission_charge	X	Payments received for transmission services when explicitly identified.	NUMBER(17) <i>With up to 2 decimals</i>	SPP will always populate with zero. Cannot be NULL.
70	total_transaction_charge	X	This is a calculated field. Transaction Quantity (FERC field 64), times Price (FERC field 65), plus Total Transmission Charge (FERC field 69)	NUMBER(17) <i>With up to 2 decimals</i>	If the quantity, price and transmission are zero, the record should not be reported to FERC. If price is zero and quantity or transmission are not equal zero, report zero to FERC.
SPP	determinant_name		SPP provided-Bill Determinant name. Refer to PRODUCT CODES table for Source_Product Code	CHAR(50)	Use Source_Product code from the PRODUCT CODES table. Also use this in the transaction name field #...
SPP	settlement_run_type		Reflects the most current Settlement Type associated with the report. I, F, R2, R4...R12.	VARCHAR(12)	

Product Codes Table (Effective Dated)

Product Code	Source_Product Code	Source Product_Name	FERC Product Name	UNITS	FREQUENCY	PEAK
DAAEN	EqrDaAssetEnergyHrlyQty & Prc	Day-Ahead Asset Energy	ENERGY	\$/MWH	H	P or OP
DANAE	EqrDaNAssetEnergyHrlyQty & Prc	Day-Ahead Non-Asset Energy	ENERGY	\$/MWH	H	P or OP
DARGU	EqrDaRegUpHrlyQty & Prc	Day-Ahead Regulation-Up Service	REGULATION & FREQUENCY RESPONSE	\$/MWH	H	P or OP
DARGD	EqrDaRegDnHrlyQty & Prc	Day-Ahead Regulation-Down Service	REGULATION & FREQUENCY RESPONSE	\$/MWH	H	P or OP
DASPI	EqrDaSpinHrlyQty & Prc	Day-Ahead Spinning Reserve	SPINNING RESERVE	\$/MWH	H	P or OP
DASUP	EqrDaSuppHrlyQty & Prc	Day-Ahead Supplemental Reserve	SUPPLEMENTAL RESERVE	\$/MWH	H	P or OP
DAMWP	EqrDaMwpHrlyQty & Prc	Day-Ahead Make-Whole-Payment	UPLIFT	FLAT RATE	N/A	N/A
RTAEN	EqrRtAssetEnergy5minQty & Prc	Real-Time Asset Energy	ENERGY	\$/MWH	H - 5	P or OP
RTNAE	EqrRtNAssetEnergy5minQty & Prc	Real-Time Non-Asset Energy	ENERGY	\$/MWH	H - 5	P or OP
RTRGU	EqrRtRegUp5minQty & Prc	Real-Time Regulation-Up Service	REGULATION & FREQUENCY RESPONSE	\$/MWH	H - 5	P or OP
RTRGD	EqrRtRegDn5minQty & Prc	Real-Time Regulation-Down Service	REGULATION & FREQUENCY RESPONSE	\$/MWH	H - 5	P or OP
RTSPI	EqrRtSpin5minQty & Prc	Real-Time Spinning Reserve	SPINNING RESERVE	\$/MWH	H - 5	P or OP
RTSUP	EqrRtSupp5minQty & Prc	Real-Time Supplemental Reserve	SUPPLEMENTAL RESERVE	\$/MWH	H - 5	P or OP
RTMWP	EqrRtMwp5minQty & Prc	RUC Make-Whole-Payment	UPLIFT	FLAT RATE	N/A	N/A
RTOOM	EqrRtOom5minQty & Prc	Real-Time Out-Of-Merit	UPLIFT	FLAT RATE	N/A	N/A
RTRAJ	EqrRtRegAdj5minQty & Prc	Real-Time Regulation Deployment Adjustment	REGULATION & FREQUENCY RESPONSE	FLAT RATE	H - 5	P or OP
REUUM	EqrRegUpUnusedMileMwp5minQty & Prc	Real-Time Unused Regulation-Up Mileage Make-Whole Payment	REGULATION & FREQUENCY RESPONSE	FLAT RATE	H	P or OP
REDUM	EqrRegDnUnusedMileMwp5minQty & Prc	Real-Time Unused Regulation-Down Mileage Make-Whole Payment	REGULATION & FREQUENCY RESPONSE	FLAT RATE	H	P or OP
RTDEM	EqrRtRegDnExcessMile5minQty & Mcp5min Prc	Real-Time Regulation-Down Service	REGULATION & FREQUENCY RESPONSE	\$/MWH	H - 5	P or OP
RTUEM	EqrRtRegUpExcessMile5minQty & Mcp5min Prc	Real-Time Regulation-Up Service	REGULATION & FREQUENCY RESPONSE	\$/MWH	H - 5	P or OP
RTDUM	EqrRtRegDnUnusedMile5minQty & Mcp5min Prc	Real-Time Regulation-Down Service	REGULATION & FREQUENCY RESPONSE	\$/MWH	H - 5	P or OP
RTUUM	EqrRtRegUpUnusedMile5minQty & Mcp5minPrc	Real-Time Regulation-Up Service	REGULATION & FREQUENCY RESPONSE	\$/MWH	H - 5	P or OP

Format

SPP will provide the FERC EQR Reports in XML format. The customer will need to convert to CSV to submit to FERC.

- MPs want monthly EQR XML files to be generated per AO and placed on an FTP server for download.
- MPs want to be able to retrieve historic EQR XML files.
- All EQR transactions should be updated with the current settlement_run_type (settlement cycle), transaction details, and total settlement amounts (do not use net amounts) every time the operating date is re-settled. Each time a report is pulled, it will contain a complete set of EQR data for the **most current** settlement cycle.
- The product code table needs to be effective dated.