

APPENDIX A - DATA ELEMENTS AND FIELD LENGTHS GUIDE

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details
Respondent Data	Respondent Name	70/Char	Not editable
	DUNS (R)	9/Char	A nine-digit number with no dashes
Respondent Contact Data	Name (R)	50/Char	Seller's Name. Duplicates not allowed
	Title (R)	50/Char	Contact's Title (such as Contract Administrator and Regulatory Affairs Director)
	Phone (R)	20/Char	Respondent contact's Phone number
	Address (R)	4/Memo	Respondent contact's Address
	City (R)	30/Char	Respondent contact's City name
	State (R)	2/Char	Two character State or Province abbreviation
	Zip (R)	10/Char	Postal Service ZIP code
	Country Name (R)	20/Char	Valid Values: CA - Canada MX - Mexico US - US
	Email (R)	100/Char	Respondent contact's E-Mail address
Sellers Data	Seller Name (R)	70/Char	Seller's Name. Name of Company with Tariff. Duplicates not allowed.
	DUNS (R)	9/Char	A nine-digit number with no dashes
Seller Contact Data	Name	50/Char	Contact's complete name
	Title	50/Char	Seller contact's Title (such as Contract Administrator and Regulatory Affairs Director)
	Phone	20/Char	Contact's Phone number
	Address	4/Memo	Seller's Address
	City	30/Char	Seller's City name
	State	2/Char	Two character State or Province abbreviation

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details
	Zip	10/Char	Postal Service ZIP code
	Country Name	2/Char	Valid Values: CA - Canada MX - Mexico US - US
	Email	100/Char	Seller's Contact E-Mail address
Agent Data	Agent Company Name (R)	70/Char	Agent company's name
	DUNS	9/Char	A nine-digit number with no dashes
	Name	50/Char	Agent's complete Name
	Title	50/Char	Agent's Title (such as Contract Administrator and Regulatory Affairs Director)
	Phone	20/Char	Agent's Phone number
	Address	4/Memo	Agent's Address
	City	30/Char	Agent's City name
	State	2/Char	Two character State or Province abbreviation
	Zip	10/Char	Postal Service ZIP code
	Country Name	2/Char	Valid Values: CA - Canada MX - Mexico US - US
	Email	100/Char	Agent contact's E-Mail address
Contracts	Seller (R)	70/Char	Seller value (from list of entries)
	Customer (R)	70/Char	Customer name
	FERC Tariff Reference (R)	60/Char	Contract's FERC tariff reference number
Contract Data	Contract Service Agreement ID (R)	30/Char	Alpha-numeric identifier unique to each contract; Given to each service agreement
	Customer DUNS field (R)	15/Char	A nine-digit number with no dashes
	Affiliate (R)	1/Char	Is contract with a company affiliate? Y or N

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details
	Contract Execution Date (R)	8/Date	Date contract was signed. Use latest date signed for multiple dates. Format for manual entry is (MMDDYYYY). Format for .csv import is (YYYYMMDD).
	Contract Commencement Date (R)	8/Date	First date contract was effective; frequently the first date of service under a contract. Format for manual entry is (MMDDYYYY). Format for .csv import is (YYYYMMDD)
	Contract Termination Date	8/Date	Date specified in contract on which contract will expire. Format for manual entry is (MMDDYYYY). Format for .csv import is (YYYYMMDD)
	Actual Termination Date	8/Date	Date contract actually terminated. Format for manual entry is (MMDDYYYY). Format for .csv import is (YYYYMMDD).
	Extension Provision Description (R)	4/Memo	Descriptive Text
Contract Product Data	Product Type Name (R)	5/Char	Valid Values: CB - Cost-Based MB - Market-Based Other - Other S - Services T - Transmission
	Product Name (R)	50/Char	Valid Values: BLACK START SERVICE CAPACITY CUSTOMER CHARGE DIRECT ASSIGNMENT FACILITIES CHARGE EMERGENCY ENERGY ENERGY ENERGY IMBALANCE EXCHANGE AGREEMENT FUEL CHARGE GRANDFATHERED BUNDLED INTERCONNECTION AGREEMENT MEMBERSHIP AGREEMENT MUST RUN AGREEMENT NEGOTIATED RATE TRANSMISSION NETWORK NETWORK OPERATING AGREEMENT OTHER POINT-TO-POINT AGREEMENT REACTIVE SUPPLY & VOLTAGE CONTROL REAL POWER TRANSMISSION LOSS REGULATION & FREQUENCY RESPONSE

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details
			REQUIREMENTS SERVICE SCHEDULE SYSTEM CONTROL & DISPATCH SPINNING RESERVE SUPPLEMENTAL RESERVE SYSTEM OPERATING AGREEMENT TRANSMISSION OWNERS AGREEMENT
	Class Name (R)	4/Char	Valid Values: F - Firm N/A - Not Applicable NF - Non-Firm UP - Unit Power Sale
	Term Name (R)	4/Char	Valid Values: LT - Long-Term N/A - Not Applicable ST - Short-Term
	Increment Name (R)	4/Char	Valid Values: H - Hourly D - Daily M - Monthly N/A - Not Applicable W - Weekly Y - Yearly
	Increment Peaking Name (R)	4/Char	Valid Values: FP - Full Period N/A - Not Applicable, Undefined OP - Off-Peak P - On Peak
	Quantity	17/Num	Numeric
	Units	10/Char	Valid Values: FLAT RATE KV KVA KVR KW KWH KW-DAY KW-MO KW-WK KW-YR MVAR-YR MW MWH

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details									
			MW-DAY MW-MO MW-WK MW-YR RKVA									
	Rate ¹	17/Num	Numeric									
	Rate Minimum	17/Num	Numeric									
	Rate Maximum	17/Num	Numeric									
	Rate Description	150/Char	Descriptive text									
	Rate Units	10/Char	Valid Values: \$/KV \$/KVA \$/KVR \$/KW \$/KWH \$/KW-DAY \$/KW-MO \$/KW-WK \$/KW-YR \$/MW \$/MWH \$/MW-DAY \$/MW-MO \$/MW-WK \$/MW-YR \$/MVAR-YR \$/RKVA CENTS CENTS/KVR CENTS/KWH FLAT RATE									
	Point of Receipt Control Area	50/Char	Valid Values: If the contract lists a Point of Receipt Control Area, it must be entered in this field. Use the Abbreviation from the List of Valid Values. <table border="1" data-bbox="820 1654 1560 1803"> <thead> <tr> <th><u>Abbrev.</u></th> <th><u>Control Area</u></th> <th><u>NERC Region</u></th> </tr> </thead> <tbody> <tr> <td>AEP</td> <td>AEP Service Corp. -- Transmission System</td> <td>ECAR</td> </tr> <tr> <td>AEBN</td> <td>AESC, LLC - AEBN</td> <td>ECAR</td> </tr> </tbody> </table>	<u>Abbrev.</u>	<u>Control Area</u>	<u>NERC Region</u>	AEP	AEP Service Corp. -- Transmission System	ECAR	AEBN	AESC, LLC - AEBN	ECAR
<u>Abbrev.</u>	<u>Control Area</u>	<u>NERC Region</u>										
AEP	AEP Service Corp. -- Transmission System	ECAR										
AEBN	AESC, LLC - AEBN	ECAR										

¹ At least of the next four fields (Rate, Rate Minimum, Rate Maximum, Rate Description) is Required.

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details		
			AEGL	AESC, LLC - Gleason	SERC
			AELC	AESC, LLC - Lincoln Center	MAIN
			AEWC	AESC, LLC - Wheatland CIN	ECAR
			AEWI	AESC, LLC - Wheatland IPL	ECAR
			AEC	Alabama Electric Cooperative, Inc.	SERC
			AESO	Alberta Electric System Operator	WSCC
			ALEX	Alliant Energy - CA	MAIN
			ALWX	Alliant Energy - CA	MAIN
			ALTE	Alliant Energy - CA - ALTE	MAIN
			ALTW	Alliant Energy - CA - ALTW	MAIN
			AMRN	Ameren Transmission	MAIN
			FE	American Transmission Systems, Inc.	ECAR
			MPS	Aquila Networks - MPS	SPP
			WPEC	Aquila Networks - WPC	WSCC
			WPEK	Aquila Networks - WPK	SPP
			AZPS	Arizona Public Service Company	WECC-AZNMSNV
			AECI	Associated Electric Cooperative, Inc.	SERC
			AVA	Avista Corp.	WECC-NWPP
			BCHA	B.C. Hydro & Power Authority	WECC-NWPP
			BCA	Batesville Control Area	SERC
			BREC	Big Rivers Electric Corp.	ECAR
			KACY	Board of Public Utilities	SPP
			BPAT	Bonneville Power Administration Transmission	WECC-NWPP
			DSK1	BridgeCo	ECAR
			CISO	California Independent System Operator	WECC-CAMX
			CPLE	Carolina Power & Light Company - CPLE	SERC
			CPLW	Carolina Power & Light Company - CPLW	SERC
			CSWS	Central and Southwest	SPP
			CILC	Central Illinois Light Co	MAIN
			CHPD	Chelan County PUD	WECC-NWPP
			CIN	Cinergy Corporation	ECAR
			HST	City of Homestead	FRCC
			INDN	City of Independence P&L Dept.	SPP
			TAL	City of Tallahassee	FRCC
			CWLP	City Water Light & Power	MAIN
			CLEC	Cleco Power LLC	SPP
			CWLD	Columbia Water & Light	MAIN
			CFE	Comision Federal de Electricidad	WECC-CAMX
			CE	Commonwealth Edison	MAIN
			DPC	Dairyland Power Cooperative	MAPP
			DPL	Dayton Power & Light	ECAR

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details		
			BERC	DECA, LLC	WSCC
			DEHA	DECA, LLC	SPP
			DELO	DECA, LLC	ECAR
			DEMG	DECA, LLC	SERC
			DESM	DECA, LLC	SERC
			GRMA	DECA, LLC	WSCC
			HGMA	DECA, LLC	WSCC
			DEAA	DECA, LLC - Arlington Valley	WECC-AZNMSNV
			DEEM	DECA, LLC - Enterprise	SERC
			DELI	DECA, LLC - Lee	MAIN
			DEMT	DECA, LLC - Murray	SERC
			DENL	DECA, LLC - North Little Rock	SERC
			DESG	DECA, LLC - Sandersville	SERC
			DEVI	DECA, LLC - Vermillion	ECAR
			DEWO	DECA, LLC - Washington	ECAR
			VAP	Dominion Virginia Power	SERC
			DUK	Duke Energy Corporation	SERC
			DLCO	Duquesne Light	ECAR
			EKPC	East Kentucky Power Cooperative, Inc.	ECAR
			EPE	El Paso Electric	WECC-AZNMSNV
			EEL	Electric Energy, Inc.	MAIN
			EDE	Empire District Electric Co., The	SPP
			EES	Entergy	SERC
			ERCO	ERCOT ISO	ERCOT
			FMPP	Florida Municipal Power Pool	FRCC
			FPL	Florida Power & Light	FRCC
			FPC	Florida Power Corporation	FRCC
			GVL	Gainesville Regional Utilities	FRCC
			GRDA	Grand River Dam Authority	SPP
			GCPD	Grant County PUD No.2	WECC-NWPP
			GRE	Great River Energy	MAPP
			GREC	Great River Energy	MAPP
			GREN	Great River Energy	MAPP
			GRES	Great River Energy	MAPP
			GA	GridAmerica	ECAR
			HE	Hoosier Energy	ECAR
			HQT	Hydro-Quebec, TransEnergie	NPCC
			HUB	HUB	N/A
			IPCO	Idaho Power Company	WECC-NWPP
			IP	Illinois Power Co.	MAIN
			IPRV	Illinois Power Co.	MAIN
			IID	Imperial Irrigation District	WECC-AZNMSNV
			IPL	Indianapolis Power & Light Company	ECAR
			ISNE	ISO New England Inc.	NPCC
			JEA	JEA	FRCC
			KCPL	Kansas City Power & Light, Co	SPP

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details		
			LAF	Lafayette Utilities System	SPP
			LGEE	LG&E Energy Transmission Services	ECAR
			LES	Lincoln Electric System	MAPP
			LDWP	Los Angeles Department of Water and Power	WECC-CAMX
			LEPA	Louisiana Energy & Power Authority	SPP
			LAGN	Louisiana Generating, LLC	SERC
			MGE	Madison Gas and Electric Company	MAIN
			MHEB	MHEB, Transmission Services	MAPP
			MECS	Michigan Electric Coordinated System	ECAR
			MEC	MidAmerican Energy Company	MAPP
			MISO	Midwest ISO	ECAR
			MP	Minnesota Power, Inc.	MAPP
			MDU	Montana-Dakota Utilities Co.	MAPP
			MPW	Muscatine Power and Water	MAPP
			NPPD	Nebraska Public Power District	MAPP
			NEVP	Nevada Power Company	WECC-AZNMSNV
			NBPC	New Brunswick Power Corporation	NPCC
			NHC1	New Horizons Electric Cooperative	SERC
			NYIS	New York Independent System Operator	NPCC
			TEST	North American Electric Reliability Council	NERC
			NIPS	Northern Indiana Public Service Company	ECAR
			NSP	Northern States Power Company	MAPP
			NWMT	NorthWestern Energy	WSCC
			MCLN	NRG South Central Generating LLC	SPP
			OVEC	Ohio Valley Electric Corporation	ECAR
			OKGE	Oklahoma Gas and Electric	SPP
			IMO	Ontario - Independent Electricity Market Operator	NPCC
			OPPD	OPPD CA/TP	MAPP
			OTP	Otter Tail Power Company	MAPP
			DOPD	P.U.D. No. 1 of Douglas County	WSCC
			PACE	PacifiCorp-East	WECC-NWPP
			PACW	PacifiCorp-West	WECC-NWPP
			PJM	PJM Interconnection	MAAC
			PGE	Portland General Electric	WECC-NWPP
			PSCO	Public Service Company of Colorado	WECC-RMPA
			PNM	Public Service Company of New Mexico	WECC-AZNMSNV
			PSEI	Puget Sound Energy Transmission	WECC-NWPP

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details		
			RC	Reedy Creek Improvement District	FRCC
			SMUD	Sacramento Municipal Utility District	WECC-CAMX
			SRP	Salt River Project	WECC-AZNMSNV
			SC	Santee Cooper	SERC
			SPC	SaskPower Grid Control Centre	MAPP
			SCL	Seattle City Light	WECC-NWPP
			SEC	Seminole Electric Cooperative	FRCC
			SPPC	Sierra Pacific Power Co. - Transmission	WECC-NWPP
			SCEG	South Carolina Electric & Gas Company	SERC
			SME	South Mississippi Electric Power Association	SERC
			SMEE	South Mississippi Electric Power Association	SERC
			SEHA	Southeastern Power Administration	SERC
			SERU	Southeastern Power Administration	SERC
			SETH	Southeastern Power Administration	SERC
			SOCO	Southern Company Services, Inc.	SERC
			SIPC	Southern Illinois Power Cooperative	MAIN
			SIGE	Southern Indiana Gas & Electric Co.	ECAR
			SMP	Southern Minnesota Municipal Power Agency	MAPP
			SWPP	Southwest Power Pool	SPP
			SPA	Southwestern Power Administration	SPP
			SPS	Southwestern Public Service Company	SPP
			SECI	Sunflower Electric Power Corporation	SPP
			TPWR	Tacoma Power	WECC-NWPP
			TEC	Tampa Electric Company	FRCC
			TVA	Tennessee Valley Authority ESO	SERC
			HUB	Trading Hub	N/A
			TLKN	TRANSLink Management Company	MAPP
			TEPC	Tucson Electric Power Company	WECC-AZNMSNV
			UPPC	Upper Peninsula Power Co.	MAIN
			NSB	Utilities Commission, City of New Smyrna Beach	FRCC
			MOWR	Westar Energy - MoPEP Cities	SPP
			WACM	Western Area Power Administration - CM	WECC-RMPA

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details																								
			<table border="1"> <tr> <td>WALC</td> <td>Western Area Power Administration - DSW</td> <td>WECC-AZNMSNV</td> </tr> <tr> <td>WAUE</td> <td>Western Area Power Administration - UGPR</td> <td>MAPP</td> </tr> <tr> <td>WAUW</td> <td>Western Area Power Administration - UGPR</td> <td>WECC-RMPA</td> </tr> <tr> <td>WFEC</td> <td>Western Farmers Electric Cooperative</td> <td>SPP</td> </tr> <tr> <td>WR</td> <td>Western Resources dba Westar Energy</td> <td>SPP</td> </tr> <tr> <td>WEC</td> <td>Wisconsin Energy Corporation</td> <td>MAIN</td> </tr> <tr> <td>WPS</td> <td>Wisconsin Public Service Corporation</td> <td>MAIN</td> </tr> <tr> <td>YAD</td> <td>Yadkin, Inc.</td> <td>SERC</td> </tr> </table>	WALC	Western Area Power Administration - DSW	WECC-AZNMSNV	WAUE	Western Area Power Administration - UGPR	MAPP	WAUW	Western Area Power Administration - UGPR	WECC-RMPA	WFEC	Western Farmers Electric Cooperative	SPP	WR	Western Resources dba Westar Energy	SPP	WEC	Wisconsin Energy Corporation	MAIN	WPS	Wisconsin Public Service Corporation	MAIN	YAD	Yadkin, Inc.	SERC
WALC	Western Area Power Administration - DSW	WECC-AZNMSNV																									
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WFEC	Western Farmers Electric Cooperative	SPP																									
WR	Western Resources dba Westar Energy	SPP																									
WEC	Wisconsin Energy Corporation	MAIN																									
WPS	Wisconsin Public Service Corporation	MAIN																									
YAD	Yadkin, Inc.	SERC																									
	Point of Receipt Specific Location	50/Char	<p>The following Valid Values are Required when HUB is selected for Point of Receipt Control Area. If HUB not selected, free form text is allowed.</p> <p>AEP (into) Cinergy (into) COB Comed (into) Entergy (into) Four Corners Mead Mid-C NEPOOL (Mass Hub) NOB NP15 Palo Verde PJM East Hub PJM West Hub SOCO (into) SP15 TVA (into) ZP26</p>																								
	Point of Delivery Control Area	50/Char	Valid Values: If the contract lists a Point of Delivery Control Area, it must be entered in this field. Use the Abbreviation from the List of Valid Values shown beginning on page 49.																								
	Point of Delivery Specific Location	50/Char	Valid Values are Required when HUB is selected for Point of Delivery Control Area. If HUB not selected, free form text is allowed. Use the list shown on page 54 of this Guide.																								
	Begin Date	14/Date/Time	Date/Time format. Format for manual entry is (MMDDYYYYHHMM). Format for .csv import is (YYYYMMDDHHMM).																								

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details
	End Date	14/ Date/Time	Date/Time format. Format for manual entry is (MMDDYYYYHHMM). Format for .csv import is (YYYYMMDDHHMM).
	Time Zone (R)	2/Char	Valid Values: AD - Atlantic Daylight AP - Atlantic Prevailing AS - Atlantic Standard CD - Central Daylight CP - Central Prevailing CS - Central Standard ED - Eastern Daylight EP - Eastern Prevailing ES - Eastern Standard MD - Mountain Daylight MP - Mountain Prevailing MS - Mountain Standard NA - Not Applicable PD - Pacific Daylight PP - Pacific Prevailing PS - Pacific Standard UT - Universal Time
Transaction Data	Transaction Unique Identifier (R)	24/Char	Alpha-numeric
	Transaction Begin Date (R)	14/ Date/Time	Date/Time format for manual entry is (MMDDYYYYHHMM). Date format for .csv import is (YYYYMMDDHHMM).
	Transaction End Date (R)	14/ Date/Time	Date/Time format for manual entry is (MMDDYYYYHHMM). Date format for .csv import is (YYYYMMDDHHMM)
	Time Zone (R)	2/Char	Valid Values: AD - Atlantic Daylight AP - Atlantic Prevailing AS - Atlantic Standard CD - Central Daylight CP - Central Prevailing CS - Central Standard ED - Eastern Daylight EP - Eastern Prevailing ES - Eastern Standard MD - Mountain Daylight MP - Mountain Prevailing MS - Mountain Standard NA - Not Applicable PD - Pacific Daylight PP - Pacific Prevailing PS - Pacific Standard

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details
			UT - Universal Time
	Point of Delivery Control Area (R)	50/Char	Valid Values: A Point of Delivery Control Area must be entered in this field. Use the Abbreviation from the List of Valid Values shown on Page 49 of this Guide.
	Point of Delivery Specific Location	50/Char	The following Valid Values are Required when HUB is selected for Point of Delivery Control Area. If HUB not selected, free form text is allowed. Use the list shown on page 54 of this Guide.
	Class Name (R)	4/Char	Valid Values: BA - Billing Adjustment F - Firm N/A - Not Applicable NF - Non-Firm UP - Unit Power Sale
	Term Name (R)	4/Char	Valid Values: LT - Long-Term N/A - Not Applicable ST - Short-Term
	Increment Name (R)	4/Char	Valid Values: D - Daily H - Hourly M - Monthly N/A - Not Applicable W - Weekly Y - Yearly
	Increment Peaking Name (R)	4/Char	Valid Values: FP - Full Period N/A - Not Applicable, Undefined OP - Off-Peak P - On Peak
	Product Name (R)	50/Char	Valid Values: BLACK START SERVICE BOOKED OUT POWER CAPACITY CUSTOMER CHARGE ENERGY ENERGY IMBALANCE FUEL CHARGE GRANDFATHERED BUNDLED NEGOTIATED RATE TRANSMISSION OTHER

Screen/Parent Element	Field/Data Element	Field Length / Data Type	Value/Details
			REACTIVE SUPPLY & VOLTAGE CONTROL REAL POWER TRANSMISSION LOSS REGULATION & FREQUENCY RESPONSE REQUIREMENTS SERVICE SCHEDULE SYSTEM CONTROL & DISPATCH SPINNING RESERVE SUPPLEMENTAL RESERVE
	Transaction Quantity (R)	17/Num	Numeric
	Price (R)	17/Num	Numeric
	Rate Units (R)	10/Char	Valid Values: \$/KV \$/KVA \$/KVR \$/KW \$/KW-DAY \$/KW-MO \$/KW-WK \$/KW-YR \$/KWH \$/MW \$/MW-DAY \$/MW-MO \$/MW-WK \$/MW-YR \$/MVAR-YR \$/MWH \$/RKVA CENTS CENTS/KVR CENTS/KWH FLAT RATE
	Total Transmission Charge (R)	17/Num	Numeric (0 = None)
	Total Transaction Charge (R)	17/Num	Numeric