ID (TEIS Use)	Business Name	Definition	Model Data Group	Bill Ready (BR)
AdjAmt	Adjustment Amount	A dollar amount representing an allowance or charge to the customer	Charge	C
AdjChgCredIr	Adjustment Charge or Credit Indicator	A code indicating whether the amount is a charge or a credit to the customer	Charge	NU
AdjInd	Adjustment Indicator	A code that identifies the existence of an adjustment in the invoice	Charge	**M**
ApplBudgetBi	Applicable budget billing information	Text used by the Non-Billing Party to inform the customer of the difference between the budget amounts paid and the accrued amount outstanding	AcctSum	MA
ApplTaxes	Applicable taxes	A taxable amount calculated by the Non-Billing Party and transmitted to the Billing Party for placement on the customer bill	AcctSum	C
ApplTxChgCr	Applicable Tax Charge or Credit Indicator	A code indicating whether the amount is a charge or a credit to the customer	AcctSum	NU
ApplTxInd	Applicable tax indicator	Used to indicate that taxes are included for Non-Billing Party charges	AcctSum	NU
BillActionCod	Bill Action Code	This is a code sent to the Billing Party that conveys instructions regarding the action to be taken by the Billing Party	Header	**M**
BillDate	Bill Date	The date the bill was or will be issued to the customer		??
BillNum	Bill Number	Unique number identifying this bill		??
BillCycle	Billing Cycle	Cycle on which the bill will be rendered. Cycle associated with account.		NU
BillDemand	Billing Demand			NU
BillingOption	Billing Option	Indicates which party is to calculate the customer's bill		**M**
BillingPartyDU	Billing Party Duns Number	Billing Party's DUNS Number or DUNS+4 Number		**M**
ChgCategory	Category of Charge	This is a code to indicate whether or not the charges are summarized at the account level		**M**
ChgDesc	Charge Description	Text description for line item charge that will print on the customer's bill		BP
ChgDueDate	Charge Due Date	Customer payment due date		C
ChgCredAmt	Charge or Credit Amount	Dollar amount (credit or debit) for the charge. If dollar amount is negative, the leading negative sign will be sent. If the dollar amount is positive, no leading sign is sent.		**M**
ChgCredAmtI	Charge or Credit Amount Due Date	Customer Payment Due Date		NU
ChgCredInd	Charge or Credit Indicator	A code indicating whether the Adjustment Amount is an allowance or a charge to the customer		C
XRefNum	Cross Reference Number	The cross-reference number originally transmitted with the usage information for use as a cross-matching tool		**M**
CurCustChg	Current Customer Charge	Charges associated with the current customer charge		NU
CurDemChg	Current Demand Charge	Charges associated with the current demand		NU
CurNonTOUC	Current Non-TOU Charge	Charges associated with the current billing of non-TOU		NU
CurOffPkChg	Current Off-Peak Charge	Charges associated with the current off-peak charge		NU
CurPkChg	Current Peak Charge	Charges associated with the current peak charge		NU

ServPerEnd	Current Service Period End	Service Period Ending Date		M
ServPerStart	Current Service Period Start	Service Period Starting Date		M
CurShoulderC	Current Shoulder Charge	Charges associated with shoulder period usage		NU
CurUsg	Current usage	Consumption or other "unit" for the charge		NU
CustAcctNum	Customer Account Number or SDID Number	Customer Account Number assigned by the Distribution Company		M
CustName	Customer Name	Customer Name		M
InvDate	Invoice date	The date the Non-Billing Party's invoice was generated		M
Invnumber	Invoice number	Unique number identifying this invoice		M
LtPayChg	Late payment charges	The charge rendered for late payment of Non-Billing Party charges		NU
NonBillPartyA	Non-Billing Party account number	A customer account number assigned by the Non-Billing Party		MA
NonBillPartyA	Non-Billing Party Arrears	A dollar amount representing the Non-Billing Party's balance excluding current charges		NU
NonBillPartyD	Non-Billing Party Duns number	Non-Billing Party DUNS number or DUNS+4 number		M
NonBillPartyP	Non-Billing Party Pricing Optio	Indicates the Non-Billing Party's additonal rate code description		NU
NonBillPartyR	Non-Billing Party Rate Code	Indicates the Non-Billing Party's rate code for a charge		NU
OffPkKWH	Off Peak Kilowatt-hour Usage	??		NU
OffPkKVA	Off Peak KVA Demand	??		NU
OffPkKW	Off Peak KW	??		NU
OffPkKWDem	Off Peak KW Demand	??		NU
OrigInvNum	Original Invoice Number	Original Invoice Number is the unique number assigned to the original bill		C
PkKWH	Peak Kilowatt-hour usage	Kilowatt-hour usage during peak hours		NU
PkKVA	Peak KVA Demand	Peak KVA demand during the billing period		NU
PkKWDeman	Peak KW Demand	Peak demand during the billing period		NU
PriMtrInd	Primary Metering Indicator	Indicates that the customer has primary metering		NU
ServAddr	Service address	Customer's service address that may not be the Customer's Billing Address		C
ServType	Service Type	Indicates type of service rendered		M
ShldKWH	Shoulder Kilowatt-hour Usage			NU
ShldKVA	Shoulder KVA Demand			NU
ShldKW	Shoulder KW Demand			NU
TotalBal	Total Balance	Customer total outstanding balance (previous period balance plus current charges, allowances or credits)		NU
TotalKWHNo	Total Kilowatt-hour usage (nor	Kilowatt-hour usage (non-TOU)		NU
NonBillPartyM	Text message by the Non-Billing Party	A text message the Non-Billing Party wants to appear on the customer's bill		MA
UsgHist12Mo	Twelve months usage history	Twelve individual monthly usage amounts that are placed on the bill so the customer may review historical usage patterns		C
UnitMeas	Unit of Measure	Unit of measure for quantity		C
UsgInd	Usage Indicator	Indicator distinguishes between estimated usage and actual usage		C
UtilRateCode	Utility Rate Code	Rate Code that indicates the billing rate		C

Rate Ready (RR)	Condition	Comments [Code Descriptions for Code Value Dictionary]
C	BR:Used by the Non-Billing Party when an adjustment amount is transmitted to the Billing Party for placement on the bill; RR:Used by the Billng Party when an adjustment amount is transmitted to the Non-Billing Party	
C	Used by the Billing Party when an adjustment amount is transmitted to the Non-Billing Party	
C		
NU		
C	BR: Used by the Non-Billing Party when a tax amount is transmitted to the Billing Party for placement on the bill; RR: Used by the Billing Party when a tax amount is transmitted to the Non-Billing Party	
C	Used when an Applicable Tax Indicator is Yes	
M		[Yes,No]
M		
M	??same as InvDate	
M	??same as InvNum	
M		
MA		
M		
M		
M		
MA		
NU	Mandatory if Billing Option code of "S"	
NU		
MA		
??same as above?	BR:Used by the Non-Billing Party when an adjustment amount is transmitted to the Billing Party for placement on the bill	
MA	??why? How do you tie to payments? Or usage?	
MA		
MA		
MA		
MA		
MA		

M		
M		
MA		
M		
M		
M		
??	Same as Bill date	
??	Same as Bill Num	
C	Sent to Billing Party only if a late payment charge is appropriate	
BC		
MA		
M		
MA		
M		
MA		
MA		
MA		
MA		
C	When a bill is cancelled and re-billed, the Original Bill Number is used as a trace number for the receiver	
MA		
MA		
MA		
MA		
NU	BR:Mandatory if Billing Option code of "S"	
M		
MA		
MA		
MA		
MA		
MA		
MA	??BC	
NU	BR:Used when the Distribution Company is required to place usage history on the customer's bill	
M	BR:Mandatory if Billing Option code of "S"	
M	BR:Mandatory if Billing Option code of "S"	
M	BR:Mandatory if Billing Option code of "S"	

Transaction Metadata

NAESB-Book:	??	
Quadrants:	REQ	RGQ
Transaction:	Invoice	
Flavors:	Bill Ready	Rate Ready
Flavor-Codes:	BR	RR
Formats:	ANSI X12	XML
Format-Codes:	810	Invoice

Worksheet Legend:

Meta	Meta-data for transaction set(s)
Data Dictionary	Per NAESB standards
Code Values	Table used to generate NAESB code values table
X12xRef	X12 Cross Reference to NAESB data elements
X12Sample	Sample X12 Transactions
X12Tables	??

Code	Code Value	Code Value Description	Code Value Definition
Adjustment Indicator Code		Yes	
Adjustment Indicator Code		No	
Bill Action Code		Memorandum	
Bill Action Code		Original	
Bill Action Code		Cancellation	
Bill Action Code		Reversal	
Bill Action Code		Reissue	
Bill Action Code		Memorandum	
Bill Action Code		Final Bill	
Billing Option		Utility Consolidated	
Billing Option		Supplier Consolidated	
Billing Option		Dual	
Category of Charge		Yes	
Category of Charge		No	
Charge Description		KW	
Charge Description		KWH	
Charge Description		Therms	
Charge Description		CCF	
Charge Description		MCF	
Charge Description		Late Payment Charge	
Charge Description		Non-energy Charge	
Charge or Credit Indicator		Allowance	
Charge or Credit Indicator		Charge	
Charge or Credit Indicator		No Charge	
Service or Type		Electric	
Service or Type		Gas	
AdjChgCredInd		Charge	
AdjChgCredInd		Credit	
ApplTxChgCredInd		Charge	
ApplTxChgCredInd		Credit	
ApplTxInd		Yes	
ApplTxInd		No	

Level	Segment	Usage	NAESB Data Element Name
Heading	ST	M	Transaction Set Header
Heading	BGN	M	Transaction Status Code
Heading	III	C	Validation Code
Heading	III	SO	Validation Message
Heading	N1	M	Service Requester
Heading	N1	M	Transportation Service Provider
Detail	N9	C	Reference Identification segment
Detail	DTM	C	Beginning Date
Detail	DTM	C	Beginning Time
Detail	DTM	C	Ending Date
Detail	DTM	C	Ending Time
Detail	CS	C	Service Requester Contract
Detail	III	C	Validation Code
Detail	III	SO	Validation Message
Sub-detail	SLN	C	Nominator's Tracking ID
Sub-detail	REF	MA	Service Provider's Activity Code
Sub-detail	III	C	Validation Code
Sub-detail	III	SO	Validation Message
Sub-detail	SE	M	Transaction Set Trailer

Segment	01	02	03	04	05	06	07	08
ST	874	12345678						
BGN	27	1	19960123				V2	EZ
N1	SJ		1	3.58E+08				
N1	78		1	4.79E+08				
N9	2H	531246						
DTM	7				RDT	199602010900-199602020900		
CS				KSR	K1234			
III	VAL	WNMQR300						
SE	9	12345678						

Level	Segme	Usage-BR	Usage-RR	NAESB Data Element Name	FREDI Data Elem	X12 Segme
Header	ST	M	M			Transactior
Header	BIG	M	M			Beginning S
Header	NTE	SO	SO	??	ADD=Required M	Note/Speci
Header	NTE	SO	SO	NonBillPartyMsg	OTH=Regulatory	Note/Speci
Header	REF	SO	BC	NonBillPartyAcctNum	11=ESP Account	Reference
Header	REF	BC	BC	CustAcctNumSDID	12=LDC Account	Reference
Header	REF	BC	BC	??	45=LDC Old Acc	Reference
Header	REF	M	M	??	BF=LDC Bill Cycl	Reference
Header	REF	M	M	??	BLT=Billing Type	Reference
Header	REF	C	C	OrigInvNum	OI=Original Invoi	Reference
Header	REF	M	M	BillingOption	PC=Bill Calculato	Reference
Header	REF	BC	BC	CustAcctNumSDID	Q5=Service Deliv	Reference
Header	N1	M	M	BillPartyDUNS*	8S=LDC Name	Name
Header	N1	M	M	NonBillPartyDUNS*	SJ=ESP Name	Name
Header	N1	M	M	CustName	8R=Customer Na	Name
Header	ITD	M	M			Terms of S
Detail-RR	BAL	NU	M	??	P*YB=Previous B	Balance De
Detail-RR	BAL	NU	M	??	M*J9=Balance pr	Balance De
Detail-RR	BAL	NU	M	??	M*YB=Balance at	Balance De
Detail-RR	BAL	NU	M	??	Y*YB=Deferred P	Balance De
Detail-Account	IT1	BC	BC		IT109=ACCOUNT	Baseline Ite
Detail-Account	TXI	BC	BC	ApplTaxes*		Tax Informa
Detail-Account	PID	BC	BC			Product/Iter
Detail-Account	DTM	BC	BC	??	150=Service Peri	Date/Time
Detail-Account	DTM	BC	BC	??	151=Service Peri	Date/Time
Detail-Account	SLN	BC	BC			Subline Iter
Detail-Account	SAC	BC	BC			Service, Pr
Detail-SDID	IT1	BC	BC		IT109=SDID loop	Baseline Ite
Detail-SDID	DTM	BC	BC	??	150=Service Peri	Date/Time
Detail-SDID	DTM	BC	BC	??	151=Service Peri	Date/Time
Detail-SDID	SLN	BC	BC			Subline Iter
Detail-SDID	SAC	BC	BC			Service, Pr
Detail-Rate	IT1	BC	BC		IT109=RATE Loo	Baseline Ite
Detail-Rate	REF	BC	BC	UtilRateCode	NH=LDC Rate Cl	Reference
Detail-Rate	REF	BC	BC	??	PR=LDC Rate Su	Reference
Detail-Rate	REF	BC	BC	??	RB=ESP Rate Cc	Reference
Detail-Rate	DTM	BC	BC	??	150=Service Peri	Date/Time
Detail-Rate	DTM	BC	BC	??	151=Service Peri	Date/Time
Detail-Rate	SLN	BC	BC			Subline Iter
Detail-Rate	SAC	BC	BC			Service, Pr
Detail-Meter	IT1	BC	BC		IT109=METER lo	Baseline Ite
Detail-Meter	REF	BC	BC	??	MG=Meter Numb	Reference
Detail-Meter	DTM	BC	BC	??	150=Service Peri	Date/Time
Detail-Meter	DTM	BC	BC	??	151=Service Peri	Date/Time
Detail-Meter	SLN	BC	BC			Subline Iter
Detail-Meter	SAC	BC	BC			Service, Pr
Detail-Unmet	IT1	BC	BC		IT109=UNMET lo	Baseline Ite
Detail-Unmet	DTM	BC	BC	??	150=Service Peri	Date/Time
Detail-Unmet	DTM	BC	BC	??	151=Service Peri	Date/Time
Detail-Unmet	SLN	BC	BC			Subline Iter

Detail-Unmet	SAC	BC	BC	Service, Pr
Header	TDS	M	M	Total Mone
Header	CTT	M	M	Transactior
Header	SE	M	M	Transactior

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