Segment: **REF** Reference Identification (Portion Taxed Residential)

Position:	030	
Loop:	LIN	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Dependent)	
Max Use:	1	
Purpose:	To specify identifying information	
Syntax Notes:	1	At least one of REF02 or REF03 is required.
	2	If either C04003 or C04004 is present, then the other is required.
	3	If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1	REF04 contains data relating to the value cited in REF02.
Notes:	Enrollment Requests:	Conditional
	Enrollment Accept Responses:	Optional
	Other Requests/Responses:	Not Used

Where required by the utility in its Utility Maintained EDI Guide, this segment must be sent on Requests to the utility when (1) the bill option requested is Utility rate ready consolidated billing, and (2) the account being enrolled is a non-residential account but a portion of the account is taxed at a residential rate. This segment may be returned by the Utility in an Accept Response.

REF~RP~20

REF~RP~25

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M ID 2/3**
			RP	Repetitive Pattern Code	
				Portion Taxed Residential The value sent in REF02 indicates the portion of the non-residential account being enrolled that is taxed at a residential rate.	
Must Use	**REF02**	**127**	**Reference Identification**		**X AN 1/30**
			The following codes are to be used:		
			20	- 10 % Residential Use	
			21	- 20% Residential Use	
			22	- 30% Residential Use	
			23	- 40% Residential Use	
			24	- 50% Residential Use	
			25	- 60% Residential Use	
			26	- 70% Residential Use	
			27	- Residential Use is 75% or greater	

Segment: AMT **Monetary Amount [Customer's Tax Rate for ESCO Charges - 1)**

Position:	060	
Loop:	LIN	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Dependent)	
Max Use:	1	
Purpose:	To indicate the total monetary amount	
Syntax Notes:		
Semantic Notes:		
Notes:	Enrollment Requests:	Conditional
	Enrollment Accept Responses:	Conditional
	Other Requests/Responses:	Not Used

Where supported by a utility, this~~This~~ segment may be sent in a Request when the bill option for the customer being enrolled is Utility Rate Ready consolidated billing and the utility requires the ESCO to provide the tax rate via EDI at the time of enrollment. This segment ~~should~~ may be returned on an Accept Response if sent in the Request.

In its Utility Maintained EDI Guide, the utility will indicate:

- If it supports the AMT*9M segment and if so, whether and how it is supported in conjunction with the AMT*9N and/or REF*RP segments;
- ~~When~~ If the AMT*9N and REF*RP segments are both supported by the utility, a portion of the service is taxed at a residential rate (see REF*RP segment), the residential tax rate should be provided in this AMT segment and the commercial tax rate applicable to the remaining portion of the service should be transmitted in the AMT*9N segment.
- Whether in lieu of supporting the AMT*9N and/or REF*RP segments, the utility supports use of a composite tax rate to compute the applicable tax amount associated with the ESCO charges.

AMT~9M~.0325

Data Element Summary

	Ref. Des.	**Data Element**	**Name**	**Attributes**
Mand.	**AMT01**	**522**	**Amount Qualifier Code**	**M ID 1/3**
			9M Tax Adjustments	
			The rate in AMT02 is the tax rate that should be used by the utility to calculate tax amounts associated with the ESCOs charges when the customer's bill option is Utility Rate Ready consolidated billing.	
Mand.	**AMT02**	**782**	**Monetary Amount**	**M R 1/18**
			This element is a real number. See Front Matter Notes regarding the syntax for real numbers.	

Segment:	**AMT** Monetary Amount [Customer's Tax Rate for ESCO Charges - 2)
Position:	060
Loop:	LIN Optional (Must Use)
Level:	Detail
Usage:	Optional (Dependent)
Max Use:	1
Purpose:	To indicate the total monetary amount
Syntax Notes:	
Semantic Notes:	
Notes:	

Enrollment Requests: Conditional
Enrollment Accept Responses: Conditional
Other Requests/Responses: Not Used

Where supported by a utility, ~~This~~ this segment is sent in a Request to provide the commercial tax rate applicable to a portion of the customer's service when (1) the bill option for the customer being enrolled is Utility Rate Ready consolidated billing, and (2) the utility requires the ESCO to provide the tax rate via EDI at the time of enrollment.
In its Utility Maintained EDI Guide, the utility will indicate:
•   If it supports the AMT*9N segment and if so, whether and how it is supported in conjunction with the AMT*9M and/or REF*RP segments;
•   If the AMT*9N and REF*RP segments are both supported by the utility, ~~and (3)~~ a residential tax rate applies to a portion of the customer's service (see REF*RP) and the balance is taxed at a commercial rate.
•   Whether in lieu of supporting the AMT*9M and/or REF*RP segments, the utility supports use of a composite tax rate to compute the applicable tax amount associated with the ESCO charges.
This segment ~~should~~ may be returned on an Accept Response if sent in the Request.
AMT~9N~.045

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	**AMT01**	**522**	**Amount Qualifier Code**		**M ID 1/3**
			9N	Tax Balance	
			The rate in AMT02 is the tax rate that should be used by the utility to calculate tax amounts associated with the ESCOs charges applicable to the portion of the customer's service taxed at a commercial rate.		
Mand.	**AMT02**	**782**	**Monetary Amount**		**M R 1/18**
			This element is a real number. See Front Matter Notes regarding the syntax for real numbers.		

Segment:REF Reference Identification (Portion Taxed Residential)

Position:	030
Loop:	LIN Optional (Must Use)
Level:	Detail
Usage:	Optional (Dependent)
Max Use:	1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Notes:	Utility Request: Conditional
	ESCO Response: Not Used
	ESCO Request: Conditional
	Utility Response: Not Used

Where required by a utility in its Utility Maintained EDI Guide, this segment must be sent to the utility when there has been a change in the portion of a non-residential account that is taxed at a residential rate AND the customer's bill option is Utility Rate Ready consolidated billing.

REF~RP~20
REF~RP~25

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M ID 2/3**
			RP Repetitive Pattern Code		
			Portion Taxed Residential		
			Percent of a Non-Residential account that should be considered residential for tax purposes.		
Must Use	**REF02**	**127**	**Reference Identification**		**X AN 1/30**
			The following codes are to be used:		
			20 Split Rate 10% Residential use		
			21 Split Rate 20% Residential use		
			22 Split Rate 30% Residential use		
			23 Split Rate 40% Residential use		
			24 Split Rate 50% Residential use		
			25 Split Rate 60% Residential use		
			26 Split Rate 70% Residential use		
			27 Split Rate 75% or above Residential use		

Segment: ## AMT Monetary Amount(Customer's Tax Rate for ESCO Charges -1)

Position:	060
Loop:	LIN Optional (Must Use)
Level:	Detail
Usage:	Optional (Dependent)
Max Use:	1
Purpose:	To indicate the total monetary amount
Syntax Notes:	
Semantic Notes:	
Notes:	

ESCO Request: Conditional
ESCO Response: Not Applicable

Utility Request: Not Used
Utility Response: Optional

Utility Rate Ready Consolidated Billing Only.

In its Utility Maintained EDI Guide, the utility will indicate if it supports the AMT*9M segment and if so, whether and how it is supported in conjunction with the AMT*9N and REF*RP segments.
Where supported:
- This segment is sent by an ESCO to report a change in the customer's tax rate for all service on the account or for the portion of the service taxed at a residential rate when a REF*RP segment was present in the Enrollment Request transaction.
- This segment is sent by an ESCO to report a change in the composite tax rate to compute the applicable tax amount associated with the ESCO charges.

The tax rate change may be echoed back on the Utility Accept Response transaction, at the option of the Utility, to confirm a tax rate change.

AMT~9M~.045

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	AMT01	522	Amount Qualifier Code	M ID 1/3
			9M Tax Adjustments	
			The rate in AMT02 is the tax rate that should be used by the utility to calculate tax amounts associated with the ESCOs charges when the customer's bill option is Utility Rate Ready consolidated billing.	
Mand.	AMT02	782	Monetary Amount	M R 1/18
			For percentage values, the whole number "1" will represent 100 percent; decimal numbers less than "1" represent percentages.	

Segment:	**AMT** Monetary Amount(Customer's Tax Rate for ESCO Charges -2)
Position:	060
Loop:	LIN Optional (Must Use)
Level:	Detail
Usage:	Optional (Dependent)
Max Use:	1
Purpose:	To indicate the total monetary amount
Syntax Notes:	
Semantic Notes:	
Notes:	

ESCO Request: Conditional
ESCO Response: Not Applicable

Utility Request: Not Used
Utility Response: Optional

Utility Rate Ready Consolidated Billing Only.
In its Utility Maintained EDI Guide, the utility will indicate if it supports the AMT*9N segment and if so, whether and how it is supported in conjunction with the AMT*9M and REF*RP segments.
Where supported:

- This segment is sent by an ESCO to report a change in the customer's tax rate for that portion of the customer's service that is being taxed at a commercial rate when a REF*RP segment was present in the Enrollment Request transaction.
- This segment is sent by an ESCO to report a change in the composite tax rate to compute the applicable tax amount associated with the ESCO charges.

The tax rate change may be echoed back on the Utility Accept Response transaction, at the option of the Utility, to confirm a tax rate change.

AMT~9N~.075

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**AMT01**	522	**Amount Qualifier Code**	M ID 1/3
			9N Tax Balance	
			The rate in AMT02 is the tax rate that should be used by the utility to calculate tax amounts associated with the ESCOs charges applicable to the portion of the customer's service taxed at a commercial rate.	
Mand.	**AMT02**	782	**Monetary Amount**	M R 1/18
			For percentage values, the whole number "1" will represent 100 percent; decimal numbers less than "1" represent percentages.	

Segment:	**REF** Reference Identification (Reason for Change - Account Level)
Position:	030
Loop:	LIN Optional (Must Use)
Level:	Detail
Usage:	Optional (Dependent)
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Notes:	Request: Conditional
	Response: Optional
	This segment is used to identify the data segment(s) sent at the account level that are being changed. See page 48 of this Implementation Guide for a description of the codes used to identify a change in the data segment(s) sent at the meter level.
	REF~TD~N18R

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			TD	Reason for Change	
Must Use	**REF02**	**127**	**Reference Identification**	**X**	**AN 1/30**
			AMT9M	Change Customers' Tax Rate 1	

Utility Rate Ready Consolidated Billing Only.
Used to report a change in the customer's tax rate when the utility is calculating ESCO charges.
The 9M code ~~should~~ may also be used to report a change in the residential tax rate applicable to a portion of the service (i.e. a REF*RP was present in the Enrollment transaction) when URR billing is in effect.
The AMT9N code ~~should~~ may be used to report a change in the portion of the account taxed at a commercial rate.

			AMT9N	Change Customers' Tax Rate 2	

Utility Rate Ready Consolidated Billing Only.
This code ~~should only~~ may be used to report a change in the customer's tax rate applicable to the portion of the service taxed at a commercial rate in instances when part of the service is taxed at a residential rate and the balance at a commercial rate (i.e. REF*RP was present in the Enrollment transaction). The AMT9M code ~~should~~ may be used to report a change in the residential tax rate on that account.

			AMTB5	Change ESCO Budget Plan Installment Amount	

Supported only if indicated within a utility's Utility Maintained EDI Guide.

			AMTBD	Change ESCO Budget Plan Balance	

Supported only if indicated within a utility's Utility Maintained EDI Guide.

			AMTDP	Change Percentage of Service Tax Exempt	

AMTFW	Change ESCO Fixed Charge
AMTKZ	Change ICAP
	ELECTRIC Service Only.
AMTRJ	Change ESCO Commodity Price
DTM007	Change Effective Date
DTM150	Change Service Period Start Date
	Enrollment is pending. This code is used by the Utility to report a change in the Assigned Service Start Date.
DTM151	Change Service Period End Date
	A Drop is pending. This code is used by the Utility to report a change in the Assigned Service End Date.
N18R	Change Name or Service Address
	Use this code when the name on the account is being changed and/or a change of service address is being reported.
N1BT	Change Name for Mailing or Mailing Address
	Use this code when the name for mailing and/or the mailing address is being changed.
PERIC	Change Information Contact Information
	Use this code when reporting a change in the Customer's Telephone Number in an N1 (Customer) or N1 (Name for Mailing) Loop.
REF11	Change ESCO Customer Account Number
REF12	Change Utility Account Number
REF65	Change Meter Read Cycle
REFBF	Change Bill Cycle
REFBLT	Change Billing Type (Bill Presenter)
REFGC	Change Gas Capacity Assignment/Obligation
	GAS Service Only
REFIJ	Change Industrial Classification Code
REFLF	Change ESCO Late Fee Policy
	Supported only if indicated within a utility's Utility Maintained EDI Guide.
REFNR	Change Current Budget Billing Status
REFPC	Change Party that Calculates the Bill (Bill Calculator)
REFPGC	Change Partial Participation Portion
REFRP	Change Portion Taxed Residential
REFSG	Change Utility Discount Indicator
REFSPL	Change ISO LBMP Zone
	ELECTRIC Service Only
REFSU	Change Special Processing Code
	Use this code to report a change in the Customer's Life Support status (Single Retailer Model)
REFTDT	Change Account Settlement Indicator
REFTX	Change Utility Tax Exempt Status
REFVI	Change Gas Pool ID
	GAS Service Only
REFYP	Change NYPA Discount Indicator