Utility Rate Ready Model – Assistance Program Participant Credit ("APP Credit") Options:

1. ESCO provides APP Credit to Utility via limited implementation of 810 UBR Transactions.
    a. The utility would have to support an Inbound 810 Transaction.

2. ESCO provides APP Credit to Utility via web page/portal on a per customer basis.

3. The utility could calculate the APP Credit for the ESCO.
    a. The ESCO would have to notify the utility which customers and applicable timeframe.

4. Use of 814 C / 810 URR Transactions.
    - ESCO sends 814 Change with new segment AMT*7 (Assistance Program Participation Credit) and Reason for Change AMT7.
        - Example: AMT*7*2.15 indicates that the utility needs to provide a credit of $2.15.

    - Utility applies the credit to the next customer's bill and notes the amount in the 810 Rate Ready with SAC04 = CRE030.
        - Example: SAC~C~~EU~CRE030~215~~2.15~EA~1~~~~Assistance Program Participation Credit

    - In the event that the 814 Change is not sent in time (i.e., the customer is inactive with that ESCO or the 814 is not received in time to place the charge on the last bill), the Utility would send the 814 Change Reject Response with new code 008 - Account Inactive or Pending Inactive. The ESCO would be responsible for reimbursing the customer directly.

Under each of the above scenarios, are there new transactions that would support ESCO APP Credit calculations?

Segment: **AMT** **Monetary Amount (Assistance Program Participation Credit)**
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
Utility Request: Not Used
Responses: Not Used

The Order Granting and Denying Petitions for rehearing in Part (issued and effective 2/6/2015) states, "ESCOs have no obligation to serve any customer, however, when an ESCO serves an Assistance Program Participant, the ESCO must satisfy at least one of two conditions. The ESCO must guarantee that the customer will pay no more, on an annual basis, than the customer would have paid as a full service customer of the utility, or the ESCO must provide Assistance Program Participants with energy-related value-added products or services."

This segment must be sent by the ESCO when a credit is necessary to be included on a Rate Ready Consolidated customer bill. This segment would only be sent when the ESCO has charged the customer more than what the utility would have and the ESCO is required to provide a credit to the customer.

The utility will use this segment to apply a one-time credit to the customer's bill. This credit will be reflected in the 810 that is send to the ESCO for the period where the credit was applied.

The 814 Change must be sent to the utility at least 4 business days prior to the scheduled meter read date in order to be included in the rate ready calculation for that bill period. In the event the 814 Change is not sent in time, and the customer is inactive or pending inactive for that ESCO, the Utility will reject the 814 Change and the ESCO is responsible for directly reimbursing the customer.

AMT~7~2.15

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	**AMT01**	**522**	**Amount Qualifier Code**		**M ID 1/3**
			7	Discount Amount Due Assistance Program Participation Credit	
Mand.	**AMT02**	**782**	**Monetary Amount**		**M R 1/18**
			Assistance Program Participation Credit shown as a positive amount. For example, if the customer is owed a credit of $2.15, the ESCO would send AMT~7~2.15.		

Segment:	**REF** **Reference Identification (Reject Response Reasons)**
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: Not used Reject Response: Required Other Responses: Not Used This segment is required when the transaction is a Response transaction (BGN01=11) and the action or status is Reject (ASI01=U) in order to describe the reason that a change request has been rejected. REF~7G~C11

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			7G	Data Quality Reject Reason Reject reasons associated with a reject status notification.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			008	Account Inactive or Pending Inactive If used to reject AMT7 (Assistance Program Participation Credit) the supplier is responsible for directly reimbursing the customer.		
			A13	Other (REF03 required)		
			A76	Account not found (this includes inactive account numbers as well as no account number found)		
			A91	Account does not have service requested		
			API	Required information missing (REF03 Required)		
			C11	Change reason (REF*TD) missing or invalid		
			FRB	Incorrect billing option (REF*BLT) requested		
			FRC	Incorrect bill calculation type (REF*PC) requested		
			M76	Meter Number Invalid or Not Found		
			W05	Requested rate not found		
Cond.	**REF03**	**352**	**Description**		**X**	**AN 1/80**
			Used to provide explanatory text for an A13 or API reject code.			

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**
			AMT7	Change Assistance Program Participation Credit Utility Rate Ready Consolidated Billing Only. Used to report a credit to the customer's account when the ESCO has charged the customer more than what the utility would have and the ESCO is required to provide a credit to the customer. The Utility will include this one-time credit on the customer's next bill.	
			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 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 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 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 be used to report a change in the residential tax rate on that account.	

Segment: **SAC Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)**
Position: 230
Loop: SLN Optional (Dependent)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:
1 At least one of SAC02 or SAC03 is required.
2 If either SAC03 or SAC04 is present, then the other is required.
3 If either SAC06 or SAC07 is present, then the other is required.
4 If either SAC09 or SAC10 is present, then the other is required.
5 If SAC11 is present, then SAC10 is required.
6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7 If SAC14 is present, then SAC13 is required.
8 If SAC16 is present, then SAC15 is required.

Semantic Notes:
1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2 SAC05 is the total amount for the service, promotion, allowance, or charge.
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
3 SAC08 is the allowance or charge rate per unit.
4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
7 SAC16 is used to identify the language being used in SAC15.

Comments:
1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: Conditional

Each SLN Loop being sent must contain both an SLN segment and an SAC segment.

Each SAC segment will contain the amount and description for a single charge or adjustment that was presented on the current month's bill.

SAC~N~~GU~BUD001~5900~~~59.00~MO~1~~~~~BUDGET PLAN MONTHLY PAYMENT

SAC~N~~EU~BUD002~12501~~125.01~EA~1~~~~BUDGET SETTLEMENT AMOUNT

SAC~C~~EU~LPC001~1500~~15.00~MO~1~~~~LATE FEE FLAT CHG

SAC~C~~EU~LPC001~1000~~.10~DO~100~~~~CALCULATED LATE FEE (.10 x Outstanding Balance of $100 = $10)

	Ref. Des.	Data Element	Name		Attributes
Mand.	**SAC01**	**248**	**Allowance or Charge Indicator**		**M ID 1/1**
			C	Charge	
			N	No Allowance or Charge The amount in the SAC05 will be ignored when summing the invoice total in TDS01. This code is commonly used to convey Budget Bill charges and Budget Bill Settlement amounts.	
Must Use	**SAC03**	**559**	**Agency Qualifier Code**		**X ID 2/2**
			EU	Electric Utilities	
			GU	Natural Gas Utilities	
Must Use	**SAC04**	**1301**	**Agency Service, Promotion, Allowance, or Charge Code**		**X AN 1/10**
			Required SAC04 codes are sent to describe charges/adjustments sent in the SAC05 element.		
			ADJ002	Adjustment	
			BAS001	Customer Charge	
			BAS002	Special Billing Charge	
			BUD001	Current Budget Billing Charge Code indicating SAC05 contains monthly budget charges. When used, SAC01 must equal 'N' for no charge.	
			BUD002	Budget Billing Settlement Code indicating SAC05 contains budget settlement/cancellation amount. When used, SAC01 must equal 'N' for no charge.	
			CRE001	Credit	
			CRE030	Assistance Program Participant Credit	
			ENC001	Energy Charge	
			LPC001	Late Payment Charge Late fees will not be communicated for the Purchase Receivables method but will be communicated in the Invoice transaction when the Pay-As-You-Get-Paid method is being used. The code 'LPC001' may be sent to describe either a late fee flat charge amount or late fees that are calculated as a percentage of the outstanding balance. When both a flat charge and a calculated late fee have been assessed on the same account, the flat charge will be sent in one SAC segment and the calculated amount will be sent in a second SAC segment but the SAC04 element will contain 'LPC001' in both segments. The values sent in the SAC08 and SAC10 elements will be used to distinguish the late fee flat charge from the calculated late fee amount. (Refer to the examples in the SAC segment notes or the sample transactions appended to this Implementation Guide). When late fees have been forgiven on the	

	ESCO/Marketer's portion of the bill, the SAC04 element will contain 'LPC001' but the amount in SAC05 will be preceded by a minus (-) sign.
ODL002	Street Lighting
RTC001	Returned Check Charge