814C/E Change Logic
8/2/2019

Question: Is there a reason for Community DG a binary Y/N indicator is proposed while for net metering there is one indicator NETMETER?

Response: The only reason the NETMETER concept is not using a simple Y/N is because Pennsylvania created a "standard" that at least 25 utilities are using so there's a desire to be consistent. In hind sight, it was a poor decision because it adds complexity to "remove" a net meter identifier. Instead of just using a single field, the utility is required to use two fields on the 814 Change transaction to identify whether the net meter indicator is be added or deleted.

Enrollment Logic:

- If REF*KY*NETMETER is present, the account has on-site generation.
- If REF*KY*NETMETER is not present, the account does not have on-site generation.

Change Logic:

- If REF*KY*NETMETER is present, then
  - o Determine value sent in REF03 of REF*TD*REFKY
    - If "A" (REF*TD*REFKY*A) then generation is being added to the account
    - If "D" (REF*TD*REFKY*D) then the account no longer has generation

Usage Logic follows the same as Enrollment Logic:
- If REF*KY*NETMETER is present, the account has on-site generation.
- If REF*KY*NETMETER is not present, the account does not have on-site generation.
- Note the Historical Usage only provides a single identifier at the time the HU is created, it does not provide a history of whether generation was on the account.

Whereas, if a simple Y/N was used (like the Community Distributed Generation), there wouldn't be such complexity.

Next Step:

Document this process in the implementation guide so that everyone understands. Unfortunately, many utilities implemented the simple REF*KY*NETMETER but have not implemented a way to update it, making the value somewhat unreliable.

814 Change to Add Net Metering	814 Change to Remove Net Metering
ST*814*0001	ST*814*0001
BGN*13*201903010723485674073657098206*20190301	BGN*13*201903010723485674073657098206*20190301
N1*8S*UTILITY NAME*1*111111111**41	N1*8S*UTILITY NAME*1*111111111**41
N1*SJ*SUPPLIER NAME*1*111111111**40	N1*SJ*SUPPLIER NAME*1*111111111**40
N1*8R*CUSTOMER NAME	N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE	LIN*1*SH*EL*SH*CE
ASI*7*001	ASI*7*001
REF*12*1235467890	REF*12*1235467890
REF*TD***REFKY***A	REF*TD***REFKY***D
REF*KY***NETMETER**	REF*KY***NETMETER**
DTM*152*20190301	DTM*152*20190301
SE*12*0001	SE*12*0001