

EnergyIP 8

NorthStar-EnergyIP Meter Setup

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NORTHSTAR EnergyIP METER SETUP

When setting up an AMI meter the important fields are:

- 1) Correct AMI meter type
- 2) Correct pulse flag setting
- 3) Correct subgroup/profile used. The profile used to install the meter should be the same as the subgroup setup on the meter after the install.

Subgroup/Profile

The subgroup and profile define what billing units are returned from energyIP and ultimately what meter positions will be populated with reads during the meter reading process. Meter positions for AMI meters require a time band to properly receive reads in from energyIP. The best way to assign the proper meter positions and time bands is to use a meter profile that matches each subgroup.

The subgroup is used during the processing of a flexsync file to assign the proper data delivery service (DDS) and measurement profile to the service delivery point in energyIP. The DDS defines the billing rules and the DDS measurement profile defines the billing units to be returned in a billing response.

The NorthStar Pulse Flag should be set to Y for usage and N for register metering.

SUBGROUP	DESCRIPTION	METER POSITIONS	NORTHSTAR PULSE FLAG
00000G	RR Cumulative Gallons	1	N
00000F	RR Cumulative Cubic Feet	1	N
10	KWH - NO TOU	1	N
11	KWH - TOU, usage-based	2	Y
12	KWH - NET METERING - NO TOU	2	N
13	KWH – NET METERING (DEL & REC) - TOU, usage-based	4	Y



14	KWH - (DEL & REC), Register, KW	8	N
21	kWh – TOU, register reads	2	N
22	kWh – TOU from a register, kW from LP	4	N
40	KWH, KW - NO TOU	2	N
41	KWH, KW – TOU, usage-based	4	Y
43	KWH, KW – NET METERING (DEL & REC) - TOU, usage-based	8	Y
61	KWH, KW, KVARH - TOU, usage-based	6	Y
95	VIRTUAL KWH - TOU, usage-based (not used in EIP 8)	4	Y
96	VIRTUAL KWH, KVARH - TOU, usage-based (not used in EIP 8)	6	Y

Subgroup/Profile with Framing Structure 01-19 Data from EnergyIP

SUBGROUP PROFILE								
10	KWH Usage BC							
11	KWH On Peak Usage BC	KWH Off Peak Usage BC						
12	KWH Usage DL	KWH Usage RC						

13	KWH On Peak Usage BC	KWH Off Peak Usage BC	KWH Received On Peak Usage BC	KWH Received Off Peak Usage BC				
21	KWH On RR BC	KWH Off RR BC						
22	KWH On RR BC	KWH Off RR BC	KW On Peak Usage BC	KW Off Peak Usage BC				
40	KWH Usage BC	KW Demand BC						
41	KWH On Peak Usage BC	KWH Off Peak Usage BC	KW On Peak Demand BC	KW Off Peak Demand BC				
43								
61	KWH On Peak Usage BC	KWH Off Peak Usage BC	KW On Peak Demand BC	KW Off Peak Demand BC	KVARH On Peak Usage BC	KVARH Off Peak Usage BC	KVAR On Peak Demand BC	KVAR Off Peak Demand BC

Subgroup with Framing Structure 20

SUBGROUP/PROFILE	BILL TYPE	DESCRIPTION		
10	1 KWH		KWH RR Cum BC	
12	1 KWH		KWH RR DEL	KWH RR REC
40 (Sensus only)	4 KWH		KWH RR Cum BC	KW Demand BC

NorthStar Meter Types & AMI Mapping

The meter type select in NorthStar identifies the AMI type, ultimately configuring the type and number of channels that are setup in energyIP. For available meter types and AMI numbers see the [Meters and Channels Measurement Mapping](#) document located on the WPPI Energy website.