



## Federal Energy Regulatory Commission Survey on Advanced Metering Infrastructure

Please note that the information submitted through this survey instrument must be completed in one session.

**Q1** What is your Company's EIA ID number? [Note - If your company does not have an EIA ID number, use the number assigned to your company in the letter/e-mail from FERC in lieu of the EIA ID number.]

**Q2** What is your company's password?

**Q3** What is the name of your operating company?

Please note that individual survey forms will need to be completed for each state in which your company owns or operates billing and revenue meters.

**Q4** What state is the response data associated with?

**Q5 Please select the Regional Council(s) within the North American Electric Reliability Council (NERC) region for the state that you are providing the advanced metering information.**

- Electric Reliability Council of Texas (ERCOT)
- Florida Reliability Coordinating Council (FRCC)
- Midwest Reliability Organization (MRO)
- Northeast Power Coordinating Council (NPCC)
- Southeastern Electric Reliability Council (SERC)
- Southwest Power Pool (SPP)
- Western Electricity Coordinating Council (WECC)
- ReliabilityFirst Corporation (RF)

**Q6 Please enter the total number of customer accounts for the following customer classes:**

Residential	<input type="text"/>
Commercial	<input type="text"/>
Industrial	<input type="text"/>
Transportation	<input type="text"/>
Other	<input type="text"/>

**Q7 Does your company directly own or control billing or revenue meters?**

- Yes
- No

**Q8 Please enter the total number of billing or revenue meters of all types for the following customer classes:**

Residential	<input type="text"/>
Commercial	<input type="text"/>
Industrial	<input type="text"/>
Transportation	<input type="text"/>
Other	<input type="text"/>

**Q9 Please enter the total peak demand (MW) for the following customer classes:**

Residential	<input type="text"/>
Commercial	<input type="text"/>
Industrial	<input type="text"/>
Transportation	<input type="text"/>
Other	<input type="text"/>

This survey will be collecting information only on metering systems that measure usage at intervals that are less than daily. It does not ask for information on metering systems that measure usage only on a daily or monthly basis.

Provide the information requested for each customer class, i.e., residential, commercial, industrial, transportation (such as Amtrak and Washington Metropolitan Area Transit Authority), and other.

“Capable” in relation to the billing and revenue meter systems: This is defined as an AMI network that has the ability to initiate interval data retrieval and collection without a physical visit to the meter site to reprogram it or to add an extra device of some kind.

Q10a For those residential meters where.....	Residential Capable	Residential Being Used
meter reads are collected at least <b>daily</b> , how many are collecting interval data where intervals are <b>15 minutes or less</b>	<input type="text"/>	<input type="text"/>
Q10b meter reads are collected at least <b>daily</b> , how many are collecting interval data where interval is <b>&gt; 15 minutes and &lt;= hourly</b>	<input type="text"/>	<input type="text"/>
Q10c meter reads are collected at least <b>monthly but not as often as daily</b> , how many are collecting interval data where intervals are <b>15 minutes or less</b>	<input type="text"/>	<input type="text"/>
Q10d meter reads are collected at least <b>monthly but not as often as daily</b> , how many are collecting interval data where interval is <b>&gt; 15 minutes and &lt;= hourly</b>	<input type="text"/>	<input type="text"/>
Q10e measurement is collected for <b>two to four peak periods (on, shoulder, off, etc.) per day</b> , how many are collecting for intervals <b>greater than hourly but less than daily</b> (two hour intervals, three hour intervals, etc.)	<input type="text"/>	<input type="text"/>
Q10f measurement is collected for <b>two to four peak periods (on, shoulder, off, etc.) per day</b> , how many are providing <b>daily peak period totals</b>	<input type="text"/>	<input type="text"/>
Q10g measurement is collected for <b>two to four peak</b>	<input type="text"/>	<input type="text"/>

periods (on, shoulder, off, etc.) per day, how many are providing **only monthly totals for each peak period**

	Commercial Capable	Commercial Being Used
<b>Q11a</b> For those commercial meters where..... meter reads are collected at least <b>daily</b> , how many are collecting interval data where intervals are <b>15 minutes or less</b>	<input type="text"/>	<input type="text"/>
<b>Q11b</b> meter reads are collected at least <b>daily</b> , how many are collecting interval data where interval is <b>&gt; 15 minutes and &lt;= hourly</b>	<input type="text"/>	<input type="text"/>
<b>Q11c</b> meter reads are collected at least <b>monthly but not as often as daily</b> , how many are collecting interval data where intervals are <b>15 minutes or less</b>	<input type="text"/>	<input type="text"/>
<b>Q11d</b> meter reads are collected at least <b>monthly but not as often as daily</b> , how many are collecting interval data where interval is <b>&gt; 15 minutes and &lt;= hourly</b>	<input type="text"/>	<input type="text"/>
<b>Q11e</b> measurement is collected for <b>two to four peak periods (on, shoulder, off, etc.) per day</b> , how many are collecting for intervals <b>greater than hourly but less than daily</b> (two hour intervals, three hour intervals, etc.)	<input type="text"/>	<input type="text"/>
<b>Q11f</b> measurement is collected for <b>two to four peak periods (on, shoulder, off, etc.) per day</b> , how many are <b>providing daily peak period totals</b>	<input type="text"/>	<input type="text"/>
<b>Q11g</b> measurement is collected for <b>two to four peak periods (on, shoulder, off, etc.) per day</b> , how many are <b>providing only monthly totals for each peak period</b>	<input type="text"/>	<input type="text"/>
<b>Q12a</b> For those industrial meters where..... meter reads are collected at	<input type="text"/>	<input type="text"/>

least **daily**, how many are collecting interval data where intervals are **15 minutes or less**

<b>Q12b</b> meter reads are collected at least <b>daily</b> , how many are collecting interval data where interval is <b>&gt; 15 minutes and &lt;= hourly</b>	<input type="text"/>	<input type="text"/>
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<b>Q12c</b> meter reads are collected at least <b>monthly but not as often as daily</b> , how many are collecting interval data where intervals are <b>15 minutes or less</b>	<input type="text"/>	<input type="text"/>
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<b>Q12d</b> meter reads are collected at least <b>monthly but not as often as daily</b> , how many are collecting interval data where interval is <b>&gt; 15 minutes and &lt;= hourly</b>	<input type="text"/>	<input type="text"/>
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<b>Q12e</b> measurement is collected for <b>two to four peak periods (on, shoulder, off, etc.) per day</b> , how many are collecting for intervals <b>greater than hourly but less than daily</b> (two hour intervals, three hour intervals, etc.)	<input type="text"/>	<input type="text"/>
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<b>Q12f</b> measurement is collected for <b>two to four peak periods (on, shoulder, off, etc.) per day</b> , how many are <b>providing daily peak period totals</b>	<input type="text"/>	<input type="text"/>
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<b>Q12g</b> measurement is collected for <b>two to four peak periods (on, shoulder, off, etc.) per day</b> , how many are <b>providing only monthly totals for each peak period</b>	<input type="text"/>	<input type="text"/>
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<b>Q13a</b> For those transportation meters where.....	<b>Transportation Capable</b>	<b>Transportation Being Used</b>
meter reads are collected at least <b>daily</b> , how many are collecting interval data where intervals are <b>15 minutes or less</b>	<input type="text"/>	<input type="text"/>

<b>Q13b</b> meter reads are collected at least <b>daily</b> , how many are collecting interval data where interval is <b>&gt; 15 minutes and &lt;= hourly</b>	<input type="text"/>	<input type="text"/>
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<p><b>Q13c</b> meter reads are collected at least <b>monthly but not as often as daily</b>, how many are collecting interval data where intervals are <b>15 minutes or less</b></p>	<input type="text"/>	<input type="text"/>
<p><b>Q13d</b> meter reads are collected at least <b>monthly but not as often as daily</b>, how many are collecting interval data where interval is <b>&gt; 15 minutes and &lt;= hourly</b></p>	<input type="text"/>	<input type="text"/>
<p><b>Q13e</b> measurement is collected for <b>two to four peak periods (on, shoulder, off, etc.) per day</b>, how many are collecting for intervals <b>greater than hourly but less than daily</b> (two hour intervals, three hour intervals, etc.)</p>	<input type="text"/>	<input type="text"/>
<p><b>Q13f</b> measurement is collected for <b>two to four peak periods (on, shoulder, off, etc.) per day</b>, how many are <b>providing daily peak period totals</b></p>	<input type="text"/>	<input type="text"/>
<p><b>Q13g</b> measurement is collected for <b>two to four peak periods (on, shoulder, off, etc.) per day</b>, how many are <b>providing only monthly totals for each peak period</b></p>	<input type="text"/>	<input type="text"/>
<p><b>Q14a</b> For those other meters where.....</p>	<p><b>Other Capable</b></p>	<p><b>Other Being Used</b></p>
<p>meter reads are collected at least <b>daily</b>, how many are collecting interval data where intervals are <b>15 minutes or less</b></p>	<input type="text"/>	<input type="text"/>
<p><b>Q14b</b> meter reads are collected at least <b>daily</b>, how many are collecting interval data where interval is <b>&gt; 15 minutes and &lt;= hourly</b></p>	<input type="text"/>	<input type="text"/>
<p><b>Q14c</b> meter reads are collected at least <b>monthly but not as often as daily</b>, how many are collecting interval data where intervals are <b>15 minutes or less</b></p>	<input type="text"/>	<input type="text"/>
<p><b>Q14d</b> meter reads are collected at least <b>monthly but not as often as daily</b>, how many are collecting interval data</p>	<input type="text"/>	<input type="text"/>

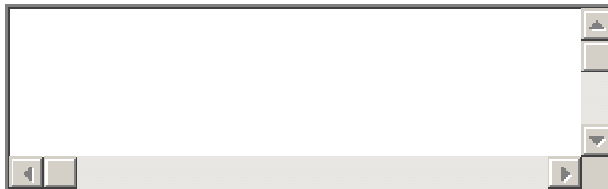
where interval is **> 15 minutes and <= hourly**

**Q14e** measurement is collected for **two to four peak periods (on, shoulder, off, etc.) per day**, how many are collecting for intervals **greater than hourly but less than daily** (two hour intervals, three hour intervals, etc.)

**Q14f** measurement is collected for **two to four peak periods (on, shoulder, off, etc.) per day**, how many are **providing daily peak period totals**

**Q14g** measurement is collected for **two to four peak periods (on, shoulder, off, etc.) per day**, how many are **providing only monthly totals for each peak period**

**Q15** Please use the following space for comments on this survey. For clarification purposes, identify, where appropriate, the section number and question for each comment.



**Q16** Has your company implemented an advanced metering infrastructure (AMI) system? AMI is defined as the communications hardware and software and associated system and data management software that creates a network between advanced meters and utility business systems which allows collection and distribution of information to customers and other parties such as competitive retail suppliers, in addition to the utility itself.

Yes

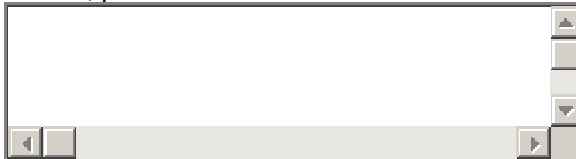
No

If you have any questions regarding this survey, please contact Christopher Perdue at 850.499.8727 or [drsurvey@utilipoint.com](mailto:drsurvey@utilipoint.com).

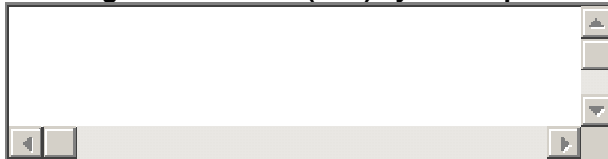
**Q17** For what functions are you currently utilizing your AMI system (please check all that apply)?

- Remotely change metering parameters
- Outage management
- Pre-pay metering
- Remote connect/disconnect
- Load forecasting
- Reduce line losses
- Price responsive demand response
- Enhanced customer service
- Asset management, including transformer sizing
- Premise device/load control interface or capability
- Interface with water or gas meters
- Pricing event notification capability
- Power quality monitoring
- Tamper detection
- Other

*If other, please describe*

A rectangular text input field with a light gray border. It contains no text. On the right side, there are three small square buttons with upward, middle, and downward arrows. On the bottom left and right sides, there are small square buttons with left and right arrows, respectively.

**Q18** Are there any comments that you would like to make regarding the advanced metering infrastructure (AMI) systems question(s)?

A rectangular text input field with a light gray border. It contains no text. On the right side, there are three small square buttons with upward, middle, and downward arrows. On the bottom left and right sides, there are small square buttons with left and right arrows, respectively.

**Thank you for your response! To complete the study, please press the submit button.**

If you have any questions regarding this survey, please contact Christopher Perdue at 850.499.8727 or [drsurvey@utilipoint.com](mailto:drsurvey@utilipoint.com).