

**Ameren Illinois Company's  
Response to AG Data Requests on Rehearing  
Docket No. 12-0244  
AIC's Advanced Metering Infrastructure Plan  
Data Request Response Date: 7/30/2012**

AG 3.17

Reference the Direct Testimony on Rehearing of Dr. Faruqui, Ameren Exhibit 5.0RH page 9 line 204 to page 10 line 215 and Ameren Exhibit 5.3RH

- a. Are the participation rates in 5.3RH expressed as a percent of the 62% of customers who will have smart meters under the Company filing in this proceeding, or as a percent of all customers, i.e. those with smart meters and those without, or does it assume that 100% of customers will have smart meters by 2032?
- b. Please provide all inputs and calculations used to prepare Exhibit 5.3RH in an operational electronic format
- c. For each program to be offered to Residential customers, please provide all assumptions underlying the 2032 projected participation rate and the support for those assumptions
- d. Please provide the Company's estimate of the percentage of its residential customers who have central air conditioning
- e. Please indicate the annual dollar amount a residential customer with central air conditioning would receive from participating in each program, assuming currently effective rates, if he or she reduced usage by the average quantities listed in Exhibit 5.4RH. Please provide all supporting calculations.
- f. Please indicate the annual dollar amount a residential customer without central air conditioning would receive from participating in each program, assuming currently effective rates, if he or she reduced usage by the average quantities listed in Exhibit 5.4RH. Please provide all supporting calculations.
- g. For each program to be offered to Residential customers that Ameren currently offers, please identify the actual participation Ameren achieved in the most recent year for which statistics are available.
- h. For each program to be offered to Residential customers, please identify the utilities comparable to Ameren who are currently offering that program on a system-wide basis and the actual participation achieved in the most recent year for which statistics are available. If Dr. Faruqui has not compiled this actual data please explain why not.

**RESPONSE**

Response to subparts a), b), c), and h) only:  
Prepared By: Ahmad Faruqui, Ph.D.  
Title: Principal, The Brattle Group  
Phone Number: 415-217-1000

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ILL. C. C. DOCKET NO. 12-0244

Exhibit No. 1

Witness: Ahmad Faruqui

Date: 9-2-12 Reporter: T. Gudek

**Response to subparts d), e), f), and g) only:**

**Prepared By: Leonard M. Jones**

**Title: Manager, Rates & Analysis**

**Phone Number: 314-206-1878**

- a. All participation rates are expressed as a percent of the customer class with smart meters, rather than the percent of the entire customer class.
- b. Participation rates are based on expert review of program participation rates around the country.
- c. These are assumptions that reflect expert review of program participation rates around the country.
- d. AIC estimates 79% of its residential customers have central air conditioning.
- e. AIC does not have the requested analysis.
- f. AIC does not have the requested analysis.
- g. Power Smart Pricing (PSP) currently offered to residential customers has an approximate 1.1% participation rate as July 2012.
- h. Currently, AIC is the only utility offering PSP on a system-wide basis. Actual participation in the program is around 12,000. ComEd currently offers RTP on a system-wide basis; in 2011, its residential RTP program had 11,000 customers. PG&E has rolled out CPP on a system-wide basis, and has achieved a 1% participation rate. San Diego Electric and Gas offers a PTR program, but there is no public data on participation rates. Many utilities now offer TOU rates for PEVs; however, some PEVs are now just penetrating the market, so there is no data on participation rates. DLC is widely offered by a number of utilities. AIC have only focused on AMI-enabled DLC, and there is no data yet on such programs.