

KCPL
Case Name: 2018 KCPL Rate Case
Case Number: ER-2018-0145

Response to Marke Geoff Interrogatories - OPC_20180801
Date of Response: 8/16/2018

Question:2086

Please provide a timeline for AMI deployment (both historic and expected) within the GMO and KCPL-MO service territories by quarter (e.g., 4th quarter 2014 = 3000 out of 295,551 meters deployed in KCPL-MO or 1.01%, etc...).

Response:

MO AMI Meter Population Transition

AMI Projects	Qtr-Year	Manual Meter Counts	AMR Meter Counts	AMI Meter Counts	Total Meter Counts	Pct AMI
Smart Grid Demonstration Zone	4th Qtr 2010	322,184	253,481	9,004	584,669	1.54%
	1st Qtr 2011	322,259	250,341	12,331	584,931	2.11%
AMR to AMI Meter Exchange Metro	1st Qtr 2014	322,117	254,661	13,233	590,011	2.24%
	2nd Qtr 2014	321,307	252,369	16,121	589,797	2.73%
	3rd Qtr 2014	322,364	249,782	19,941	592,087	3.37%
	4th Qtr 2014	323,031	225,583	46,410	595,024	7.80%
	1st Qtr 2015	322,577	159,529	111,956	594,062	18.85%
	2nd Qtr 2015	323,024	86,122	186,100	595,246	31.26%
	3rd Qtr 2015	321,064	15,657	256,686	593,407	43.26%
	4th Qtr 2015	275,438	922	324,476	600,836	54.00%
Extended Metro AMI Meter Exchange	1st Qtr 2016	214,629	393	397,280	612,302	64.88%
	2nd Qtr 2016	150,749	173	462,577	613,499	75.40%
	3rd Qtr 2016	149,920	80	465,230	615,230	75.62%
	4th Qtr 2016	149,773	70	465,856	615,699	75.66%

Rural KCPL AMI Meter Exchange	1st Qtr 2019	150,000	0	475,000	625,000	76.00%
	2nd Qtr 2019	125,000	0	500,000	625,000	80.00%
	3rd Qtr 2019	100,000	0	525,000	625,000	84.00%
	4th Qtr 2019	75,000	0	550,000	625,000	88.00%
	1st Qtr 2020	50,000	0	575,000	625,000	92.00%
	2nd Qtr 2020	25,000	0	600,000	625,000	96.00%
	3rd Qtr 2020	1,000	0	624,000	625,000	99.84%
	4th Qtr 2020	0	0	625,000	625,000	100.00%

Information provided by: Tom Howe

Attachment: Q2086_Verification.pdf