



**KENTUCKY  
POWER**

A unit of American Electric Power

Kentucky Power  
101A Enterprise Drive  
P O Box 5190  
Frankfort, KY 40602-5190  
KentuckyPower.com

March 15, 2011

Jeff R. Derouen, Executive Director  
Kentucky Public Service Commission  
**Attn: John V. Shupp, Electric Branch Manager**  
211 Sower Blvd.  
P. O. Box 615  
Frankfort, Kentucky 40602-0615

RECEIVED

MAR 15 2011

PUBLIC SERVICE  
COMMISSION

Gentlemen:

RE: CASE NO. 2005-00276

Pursuant to the 2006 Sample Meter Testing Plan, Section I, paragraph 4, Kentucky Power Company is enclosing its certified test results of all new meters received during the calendar year of 2010. Due to the voluminous nature of this report, the test results are being provided on a CD, and Attachment A is an example of the data included on that CD.

In conformance with Section II (D)(3)(b) of the 2006 Sample Meter Testing Plan, the test results of the Statistical Sampling Plan are also attached and labeled Attachment B. As the report indicates, all 22 lots in the quality control program met the acceptable test criteria.

If you have any questions, please call me at 502-696-7010.

Sincerely,

Lila P. Munsey  
Manager, Regulatory Services

Attachment

Kentucky Power Company  
 Certified Meter Tests for Year 2010

CO_CD_OWNR	DEVC_CD	MFR_CD	MFR_DEVG_SE	RCVD_DATE	TEST_DATE	SRS_ACC_AF_FL	SRS_ACC_AF_LAG	SRS_ACC_AF_LL	SRS_ACC_AL_FL	SRS_ACC_AL_LAG	SRS_ACC_AL_LL	99.84
03	EH036	06	190355104	20100301	20100223	100.07	100.06	100.06	100.07	100.06	100.06	99.94
03	EH036	06	190355105	20100301	20100223	100.05	100.06	100.06	100.05	100.06	100.06	99.89
03	EH036	06	190355106	20100301	20100223	100.04	100.06	100.06	100.05	100.06	100.06	99.86
03	EH036	06	190355107	20100301	20100223	100.06	100.17	100.17	100.06	100.17	100.17	99.86
03	EH036	06	190355108	20100301	20100223	100.04	100.12	100.12	100.04	100.12	100.12	99.87
03	EH036	06	190355109	20100301	20100223	100.07	100.08	100.08	100.07	100.08	100.08	99.87
03	EH036	06	190355110	20100301	20100223	100.07	100.06	100.06	100.07	100.06	100.06	99.95
03	EH036	06	190355111	20100301	20100223	100.05	100.12	100.12	100.05	100.12	100.12	99.94
03	EH036	06	190355112	20100301	20100223	100.05	100.16	100.16	100.05	100.16	100.16	99.91
03	EH036	06	190355113	20100301	20100223	100.04	100.05	100.05	100.04	100.05	100.05	99.88
03	EH036	06	190355114	20100301	20100223	100.05	100.05	100.05	100.05	100.05	100.05	99.94
03	EH036	06	190355115	20100301	20100223	100.05	100.05	100.05	100.05	100.05	100.05	99.93
03	EH036	06	190355116	20100301	20100223	100.07	100.11	100.11	100.07	100.11	100.11	99.92
03	EH036	06	190355117	20100301	20100223	100.05	100.05	100.05	100.05	100.05	100.05	99.86
03	EH036	06	190355118	20100301	20100223	100.04	100.13	100.13	100.04	100.13	100.13	99.83
03	EH036	06	190355119	20100301	20100223	100.04	100.05	100.05	100.04	100.05	100.05	99.9
03	EH036	06	190355120	20100301	20100223	100.04	100.02	100.02	100.04	100.02	100.02	99.93
03	EH036	06	190355121	20100301	20100223	100.06	100.07	100.07	100.06	100.07	100.07	99.93
03	EH036	06	190355122	20100301	20100223	100.04	100.07	100.07	100.04	100.07	100.07	99.93
03	EH036	06	190355123	20100301	20100223	100.06	100.05	100.05	100.06	100.05	100.05	99.91
03	EH036	06	190355124	20100301	20100223	100.04	100.07	100.07	100.04	100.07	100.07	99.9
03	EH036	06	190355125	20100301	20100223	100.04	100.11	100.11	100.04	100.11	100.11	99.83
03	EH036	06	190355126	20100301	20100223	100.05	100.08	100.08	100.05	100.08	100.08	99.93
03	EH036	06	190355127	20100301	20100223	100.06	100.06	100.06	100.06	100.06	100.06	99.92
03	EH036	06	190355128	20100323	20100312	100.05	100.11	100.11	100.05	100.11	100.11	99.87
03	EH036	06	190355129	20100323	20100312	100.04	100.05	100.05	100.04	100.05	100.05	99.97
03	EH036	06	190355130	20100323	20100312	100.04	100.05	100.05	100.04	100.05	100.05	99.84
03	EH036	06	190355131	20100323	20100312	100.05	100.04	100.04	100.05	100.04	100.04	99.92
03	EH036	06	190355132	20100323	20100312	100.07	100.09	100.09	100.07	100.09	100.09	99.95
03	EH036	06	190355133	20100323	20100312	100.04	100.05	100.05	100.04	100.05	100.05	99.94
03	EH036	06	190355134	20100323	20100312	100.06	100.06	100.06	100.06	100.06	100.06	99.88
03	EH036	06	190355135	20100323	20100312	100.06	100.06	100.06	100.06	100.06	100.06	99.9
03	EH036	06	190355136	20100323	20100312	100.07	100.08	100.08	100.07	100.08	100.08	99.91
03	EH036	06	190355137	20100323	20100312	100.04	100.08	100.08	100.04	100.08	100.08	99.87
03	EH036	06	190355138	20100323	20100312	100.03	100.06	100.06	100.03	100.06	100.06	99.86
03	EH036	06	190355139	20100323	20100312	100.05	100.1	100.1	100.05	100.1	100.1	99.89
03	EH036	06	190355140	20100323	20100312	100.05	100.03	100.03	100.05	100.03	100.03	99.89
03	EH036	06	190355141	20100323	20100312	100.04	100.05	100.05	100.04	100.05	100.05	99.91
03	EH036	06	190355142	20100323	20100312	100.04	100.12	100.12	100.04	100.12	100.12	99.91
03	EH036	06	190355143	20100323	20100312	100.04	100.08	100.08	100.04	100.08	100.08	99.93
03	EH036	06	190355144	20100323	20100312	100.04	100.06	100.06	100.04	100.06	100.06	99.91
03	EH036	06	190355145	20100323	20100312	100.07	100.04	100.04	100.07	100.04	100.04	99.92
03	EH036	06	190355146	20100323	20100312	100.04	100.06	100.06	100.04	100.06	100.06	99.95
03	EH036	06	190355147	20100323	20100312	100.05	100.07	100.07	100.05	100.07	100.07	99.9
03	EH036	06	190355148	20100323	20100312	100.05	100.04	100.04	100.05	100.04	100.04	99.89
03	EH036	06	190355149	20100323	20100312	100.05	100.1	100.1	100.05	100.1	100.1	99.94
03	EH036	06	190355150	20100323	20100312	100.03	100.05	100.05	100.03	100.05	100.05	99.9
03	EH036	06	190355151	20100323	20100312	100.05	100.08	100.08	100.05	100.08	100.08	99.89
03	EH036	06	190355164	20100323	20100312	100.05	100.02	100.02	100.05	100.02	100.02	99.85
03	EH036	06	190355165	20100323	20100312	100.06	100.07	100.07	100.06	100.07	100.07	99.94
03	EH036	06	190355166	20100323	20100312	100.03	100.04	100.04	100.03	100.04	100.04	99.91
03	EH036	06	190355167	20100323	20100312	100.06	100.05	100.05	100.06	100.05	100.05	99.91
03	EH036	06	190355251	20100323	20100312	100.06	100.27	100.27	100.06	100.27	100.27	99.9
03	EH036	06	190355252	20100323	20100312	100.05	100.12	100.12	100.05	100.12	100.12	99.89
03	EH036	06	190355253	20100323	20100312	100.06	100.07	100.07	100.06	100.07	100.07	99.9
03	EH036	06	190355254	20100323	20100312	100.06	100.04	100.04	100.06	100.04	100.04	99.91
03	EH036	06	190355255	20100323	20100312	100.06	100.06	100.06	100.06	100.06	100.06	99.92
03	EH036	06	190355256	20100323	20100312	100.03	100.04	100.04	100.03	100.04	100.04	99.84
03	EH036	06	190355257	20100323	20100312	100.05	100.06	100.06	100.05	100.06	100.06	99.88
03	EH036	06	190355258	20100323	20100312	100.04	100.04	100.04	100.04	100.04	100.04	99.86
03	EH036	06	190355259	20100323	20100312	100.04	100.09	100.09	100.04	100.09	100.09	99.9
03	EH036	06	190355260	20100323	20100312	100.07	100.06	100.06	100.07	100.06	100.06	99.9
03	EH036	06	190355261	20100323	20100312	100.07	100.03	100.03	100.07	100.03	100.03	99.9

Sample Test Report

AEP / Kentucky Power Company  
 2010 Sample Test Results  
 Kentucky

Based on: ANSI Z1.9 - 1993, Upper Limit - 102%, Lower Limit - 98%, AQL - 2.5, Table B3

Group Name	Meter Types				# of Meters in Service at time of the sample selection	# of meters sample tested	Average Accuracy (Bar X)	Standard Deviation (Sigma)	Pass or Fail
K0C11	C1SR	C1SX	0	0	10,705	100	100.07	0.155	Passed
K0C12	C1SR	0	0	0	11,593	100	100.08	0.153	Passed
K0I70	I70S	0	0	0	11	3	99.77	0.189	Passed
K0I2B	I210	0	0	0	1,055	35	100.01	0.152	Passed
K0I4C	I210	0	0	0	10,440	100	100.01	0.220	Passed
K0I5C	I210	0	0	0	12,985	100	100.01	0.180	Passed
K0I2D	I210	0	0	0	1,738	50	100.01	0.203	Passed
K0I2E	I210	0	0	0	10,891	100	99.99	0.139	Passed
K0I2F	I210	0	0	0	2	2	99.96	0.226	Passed
K0I2R	I210	0	0	0	5,669	75	99.93	0.083	Passed
K0I2G	I210	0	0	0	6,088	75	99.96	0.160	Passed
K0I2I	I210	0	0	0	1	1	100.45	0.071	Passed
K0I3R	I210	0	0	0	11,589	100	99.94	0.085	Passed
K0I3J	I70S	0	0	0	13,612	100	99.95	0.248	Passed
K9I4J	I210	0	0	0	14,198	100	99.99	0.156	Passed
K0I5J	I210	0	0	0	9,798	75	99.94	0.106	Passed
K0I6J	I210	0	0	0	8,548	75	100.03	0.222	Passed
K0I7J	I210	0	0	0	10,949	100	99.95	0.107	Passed
K0I8J	I210	0	0	0	9,368	75	99.95	0.071	Passed
K0I9J	I210	0	0	0	13,070	100	99.95	0.105	Passed
K0I2K	I210	0	0	0	4,190	50	100.02	0.137	Passed
K0P11	I210	0	0	0	4	3	99.96	0.212	Passed

Comments:

1)

Meters removed in 2010 of Failed Groups:

Group Name	Meter Types				Years of Group Failure	Meters In service as of 12/31/2010	Removed or Tested in 2009	Plans for present year
-	-	-	-	-	-	-	-	-

Comments:

1)

Prepared By:

Diane S Roquemore

/ 02-28-2011