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Dianne B. Kuhnell  
Senior Paralegal

VIA OVERNIGHT MAIL

April 8, 2010

Mr. Jeff Derouen  
Executive Director  
Kentucky Public Service Commission  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, Kentucky 40602-0615

**RECEIVED**

APR 09 2010

**PUBLIC SERVICE  
COMMISSION**

Re: Case No. 2010- 00151

In the Matter of the Application of Duke Energy Kentucky, Inc. for a Certificate of Public Convenience and Necessity to Construct Gas Distribution Facilities within its Service Territory

Dear Mr. Derouen:

Enclosed please find an original and twelve copies of the Application of Duke Energy Kentucky, Inc. in the above-referenced case.

I have also enclosed an original set of maps, labeled CPCN Filing for CPCN Modules 377, 602, 604, Madison Avenue and 12<sup>th</sup> Street Reconstruction and two copy sets of the same.

Please date stamp and return the two extra copies of the Application in the enclosed envelope.

If you have any questions, please do not hesitate to contact me at (513) 419-1837.

Sincerely,

Dianne B. Kuhnell  
Senior Paralegal

cc: Hon. Larry Cook (with copy of Application)

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE PUBLIC SERVICE COMMISSION**

**In the Matter of:**

<b>APPLICATION OF DUKE ENERGY</b>	)	
<b>KENTUCKY, INC. FOR A CERTIFICATE</b>	)	
<b>OF PUBLIC CONVENIENCE AND</b>	)	
<b>NECESSITY TO CONSTRUCT GAS</b>	)	<b>CASE NO. 2010-_____</b>
<b>DISTRIBUTION FACILITIES WITHIN</b>	)	
<b>ITS SERVICE TERRITORY</b>	)	

**APPLICATION**

Pursuant to KRS 278.020, 807 KAR 5:001, Sections 8 and 9, and the Commission's Order dated December 22, 2005 in *In the Matter of Adjustment of Gas Rates of The Union Light, Heat and Power Company*, Case No. 2005-00042, Duke Energy Kentucky, Inc. ( Duke Energy Kentucky ) respectfully states as follows:

1. Duke Energy Kentucky is a Kentucky corporation with its principal office and principal place of business at 525 W. Fifth Street Suite 228, Covington, Kentucky 41011. Its mailing address is P.O. Box 960, Cincinnati, Ohio 45201.
  
2. Duke Energy Kentucky is a utility engaged in the gas and electric business. Duke Energy Kentucky purchases, sells, stores and transports natural gas in Boone, Campbell, Gallatin, Grant, Kenton and Pendleton Counties, Kentucky. Duke Energy Kentucky also generates electricity, which it distributes and sells in Boone, Campbell, Grant, Kenton and Pendleton counties.

3. Pursuant to 807 KAR 5:001, Section 8(3), Duke Energy Kentucky states that a certified copy of its Articles of Incorporation, as amended, is on file with the Commission in Case No. 2006-00563.

4. In Case No. 2005-00042, Duke Energy Kentucky sought Commission approval of a base rate increase for its gas operations, including the re-approval of Rider AMRP. Under Duke Energy Kentucky's proposal, Rider AMRP provided for an annual adjustment to rates over a ten-year period, to allow Duke Energy Kentucky to recover the costs of replacing its cast iron and bare steel mains on an accelerated basis, including the cost of recovering customer-owned service lines connected to such mains.

5. In an Order dated January 31, 2002 in Case No. 2001-00092, the Commission approved Rider AMRP, subject to certain modifications, for an initial period of three years. In an Order dated December 22, 2005 in Case No. 2005-00042, the Commission re-approved Rider AMRP, subject to certain modifications, through the end of the program life in 2010. The Commission's Orders require Duke Energy Kentucky to file an application for a certificate of public convenience and necessity ("CPCN") for the mains that Duke Energy Kentucky will replace under the program. The purpose of this application is to comply with these Commission Orders. Duke Energy Kentucky previously filed an application for a CPCN for the 2002, 2003, 2004, 2005, 2006, 2007, 2008 and 2009 Rider AMRP construction work in Case No. 2002-00089, Case No. 2002-00407, Case No. 2004-00017, Case No. 2005-00094, Case No. 2006-00101, Case No. 2007-00142, Case No. 2008-00139 and Case No. 2009-00157 respectively.

6. In Case No. 2009-00202 Duke Energy Kentucky sought Commission approval of a base rate increase including a roll in of the final AMRP costs. With this Application, Duke Energy Kentucky seeks to receive a CPCN for the final phase of AMRP construction.

7. Pursuant to 807 KAR 5:001, Section 9(2)(a), Duke Energy Kentucky states that the proposed construction is or will be required by public convenience and necessity because cast iron and bare steel mains comprise approximately 1% of Duke Energy Kentucky's natural gas distribution system, and such mains are subject to leaks at a greater rate than coated steel or polyethylene, leading to higher operating and maintenance expenses, greater line losses and safety and reliability risks. Further information to support the fact that the proposed construction is or will be required by public convenience and necessity is contained in the following filings by Duke Energy Kentucky on May 4, 2001 in Case No. 2001-00092: Direct Testimony of Leonard C. Randolph, Jr.; Direct Testimony of Sevket Torpis; and the April, 2001 Independent Review of Cast Iron and Bare Steel Pipe Replacement Program Report prepared by Stone & Webster Consultants, as well as the Commission's Orders dated January 31, 2002 in Case No. 2001-00092 and December 22, 2005 in Case No. 2005-00042, all of which are incorporated by reference herein.

8. Pursuant to 807 KAR 5:001, Section 9(2)(b), Duke Energy Kentucky states that the construction work involves the replacement of existing cast iron and bare steel facilities, including mains, main-to-curb services and curb-to-meter services, and that Duke Energy Kentucky has previously filed with the Commission the applicable franchises from the proper public authorities.

9. Pursuant to 807 KAR 5:001, Section 9(2)(c), Duke Energy Kentucky states that the construction work will occur at various locations throughout Duke Energy Kentucky's distribution system. Duke Energy Kentucky has divided the work into modules. A module consists of two to five miles of cast iron and bare steel mains located within a particular community. The location for the construction work within the modules is indicated on the construction maps filed herewith. The modules are rank-ordered according to various factors, including safety and reliability considerations, to determine the priority under which the construction work contained within each module should be performed. In addition to module work, Duke Energy Kentucky will continue to perform 2009 Cast Iron Maintenance Optimization System® ("CIMOS") and Bare Steel Maintenance Optimization System® ("BSMOS") programs, street improvement projects and any emergency replacements that may arise in 2009.

Duke Energy Kentucky will use contractors and employees to perform and supervise the work. Duke Energy Kentucky will utilize conventional excavation and main construction techniques and, to the extent possible, directional drilling techniques. Duke Energy Kentucky will follow and will require its contractors to follow Duke Energy Kentucky's manual of construction practices on file with the Commission.

9. In the Commission's Order dated October 7, 2002 *In the Matter of the Application of The Union Light, Heat and Power Company for a Certificate of Public Convenience and Necessity to Construct Gas Distribution Facilities within its Service Territory and for a Deviation from Administrative Regulation 807 KAR 5:022, Section 9(17)*, Case No. 2002-00089, the Commission authorized Duke Energy Kentucky to deviate from the Commission's August 29, 2002 Order granting a certificate for public convenience and necessity,

to the extent that Duke Energy Kentucky incurred additional costs for metallic main and services replacement work, not to exceed by 20% the amount authorized by the Commission's August 29, 2002 Order. The Commission issued similar Orders in Case Nos. 2004-00017, 2005-00094, 2006-00101, 2007-00142, 2008-00139 and 2009-00157.

10. In the instant application, Duke Energy Kentucky requests authorization to incur construction costs in the amount of \$8,358,924 for module work, CIMOS and BSMOS work and street improvement work during 2010. The projects are as described in Attachment A. In addition, consistent with the Commission's previous orders in Duke Energy Kentucky's CPCN cases for its Rider AMRP increases, Duke Energy Kentucky requests a deviation, to the extent that actual construction costs exceed the projected cost of \$8,358,924, in an amount up to 20% of the projected cost.

11. Pursuant to 807 KAR 5:001, Section 9(2)(d), Duke Energy Kentucky states that it has submitted with this filing maps showing the location or route of the construction. Duke Energy Kentucky requests permission to provide only three sets of these maps due to the voluminous number of maps, rather than the standard filing requirement of ten sets. To Duke Energy Kentucky's knowledge, no other like facilities owned by others are located anywhere within the map area. The map information for Modules 604, 377, 602, and Job. No. 03-7011-4 Madison Avenue and 12<sup>th</sup> Street Reconstruction are submitted with this filing.

12. Pursuant to 807 KAR 5:001, Section 9(2)(e), Duke Energy Kentucky states that it proposes to finance the construction through continuing operations and debt instruments as necessary.

13. Pursuant to 807 KAR 5:001, Section 9(2)(f), Duke Energy Kentucky states that the estimated cost of construction of the proposed facilities, including the cost of replacing metallic service lines connected to cast iron and bare steel mains, for the 2009 construction program is

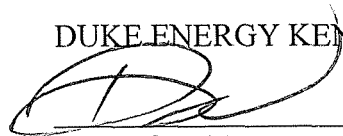
\$8,358,924. Duke Energy Kentucky further states that the estimated cost of operation after the facilities are completed is \$707, 871.00.

14. Duke Energy Kentucky expects that its estimated cost of operation and maintenance will decrease after the proposed facilities are completed because the cast iron and bare steel lines are being replaced with plastic lines, which have a lower leak rate.

WHEREFORE, Duke Energy Kentucky respectfully requests that the Commission issue a Certificate of Public Convenience and Necessity pursuant to KRS 278.020(1) for the above-described construction as requested herein.

Respectfully submitted,

DUKE ENERGY KENTUCKY, INC.



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**CERTIFICATE OF SERVICE**

This is to certify that a copy of the foregoing Application of Duke Energy Kentucky, Inc. has been served via overnight mail to the following party on this 17<sup>th</sup> day of April, 2010:

  
Rocco O. D'Ascenzo

Hon. Larry Cook  
Office of the Attorney General  
Utility Intervention and Rate Division  
1024 Capital Center Drive  
Frankfort, Kentucky 40601

**Duke Energy Kentucky**  
**Estimate of 2010 Construction Expenditures**  
**Associated with AMRP**

Exhibit A

	<u>Estimated Costs (1)</u>	<u>Estimated Footages</u>
<b><u>Module Jobs</u></b>		
Module 377 (2) (5)	857,078	7,833
Module 602 (2) (5)	1,714,946	12,102
Module 604 (2) (5)	1,199,928	8,376
Module 616 (2)	66,000	317
Module 483 (4)	220,000	1,056
Modules (4)	<u>2,224,621</u>	
	6,282,573	
 <b><u>CIMOS Jobs</u></b>		
Projected (4)	-	
 <b><u>Street Improvement Jobs</u></b>		
Madison Ave (2) (5)	89,888	621
12th St (2) (5)	<u>886,464</u>	3949
	976,351	
 2009 Carry-over	 <u>1,100,000</u>	
 Total Estimate for 2010	 <u><u>8,358,924</u></u>	

Notes:

- (1) Includes contractor labor, materials, company labor, other and loadings.
- (2) Contracts have been awarded.
- (3) These jobs have been sent to contractors for bid.
- (4) These jobs will be sent to contractors for bid.
- (5) Construction drawings for these projects were provided with the 2009 Annual Filing and First Quarter 2010 Update Filing.