

BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Annual Application)	
of Duke Energy Ohio, Inc., for an)	Case No. 12-3028-GA-RDR
Adjustment to Rider AMRP Rates.)	
In the Matter of the Application of)	
Duke Energy Ohio, Inc., for Tariff)	Case No. 12-3029-GA-ATA
Approval.)	

DIRECT TESTIMONY OF

GARY J. HEBBELER

ON BEHALF OF

DUKE ENERGY OHIO, INC.

February 27, 2013

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I. INTRODUCTION AND PURPOSE

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is Gary J. Hebbeler. My business address is 139 East Fourth Street,
3 Cincinnati, Ohio 45202.

4 **Q. WHAT IS YOUR CURRENT POSITION?**

5 A. I am employed by the Duke Energy Business Services LLC, a subsidiary of Duke
6 Energy Corporation (Duke Energy), as General Manager, Gas Field and Systems
7 Operations.

8 **Q. PLEASE SUMMARIZE YOUR EDUCATION AND PROFESSIONAL
9 QUALIFICATIONS.**

10 A. I am a graduate of the University of Kentucky, where I obtained my Bachelor of
11 Science in Civil Engineering. In 1994, I obtained my license as a Professional
12 Engineer in the Commonwealth of Kentucky and, by reciprocity, later in the State
13 of Ohio.

14 **Q. PLEASE SUMMARIZE YOUR BUSINESS EXPERIENCE.**

15 A. I began working for The Cincinnati Gas & Electric Company (CG&E), now
16 known as Duke Energy Ohio, Inc. (Duke Energy Ohio or Company), in 1987 as
17 an engineer in the Gas Engineering Department. I initially worked as a project
18 engineer. I was responsible for designing gas mains and water lines, coordinating
19 projects with governmental agencies and consulting firms, calculating pipe
20 capacity and stress, and evaluating company paving standards and designs. Until
21 1998, I worked for CG&E and then Cinergy Services, Inc., both of which were
22 subsidiaries of Cinergy Corp. I was Vice President for Michels Concrete

1 Construction, Inc., during 1998 and returned to Cinergy Corp.'s Gas Engineering
2 Department in 1999. In 2000, I was promoted to Manager, Contractor
3 Construction. In this position, I helped design the Accelerated Main Replacement
4 Program (AMRP). I also managed the construction activities for replacing the
5 cast iron/bare steel pipe under the AMRP. In 2002, I was promoted to Manager,
6 Gas Engineering. In this position, I was responsible for managing the engineering
7 activities and the capital expenditures for Gas Operations in Duke Energy Ohio's
8 and Duke Energy Kentucky, Inc.'s (Duke Energy Kentucky) gas distribution
9 systems. In 2006, I was promoted to General Manager, Gas Engineering. In
10 addition to my continued responsibilities for gas engineering activities and capital
11 expenditures, I was responsible for construction activities for the AMRP, street
12 improvements, pressure improvements and major projects. In September 2010, I
13 was promoted to my current position of General Manager, Gas Field and Systems
14 Operations. I am responsible for managing the construction, installation,
15 operation, and maintenance of the natural gas distribution systems of Duke
16 Energy Ohio and Duke Energy Kentucky. Approximately 1000 Company and
17 contractor personnel are involved in these activities on behalf of Duke Energy
18 Ohio and Duke Energy Kentucky.

19 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC**
20 **UTILITIES COMMISSION OF OHIO (COMMISSION)?**

21 A. Yes, I have testified in several rider filings before the Commission.

1 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS**
2 **PROCEEDING?**

3 A. The purpose of my testimony is to explain the construction and management
4 practices of Duke Energy Ohio as they relate to the AMRP and the Riser
5 Replacement Program (RRP) for construction activities during calendar year
6 2012.

II. DESCRIPTION OF THE AMRP

7 **Q. PLEASE GENERALLY DESCRIBE THE AMRP.**

8 A. Duke Energy Ohio adopted the AMRP in 2000, with construction
9 beginning in 2001, to accelerate its replacement schedule for cast iron and bare
10 steel mains and associated service lines in order to improve the safety and
11 reliability of Duke Energy Ohio's natural gas distribution system.

12 When Duke Energy Ohio adopted this program, its cast iron pipe in
13 service dated back to 1873 and its bare steel pipe in service dated back to 1884.
14 Cast iron and bare steel pipe, however, are more prone to leaks than plastic and
15 coated, cathodically protected steel, which are now the material of choice for
16 main construction throughout the United States. In 1971, the U.S. Department of
17 Transportation (US DOT) adopted regulations removing cast iron from its list of
18 approved materials for new pipe construction.

19 Duke Energy Ohio adopted formal cast iron and bare steel main
20 replacement programs in 1988 and 1989, respectively. Each formal program
21 consisted of an internally developed program used in conjunction with two
22 commercially available programs; namely, the Cast Iron Maintenance

1 Optimization System (CIMOS[®]) and the Bare Steel Maintenance Optimization
2 System (BSMOS[®]), respectively. These programs identified certain factors
3 associated with cast iron and bare steel main activities, such as year installed,
4 operating pressure, length of pipe and number of prior activities. The programs
5 then generated a ranking system that Duke Energy Ohio used to determine which
6 sections of cast iron and bare steel main to replace. The in-house program is still
7 being used to target these types of pipe replacement projects.

8 Under the CIMOS[®] and BSMOS[®] programs, Duke Energy Ohio was
9 replacing the cast iron and bare steel mains on a replacement schedule that would
10 have taken approximately 90 years to complete. By that time, the mains that
11 Duke Energy Ohio would have been replacing would have been over 200 years
12 old.

13 **Q. PLEASE DESCRIBE THE PROGRESS DUKE ENERGY OHIO HAS**
14 **MADE IN INSTALLING NEW MAIN AND SERVICE LINES SINCE**
15 **INITIATING THE AMRP.**

16 A. Duke Energy Ohio's gas distribution system consists of approximately 5,509
17 miles of distribution mains. Prior to commencing the AMRP, Duke Energy Ohio
18 had approximately 1,200 miles of cast iron and bare steel main in service. As
19 reflected in the following table, Duke Energy Ohio has replaced approximately
20 1,014 miles of cast iron and bare steel mains since starting the AMRP
21 construction in 2001:

<u>Year</u>	<u>Miles Replaced</u>
2001	70
2002	102
2003	103
2004	99
2005	99
2006	86
2007	80
2008	76
2009	80
2010	70
2011	76
2012	73

1 Duke Energy Ohio has also replaced approximately 99,326 main-to-curb
2 service lines. Duke Energy Ohio estimates that it has approximately 143
3 remaining miles of cast iron and bare steel mains, according to Company
4 mapping records. According to Duke Energy Ohio plant records, Duke Energy
5 Ohio has therefore replaced nearly 88% of its cast iron and bare steel mains,
6 measured in terms of pipe length, since the AMRP has been in effect.

7 **Q. WHY HAVE THE MILES OF MAIN REPLACED DECLINED SINCE**
8 **2005?**

9 A. Duke Energy Ohio has managed to keep costs at the lowest possible levels
10 because over approximately 95% of the annual AMRP work is done using outside
11 contractors selected through a competitive bidding process. The competitive
12 bidding process allows Duke Energy Ohio to award contracts to the lowest and

1 best bidder. The Company has made investments in the AMRP each year,
2 consistent with the rate cap levels established by the Commission's May 30, 2002,
3 Order in Case No. 01-1228-GA-AIR and Case No. 07-589-GA-AIR. There are
4 three basic reasons why the number of miles Duke Energy Ohio can replace with
5 this level of investment has declined recently.

6 First, general inflation has prevented the Company from replacing the
7 same number of miles of main with the same level of investment. Costs for
8 construction materials and labor have increased significantly since 2005. In my
9 opinion, these cost increases result from other utilities adopting main and riser
10 replacement programs similar to the AMRP and RRP and also adopting integrity
11 management programs in response to new gas pipeline safety regulations
12 promulgated by the US DOT.

13 Second, the Company adopted new installation procedures in 2006 in
14 response to an incident in Middletown, Ohio, where a gas line breached a sewer
15 line. This circumstance was not discovered until a plumber augered out the
16 clogged sewer line. The plumber's auger pierced the gas line and caused an
17 explosion. Prior to this incident, Duke Energy Ohio relied on municipalities to
18 provide records of where their sewer lines were located. After this incident,
19 however, the Company's investigation revealed that some municipalities do not
20 maintain reliable records of sewer locations. To promote the safety of the general
21 public and Duke Energy Ohio's customers and employees, the Company changed
22 its installation practices to perform a pre-locate of the sewer lines before gas main
23 installation and to video-camera the location of the sewers after the gas main

1 installation. This additional work allows the Company to confirm that no sewer
2 line is breached during the gas main installation process. The Company also
3 limited the situations where it will allow installation of curb-to-meter service lines
4 using directional drilling. These new installation procedures have increased
5 AMRP costs but safety compels that the Company follow these additional
6 procedures.

7 Third, the Company is now replacing gas mains in more urban locations,
8 where more of the gas lines tend to be located under paved surfaces. This
9 increases the labor, material, and restoration costs necessary to replace the gas
10 mains and to restore the construction site to an acceptable condition. In addition,
11 Duke Energy Ohio is encountering more gas service lines in unacceptable
12 locations. The US DOT's Gas Pipeline Safety regulations require that gas service
13 lines be installed in locations that will not present safety hazards if a leak occurs.
14 Relocating the new gas service lines to a different, accessible location often
15 increases costs.

16 **Q. PLEASE DISCUSS THE BENEFITS OF THE AMRP PROGRAM TO**
17 **CUSTOMERS.**

18 A. The AMRP has been quite successful in allowing Duke Energy Ohio to reduce the
19 amount of cast iron and bare steel mains in its distribution system. This has
20 resulted in substantial benefits to Duke Energy Ohio's customers and to the public
21 at large.

22 Customers and the public at large benefit from the improved safety and
23 reliability of Duke Energy Ohio's natural gas distribution service. One key safety

1 measure of the AMRP's success is the leak rate for Duke Energy Ohio's gas
2 distribution system. The incidence of leaks repaired (excluding damages) has
3 decreased significantly, from 6,223 in 2002 to approximately 3,960 in 2012. In
4 addition, the severity of leaks reported has been reduced. Customer outages
5 resulting from water infiltration have also been reduced, thereby mitigating costly
6 emergency repairs and minimizing inconvenience to customers.

7 This reduced incidence of leaks has caused Duke Energy Ohio's
8 maintenance accounts associated with leaks to decline from approximately \$6.4
9 million in 2001 to \$ 3.9 million in 2012. To date, customers have realized
10 approximately \$21.6 million in maintenance savings through Rider AMRP.
11 These maintenance savings have been returned to customers through the Rider
12 AMRP tracking mechanism. Additionally, the maintenance savings were
13 reflected in the 2012 rate case. Customers also benefit from Rider AMRP because
14 Duke Energy Ohio has not had to file frequent and costly general gas rate cases to
15 recover its capital expenditures for the AMRP. The Commission has conducted
16 annual Rider AMRP proceedings for Duke Energy Ohio to update this tracking
17 mechanism in an efficient and expeditious manner.

18 In addition to these significant benefits, Duke Energy Ohio has been able
19 to coordinate certain construction activities with governmental agencies, thereby
20 reducing costs and limiting the inconvenience to the public. By way of example,
21 Duke Energy Ohio coordinates the replacement of natural gas facilities with
22 governmental agencies' road improvement projects. It also provides a long-term
23 construction schedule, which enables these agencies to identify those future

1 projects that may benefit from coordinated effort. The Company has also been
2 able to better integrate the existing natural gas distribution system. Prior to
3 starting the AMRP, Duke Energy Ohio's natural gas service territory included
4 areas where pressures were lowered to reduce leaks resulting from deteriorated
5 facilities. This, in turn, resulted in the system being segregated. The AMRP
6 allows Duke Energy Ohio to increase pressures without having to incur costs
7 associated with the construction of pressure improvements.

8 Finally, Duke Energy Ohio assumes ownership of the curb-to-meter
9 services when installing new services, replacing an existing service, or renewing a
10 riser. Given its expertise, as compared to the customer, Duke Energy Ohio is
11 better positioned to determine when equipment needs to be replaced.

12 **Q. PLEASE EXPLAIN DUKE ENERGY OHIO'S INTEGRITY**
13 **MANAGEMENT PROGRAM.**

14 A. Duke Energy Ohio developed its Transmission Integrity Management Program
15 (TIMP) in response to federal legislation issued in 2002 and accompanying
16 regulations, 49 Code of Federal Regulations (CFR) 192.1001, issued by the
17 Pipeline and Hazardous Material Safety Administration (PHMSA), US DOT.
18 These regulations require operators of hazardous liquid pipelines and natural gas
19 transmission pipelines to provide enhanced pipeline safety inspection and testing
20 activities for their facilities. The regulations also require the hazardous liquid
21 pipeline and natural gas transmission pipeline operators to develop a program to
22 identify all heavily populated areas traversed by their pipelines, develop a

1 baseline assessment plan, conduct periodic risk assessments, and implement
2 certain maintenance procedures.

3 In response to the law and regulations, Duke Energy Ohio developed its
4 TIMP in 2004. This program is a comprehensive, systematic approach to maintain
5 and improve the safety of the Company's hazardous liquid and transmission
6 pipeline system. The TIMP is comprised of five separate plans – Integrity
7 Management Plan, Performance Plan, Communications Plan, Management of
8 Change Plan, and Quality Control Plan – that provide the foundation for the
9 program and include the processes and procedures necessary to comply with the
10 laws and regulations.

11 The ongoing integrity activities for 2013 include: identifying high
12 consequence areas, evaluating pipeline threats and conducting risk assessments
13 for each covered pipeline segment, identifying and implementing additional
14 preventative and mitigative measures, conducting integrity assessments through
15 direct assessment methods, remediating conditions found during integrity
16 assessments, and conducting records research for Maximum Allowable Operating
17 (MAOP) verification.

18 Duke Energy Ohio developed its Distribution Integrity Management
19 Program (DIMP) in response to federal legislation, C.F.R. 192.1007, issued in
20 2010 and accompanying regulations issued by the PHMSA. These regulations
21 require operators of natural gas distribution pipelines to develop and implement
22 an integrity management program that includes a written integrity management
23 plan.

1 In response to the law and regulations, Duke Energy Ohio developed its
2 DIMP in 2011, which became effective August 2, 2011. This program is a
3 comprehensive systematic approach to maintain and improve the safety of the
4 Company's distribution pipeline system. The DIMP is comprised of seven key
5 elements: 1) Knowledge of System; 2) Indentify Threats; 3) Evaluate and Rank
6 Risks; 4) Identify and Implement Measures to Address Risks; 5) Measure
7 Performance, Monitor Results, and Evaluate Effectiveness; 6) Periodic Evaluation
8 and Improvement; and 7) Report Results. This information provides the
9 foundation for the program and includes the processes and procedures necessary
10 to comply with the laws and regulations.

11 The ongoing integrity activities for 2013 include: analyzing data, updating
12 a Threat and Risk Matrix, evaluating pipeline threats, and submitting annual
13 reports to document performance measures. The top threats within the DIMP are
14 corrosion on bare steel mains, graphitization on cast iron mains, corrosion on the
15 metallic services associated with cast iron and bare steel mains, the third-party
16 damage associated with cross-bores, pre-1971 coated steel services and
17 unprotected metallic services, third party damages, and two-inch Normac coupled
18 main.

19 **Q. HOW DOES DUKE ENERGY OHIO PLAN FOR CAST IRON AND BARE**
20 **STEEL MAIN REPLACEMENT UNDER THE AMRP?**

21 **A.** The AMRP is designed to replace the cast iron and bare steel, along with the
22 associated metallic services in the system.

1 The AMRP consist of four types of projects: Modules, CIMOS[®],
2 BSMOS[®], and Street Improvements. The Module work encompasses two- to
3 five-mile replacement segments and is a proactive program to replace cast iron
4 and bare steel. CIMOS[®] and BSMOS[®] are responsive programs to replace the
5 cast iron and bare steel in the system with the highest possibility of developing
6 future incidents. Street Improvement work involves replacing cast iron and bare
7 steel pipe as a result of projects initiated by governmental entities. In addition to
8 replacing cast iron and bare steel mains, Duke Energy Ohio replaces associated
9 services as part of the AMRP.

10 **Q. HOW MANY MILES OF CAST IRON AND BARE STEEL MAIN DOES**
11 **DUKE ENERGY OHIO PLAN TO REPLACE UNDER THE AMRP**
12 **DURING THE NEXT THREE YEARS AND WHAT IS THE PROJECTED**
13 **COST?**

14 A. From 2013 through 2015, Duke Energy Ohio plans to replace 143 miles of cast
15 iron and bare steel mains, main-to-curb services, and curb-to-meter services, at an
16 estimated cost of \$160 million.

17 **Q. DOES DUKE ENERGY OHIO CONTINUE TO COMPETITIVELY BID**
18 **THE WORK FOR THE AMRP PROGRAM?**

19 A. Yes. The competitive bid process has enabled Duke Energy Oho to execute the
20 AMRP efficiently since its inception. This has allowed Duke Energy Ohio to keep
21 its costs at reasonable levels. Additionally, Duke Energy Ohio has operated the
22 program such that it is on schedule and at competitive rates. Duke Energy Ohio

1 has maintained a replacement schedule that would allow it to complete the
2 program in a timely manner.

3 In addition to the customer benefits previously described, Duke Energy
4 Ohio's proficient implementation of the AMRP has allowed the Commission to
5 process the annual filings efficiently. Duke Energy Ohio anticipates that these
6 benefits will be realized throughout the remainder of the program.

7 **Q. IS DUKE ENERGY OHIO COMMITTED TO USING UNIT-BASED**
8 **PRICES FOR THE AMRP PROGRAM, EXCEPT IN SITUATIONS**
9 **OUTLINED IN PARAGRAPH 6 OF THE 2004 AMRP STIPULATION,**
10 **AND, IF SO, DID DUKE ENERGY OHIO FOLLOW THIS PRACTICE IN**
11 **2012?**

12 A. Yes. Duke Energy Ohio used unit-based prices for the contracts and paid
13 contractors the unit-based prices specified in the contracts, except for the types of
14 situations outlined in the Stipulation: (a) in the case of unanticipated conditions,
15 such as unusual field conditions not contemplated by the parties; (b) where a
16 governmental entity imposed additional construction requirements for work
17 within the right-of-way; (c) where a greater number of units was required for the
18 actual work versus the number of units contemplated in the plan drawings; or (d)
19 for certain types of construction activities where Duke Energy Ohio determined
20 that it would result in lower costs for the contractor to perform the work under
21 other price methods such as on a time and materials basis.

22 **Q. AT PARAGRAPH 11 OF THE 2004 AMRP STIPULATION, DUKE**
23 **ENERGY OHIO AGREED TO EXPLAIN WHY IT SELECTED THE**

1 **AREAS SCHEDULED FOR MODULE WORK UNDER THE AMRP IN**
2 **2012, INCLUDING THE REASONS WHY DUKE ENERGY OHIO**
3 **SELECTED EACH AREA, BASED ON SAFETY, RELIABILITY, AND**
4 **PERMITTING CONSIDERATIONS. PLEASE EXPLAIN HOW DUKE**
5 **ENERGY OHIO SELECTED THE MODULES FOR THE AMRP FOR**
6 **2012 BASED ON THESE CONSIDERATIONS.**

7 A. The module work is divided into nine categories, ranked from the highest
8 potential for reportable incidents first. Duke Energy Ohio also considers system
9 integrity, permit requirements, and public safety. System integrity is taken into
10 account when a large portion of a system is under construction. The Company
11 evaluates system integrity factors such as location of tie-ins, flow, system
12 pressures, and the time of year the tie-ins will be performed. Permitting agencies
13 require an orderly construction methodology so that an entire municipality will
14 not be directly affected, causing hardship throughout for municipal residents and
15 employees. Finally, flow of traffic must be considered for the traveling public.
16 Three of the modules constructed in 2012 were in the priority-two or -three
17 categories. One of the modules constructed in 2012 were in the priority five
18 category. Five of the modules constructed in 2012 were in the priority seven
19 category. The remaining modules were in the priority-eight or -nine category,
20 which spread the work over more of the system to reduce the hardship on
21 particular communities. This enabled Duke Energy Ohio to address safety
22 considerations, maintain system integrity, abide by permitting requirements, and
23 maintain safety to the traveling public for all construction activities.

III. DESCRIPTION OF THE RISER REPLACEMENT PROGRAM

1 **Q. PLEASE DISCUSS DUKE ENERGY OHIO'S REPLACEMENT OF GAS**
2 **RISERS PRIOR TO 2012.**

3 A. Duke Energy Ohio developed the Riser Optimization Program in 2004 to replace
4 certain types of field-assembled, flexible risers. In 2008, Duke Energy Ohio
5 implemented the RRP to complete the replacement of all field-assembled service
6 head adapter (SHA) risers by 2012. The flexible riser is a fitting that connects the
7 service line to the meter assembly on outside meters. One type of flexible riser
8 fitting is known as a SHA-style riser. Duke Energy Ohio developed both
9 replacement programs to replace field-assembled type SHA risers that have a high
10 propensity for leaks.

11 **Q. PLEASE EXPLAIN THE RISER OPTIMIZATION PROGRAM.**

12 A. The Riser Optimization Program is similar to the CIMOS[®] and BSMOS[®]
13 programs in that these programs identify criteria associated with past activities to
14 develop a replacement program. In fact, some of the criteria, such as operating
15 pressure, type of pipe material, and year of installation, are the same for all of the
16 programs. Under the Riser Optimization Program, Duke Energy Ohio annually
17 evaluates the activities associated with field-assembled SHA risers to determine
18 the number to be replaced. Duke Energy Ohio selects for replacement those risers
19 that have factors similar to risers associated with a high incidence of leaks.

20 **Q. PLEASE EXPLAIN THE RISER REPLACEMENT PROGRAM.**

21 The RRP is a program designed to methodically replace all field-assembled SHA
22 risers in a designated location, thereby allowing the Company to coordinate the

1 work activity of its outside contractors and schedule the work more efficiently.
2 This will reduce the overall costs of the RRP and minimize disruption and outages
3 for customers.

4 **Q. DID DUKE ENERGY OHIO MAKE ANY CHANGES RELATING TO ITS**
5 **RISER REPLACEMENT PRACTICES?**

6 A. In February 2008, the Company awarded each potential contractor fifty risers.
7 The risers were grouped together and the work was performed on a time and
8 materials basis with a price cap. This allowed each contractor to establish pricing
9 based upon actual work experience. In April 2008, Duke Energy Ohio bid the
10 remainder of the 2008 riser work. Three contracts were awarded in May and the
11 work began in June.

12 On September 24, 2008, Duke Energy Ohio bid three packages of risers
13 with a bid due date of October 15, 2008. The bid packages were for two years'
14 worth of work: 2009 and 2010. The rationale was to sync up with union
15 contracts, thus affording Duke Energy Ohio the ability to obtain the most
16 economical pricing. These projects were broken up by geographical location
17 (North, East, and West). One contractor proved to be the low bidder on all three
18 packages. After discussing the bids and the resource requirements for the RRP
19 and AMRP programs, Duke Energy Ohio determined that one contractor would
20 not have the resources to complete more than one bid package. Therefore, Duke
21 Energy Ohio decided that the packages should be given to three different
22 contractors. The three lowest bidders for each package were evaluated to
23 determine the lowest "Per House Cost" combination of contractors. The lowest

1 "Per House Cost" combination was selected and the packages were awarded.
2 Three contracts were awarded on November 13, 2008, and work began toward the
3 end of February 2009.

4 In May 2009, Duke Energy Ohio was made aware that additional
5 resources were available to perform RRP work. The decision to add new risers
6 was based on additional contractor resource availability due to other Ohio utilities
7 reducing work. Duke Energy Ohio decided to complete additional RRP risers in
8 2009. The "Per House Cost" for the five active riser contractors (two in Kentucky
9 and three in Ohio) was evaluated. Four contractors were found to be within a
10 close range. The fifth contractor was on the high end of the spread and therefore
11 was not initially considered. The resources of the four contractors were evaluated
12 through discussions with the contractors and it was determined that three of the
13 contractors could complete additional work. Additional risers were awarded to
14 the three contractors to be completed at the already awarded rates.

15 Two of the contractors awarded new Ohio risers were working only on
16 risers in Kentucky. Ohio riser work was given to the contractors working in
17 Kentucky only after the contractors working in Ohio had reached the limits of
18 their resources. The prices for the contractors working in Kentucky were
19 established through competitive bidding. Both contractors were low bidders for
20 their Kentucky contracts. The contractors agreed to use their competitively
21 awarded Kentucky prices for the work performed in Ohio.

22 During the process of evaluating the contractors, the fifth contractor
23 contacted Duke Energy Ohio and offered to resubmit its pricing in order to

1 perform additional riser work in Ohio. The fifth contractor agreed to use the
2 resubmitted pricing for all remaining riser work to be performed in 2009 and
3 2010. A new contract was created to reflect the new pricing. The new contract
4 with the fifth contractor resulted in an approximate savings of \$450,000.

5 In April 2010, Duke Energy Ohio was made aware that additional
6 resources were available to perform additional work. Duke Energy Ohio decided
7 to complete additional RRP risers in 2010. The decision to add new risers was
8 based on additional contractor resource availability. The resources of the three
9 active contractors in Ohio were evaluated through discussions with the contractors
10 and it was determined that two of the three contractors could complete the
11 additional work. Additional risers were awarded to the two contractors to be
12 completed at the already awarded rates.

13 In August 2010, Duke Energy Ohio was made aware that additional
14 resources were available to perform even more additional work. Duke Energy
15 Ohio decided to complete additional RRP risers in 2010. The decision to add new
16 risers was based on additional contractor resource availability due to the
17 completion of other projects in Ohio. The resources of the three active
18 contractors in Ohio were evaluated through discussions with the contractors and it
19 was determined that one of the three contractors could complete the additional
20 work. Additional risers were awarded to the one contractor to be completed at the
21 already awarded rates.

22 In October of 2010, Duke Energy Ohio bid the remaining field-assembled
23 risers to three contractors. Bids were received in early October 2010 and the

1 contract was awarded on October 18, 2010, to the lowest bidder. The work began
2 in January of 2011 and is finished according to our agreement with the
3 Commission by the end of 2012.

IV. CONCLUSION

4 **Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?**

5 A. Yes.