

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application of Duke)	
Energy Ohio – Walter C. Beckjord)	
Generating Station for Certification as an)	Case No. 09-1023-EL-REN
Eligible Ohio Renewable Energy Resource)	
Generating Facility.)	

**DUKE ENERGY OHIO, INC.
RESPONSES
TO
STAFF INTERROGATORIES**

Question 1:

In Section B, the application asks for facility owner information for each of multiple owners. In addition to the facility owner information provided by Duke Energy Ohio, Inc., please provide the information for Dayton Power & Light Company and American Electric Power, Inc., the other facility owners of Unit 6, as well.

Answer 1:

Duke Energy Ohio has filed an amendment to the application in this docket, correcting the ownership information to indicate that Columbus Southern Power Company should have been listed as one of the co-owners, rather than American Electric Power, Inc.

The requested contact information is as follows:

Gary Stephenson
Senior Vice President, Generation and Marketing
Dayton Power & Light
1065 Woodman Drive
Dayton, Ohio 45432
(937) 259-7163

Selwyn J. Dias
VP Regulatory & Finance
American Electric Power Service Corporation
850 Tech Center Drive
Gahanna, OH 43230

In addition, due to personnel changes, two additional contact persons should be updated: In Item B of the Application, Duke Energy Ohio had identified Michael Hofmann as the Vice President of Generation Operations Non-regulated. Mr. Hofmann should be replaced, in this Application, with Dave Ledonne, Senior Vice President, Midwest Commercial Operations. In addition, in Item D, the name of the contact person should be changed from Jim W. Cumbow, Station Manager, to David P. Beck, Asset Manager, Midwest Commercial Operations.

Question 2:

Should the application be approved by the Commission, please indicate the facility owner name or names that should appear on the certificate and the address to which the certificate should be sent.

Answer 2:

The facility owner name that should be on the certificate shall be Duke Energy Ohio, Inc. The certificate should be mailed to the following address:

Duke Energy Ohio
Attn: David Ledonne
Mail Code EA605
139 E. 4th St.
Cincinnati, OH 45202

Question 3:

Doc. No. 315451

In Section I, what is the expected heat content (BTU/lb.), moisture, ash and sulfur content for each of the fuel types listed, coal, and biomass sources? Please describe the source and process for determining these heating values, how they may be verified, as well as the frequency of this calculation under a regular schedule of operation.

Answer 3:

Coal supply to Beckjord station is typically sourced from West Virginia and Eastern Kentucky and has the following quality with associated test method; 12,000 BTU/lb. gross calorific value based on A.S.T.M. D1989, 13.5 % ash based on A.S.T.M. D3174 or D5142, 1.0 % sulfur based on A.S.T.M. D4239, 10.00 % moisture based on A.S.T.M. D3302 or D5142. Biomass resources that will be utilized may include wood, grasses and agricultural residues that can have variable heating values ranging from as low as 4,500 to as high as 7,500 BTU/lb gross caloric value.

Sulfur content is expected to be approximately 0.2 %. Moisture can range anywhere from 10 % up to as high as 60 %. Ash content is expected to range between 1 and 6 %. Test methods for determination of biomass quality should be the same as for coal. Coal and biomass will be sampled on an as delivered basis to an offsite barge loading facility by taking composite samples of each truckload. Biomass and coal blended fuel will be loaded onto barges from separate piles of each fuel and then shipped to the station. Delivered blended fuel quality will be determined by using existing automatic barge sampling equipment.

Question 4:

In addition to the projected annual generation given for each unit, what is the projected annual generation from each fuel type, including the renewable biomass resource, for each unit?

Answer 4: Anticipated total annual generation for each unit as well as generation by fuel type is the following:

Unit	Total annual generation	Annual generation from coal	Annual generation from biomass
1	0	0	0
2	350,000	0	350,000
3	0	0	0
4	919,800	873,810	45,990
5	1,563,660	1,485,477	78,183
6	2,765,970	2,627,672	138,298

* Anticipated co-firing percentage of approximately 5 % by heat

* Unit 2 is being evaluated as a dedicated biomass unit with a potential in service date of 2013

Question 5:

Please indicate the frequency with which the generation (MWh) of the renewable biomass resource will be calculated and reported to the tracking system.

Answer 5:

Currently expect to report on a monthly basis to tracking system.

Question 6:

Please explain how the quantities of each fuel type used will be measured and verified.

Answer 6:

Coal and biomass fuels will be measured separately prior to loading the barge from the terminal such that the exact portion of biomass in the blended fuel will be known. A certified belt scale will be used to convey coal while certified truck scales will be used to measure the amount of biomass fuel designated for a certain barge load.

Question 7:

In Section I.1, please provide the in-service date of each unit as modified for the use of a renewable resource, when available.

Answer 7:

We plan to begin testing biomass blends with coal beginning in early 2010 which initially should not require any equipment modifications at the facility in order to utilize the blended fuel. Fuel blends will be prepared off site. Regular biomass co-firing will likely require modifications to the facility such as upgrades to dust collection equipment, material handling and other modifications that will be apparent after testing. Also, we are evaluating a conversion of the unit 2 boiler and related auxiliary systems to allow for 100 % firing on biomass by 2013.

Question 8:

In Section II, the in-service dates of the units of the facility are given. Since the in-service dates are all before January 1, 1998, please indicate as per section H if the facility will be modified or retrofitted on or after January 1, 1998; and provide a detailed description of all of the modifications or retrofits that will be made to the facility, equipment, or process, including fuel

use, that rendered it eligible for consideration as a qualified renewable energy resource. Indicate the initial date of operation using the renewable resource when available. Please include this description as an exhibit and identify the subject matter in the heading of the exhibit.

Answer 8:

Initially, our plan is to co-fire biomass with coal and the modification is the addition of another fuel in the process. Test burns are expected to begin in early 2010 and the blended fuel will be prepared off site. Regular biomass co-firing will likely require modifications to the facility such as upgrades to dust collection equipment, material handling and other modifications that will be apparent after testing. Once we begin using biomass for renewable generation, the date and resource details will be filed in this case.

Question 9:

What are the estimated time frames for the use of the biomass resource and at what levels? In section G.10, you will be expected to provide an update to the Commission on the respective proportions of electricity output from the facility by fuel type.

Answer 9:

We plan to begin testing biomass blends with coal starting in early 2010 starting with 3 % and increasing up to as much as 10 %, depending upon equipment limitations. Initial testing is expected to last up to 3 months with approval from Ohio EPA. After the testing period, an application will likely be required with Ohio EPA to begin co-firing biomass on a consistent basis. Exact time frames and blend proportions will be submitted to the Commission as requested.

Question 10:

Please describe the content (fully characterize the fuel material) and sources of the biomass resources.

Answer 10:

Exact source and corresponding makeup will be provided once available. The most likely initial fuel will be woody biomass produced by whole tree chipping. These biomass resources will likely be local within a 50 mile radius of the coal loading terminal at mile post 8.6 of the Big Sandy River.

Question 11:

In J.1 and J.3, both RTO's are checked for the geographic location and balancing authority or control area operator for the facility. Please indicate the single RTO that is the correct response for these two questions.

Answer 11:

Beckjord unit 6 is co-owned by Dayton Power & Light, as well as Columbus Southern Power, who are members of PJM. Duke Energy's share of generation from this unit (as well as the wholly owned units 1 through 5) is dispatched into MISO.

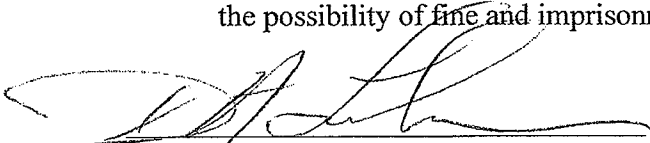
Question 12:

With regard to section K, please indicate the tracking system with which the renewable generation for the facility will be tracked. Please explain how the facility has been issued a generation i.d. number prior to state certification.

Answer 12:

Beckjord unit 6 is co-owned by Dayton Power & Light, as well as Columbus Southern Power, who are members of PJM and use GATs as their tracking system. Duke Energy's share of generation from these units is dispatched into MISO so RECs will be tracked in both GATs and M-RETs.

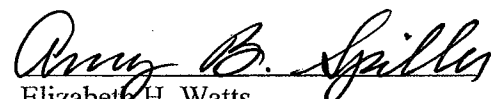
1. I am the duly authorized representative of the Walter C. Beckjord Generating Station.
2. I have personally examined and am familiar with all information contained in the foregoing responses, including any exhibits and attachments, and that based upon my inquiry of those persons immediately responsible for obtaining the information contained in the responses; I believe that the information is true, accurate and complete.
3. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Dave Ledonne
Senior Vice President, Midwest Commercial Operations
February 12, 2010

CERTIFICATE OF SERVICE

I certify that a copy of the foregoing was served via personal delivery or ordinary mail, postage prepaid, on the all parties of record this 12 day of February, 2010.



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Summary: Answer of Duke Energy Ohio, Inc. to Staff Interrogatories electronically filed by Anita M Schafer on behalf of Spiller, Amy B. Ms.