



Case Number: 17-0040-EL-REN

A. Generating Facility

Name of Renewable Generating Facility: Liberty III Landfill Gas Facility

The name specified will appear on the facility's certificate of eligibility issued by the Public Utilities Commission of Ohio.

Facility Location

Street Address: 9709 N. County Road 900 East

City: Monticello **State:** IN **County:** White **Zip Code:** 47960

Facility Latitude and Longitude

Latitude: 40.893222 **Longitude:** -86.696255

There are internet mapping tools available to determine the latitude and longitude, if you do not have this information.

If applicable, U.S. Department of Energy, Energy Information Administration Form EIA-860 Plant Name and Plant Code.

EIA-860 Plant Name: Liberty

EIA Plant Code: 56465

B. Legal Name of the Facility Owner

Please note that the facility owner name listed will be the name that appears on the certificate.

The address provided in this section is where the certificate will be sent.

If the facility has multiple owners, please provide the following information for each on additional sheets.

Legal Name of the Facility Owner: Wabash Valley Power Association, Inc.

Legal Name of Facility Owner Representative: Vicki, L, Myers

Title: Manager, Power Supply

Organization: Wabash Valley Power Association, Inc.

Street Address: 722 N. High School Road

City: Indianapolis **State:** IN **Zip Code:** 46214

Phone: 317-481-2833 **Fax:** 317-243-6416

Email Address: vickim@wvpa.com

Web Site Address (if applicable): www.wvpa.com

C. List the name, address, telephone number and web site address under which the Applicant will do business in Ohio

Legal Name of Facility Owner Representative: Vicki, L, Myers

Title: Manager, Power Supply

Organization: Wabash Valley Power Association, Inc.

Street Address: 722 N. High School Road

City: Indianapolis **State:** IN **Zip Code:** 46214

Phone: 317-481-2833 **Fax:** 317-243-6416

Email Address: vickim@wvpa.com

Web Site Address (if applicable): www.wvpa.com

D. Name of Generation Facility Operating Company

Name of Generation Facility Operating Company: Waste Management of Indiana, LLC

Legal Name of Contact Person: Chris Layer

Title: WMRE Regional Manager

Organization: Waste Management of Indiana, LLC

Street Address: 8966 N. 900 East

City: Monticello **State:** IN **Zip Code:** 47960

Phone: 574-278-1723 **Fax:**

Email Address: clayer@wm.com

Web Site Address (if applicable): www.wm.com

E. Regulatory/Emergency Contact

Legal Name of Contact Person: Vicki, L, Myers

Title: Manager, Power Supply

Organization: Wabash Valley Power Association, Inc.

Street Address: 722 N. High School Rd.

City: Indianapolis **State:** IN **Zip Code:** 46214

Phone: 317-481-2833 **Fax:** 317-243-6416

Email Address: vickim@wvpa.com

Web Site Address (if applicable): www.wvpa.com

F. Certification Criteria 1: Deliverability of the Generation into Ohio

Ohio Revised Code (ORC) Sec. 4928.64(B)(3)

The facility must have an interconnection with an electric utility.

Check which of the following applies to the facility's location:

No The facility is located in Ohio.

Yes The facility is located in a state geographically contiguous to Ohio (IN, KY, MI, PA, WV).

No The facility is located in the following state:

(If the renewable energy resource generation facility is not located in Ohio, Indiana, Kentucky, Michigan, Pennsylvania, or West Virginia, you are required to submit a POWER FLOW study by one of the regional transmission organizations (RTO) operating in Ohio, either PJM or Midwest ISO, demonstrating that the power from the facility is physically deliverable into the state of Ohio. This study must be appended to the application as an exhibit. THE FACILITY MUST BE INTERCONNECTED TO TRANSMISSION LINES. FOR ADDITIONAL INFORMATION ON DELIVERABILITY REQUIREMENTS, PLEASE REFER TO THE COMMISSION FINDING & ORDER of 3/23/11 IN CASE NO. 09-555-EL-REN.)

G. Certification Criteria 2: Qualified Resource or Technology

You should provide information for only one resource or technology on this application; please check and/or fill out only one of the sections below. If you are applying for more than one resource or technology, you will need to complete a separate application for each resource or technology.

G.1. For the resource or technology you identify in Sections G.4 - G.13 below, please provide a written description of the system.

Liberty III is a 6.4MW landfill gas to energy facility owned by Wabash Valley Power Association, Inc., and operated by Waste Management of Indiana, LLC. This facility is on White County REMC's electric lines and is connected to their Coonrod Substation. It is operated as a baseload facility, designed to operate 24 hours a day, 7 days a week. The heat input per engine is 14.5 MMBTU/hr. The power is generated at 4160 Volts and stepped up via a transformer to 12,470 Volts. The landfill gas supply is supplied under a 20 year agreement with the landfill and produced by decomposing refuse. The active gas extraction system collects landfill gas via a wells and pipe header system. The gas is filtered, dried and compressed to 10 psi. The heat content is approximately 550 Btu per cubic foot.

G.2. Please include a detailed description of how the output of the facility is going to be measured and verified, including the configuration of the meter(s) and the meter type(s).

The output of the facility is verified by a billing grade bi-directional metering system. The meter used is a Landis + Gyr MAXsys Elite. The facility is on White County REMC's electric lines and is behind their Coonrod Substation. Any excess energy produced by the plant that is not used by the REMC load at the Coonrod Substation, is recorded by NIPSCO and used to offset other Wabash Valley Power load within NIPSCO's service area. Wabash Valley Power and NIPSCO have entered into an Interconnection Agreement dated April 16, 1984.

G.3. Please submit digital photographs that depict an accurate characterization of the renewable generating facility. Please indicate the date(s) the photographs were taken. For existing facilities, these photographs must be submitted for your application to be reviewed. For proposed facilities or those under construction, photographs will be required to be filed within 30 days of the on-line date of the facility.

December 21, 2016



December 21, 2016





December 21, 2016





G.10__ BIOMASS (includes biologically-derived methane gas, such as landfill gas)

G.10a Identify the fuel type used by the facility:

Landfill gas: Yes

Solid fuel:

No Wood

No Agricultural

No Other

Wood and paper manufacturing waste: No

Biogas (anaerobic digestion):

No On-farm

No Wastewater treatment

No Food processing

No Other

Biofuel (biodiesel): No

Biomass (other): No

G.10b Describe the content (fully characterize the fuel material) and source of solid waste: 100% Landfill Gas

G.10c What is the expected heat content for each of the fuels used by the plant?

The heat content is approximately 550 Btu per cubic foot.

G.10d Is the facility co-firing more than one fuel type? No

If co-firing an electric generating facility with a biomass energy resource, the proportion of heat input attributable to the biomass energy resource shall dictate the proportion of electricity output from the facility that can be considered biomass energy.

G.10e List all fuel types used by the facility and respective proportions (show by the percent of heat input):

100% Landfill Gas

G.10f Please submit (or input here) the formula for computing the proportions of output per fuel type by MWh or kWh generated:

100% Landfill Gas

G.10g What is the projected annual gross generation from each fuel type?

50,000 MWh

H. Certification Criteria 3: Placed-in-Service Date (Sec. 4928.64. (A)(1) O.R.C.)

The Renewable Energy Facility:

No has a placed-in-service date before January 1, 1998; Date:

Yes has a placed-in-service date on or after January 1, 1998; Date: 1/4/17

No has been modified or retrofitted on or after January 1, 1998; Date:

Please provide a detailed description of the modifications or retrofits made to the facility that rendered it eligible for consideration as a qualified renewable energy resource. In your description, please include the date of initial operation and the date of modification or retrofit to use a qualified renewable resource. Please include this description as an exhibit attached to your application filing and identify the subject matter in the heading of the exhibit.

No Not yet online; projected in-service date:

H.1 Is the renewable energy facility owner a mercantile customer? No

ORC Sec. 4928.01 (19) "Mercantile customer" means a commercial or industrial customer if the electricity consumed is for nonresidential use and the customer consumes more than seven hundred thousand kilowatt hours per year or is part of a national account involving multiple facilities in one or more states.

Has the mercantile customer facility owner committed to integrate the resource under the provisions of Rule 4901:1-39-08 O.A.C? No

If yes, please insert/submit a copy of your approved application as an exhibit to this filing.

I. Facility Information

I.a The nameplate capacity of the entire facility kilowatts (kW): 6,400.00 (megawatts (MW): 6.4)

I.b If applicable, what is the expected heat rate of resource used per kWh of net generation:
9,063 BTU/kWh

I.1 For each generating unit, provide the following information:

<u>Unit In-Service Date</u>	<u>Unit Nameplate</u>	<u>Projected Gross</u>	<u>Expected Annual</u>	<u>Number of</u>
1/4/17	Capacity (MW)	Annual Generation	Capacity Factor %	Generating Units
	1.6	12,614	90.0	4
$\text{Capacity Factor \%} = \frac{\text{Projected Annual Generation}}{\text{Nameplate Capacity} \times 8,760} \times 100$				

J. Regional Transmission Organization Information

In which Regional Transmission Organization area is your facility located:

No Within Geographic Area of PJM Interconnection, L.L.C.

Yes Within Geographic Area of Midwest ISO

No Other (specify):

K. Attribute Tracking System Information

Are you currently registered with an attribute tracking system: No

In which attribute tracking system are you currently registered or in which do you intend to register (*the tracking system you identify will be the system the PUCO contacts with your eligibility certification*):

Yes GATS (Generation Attribute Tracking System)

No M-RETS (Midwest Renewable Energy Tracking System)

Other (specify):

K.1 Enter the generation ID number you have been assigned by the tracking system:

(If the generation ID number has not yet been assigned, you will need to file this number in the PUCO Case Docket within 15 days of the facility receiving this number from the tracking system).

K.2 Has any of the generation of the facility been tracked as RECS that have been sold or otherwise consumed? No

L. Other State Certification

Is the facility certified by another state as an eligible generating resource to meet the renewable portfolio standards of that state? No

L.1 If yes, for each state, provide the following information:

<u>Name of State</u>	<u>State Certification Agency</u>	<u>State Certification Number</u>	<u>Certification Date Issued</u>
<hr/>			

M. Type of Generating Facility

Please check all of the following that apply to the facility:

- No Utility Generating Facility:
- No Investor Owned Utility
- No Rural Electric Cooperative
- No Municipal System
- No Electric Services Company (competitive retail electric service provider certified by the PUCO)
- Yes Distributed Generation with a net metering and interconnection agreement with a utility.
Identify the Utility: White County REMC/NIPSCO
- No Distributed Generation with both on-site use and wholesale sales.
Identify the Utility:
- No Distributed Generation, interconnected without net metering.
Identify the Utility:
-

N. Meter Specifications

Metering Requirements

- 1. If the renewable energy resource generating facility is 6 kW or below, the output may be measured with either an inverter meter or a utility grade meter.*
- 2. All facilities that are larger than 6 kW must measure the output of the facility with a utility grade meter. Facilities that are larger than 6 kW and that are not measuring output with a utility grade meter will not be certified. OAC 4901:1-40-04 (D)(1)*
- 3. Please only report on the meter or the meters used to measure the output from the facility which will be reported to the attribute tracking system.*

N.a The meter(s) that are measuring output from the facility are:

No Inverter Meter(s)

Yes Utility Grade Meter(s) (Must meet ANSI 12.1, or demonstrate an accuracy level of $\pm 2\%$)

N.1 Please provide the following information for each meter used in your system.

N.1.a Manufacturer: Landis + Gyr

N.1.b Serial Number: 135342958

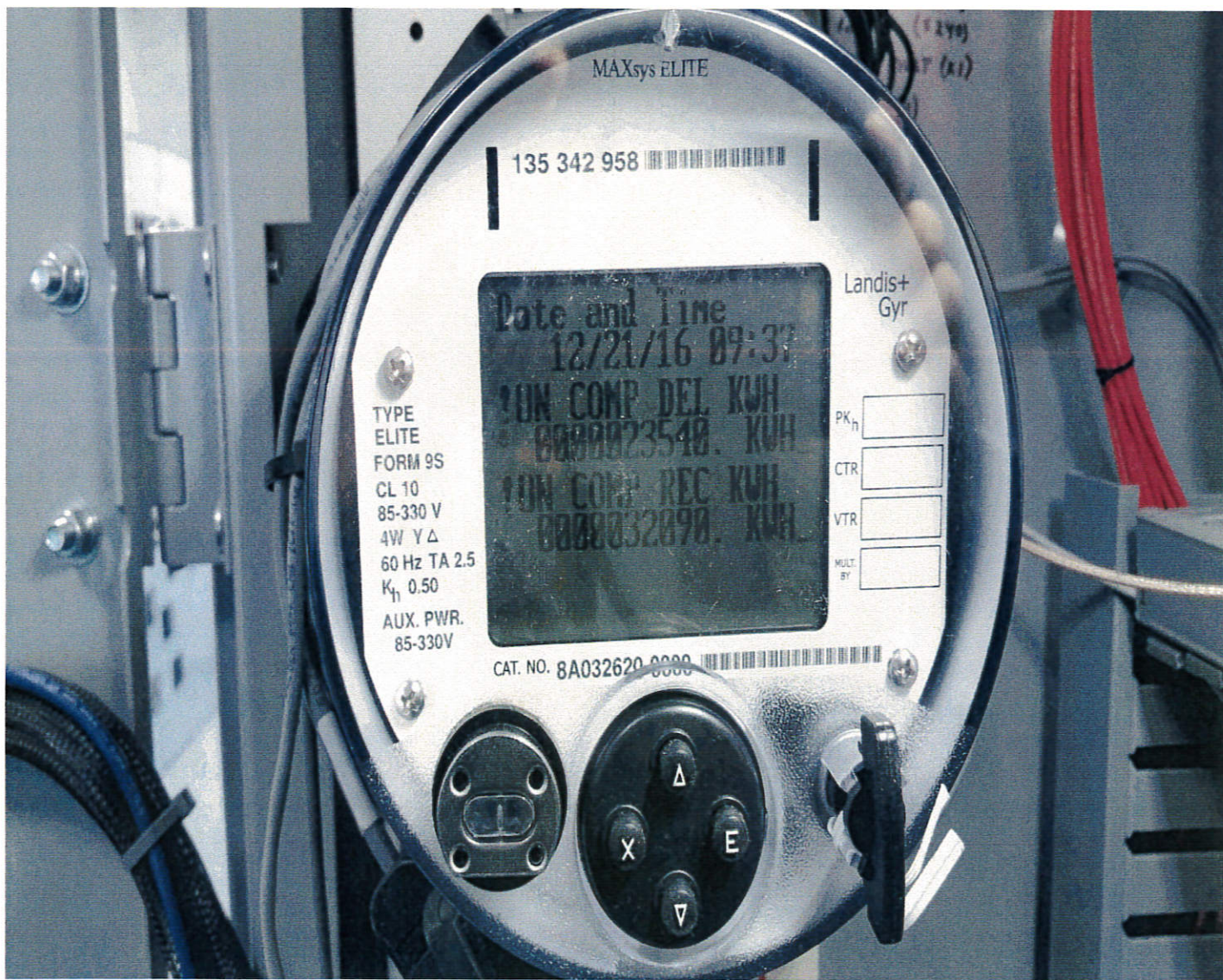
N.1.c Type: MAXsys Elite

N.1.d Date of Last Certification: December 01, 2016

Attach a photograph of the meter(s) with date image taken. The meter reading(s) must be clearly visible in the photograph.

N.1.e Report the total meter reading number at the time the photograph was taken and specify the appropriate unit of generation (e.g., kWh): 32082 kWh

12/21/2016 12:00:00AM





RECORDER ID: LIBERTY3LG GROUP: START TIME: 12/01/16 00:01
 LOCATION: CARROLL WHITE REMC CLOCK: 60 MINS STOP TIME: 01/04/17 15:00
 DEVICE ID: 1120007

CUSTOMER ID: LIBERTY3LG ADDRESS: CARROLL WHITE REMC
 NAME: LIBERTY 1 LG ELITE
 ACCOUNT #:

6 KW PEAKS (CHAN# 1), MTR# UNCOMP KWH D Readings: 0.00 - 42893.16

	DATE	TIME	KW	PULSES
* 1 *	12/19/16	14:00	135.00	135
* 2 *	01/04/17	12:00	127.00	127
* 3 *	12/21/16	11:00	118.00	118
* 4 *	12/15/16	14:00	103.00	103
* 5 *	12/15/16	12:00	102.00	102
* 6 *	12/15/16	07:00	100.00	100
TOTAL	KWH		48689.00@	43583
LOAD FACTOR			0.441	

6 KW PEAKS (CHAN# 2), MTR# UNCOMP KWH R Readings: 0.00 - 80548.31

	DATE	TIME	KW	PULSES
* 1 *	01/03/17	14:00	6121.00	6121
* 2 *	01/03/17	13:00	6112.00	6112
* 3 *	01/03/17	11:00	6102.00	6102
* 4 *	01/03/17	16:00	6098.00	6098
* 5 *	01/03/17	15:00	6095.00	6095
* 6 *	12/07/16	14:00	5092.00	5092
TOTAL	KWH		82823.40@	80041
LOAD FACTOR			0.017	

6 KW PEAKS (CHAN# 3), MTR# COMP1 KWH R Readings: 0.00 - 80525.44

	DATE	TIME	KW	PULSES
* 1 *	01/03/17	14:00	6119.00	6119
* 2 *	01/03/17	13:00	6110.00	6110
* 3 *	01/03/17	11:00	6100.00	6100
* 4 *	01/03/17	16:00	6096.00	6096
* 5 *	01/03/17	15:00	6092.00	6092
* 6 *	12/07/16	14:00	5090.00	5090
TOTAL	KWH		82800.40@	80018
LOAD FACTOR			0.017	

6 KW PEAKS (CHAN# 4), MTR# COMP2 KWH R Readings: 0.00 - 79924.78

	DATE	TIME	KW	PULSES
* 1 *	01/03/17	14:00	6071.00	6071
* 2 *	01/03/17	13:00	6062.00	6062
* 3 *	01/03/17	11:00	6052.00	6052
* 4 *	01/03/17	16:00	6048.00	6048
* 5 *	01/03/17	15:00	6044.00	6044
* 6 *	12/07/16	14:00	5054.00	5054
TOTAL	KWH		82181.20@	79421
LOAD FACTOR			0.017	

***** WARNING: LAPSE IN DATA *****

* - Interval Status Set # - Channel Status Set @ - Both Statuses Set

INTERVAL STATUS CODES:

PO-Power Outage , SI-Short(False) , LI-Long(Missing) , CR-CRC Chksum Err
 RA-RAM Chksum Err , RO-ROM Chksum Err , LA-Lapse in Data , CL-Hdwre Clock Err
 BR-Memory Reset , WT-Watchdog T-out , TR-Time Reset , TM-Test Mode
 LC-Load Control

CHANNEL STATUS CODES:

AD-Added Interval , RE-Replaced data , ES-Estimated data , OV-Data Overflow

RECORDER ID: LIBERTY3LG GROUP: START TIME: 12/01/16 00:01
 LOCATION: CARROLL WHITE REMC CLOCK: 60 MINS STOP TIME: 01/04/17 15:00
 DEVICE ID: 1120007

CUSTOMER ID: LIBERTY3LG ADDRESS: CARROLL WHITE REMC
 NAME: LIBERTY 1 LG ELITE
 ACCOUNT #:

6 KW PEAKS (CHAN# 5), MTR# COMP3 KWH R Readings: 0.00 - 78388.16

	DATE	TIME	KW	PULSES
* 1 *	01/03/17	14:00	5930.00	5930
* 2 *	01/03/17	13:00	5920.00	5920
* 3 *	01/03/17	11:00	5910.00	5910
* 4 *	01/03/17	16:00	5908.00	5908
* 5 *	01/03/17	15:00	5905.00	5905
* 6 *	12/07/16	14:00	4953.00	4953
TOTAL	KWH		80645.40@	77900
LOAD FACTOR			0.017	

6 KVAR PEAKS (CHAN# 6), MTR# COMP3 KVAR D Readings: 0.00 - 7876.66

	DATE	TIME	KVAR	PULSES
* 1 *	12/05/16	16:00	126.00	15
* 2 *	12/06/16	15:00	32.00	32
* 3 *	12/08/16	16:00	31.00	31
* 4 *	12/07/16	16:00	29.00	29
* 5 *	12/19/16	14:00	28.00	28
* 6 *	12/06/16	10:00	25.20	3
TOTAL	KVARH		9169.60@	8030

6 KVAR PEAKS (CHAN# 7), MTR# COMP3 KVAR R Readings: 0.00 - 13126.44

	DATE	TIME	KVAR	PULSES
* 1 *	01/03/17	11:00	980.00	980
* 2 *	01/03/17	13:00	948.00	948
* 3 *	01/03/17	16:00	920.00	920
* 4 *	01/03/17	14:00	911.00	911
* 5 *	01/03/17	15:00	894.00	894
* 6 *	12/07/16	14:00	870.00	870
TOTAL	KVARH		13246.80@	13010

***** WARNING: LAPSE IN DATA *****

* - Interval Status Set # - Channel Status Set @ - Both Statuses Set

INTERVAL STATUS CODES:

PO-Power Outage , SI-Short(False) , LI-Long(Missing) , CR-CRC Chksum Err
 RA-RAM Chksum Err , RO-ROM Chksum Err , LA-Lapse in Data , CL-Hdwre Clock Err
 BR-Memory Reset , WT-Watchdog T-out , TR-Time Reset , TM-Test Mode
 LC-Load Control

CHANNEL STATUS CODES:

AD-Added Interval , RE-Replaced data , ES-Estimated data , OV-Data Overflow
 HL-High/Low Limit , XC-Excluded Data , PY-Parity Error , TY-Enrgy Typ Chg
 LR-Alarm Error , DI-Harmonic Dstrtn IN-Pt-Pt Lin Interp CK-Check Estimation



Please be advised that all applicant's contact information, including address and telephone number, will be made public and is not subject to confidential treatment. Additionally, any information pertaining to trade secrets contained within the application will be made public unless filed under seal with a motion for protective order, pursuant to Rule 4901-1-24 of the Ohio Administrative Code.

Case Number: 17-0040-EL-REN

Facility Address: 9709 N. County Road 900 East
Monticello, IN 47960

Name of person making this affidavit: Vicki Myers

State of Indiana
County of Marion

The undersigned, being duly sworn according to law, deposes and says that:

1. I am authorized to and do hereby make this affidavit on behalf of the Applicant,
2. All facts and statements made in the application for certification, including all attachments and supplemental information or filings, are true and complete to the best of my knowledge, information, and belief,
3. The facility has obtained or will obtain and will maintain all required local, state, and federal environmental permits,
4. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Vicki Myers, Manager, Power Supply
Signature of Affiant & Title

Sworn and subscribed before me this 5th day of January, 2017 Month/Year

STATE OF INDIANA - COUNTY OF MARION

Cheryl L. Morton
Notary Cheryl L. Morton

County of Residence:
Boone

My commission expires on 6/27/24

The Public Utilities Commission of Ohio reserves the right to verify the accuracy of the data reported to the tracking system and to the PUCO.

Version: June 3, 2013

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Commission of Ohio Docketing Information System on

1/5/2017 1:01:23 PM

in

Case No(s). 17-0040-EL-REN

Summary: Application Ohio Renewable Energy Resource Generating Facility Application for Liberty III Landfill Gas Facility electronically filed by Mrs. Vicki L Myers on behalf of Wabash Valley Power Association