

January 3, 2013

Ms. Barcy F. McNeal, Secretary
The Ohio Power Siting Board
180 East Broad Street
Columbus, Ohio 43215

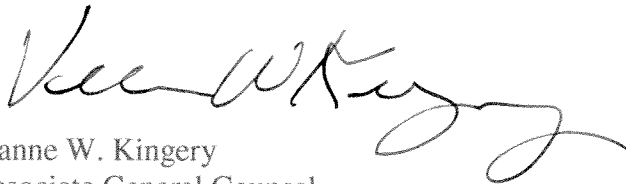
Re: PUCO Case No. 13-0027-EL-BNR, Construction Notice- Meldahl Dam Transmission Tap
Line

Dear Ms. McNeal,

In accordance with O.A.C. Rule 4906-11-02, Duke Energy Ohio, Inc., hereby submits a Construction Notice for the construction of a 345 kV tap line loop to connect the existing Duke Energy Ohio 345 kV line with the new Meldahl Dam substation switching station. The project is located in Clermont County.

Construction is scheduled to begin immediately upon approval by the Ohio Power Siting Board, late in the first quarter of 2013.

Should you have any questions, please feel free to contact us.



Jeanne W. Kingery
Associate General Counsel
155 East Broad St, 21st Floor
Columbus, OH 43215

CONSTRUCTION NOTICE

***SUBMITTED PURSUANT TO
OHIO ADMINISTRATIVE CODE 4906-11-02***

Meldahl Dam Transmission Tap Line

PUCO Case No. 13- 0027 -EL-BNR

DUKE ENERGY OHIO

January 3, 2013

1. Project Name: Meldahl Dam Transmission Tap Line

2. Project Description: This project is in response to the construction of the City of Hamilton Meldahl Dam generation project which was permitted separately with the PUCO. The scope for the Duke Energy portion of this project involves the construction of a Transmission 345 kV tap line loop connecting the existing Duke 345kV line with the new Meldahl Dam substation switching station. A map of the project location is attached to this Construction Notice; a larger scale map of the project site is also attached.

This project meets the requirements of a Construction Notice as it falls under “New Construction of Single Circuit Transmission Lines, 300 kV and above and not greater than 0.1 mile in length” (OAC 4906-1-01, Appendix A). The length of the transmission line loop is 527’ which is under 0.1 mile length.

Access to the site will be from Chilo Cemetery-McKendree Chapel Road which is located immediately to the north of the project site. Vegetation clearing, filing, and grading will be completed on the site prior to the start of the project.

3. Project Need: This project is required to connect the new Meldahl Dam Hydroelectric project to electric grid via the existing Duke Energy 345kV transmission line. If the project does not proceed as proposed then the electricity generated by the Meldahl Hydroelectric Plant will not reach the electric grid.

4. Schedule: Foundation construction is planned to start immediately upon PUCO approval in late 1st quarter 2013. The project has an expected construction end date of October 31, 2013, with a proposed in-service date of November 21, 2013.

5. Capital Cost: The capital cost of the project is approximately **\$1,100,000**.

6. Operating Features: The Transmission Line will bisect the existing Duke Energy F-44541 345kV transmission line directly adjacent to the Meldahl Dam transmission/switching station. Six (6) concrete foundations will be constructed, 3 on either terminating side of the line bisect, and 85'-95' steel poles secured to the foundations. From the new poles, new transmission 954KCM 45X7 ACSR bundled 345kV will loop in and out of the new substation.

7. Map and Directions: A map of the project location is attached to this Construction Notice. One way to reach the project is by taking SR 222 from Stringtown, Ohio approximately 2.0 miles to Chilo Cemetery-McKendree Chapel Road on Right. Travel approximately 1.0 miles to project site on left.

8. Property Agreements and Easements: The entirety of this project is located on property owned by City of Hamilton and AMP Ohio. Duke Energy will have perpetual easements for 345kV transmission line loop and ingress/egress. All land rights are considered secured.

Public Notifications: A copy of the letter transmitting this Construction Notice to Clermont County Commissioner is included in Appendix A. No public information program, materials, or meetings were conducted for the siting of this proposed facility.

MELDAHL
INTERCONNECTION
SUBSTATION

B

Bear Creek Rd

Ohio Cemetery-McKendree Rd

2350' TO BOLENDER ROAD

Bert Reed Rd

Read Rd

Ohio Cemetery-McKendree Rd

222

Chilo Cemetery

222



Vicinity Map

Meldahl substation adjacent to Ohio Cemetery-McKendree Road

TITLE Meldahl Dam Interconnection Substation Vicinity Map			
Co-op	Jason Fischer	LOCATION	Perpendicular to Ohio Cemetery-McKendree Road
DATE	08/ 30/ 12	CKD	RSZ

APPENDIX A
LETTER TO OFFICIAL



1000 E. Main Street
Plainfield, IN 46168
317-838-2428
317-838-4747 fax

January 3, 2013

Commissioner Bob Proud
Clermont County Commissioners
101 East Main Street
Suite 329
Batavia, Ohio 45103

RE: Meldahl Dam Hydroelectric – Duke Energy Transmission Line Project

Dear Commissioner Proud:

Please find enclosed a copy of a Construction Notice that Duke Energy Ohio sent to the Public Utilities Commission of Ohio, Ohio Power Siting Board regarding the planned construction of a Transmission Line associated with the Meldahl Dam Hydroelectric Project located along Chilo Cemetery-McKendree Chapel Road near Bolender Road.

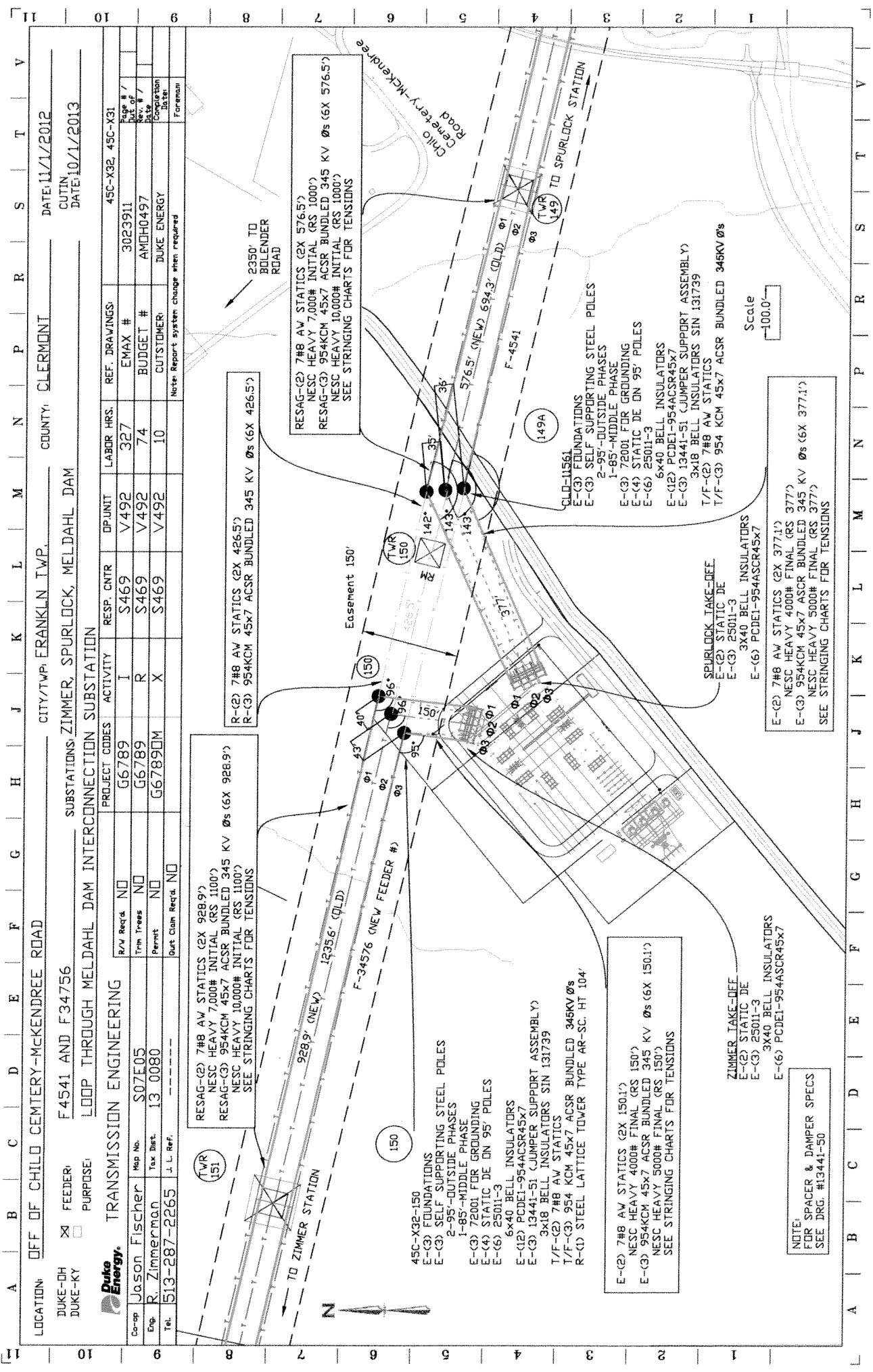
In accordance with Ohio Administrative Code (OAC) 4906-1-01 Appendix A, we are required to prepare this Construction Notice for the Ohio Power Siting Board and in compliance with OAC 4906-11-02(C); we are hereby providing you with a copy. Please feel free to call me at (317) 694-7483 if you have any questions about this project.


Sincerely,

Glenn Hauser
Duke Energy Engineering

Enclosure

Cc Public Utilities Commission of Ohio



LOCATION: OFF OF CHILO CEMTERY-MCKENDREE ROAD										CITY/TWP: FRANKLN TWP.										COUNTY: CLERMONT										DATE: 11/1/2012																			
DUKE-DH DUKE-KY										F4541 AND F34756										SUBSTATIONS: ZIMMER, SPURLOCK, MELDAHL DAM										CUTIN DATE: 10/1/2013																			
<input checked="" type="checkbox"/> FEEDER: <input type="checkbox"/> PURPOSE:										LOOP THROUGH MELDAHL DAM INTERCONNECTION SUBSTATION																																							
 TRANSMISSION ENGINEERING																														45C-X32, 45C-X31																			
Co-op		Jason Fischer		Map No.		S07E05		R/V Req'd		NO		PROJECT CODES		ACTIVITY		RESP. CNTR		DP UNIT		LABOR HRS.		REF. DRAWINGS		EMAX #		3023911		Page # /		Rev. # /		3023911		Page # /		Rev. # /													
Eng.		R. Zimmerman		Tax Dist.		13 0080		Trim Trees		NO		G6789		R		S469		V492		74		BUDGET #		AMH0497		AMH0497		Rev. # /		Rev. # /		AMH0497		Rev. # /															
Tel.		513-287-2265		J. L. Ref.		-----		Permit		NO		G6789DM		X		S469		V492		10		CUSTOMER:		DUKE ENERGY		DUKE ENERGY		Revision Date		Revision Date		Revision Date		Revision Date															
										Out Clean Req'd. NO																				Note: Report system change when required										Foreman									

RESAG-(2) 7#8 AV STATICS (2X 928.9')
NESC HEAVY 7000# INITIAL (RS 1100')
RESAG-(3) 954KCM 45x7 ACSR BUNDLED 345 KV Øs (6X 928.9')
NESC HEAVY 10000# INITIAL (RS 1100')
SEE STRINGING CHARTS FOR TENSIONS

R-(2) 7#8 AV STATICS (2X 426.5')
R-(3) 954KCM 45x7 ACSR BUNDLED 345 KV Øs (6X 426.5')

RESAG-(2) 7#8 AV STATICS (2X 576.5')
NESC HEAVY 7000# INITIAL (RS 1000')
RESAG-(3) 954KCM 45x7 ACSR BUNDLED 345 KV Øs (6X 576.5')
NESC HEAVY 10000# INITIAL (RS 1000')
SEE STRINGING CHARTS FOR TENSIONS

45C-X32-150
E-(3) FOUNDATIONS
E-(3) SELF SUPPORTING STEEL POLES
E-(3) 2-95'-MIDDLE PHASE
E-(3) 7200I FOR GROUNDING
E-(4) STATIC DE ON 95' POLES
E-(6) 25011-3
6x40 BELL INSULATORS
E-(12) PCDEI-954ACSR45x7
E-(3) 13441-51 JUMPER SUPPORT ASSEMBLY
T/F-(2) 7#8 AV STATICS
T/F-(3) 954 KCM 45x7 ACSR BUNDLED 345KV Øs
R-(1) STEEL LATTICE TOWER TYPE AR-SC HT 104'

E-(2) 7#8 AV STATICS (2X 1501')
NESC HEAVY 4000# FINAL (RS 150')
E-(3) 954KCM 45x7 ACSR BUNDLED 345 KV Øs (6X 1501')
NESC HEAVY 5000# FINAL (RS 150')
SEE STRINGING CHARTS FOR TENSIONS

ZIMMER TAKE-OFF
E-(2) STATIC DE
E-(3) 25011-3
3x40 BELL INSULATORS
E-(6) PCDEI-954ACSR45x7

E-(2) 7#8 AV STATICS (2X 377.1')
NESC HEAVY 4000# FINAL (RS 377')
E-(3) 954KCM 45x7 ACSR BUNDLED 345 KV Øs (6X 377.1')
NESC HEAVY 5000# FINAL (RS 377')
SEE STRINGING CHARTS FOR TENSIONS

SPURLOCK TAKE-OFF
E-(2) STATIC DE
E-(3) 25011-3
3x40 BELL INSULATORS
E-(6) PCDEI-954ACSR45x7

Scale
100.0'

NOTE:
FOR SPACER & DAMPER SPECS
SEE DRG. #13441-50