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PUCO EXHIBIT FILING

Date of Hearing: 5/23/2019

Case No. 17-1914-EL-RDR

PUCO Case Caption: In the Matter of the Ohio Power
Company to Update Its Enhanced Service
Reliability Rider

List of exhibits being filed:

OCC 1B

OCC 1A

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Reporter's Signature: Karen Sue Gibson

Date Submitted: 6/6/2019

BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

- - -

In the Matter of the :
Application to Update Its :
Enhanced Service : Case No. 17-1914-EL-RDR
Reliability Rider. :
- - -

PROCEEDINGS

before Ms. Greta See and Ms. Sarah Parrot, Attorney
Examiners, at the Public Utilities Commission of
Ohio, 180 East Broad Street, Room 11-C, Columbus,
Ohio, called at 9:00 a.m. on Thursday, May 23, 2019.

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ARMSTRONG & OKEY, INC.
222 East Town Street, Second Floor
Columbus, Ohio 43215-5201
(614) 224-9481 - (800) 223-9481

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OHIO POWER COMPANY'S RESPONSE TO
THE OFFICE OF THE OHIO CONSUMERS' COUNSEL'S
DISCOVERY REQUEST
PUCO CASE 17-1914-EL-RDR
FIRST SET



INTERROGATORY

OCC-INT-1-004

Referring to Figure 2 in the April 18, 2019 Direct Testimony of Ms. Moore on page 12, on an annual basis between 2005 and 2018:

- a. What was the annual System Average Interruption Frequency Index ("SAIFI") for each year between 2005 and 2018 due to vegetation?
- b. Does the SAIDI data that is included in Figure 2 include or exclude outage data during major events as defined in Ohio Adm. Code 4901:1-10-01(T)?
- c. What is the total number of outage events where the outage was categorized as outside ROW for each year?
- d. What is the total number of customer interruptions where the outage was categorized as outside ROW for each year?
- e. What is the total number of customer minutes interrupted where the outage was categorized as outside ROW for each year?
- f. What is the total number of outage events where the outage was categorized as inside ROW for each year?
- g. What is the total number of customer interruptions where the outage was categorized as inside ROW for each year?
- h. What is the total number of customer minutes interrupted where the outage was categorized as inside ROW for each year?

RESPONSE

- a. The annual SAIFI attributed to vegetation causes has been:

Year	Trees Inside RoW	Trees Out of RoW	Vegetation Total
2005	0.169	0.107	0.276
2006	0.136	0.101	0.237
2007	0.140	0.155	0.295
2008	0.132	0.193	0.325
2009	0.069	0.104	0.173
2010	0.069	0.125	0.194
2011	0.068	0.135	0.203
2012	0.047	0.125	0.172
2013	0.025	0.122	0.147

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2014	0.024	0.114	0.138
2015	0.012	0.141	0.153
2016	0.016	0.161	0.176
2017	0.012	0.200	0.213
2018	0.015	0.263	0.278

b. The outage data illustrated in Figure 2 excludes major event days.

c-h. The requested data for Items c through h is shown in the following table:

Year	Trees Out of RoW			Trees Inside RoW		
	Records (c)	CI (d)	CMI (e)	Records (f)	CI (g)	CMI (h)
2005	2,982	150,752	28,411,698	3,498	238,437	43,988,707
2006	3,068	145,659	32,817,690	3,373	196,317	36,491,991
2007	3,840	224,801	45,634,531	3,132	203,429	41,456,325
2008	4,663	279,609	63,088,859	3,536	190,619	40,878,647
2009	3,291	150,568	33,135,693	2,441	100,625	20,061,895
2010	3,684	180,243	38,181,170	2,724	99,896	21,228,740
2011	4,188	195,666	41,057,269	2,619	98,535	21,290,922
2012	3,632	180,838	37,637,838	1,821	68,704	12,820,034
2013	3,723	177,454	38,032,324	1,121	36,161	8,409,376
2014	3,721	166,036	40,032,608	847	34,980	6,516,202
2015	4,208	205,960	42,158,055	643	16,851	2,909,076
2016	4,538	234,740	47,675,875	545	22,800	3,543,288
2017	5,955	295,081	64,464,058	494	18,092	3,758,609
2018	6,821	389,309	93,424,121	566	21,791	4,257,405

Table 2: Tree-Caused Outages (2009 – 2018)¹

Year	Interruptions	Customers Interrupted	Customer Interrupted Minutes	Average Interruption Duration (Minutes)
2009	5,732	251,193	53,197,588	212
2010	6,408	280,139	59,409,910	212
2011	6,807	294,201	62,348,191	212
2012	5,453	249,542	50,457,872	202
2013	4,844	213,615	46,441,700	217
2014	4,568	201,016	46,548,810	232
2015	4,851	222,811	45,067,131	202
2016	5,083	257,540	51,219,163	199
2017	6,449	313,173	68,222,667	218
2018	7,387	411,100	97,681,526	238

¹ Ohio Power Company Response to OCC-INT-1-004