

Wabash Valley Power Association, Inc.

2020 Integrated Resource Plan Technical Appendix

November 1, 2021

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Appendix A

A. Capacity Plan (UCAP Capacity) (IRP21)

Base Existing Policy Expansion
Alternate Existing Policy Expansion

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**Wabash Valley Power Association
Capacity Plan (UCAP Capacity)
2020 Integrated Resource Plan (Base Existing Policy Expansion)**
Study: IRP 2021

Resource	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Baseload 1	133.2	141.1	141.1	141.1	141.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baseload 2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	-	-	-
Baseload 3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
Peaker 1	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	-	-	-
Baseload 4 - PPA	160.0	170.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	105.0	-	-	-	-	-	-	-	-	-
Baseload 5 - PPA	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	39.4	-	-	-	-	-	-	-	-
Baseload 6 - PPA	55.0	55.0	55.0	55.0	32.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baseload 7 - PPA	143.3	146.0	146.2	146.5	146.8	147.1	147.5	147.9	148.5	148.8	149.1	149.6	150.1	-	-	-	-	-	-	-
Landfill Gas 1	43.3	46.1	48.8	48.8	48.8	48.8	48.8	45.3	38.0	35.5	33.7	33.7	32.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9
Combined Cycle 1	286.0	286.0	286.0	286.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0
Peaker 2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
Peaker 3	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1
Peaker 4 - PPA	47.9	47.9	47.9	47.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wind 1 - PPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	-	-
Wind 2 - PPA	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	-
Wind 3 - PPA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	-	-	-	-	-	-	-	-	-	-	-
Wind 4 - PPA	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	-	-	-
Wind 5 - PPA	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	-	-
Landfill Gas 2 - PPA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	-
Solar 1	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Solar 2 - PPA	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
Solar 3 - PPA	-	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
Solar 4 - PPA	-	-	-	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
Demand Response	62.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
Capacity Purchases	-	25.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-
Total Owned & Contracted Capacity	1,575.2	1,674.8	1,712.7	1,812.5	1,762.0	1,589.1	1,589.5	1,586.4	1,579.5	1,578.8	1,502.3	1,369.6	1,329.8	1,127.8	1,127.8	1,127.8	1,127.8	956.7	948.4	925.3
Planned Expansion																				
Capacity Purchase	285.0	496.0	103.0	25.0	80.0	108.0	114.0	87.0	102.0	33.0	41.0	12.0	8.0	64.0	15.0	-	-	69.0	-	15.0
Wind PPA	-	-	-	-	-	-	-	-	-	-	-	-	7.5	7.5	22.5	82.5	82.5	97.5	172.5	172.5
Solar PPA	-	-	-	-	-	-	-	-	-	75.0	150.0	325.0	325.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
Combined Cycle	-	-	-	-	-	150.0	150.0	150.0	150.0	150.0	150.0	150.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0
Combustion Turbine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.0	50.0	50.0	150.0	200.0	200.0
Battery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demand Response	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Energy Efficiency - COM	-	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Energy Efficiency - IIND	-	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Energy Efficiency - RES	-	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	10.0	10.0	10.0	10.0	9.0	9.0	8.0	7.0	6.0
Total Planned Expansion	285.0	501.0	113.0	40.0	100.0	283.0	294.0	272.0	292.0	303.0	391.0	537.0	590.5	821.5	837.5	881.5	881.5	1,064.5	1,119.5	1,133.5
Total UCAP Capacity	1,860.2	2,175.8	1,825.7	1,852.5	1,862.0	1,872.1	1,883.5	1,858.4	1,871.5	1,881.8	1,893.3	1,906.6	1,920.3	1,949.3	1,965.3	2,009.3	2,009.3	2,021.2	2,067.9	2,058.8
MISO Load																				
MISO Load	1,660.6	1,706.5	1,721.9	1,745.7	1,755.1	1,764.3	1,773.8	1,586.7	1,598.4	1,607.6	1,617.7	1,629.4	1,641.6	1,806.2	1,821.5	1,837.8	1,855.1	1,872.5	1,890.6	1,907.4
AEP Load Following Load	143.3	146.0	146.2	146.5	146.8	147.1	147.5	147.9	148.5	148.8	149.1	149.6	150.1	-	-	-	-	-	-	-
Less Interruptible Load	(198.0)	(193.0)	(193.0)	(193.0)	(193.0)	(193.0)	(193.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)
Capacity Sales	1,605.9	1,659.5	1,675.1	1,699.3	1,709.0	1,718.4	1,728.3	1,719.7	1,732.0	1,741.4	1,751.9	1,764.0	1,776.8	1,791.2	1,806.5	1,822.9	1,840.2	1,857.6	1,875.7	1,892.4
Reserve/Loss Requirements	101.0	338.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Power Supply Requirements	1,444.5	1,485.5	1,498.8	1,519.9	1,527.7	1,535.5	1,543.3	1,388.0	1,391.1	1,399.9	1,407.7	1,418.8	1,428.8	1,571.1	1,585.5	1,599.9	1,614.4	1,629.9	1,644.5	1,659.9
Total Wabash Valley Long (Short)	8.8	29.7	0.7	1.4	0.3	0.2	0.9	0.8	0.5	0.5	0.7	0.8	0.7	1.0	0.3	26.5	7.7	0.7	27.7	0.5
Target MISO UCAP Reserve %	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%
Plan Reserve Margin %	8.70%	8.71%	8.74%	8.78%	8.72%	8.71%	8.75%	8.75%	8.73%	8.73%	8.74%	8.75%	8.74%	8.75%	8.72%	10.14%	9.12%	8.74%	10.17%	8.72%

(1) All resources are reported at their UCAP Capacity Value

(2) Current MISO UCAP capacity requirement is 8.7%; Supporting information: <https://cdn.misoenergy.org/20210907%20LOLEWG%20Item%2003%20PY%202022-23%20Preliminary%20LOLE%20Study%20Results586120.pdf>

**Wabash Valley Power Association
Capacity Plan (UCAP Capacity)
2020 Integrated Resource Plan (Alternate Existing Policy Expansion)**
Study: IRP 2021

Resource	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Baseload 1	133.2	141.1	141.1	141.1	141.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baseload 2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
Baseload 3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
Peaker 1	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	-	-	-
Baseload 4 - PPA	160.0	170.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	180.0	-	-	-
Baseload 5 - PPA	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	39.4	-	-	-	-	-	-	-	-
Baseload 6 - PPA	55.0	55.0	55.0	55.0	32.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baseload 7 - PPA	143.3	146.0	146.2	146.5	146.8	147.1	147.5	147.9	148.5	148.8	149.1	149.6	150.1	-	-	-	-	-	-	-
Landfill Gas 1	43.3	46.1	48.8	48.8	48.8	48.8	48.8	45.3	38.0	35.5	33.7	32.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
Combined Cycle 1	286.0	286.0	286.0	286.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0
Peaker 2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
Peaker 3	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1
Peaker 4 - PPA	47.9	47.9	47.9	47.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wind 1 - PPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	-
Wind 2 - PPA	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	-
Wind 3 - PPA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	-	-	-	-	-	-	-	-	-	-	-
Wind 4 - PPA	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	-	-
Wind 5 - PPA	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	-	-
Landfill Gas 2 - PPA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	-
Solar 1	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Solar 2 - PPA	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
Solar 3 - PPA	-	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
Solar 4 - PPA	-	-	-	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
Demand Response	62.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
Capacity Purchases	-	25.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-
Total Owned & Contracted Capacity	1,575.2	1,674.8	1,712.7	1,812.5	1,762.0	1,589.1	1,589.5	1,586.4	1,579.5	1,578.8	1,502.3	1,369.6	1,329.8	1,127.8	1,127.8	1,127.8	1,127.8	956.7	946.4	925.3
Planned Expansion																				
Capacity Purchase	285.0	496.0	103.0	25.0	80.0	135.0	137.0	110.0	100.0	6.0	14.0	85.0	1.0	99.0	16.0	-	-	110.0	-	-
Wind PPA	-	-	-	-	-	-	-	-	-	-	-	-	37.5	45.0	45.0	97.5	97.5	127.5	165.0	165.0
Solar PPA	-	-	-	-	-	125.0	125.0	125.0	150.0	250.0	325.0	400.0	400.0	525.0	525.0	525.0	525.0	525.0	525.0	525.0
Combined Cycle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combustion Turbine	-	-	-	-	-	-	-	-	-	-	-	-	100.0	100.0	200.0	200.0	250.0	250.0	400.0	400.0
Battery	-	-	-	-	-	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Demand Response	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Energy Efficiency - COM	-	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Energy Efficiency - IND	-	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Energy Efficiency - RES	-	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0
Total Planned Expansion	285.0	501.0	113.0	40.0	100.0	286.0	294.0	272.0	292.0	303.0	391.0	537.0	590.5	821.0	838.0	874.5	924.5	1,064.5	1,142.0	1,141.0
Total UCAP Capacity	1,860.2	2,175.8	1,825.7	1,852.5	1,862.0	1,875.1	1,883.5	1,858.4	1,871.5	1,881.8	1,893.3	1,906.6	1,920.3	1,948.8	1,965.8	2,002.3	2,052.3	2,021.2	2,090.4	2,066.3
MISO Load																				
MISO Load	1,660.6	1,706.5	1,721.9	1,745.7	1,755.1	1,764.3	1,773.8	1,586.7	1,598.4	1,607.6	1,617.7	1,629.4	1,641.6	1,806.2	1,821.5	1,837.8	1,855.1	1,872.5	1,890.6	1,907.4
AEP Load Following Load	143.3	146.0	146.2	146.5	146.8	147.1	147.5	147.9	148.5	148.8	149.1	149.6	150.1	-	-	-	-	-	-	-
Less Interruptible Load	(198.0)	(193.0)	(193.0)	(193.0)	(193.0)	(193.0)	(193.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)	(15.0)
1,605.9	1,659.5	1,675.1	1,699.3	1,709.0	1,718.4	1,728.3	1,719.7	1,732.0	1,741.4	1,751.9	1,764.0	1,776.8	1,791.2	1,806.5	1,822.9	1,840.2	1,857.6	1,875.7	1,892.4	1,892.4
Capacity Sales	101.0	338.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserve/Loss Requirements	144.5	148.5	149.8	151.9	152.7	153.5	154.3	138.0	139.1	139.9	140.7	141.8	142.8	157.1	158.5	159.9	161.4	162.9	164.5	165.9
Total Power Supply Requirements	1,851.4	2,146.1	1,825.0	1,851.2	1,861.7	1,871.9	1,882.6	1,857.7	1,871.1	1,881.3	1,892.6	1,905.8	1,919.6	1,948.3	1,965.0	1,982.8	2,001.6	2,020.5	2,040.2	2,058.3
Total Wabash Valley Long(Short)	8.8	29.7	0.7	1.4	0.3	3.2	0.9	0.8	0.5	0.5	0.7	0.8	0.7	0.5	0.8	19.5	50.7	0.7	50.2	8.0
Target MISO UCAP Reserve %																				
Target MISO UCAP Reserve %	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%	8.70%
Plan Reserve Margin %																				
Plan Reserve Margin %	8.70%	8.71%	8.74%	8.78%	8.72%	8.88%	8.75%	8.75%	8.73%	8.73%	8.74%	8.75%	8.74%	8.73%	8.74%	9.76%	11.43%	8.74%	11.36%	9.12%

(1) All resources are reported at their UCAP Capacity Value

(2) Current MISO UCAP capacity requirement is 8.7%. Supporting information: <https://cdn.misoenergy.org/20210907%20OLEWG%20Item%203%20PY%202022-23%20Preliminary%20OLE%20Study%20Results586120.pdf>

Appendix B

B. Production Statistics (IRP21)

Base Existing Policy Expansion

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Appendix C

C. Market Price Assumptions (IRP21)

Energy and Carbon
Coal, Gas and Capacity

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Appendix D

D. Wabash Valley Avoided Cost Calculation Supporting Documentation

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Avoided Cost Calculation Methodology

Introduction

Wabash Valley's avoided cost forecast consists of avoided energy and capacity components, as shown on Table 4-4. Prices for these components are developed by evaluating the marginal cost of serving an incremental load.

Avoided Energy Cost

The avoided energy cost is calculated by adding a 10 MW incremental load to peak hours, off-peak hours, and all hours of the forecast year. Wabash Valley then dispatches this load (base load forecast plus the increment) against its portfolio of supply resources. Wabash Valley uses the PLEXOS® planning model to assess the production cost of two cases. The first case provides an estimated annual total production cost with the incremented load. The second case provides the estimated total annual production cost with a base forecast load. In each case, the PLEXOS® model dispatches resources, including wholesale market purchases, to serve every hour of load.

As shown on the following Tables 4-4 a-c, Wabash Valley calculates the annual marginal cost of serving the incremental peak, off-peak, and around the clock load. Since this modeling is done without adding new capacity resources to the model, the marginal cost reflects only the expected increase in energy cost to serve additional load.

Avoided Capacity Cost

The avoided capacity cost is based on the best information Wabash Valley has regarding the incremental cost of peaking power resources. In this forecast, Wabash Valley used cost projections for construction of new peaking capacity. Wabash Valley notes that these cost projections are consistent with the National Renewable Energy Lab's (NREL) Annual Technology Baseline (ATB)¹. Table 4-4d then provides a detailed example of the estimated monthly capacity cost using Wabash Valley's cost for capital, the unit service life, property tax and insurance rates, and depreciation rate. Note that this calculation includes an adjustment for estimated 4.2% losses on peaking capacity.

The approach described above is then applied to an identical capacity purchase for each of the IRP forecast years, as shown on Table 4-4e. Wabash Valley assumes that the purchase cost of a typical peaking power unit increases with inflation, estimated at 2.5% annually for this forecast. This forecasted annual capacity cost includes estimates for fixed operating and maintenance costs, which also escalate at the expected rate of inflation.

¹ <https://atb.nrel.gov/electricity/2021/technologies>

**Table 4-4a Wabash Valley Avoided Cost
Peak Energy Cost Forecast**

Year	Incremental Cost (\$000)	Incremental Energy (MWh)	Incremental Cost (\$/MWh)
2021	1,420	40,960	34.66
2022	1,443	40,800	35.38
2023	1,356	40,640	33.36
2024	1,253	40,960	30.59
2025	1,243	40,800	30.47
2026	1,346	40,960	32.86
2027	1,391	40,960	33.96
2028	1,295	40,800	31.74
2029	1,263	40,800	30.95
2030	1,287	40,800	31.54
2031	1,317	40,800	32.29
2032	1,388	41,120	33.75
2033	1,425	40,800	34.92
2034	1,430	40,640	35.18
2035	1,449	40,800	35.51
2036	1,469	40,960	35.87
2037	1,481	40,960	36.16
2038	1,495	40,960	36.50
2039	1,496	40,800	37.23
2040	1,503	40,800	37.98

Note: Base Scenario does not include any planned future generation

**Table 4-4b Wabash Valley Avoided Cost
Off-Peak Energy Cost Forecast**

Year	Incremental Cost (\$000)	Incremental Energy (MWh)	Incremental Cost (\$/MWh)
2021	1,424	46,640	30.53
2022	1,470	46,800	31.41
2023	1,394	46,960	29.69
2024	1,283	46,880	27.36
2025	1,308	46,800	27.95
2026	1,373	46,640	29.44
2027	1,393	46,640	29.88
2028	1,348	47,040	28.66
2029	1,330	46,800	28.41
2030	1,360	46,800	29.05
2031	1,386	46,800	29.61
2032	1,442	46,720	30.86
2033	1,503	46,800	32.12
2034	1,532	46,960	32.62
2035	1,540	46,800	32.91
2036	1,567	46,880	33.42
2037	1,569	46,640	33.64
2038	1,589	46,640	34.07
2039	1,606	46,800	34.75
2040	1,633	47,040	35.44

Note: Base Scenario does not include any planned future generation

**Table 4-4c Wabash Valley Avoided Cost
Around The Clock Energy Cost Forecast**

Year	Incremental Cost (\$000)	Incremental Energy (MWh)	Incremental Cost (\$/MWh)
2021	2,847	87,600	32.50
2022	2,915	87,600	33.27
2023	2,755	87,600	31.44
2024	2,541	87,840	28.92
2025	2,555	87,600	29.17
2026	2,722	87,600	31.07
2027	2,786	87,600	31.81
2028	2,652	87,840	30.19
2029	2,592	87,600	29.59
2030	2,647	87,600	30.22
2031	2,703	87,600	30.85
2032	2,831	87,840	32.23
2033	2,928	87,600	33.43
2034	2,961	87,600	33.81
2035	2,989	87,600	34.12
2036	3,036	87,840	34.56
2037	3,050	87,600	34.82
2038	3,084	87,600	35.21
2039	3,102	87,600	35.91
2040	3,137	87,840	36.63

Note: Base Scenario does not include any planned future generation

Table 4-4d Wabash Valley Avoided Cost Rate For Capacity Purchase

Annual cost for investment

			Description
Plant Investment	V	\$ 969	\$/kW cost for installation of CT peaking unit (for 2021 Costs).
Annual Capital Payment Factor	F	0.03869	See Supplemental Calculation
Plant Cost Inflation	ip	2.50%	Capital Cost Escalation. (WVPA Assumption)
PV of Carrying Charges	D	1.12979	See Supplemental Calculation
Contract Term	t	1	
Present Worth of Annual Capital Investment \$/kW	I	\$42.339	$D*V*F*(1+ip)^{(t-1)}$

Annual O&M cost

O&M Cost Inflation	io	2.50%	O&M Cost Escalation. (WVPA Assumption)
O&M	O	\$ 21.96	Annual Fixed O&M \$/kW-Year (EIA Capital Cost Est + Tax & Insurance)
Contract Term	t	1	
Present Worth of Annual O&M \$/kW		\$22.507	$O*(1+io)*(1+io)^{(t-1)}$

Total Annual Cost \$/kW

I+O&M \$64.846

Monthly Rate M \$5.404 $(I+O&M)/12$

Adjusted for losses I 4.20% Wabash Valley 2021 PRS

Rate for Capacity Purchase \$/kW-mo \$5.520 $M/(1-1/2)$

Supplemental Calculations

			Description
Annual Capital Payment Factor	F	0.03869	Fa/Fb
Where:			
	Fa	0.0106	$((1-((1+ip)/(1+r))))$
	Fb	0.274	$((1-((1+ip)/(1+r)^n))$
Cost of Capital	r	3.60%	Based on CBO ten-year treasury note + 2% credit spread
Service Life	n	30	
Plant Cost Inflation	ip	2.50%	O&M Cost Escalation. (WVPA Assumption)

Carrying Charge Rate

Cost of Capital	r	3.60%	Based on CBO ten-year treasury note + 2% credit spread
Property Tax Rate	A	0.00%	Included in Fixed Cost
Property Insurance Rate	P	0.00%	Included in Fixed Cost
Interest Rate of Deposit	Int.	1.60%	Based on CBO ten-year treasury bill
Sinking Fund Depreciation Rate	d	2.62%	$+int/(((1+int)^n)-1)$
Service Life	n	30	
Federal and State Income Tax	T	0.00%	
Depreciation Rate	Dep	NA	Only required if T is not 0
Interest rate on debt capital	b	NA	Only required if T is not 0
Debt Ratio	L	NA	Only required if T is not 0

Carrying Charge Rate CCR 6.22% $r+A+P+d + [T/((1-T)*(r-d-Dep))*((r-b*L)/r)]$

Cumulative Present Worth Factor CPWF 18.1638 $((1+r)^n-1)/(r*(1+r)^n)$

Present Value of Carrying Charge D 1.12979 CPWF * CCR

**Table 4-4e Wabash Valley Avoided Cost
Demand Cost Forecast
(Excluding Transmission Service)**

Investment Year	Plant Investment (\$/kW)	Fixed O&M (\$/kW-year)	Carrying Charge on Annual Capital Investment \$/kW	Total Annual Fixed Cost (\$/kW)	Monthly Rate (\$/kW-month)	Monthly Rate Adjusted for Losses (\$/kW-month)
2021	968.6	22.507	42.339	64.846	5.404	5.520
2022	992.8	23.070	43.397	66.467	5.539	5.658
2023	1,017.6	23.646	44.482	68.128	5.677	5.799
2024	1,043.1	24.238	45.594	69.832	5.819	5.944
2025	1,069.1	24.844	46.734	71.578	5.965	6.093
2026	1,095.9	25.465	47.902	73.367	6.114	6.245
2027	1,123.3	26.101	49.100	75.201	6.267	6.401
2028	1,151.4	26.754	50.328	77.082	6.423	6.561
2029	1,180.1	27.423	51.586	79.009	6.584	6.725
2030	1,209.6	28.108	52.875	80.983	6.749	6.893
2031	1,239.9	28.811	54.197	83.008	6.917	7.066
2032	1,270.9	29.531	55.552	85.083	7.090	7.242
2033	1,302.7	30.269	56.941	87.210	7.268	7.423
2034	1,335.2	31.026	58.365	89.391	7.449	7.609
2035	1,368.6	31.802	59.824	91.626	7.635	7.799
2036	1,402.8	32.597	61.319	93.916	7.826	7.994
2037	1,437.9	33.412	62.852	96.264	8.022	8.194
2038	1,473.8	34.247	64.423	98.670	8.223	8.399
2039	1,510.7	35.103	66.034	101.137	8.428	8.609
2040	1,548.4	35.981	67.685	103.666	8.639	8.824
	Escalation Rate	2.5%				
	Loss Factor	4.2%				

Appendix E

E. FERC Form No. 714 (2019, 2020)

- Annual Electric Balancing Authority Area and Planning Area Report

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Annual Electric Balancing Authority Area and Planning Area Report

For the Year Ending December 31, 2020

Form Approved
OMB Numbers: 1902-0140
(Expires 06/30/2022)

Federal Energy Regulatory Commission
FERC Form No. 714

Part I - Schedule 1. Identification and Certification

1. Respondent Identification:

Code: 40211 Name: Wabash Valley Power Association, Inc.

2. Respondent Type: (Please check appropriate box and fill in name)

Part I: Balancing Authority Area (Complete Parts I, II, and IV)

Unit dispatch is not based on the economic dispatch of thermal units (i.e., a system lambda is not calculated)

Balancing Authority Area Name:

Part II: Planning Area (Complete Parts I, III, and IV)

Planning Area Name:

Wabash Valley Power Association, Inc.

3. Respondent Mailing Address:

6702 Intech Blvd.
Indianapolis, IN 46278

4. Contact Person:

Name: Brenda Melendez
Title: Lead Analyst, Budgets and Forecasts
E-mail address: b_melendez@wvpa.com

Telephone #: 317-481-2800 Ext: 2862

5. Certifying Official:

Name: Matt Moore
Title: Executive VP, Risk & Resource Portfolio
Date: 05/07/2021

This report is an Original Revised Filing

**Annual Electric Balancing Authority Area and Planning
 Area Report
 For the Year Ending December 31, 2020**

Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 1. Electric Utilities That Compose the Planning Area

Enter the name of each entity, including the respondent, that forms the planning area for which this report is being prepared and their coincident summer and winter peak demands in megawatts. Refer to the Form 714 instructions for specific guidelines.

Line No (a)	Electric Utility Name (b)	Electric Utility Coincident Peak Demand (MW)	
		Summer (c)	Winter (d)
1	BOONE REMC	90	80
2	CARROLL WHITE REMC	80	58
3	CITIZENS ELECTRIC CORPORATION	252	215
4	CORN BELT ENERGY	144	101
5	ENERSTAR ELECTRIC COOPERATIVE	18	15
6	FULTON COUNTY REMC	26	17
7	HEARTLAND REMC	120	104
8	HENDRICKS POWER COOPERATIVE	172	162
9	JASPER COUNTY REMC	54	33
10	JAY COUNTY REMC	29	27
11	KANKAKEE VALLEY REMC	86	38
12	KOSCIUSKO REMC	94	69
13	LAGRANGE COUNTY REMC	27	16
14	MARSHALL COUNTY REMC	27	16
15	MIAMI-CASS REMC	25	23
16	MJM ELECTRIC COOPERATIVE	31	25
17	NEWTON COUNTY REMC	10	7
18	NINESTAR CONNECT	73	58
19	NOBLE REMC	44	34
20	PARKE COUNTY REMC	39	41
21	STEUBEN COUNTY REMC	41	28
22	TIPMONT REMC	119	91
23	WARREN COUNTY REMC	21	18
24			
25			
26			
27			
28			
29			
30			

Annual Electric Balancing Authority Area and Planning Area Report

For the Year Ending December 31, 2020

Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Planning Area Hourly Demand

Respondents must provide the following data: the planning area's actual hourly demand, in megawatts, for each hour of the year starting with 1 a.m. January 1 as more fully described in the Form 714 instructions. In column (b) indicate the time zone and the days for which daylight savings time was observed. This schedule will have 365 rows for the report year (366 rows for a leap year). For hours when this information is not available, enter "0.00" and provide, as a footnote to those hours, an explanation describing the reason for the unavailability of the data.

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
01/01/2020	EST	864	842	825	817	810	816	833	859	883	901	903	894	881	866	853	841	853	913	979	982	970	947	911	872
01/02/2020	EST	842	825	818	817	831	870	925	971	987	983	975	960	941	936	932	929	937	976	1,006	992	969	937	895	847
01/03/2020	EST	809	787	775	764	766	801	857	905	927	934	935	938	932	929	921	920	936	973	992	978	959	937	903	863
01/04/2020	EST	831	811	798	793	794	811	844	892	932	964	989	998	995	990	984	987	999	1,028	1,045	1,032	1,015	996	965	930
01/05/2020	EST	893	867	854	848	849	863	889	928	960	965	947	934	923	909	888	871	886	944	995	994	980	951	910	870
01/06/2020	EST	850	842	850	864	890	940	1,020	1,071	1,068	1,044	1,017	1,001	984	961	940	934	946	1,007	1,068	1,073	1,056	1,021	971	927
01/07/2020	EST	901	891	883	878	887	933	1,017	1,069	1,056	1,023	989	963	947	928	916	911	929	986	1,050	1,057	1,046	1,013	968	920
01/08/2020	EST	889	875	872	881	905	963	1,052	1,115	1,103	1,076	1,054	1,022	997	998	981	973	994	1,053	1,118	1,124	1,118	1,092	1,044	994
01/09/2020	EST	961	945	939	939	953	996	1,073	1,120	1,097	1,065	1,036	1,017	997	977	965	954	961	999	1,028	1,015	995	958	904	851
01/10/2020	EST	815	795	781	774	783	820	892	942	942	922	923	917	887	884	876	870	873	904	918	899	877	846	816	772
01/11/2020	EST	732	706	688	684	683	700	729	770	814	850	885	900	899	901	904	911	931	960	979	964	947	932	908	874
01/12/2020	EST	848	832	822	817	813	824	851	893	933	955	963	968	971	968	967	968	987	1,025	1,048	1,044	1,025	963	915	864
01/13/2020	EST	831	817	811	815	831	876	957	1,006	1,013	996	986	977	970	965	955	950	960	1,001	1,049	1,051	1,034	1,003	958	911
01/14/2020	EST	885	870	857	861	880	922	999	1,045	1,033	1,006	995	982	961	946	928	910	912	955	1,019	1,027	1,017	991	948	897
01/15/2020	EST	869	856	844	841	859	902	971	1,009	994	976	962	955	942	928	920	917	929	971	1,009	1,009	997	977	937	896
01/16/2020	EST	865	854	851	867	894	946	1,026	1,079	1,081	1,068	1,053	1,037	1,016	1,000	984	979	998	1,066	1,138	1,147	1,147	1,118	1,069	1,018
01/17/2020	EST	986	974	964	972	989	1,033	1,108	1,157	1,152	1,141	1,131	1,118	1,100	1,091	1,084	1,084	1,093	1,123	1,143	1,126	1,100	1,068	1,024	978
01/18/2020	EST	940	919	904	897	894	897	911	939	971	991	1,005	1,004	997	989	982	980	995	1,036	1,076	1,081	1,081	1,075	1,056	1,033
01/19/2020	EST	1,016	1,011	1,014	1,020	1,036	1,054	1,081	1,129	1,171	1,195	1,201	1,200	1,193	1,182	1,173	1,153	1,159	1,187	1,232	1,224	1,206	1,168	1,123	1,077
01/20/2020	EST	1,049	1,035	1,028	1,033	1,048	1,084	1,142	1,189	1,198	1,188	1,178	1,161	1,134	1,111	1,094	1,094	1,114	1,153	1,205	1,204	1,185	1,144	1,090	1,038
01/21/2020	EST	1,007	992	987	987	1,004	1,053	1,135	1,184	1,171	1,143	1,117	1,089	1,063	1,041	1,026	1,016	1,022	1,070	1,143	1,160	1,155	1,127	1,080	1,037
01/22/2020	EST	1,011	1,001	994	999	1,017	1,064	1,140	1,186	1,167	1,141	1,116	1,091	1,070	1,050	1,032	1,028	1,045	1,090	1,137	1,130	1,112	1,075	1,026	971
01/23/2020	EST	937	920	911	910	923	967	1,041	1,086	1,070	1,048	1,040	1,031	1,023	1,015	1,001	991	1,000	1,031	1,072	1,073	1,059	1,023	968	919
01/24/2020	EST	886	872	861	861	867	907	976	1,023	1,021	1,007	1,007	1,004	989	983	975	971	980	998	1,022	1,009	992	973	941	897
01/25/2020	EST	857	836	826	831	840	859	892	937	978	1,009	1,024	1,029	1,026	1,017	1,009	1,003	1,007	1,020	1,046	1,037	1,019	999	967	929
01/26/2020	EST	895	866	853	846	848	861	891	932	967	983	980	969	954	940	921	913	921	955	1,016	1,030	1,014	984	942	898
01/27/2020	EST	875	864	862	869	890	940	1,021	1,071	1,068	1,054	1,044	1,044	1,031	1,028	1,025	1,021	1,029	1,063	1,112	1,109	1,090	1,050	996	943
01/28/2020	EST	911	894	885	880	893	935	1,017	1,069	1,062	1,050	1,051	1,047	1,032	1,023	1,018	1,018	1,038	1,074	1,116	1,115	1,097	1,059	1,004	952
01/29/2020	EST	919	903	894	894	910	954	1,032	1,077	1,073	1,060	1,049	1,044	1,032	1,030	1,028	1,029	1,039	1,070	1,107	1,107	1,087	1,053	1,001	948

**Annual Electric Balancing Authority Area and Planning
 Area Report
 For the Year Ending December 31, 2020**

Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
01/30/2020	EST	914	898	892	893	908	949	1,030	1,083	1,073	1,060	1,052	1,038	1,026	1,014	1,002	998	1,005	1,036	1,075	1,080	1,062	1,030	979	928
01/31/2020	EST	894	877	869	870	887	928	1,003	1,058	1,049	1,035	1,023	1,006	984	969	960	953	958	978	1,012	1,002	981	958	923	883
02/01/2020	EST	853	834	819	812	816	831	862	908	944	962	971	978	973	958	941	939	947	965	991	989	973	951	921	882
02/02/2020	EST	848	824	811	806	809	820	843	880	910	906	885	869	850	831	814	801	803	826	868	869	861	846	827	792
02/03/2020	EST	759	741	740	748	773	827	911	967	958	923	892	872	861	851	835	823	829	859	917	928	908	871	820	769
02/04/2020	EST	736	717	708	709	726	771	853	912	915	913	921	933	939	941	940	946	966	1,006	1,057	1,062	1,043	1,003	954	906
02/05/2020	EST	871	857	848	851	868	915	994	1,044	1,036	1,026	1,018	1,005	989	988	992	1,000	1,022	1,064	1,112	1,115	1,088	1,044	988	938
02/06/2020	EST	904	889	879	886	903	947	1,008	1,057	1,063	1,061	1,059	1,053	1,044	1,037	1,031	1,025	1,030	1,054	1,100	1,110	1,088	1,052	1,003	953
02/07/2020	EST	924	907	899	902	919	960	1,032	1,082	1,067	1,034	1,003	980	962	937	924	919	928	956	1,006	1,017	1,005	973	937	896
02/08/2020	EST	869	848	832	827	830	842	870	911	943	963	968	956	935	919	904	899	909	928	958	963	950	932	902	870
02/09/2020	EST	844	831	824	826	830	842	868	908	941	959	965	967	968	968	965	967	974	995	1,020	1,015	987	945	890	838
02/10/2020	EST	807	793	791	797	818	868	952	1,007	1,003	998	993	987	977	973	969	965	976	1,007	1,052	1,058	1,038	1,002	950	902
02/11/2020	EST	871	855	846	841	859	903	983	1,031	1,012	990	971	948	935	928	918	915	924	959	1,018	1,046	1,038	1,008	959	911
02/12/2020	EST	883	872	866	871	889	936	1,012	1,060	1,042	1,020	1,011	998	982	976	981	981	990	1,028	1,068	1,073	1,049	1,009	955	907
02/13/2020	EST	874	857	848	851	868	910	971	1,028	1,034	1,031	1,033	1,045	1,049	1,054	1,060	1,070	1,084	1,120	1,180	1,214	1,205	1,179	1,138	1,103
02/14/2020	EST	1,078	1,073	1,072	1,081	1,106	1,152	1,225	1,276	1,265	1,215	1,171	1,133	1,100	1,074	1,049	1,034	1,034	1,062	1,125	1,160	1,157	1,147	1,122	1,092
02/15/2020	EST	1,066	1,050	1,036	1,032	1,031	1,043	1,069	1,098	1,115	1,117	1,100	1,064	1,020	984	966	952	948	959	981	981	960	932	896	858
02/16/2020	EST	826	807	795	786	786	799	835	873	906	893	868	848	824	808	791	778	786	816	878	926	926	908	875	842
02/17/2020	EST	822	812	809	817	836	880	944	989	995	988	986	984	970	962	960	955	962	986	1,018	1,017	992	947	893	839
02/18/2020	EST	802	783	770	767	780	825	906	958	957	958	962	958	949	941	928	923	930	956	1,005	1,039	1,031	1,007	959	917
02/19/2020	EST	892	886	886	893	912	960	1,045	1,091	1,059	1,021	996	973	943	925	909	894	903	947	1,014	1,052	1,049	1,023	978	929
02/20/2020	EST	902	895	895	902	925	977	1,062	1,115	1,092	1,052	1,033	1,022	1,004	994	977	974	985	1,024	1,085	1,127	1,125	1,099	1,054	1,013
02/21/2020	EST	989	982	982	990	1,010	1,057	1,139	1,186	1,152	1,099	1,058	1,022	990	963	939	920	916	936	987	1,025	1,020	1,004	979	946
02/22/2020	EST	915	898	888	887	897	916	948	989	1,006	994	967	933	896	864	837	815	812	828	870	906	904	893	869	836
02/23/2020	EST	810	794	782	777	778	789	809	845	874	877	857	835	814	788	766	756	763	784	840	890	885	856	816	775
02/24/2020	EST	749	741	741	750	770	819	900	951	947	943	945	938	923	915	911	908	918	945	978	986	962	921	872	820
02/25/2020	EST	788	774	766	770	785	831	911	966	961	953	955	956	952	953	951	952	964	992	1,022	1,033	1,015	983	933	886
02/26/2020	EST	856	842	836	839	855	902	969	1,017	1,017	1,016	1,018	1,013	1,000	993	991	1,000	1,014	1,043	1,080	1,101	1,087	1,052	1,001	953
02/27/2020	EST	922	906	897	896	908	955	1,024	1,068	1,058	1,019	987	973	967	960	951	952	964	991	1,028	1,055	1,042	1,012	964	921
02/28/2020	EST	895	885	884	891	912	958	1,033	1,079	1,068	1,040	999	979	961	956	955	948	959	983	1,014	1,040	1,030	1,011	977	944
02/29/2020	EST	917	903	896	895	904	924	962	998	1,005	985	958	924	892	864	840	826	821	833	869	921	923	913	886	855
03/01/2020	EST	831	816	810	811	818	832	857	890	911	902	874	855	832	811	793	788	795	816	850	889	877	837	785	739
03/02/2020	EST	706	694	694	702	724	766	845	896	892	888	877	870	858	849	843	839	848	869	910	948	937	905	859	810
03/03/2020	EST	781	769	758	758	775	819	910	952	934	914	885	863	847	844	842	841	852	875	912	964	966	938	892	848
03/04/2020	EST	820	813	810	808	824	869	950	992	976	948	921	895	883	865	852	835	841	862	911	972	976	953	911	874
03/05/2020	EST	847	841	841	844	867	920	1,004	1,039	1,011	971	944	920	893	872	859	844	858	887	918	967	968	945	900	860

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Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
03/06/2020	EST	835	826	824	829	850	900	988	1,046	1,047	1,044	1,039	1,030	1,013	1,006	1,000	990	995	999	1,002	1,027	1,019	1,001	969	932
03/07/2020	EST	906	896	891	892	903	927	962	992	995	971	946	916	882	849	821	805	808	819	847	897	895	885	861	830
03/08/2020	EDT	807	796	793	791	792	802	821	857	885	890	846	828	810	788	763	748	742	755	777	817	877	860	813	761
03/09/2020	EDT	717	688	683	693	712	758	826	883	883	870	860	853	849	849	840	829	834	860	882	903	917	885	835	781
03/10/2020	EDT	738	716	702	698	709	753	832	896	910	913	919	933	931	926	921	918	923	935	946	971	995	966	917	866
03/11/2020	EDT	825	805	800	794	804	846	926	977	973	965	959	952	935	924	916	905	905	920	930	942	960	944	891	835
03/12/2020	EDT	793	778	766	768	784	825	899	954	951	939	929	912	894	884	873	859	859	868	880	896	916	885	837	787
03/13/2020	EDT	752	736	734	742	764	815	896	963	972	961	950	939	920	904	886	865	849	855	864	881	920	911	884	845
03/14/2020	EDT	810	787	776	770	772	789	816	858	901	939	973	984	983	974	959	948	952	958	961	970	982	960	921	881
03/15/2020	EDT	845	817	802	796	790	792	809	841	877	900	902	898	890	869	846	834	822	821	840	868	908	892	860	825
03/16/2020	EDT	796	784	785	792	809	851	913	967	986	991	990	989	975	963	955	951	954	962	973	985	991	955	910	862
03/17/2020	EDT	817	793	794	792	804	843	897	948	964	961	955	951	942	925	896	870	849	859	873	891	940	924	883	841
03/18/2020	EDT	811	799	793	793	807	841	895	947	971	986	995	999	997	993	980	968	962	974	975	971	968	932	879	833
03/19/2020	EDT	792	773	764	757	763	796	840	893	919	936	948	955	953	947	933	923	914	923	926	916	910	877	828	775
03/20/2020	EDT	735	708	694	688	692	714	762	816	839	862	889	907	910	914	913	912	916	939	948	949	959	940	905	865
03/21/2020	EDT	834	810	809	812	820	834	860	897	928	965	985	989	981	961	943	926	922	933	941	946	960	941	906	869
03/22/2020	EDT	840	821	813	812	815	828	848	878	908	944	964	976	980	973	961	955	960	971	968	969	977	943	898	844
03/23/2020	EDT	817	806	799	802	817	850	903	954	976	991	1,002	1,005	993	953	933	918	914	929	934	943	955	928	884	837
03/24/2020	EDT	805	787	776	773	791	827	877	926	948	959	957	958	953	937	919	915	915	932	935	929	937	909	863	821
03/25/2020	EDT	790	778	773	775	793	829	881	932	960	961	946	938	910	879	850	821	805	809	821	831	856	837	790	744
03/26/2020	EDT	712	695	688	686	694	727	777	828	850	853	848	847	840	836	828	819	828	852	858	851	848	818	771	725
03/27/2020	EDT	698	679	666	664	676	703	749	801	834	858	864	867	866	865	857	847	841	848	850	852	855	824	782	739
03/28/2020	EDT	702	678	661	648	645	649	670	697	724	767	797	813	808	797	788	779	784	806	805	789	789	764	726	688
03/29/2020	EDT	648	630	614	600	596	602	623	655	695	749	787	816	827	821	808	798	795	802	804	804	821	803	765	725
03/30/2020	EDT	694	682	679	684	701	738	791	845	870	881	885	887	885	873	858	842	832	847	861	866	876	856	815	771
03/31/2020	EDT	735	717	711	714	724	754	804	858	884	900	910	917	910	894	888	875	877	890	899	900	906	883	841	796
04/01/2020	EDT	761	742	732	731	740	770	818	871	898	902	899	894	877	863	844	824	812	824	832	832	852	846	808	768
04/02/2020	EDT	737	725	720	725	736	771	823	867	865	851	834	829	818	806	785	767	756	767	782	788	814	802	759	716
04/03/2020	EDT	678	660	655	655	669	696	741	785	820	833	831	825	812	794	774	758	748	758	769	774	798	787	745	688
04/04/2020	EDT	646	626	614	607	608	616	639	682	726	775	807	825	833	822	809	801	806	827	835	831	839	822	784	745
04/05/2020	EDT	710	686	675	672	677	686	709	732	765	806	819	821	811	788	762	741	735	749	761	766	791	786	744	701
04/06/2020	EDT	671	660	660	670	687	722	778	832	856	854	836	836	827	812	795	779	776	791	806	811	824	806	753	697
04/07/2020	EDT	654	630	615	611	621	645	691	733	759	781	792	801	809	802	798	789	796	822	840	845	857	852	797	736
04/08/2020	EDT	685	652	631	616	614	629	667	712	749	770	789	803	823	830	832	831	839	862	877	870	840	786	732	684
04/09/2020	EDT	644	613	599	599	604	634	690	749	786	801	812	818	819	815	811	810	817	840	853	855	875	868	828	787
04/10/2020	EDT	754	738	729	736	750	782	830	874	898	906	902	893	876	856	833	816	794	780	787	785	811	813	777	737

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Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
04/11/2020	EDT	705	690	686	677	680	677	691	719	752	782	795	792	781	756	741	724	718	736	749	758	778	771	733	692
04/12/2020	EDT	659	636	623	615	616	625	643	669	710	748	765	780	783	767	754	747	751	760	764	757	761	745	707	665
04/13/2020	EDT	634	618	613	619	637	677	744	816	877	914	938	951	954	939	917	889	873	875	875	879	901	903	860	814
04/14/2020	EDT	779	763	754	758	773	800	851	899	930	930	916	905	897	882	869	859	856	865	871	877	899	903	867	828
04/15/2020	EDT	804	787	776	773	788	815	863	896	917	923	930	947	945	928	917	901	890	894	894	892	912	919	882	841
04/16/2020	EDT	809	797	793	799	819	850	902	943	961	955	933	921	906	890	866	848	834	838	849	864	880	870	827	784
04/17/2020	EDT	750	729	720	719	726	754	803	855	890	912	931	936	933	921	917	906	906	909	908	904	909	899	856	810
04/18/2020	EDT	774	761	757	762	769	785	812	835	854	860	854	838	817	795	771	752	744	751	757	761	781	796	764	730
04/19/2020	EDT	700	685	678	675	677	685	703	723	760	789	799	797	786	764	739	721	717	732	746	751	766	773	734	693
04/20/2020	EDT	663	652	654	663	687	731	791	841	859	848	837	824	819	806	791	772	767	785	797	801	808	805	757	705
04/21/2020	EDT	671	653	641	643	659	693	747	795	825	839	847	849	847	832	818	805	799	802	811	810	826	839	799	754
04/22/2020	EDT	728	714	709	712	728	761	812	854	872	864	851	836	825	812	805	792	785	797	808	804	809	806	758	706
04/23/2020	EDT	669	645	633	629	636	663	710	755	793	816	829	839	842	828	809	796	791	801	805	798	794	793	752	705
04/24/2020	EDT	669	648	638	634	648	674	726	768	799	800	802	801	791	780	769	756	746	749	758	762	771	771	732	689
04/25/2020	EDT	651	627	612	607	607	616	641	671	712	751	773	785	784	774	765	763	776	797	805	803	804	792	753	715
04/26/2020	EDT	682	662	651	649	650	660	682	708	748	785	799	800	787	765	741	724	718	731	742	747	759	775	736	693
04/27/2020	EDT	660	651	651	657	678	715	775	821	834	825	814	808	801	784	772	761	762	777	792	797	798	784	733	682
04/28/2020	EDT	644	628	619	616	626	654	702	743	773	775	774	788	797	797	791	790	791	806	818	823	829	818	761	696
04/29/2020	EDT	644	614	597	588	593	614	658	706	750	778	796	809	815	812	805	800	799	815	822	819	815	803	759	712
04/30/2020	EDT	676	659	650	650	656	687	739	786	818	839	845	854	860	854	850	844	842	849	850	846	837	836	796	748
05/01/2020	EDT	711	692	684	684	694	721	771	810	829	826	817	808	798	780	764	749	741	745	751	749	756	774	735	685
05/02/2020	EDT	643	615	601	595	595	599	618	646	686	717	733	740	745	746	753	766	782	806	816	809	800	811	773	719
05/03/2020	EDT	664	625	600	584	575	573	579	598	644	692	727	752	763	764	759	754	757	776	776	763	754	764	721	665
05/04/2020	EDT	623	601	593	591	600	631	686	739	774	787	785	782	780	772	767	760	760	779	792	793	793	789	741	687
05/05/2020	EDT	649	628	618	618	630	659	714	762	795	821	835	848	852	850	843	837	840	856	862	858	852	844	805	754
05/06/2020	EDT	716	699	687	685	697	731	781	821	841	836	827	822	816	806	790	772	763	771	776	781	792	811	763	717
05/07/2020	EDT	684	660	648	652	673	706	757	788	796	795	790	787	781	769	759	749	745	763	770	771	776	785	749	696
05/08/2020	EDT	655	632	624	624	634	668	719	765	802	823	836	836	831	820	806	792	784	793	796	797	811	841	817	778
05/09/2020	EDT	748	735	735	738	749	766	787	813	835	844	841	830	809	787	766	748	737	741	745	748	754	781	759	721
05/10/2020	EDT	689	672	661	657	657	665	679	703	743	775	785	785	778	765	753	750	764	784	794	798	808	822	794	756
05/11/2020	EDT	727	711	705	709	723	758	813	859	885	895	898	890	888	887	883	866	860	868	872	868	868	874	829	778
05/12/2020	EDT	736	715	709	713	733	763	810	847	861	857	845	837	829	815	800	779	777	788	794	795	798	816	780	730
05/13/2020	EDT	691	679	674	677	698	725	780	826	848	847	845	844	836	823	809	796	792	802	812	819	819	821	778	723
05/14/2020	EDT	678	652	639	635	639	664	714	759	792	806	819	826	832	830	830	817	813	821	828	824	821	831	789	725
05/15/2020	EDT	674	654	635	626	632	656	700	744	782	807	831	851	853	852	844	834	833	841	842	835	827	837	800	741
05/16/2020	EDT	687	649	623	604	602	608	625	655	700	745	774	793	804	811	820	832	848	865	868	857	846	849	808	749

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Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
09/02/2020	EDT	864	822	796	781	784	816	886	944	968	993	1,022	1,047	1,082	1,117	1,149	1,174	1,196	1,215	1,205	1,174	1,154	1,111	1,021	925
09/03/2020	EDT	851	804	774	752	747	774	841	889	904	952	1,007	1,069	1,128	1,181	1,230	1,265	1,297	1,304	1,290	1,246	1,209	1,162	1,055	942
09/04/2020	EDT	852	793	752	727	718	738	798	840	865	892	925	954	983	1,010	1,035	1,056	1,071	1,085	1,072	1,030	993	957	898	834
09/05/2020	EDT	771	720	692	676	673	680	701	728	775	824	865	902	940	976	1,018	1,059	1,094	1,121	1,112	1,065	1,019	977	911	838
09/06/2020	EDT	772	722	694	677	669	667	680	703	744	791	823	852	875	885	903	940	982	1,020	1,029	1,013	1,005	985	937	880
09/07/2020	EDT	822	785	762	747	740	742	760	782	826	900	980	1,047	1,088	1,106	1,119	1,132	1,145	1,171	1,170	1,152	1,141	1,086	993	903
09/08/2020	EDT	833	786	762	760	757	788	856	907	930	965	1,016	1,077	1,146	1,206	1,238	1,247	1,257	1,264	1,245	1,207	1,193	1,139	1,042	946
09/09/2020	EDT	874	826	792	772	761	785	848	905	928	946	984	1,032	1,091	1,150	1,200	1,239	1,274	1,299	1,297	1,258	1,235	1,170	1,068	969
09/10/2020	EDT	887	838	805	787	780	810	876	933	940	937	940	960	976	996	1,013	1,034	1,043	1,054	1,052	1,050	1,057	1,022	952	877
09/11/2020	EDT	816	787	764	747	752	782	849	902	918	923	934	947	963	992	1,020	1,044	1,068	1,087	1,074	1,043	1,037	1,005	948	881
09/12/2020	EDT	818	773	745	729	726	731	762	801	839	881	918	958	995	1,033	1,073	1,108	1,130	1,129	1,115	1,093	1,082	1,048	990	924
09/13/2020	EDT	862	814	782	758	743	734	739	759	795	852	899	948	988	1,018	1,041	1,066	1,092	1,113	1,106	1,069	1,054	999	909	825
09/14/2020	EDT	764	727	707	699	704	738	806	859	870	878	898	923	950	969	994	1,024	1,047	1,067	1,065	1,039	1,036	985	906	828
09/15/2020	EDT	773	736	718	706	710	737	806	857	869	881	897	919	942	960	988	1,011	1,034	1,059	1,056	1,031	1,029	975	891	807
09/16/2020	EDT	750	717	699	689	695	724	792	845	847	856	874	895	916	939	972	1,004	1,034	1,056	1,058	1,044	1,049	1,001	921	841
09/17/2020	EDT	781	747	723	716	717	746	818	875	889	903	919	935	951	969	982	993	1,008	1,018	1,004	991	998	954	882	806
09/18/2020	EDT	749	719	701	693	699	725	793	846	860	871	876	873	882	885	887	880	883	889	883	869	885	865	821	768
09/19/2020	EDT	723	686	668	662	666	678	708	750	789	819	827	821	813	808	805	806	811	825	828	823	840	820	778	734
09/20/2020	EDT	694	667	655	648	643	644	663	701	745	778	792	803	805	800	803	806	822	852	867	870	893	855	793	734
09/21/2020	EDT	695	674	663	661	672	712	784	845	860	868	877	888	894	906	922	930	943	964	970	966	971	926	858	786
09/22/2020	EDT	732	702	688	682	677	698	779	834	843	843	857	866	878	891	908	922	936	955	955	959	969	917	845	777
09/23/2020	EDT	725	696	681	674	679	712	788	846	856	864	884	897	906	922	930	940	949	967	970	976	994	946	874	805
09/24/2020	EDT	756	729	710	704	707	741	807	864	878	877	891	910	930	954	981	1,002	1,026	1,045	1,042	1,030	1,035	984	908	830
09/25/2020	EDT	773	738	717	715	721	751	821	874	892	894	906	930	950	977	1,002	1,022	1,041	1,060	1,049	1,017	1,006	963	909	843
09/26/2020	EDT	779	733	709	694	687	694	720	762	802	840	865	880	890	903	926	953	977	988	979	956	951	916	868	815
09/27/2020	EDT	762	719	696	681	674	675	690	723	766	812	845	876	904	935	964	995	1,013	1,030	1,021	1,020	1,022	963	891	818
09/28/2020	EDT	763	730	710	699	698	732	802	861	877	886	893	895	891	896	893	887	887	898	907	920	929	891	831	780
09/29/2020	EDT	738	717	703	699	704	734	808	868	881	878	876	883	885	881	873	868	869	884	897	923	940	888	838	790
09/30/2020	EDT	742	722	712	716	725	755	824	883	891	898	904	903	908	907	898	890	894	904	911	929	950	918	853	785
10/01/2020	EDT	748	731	720	722	737	777	855	908	915	917	916	917	914	905	897	884	884	899	915	946	964	927	872	816
10/02/2020	EDT	776	754	746	745	745	781	856	917	928	923	919	912	902	897	886	876	870	874	879	909	921	898	859	813
10/03/2020	EDT	773	747	737	735	734	747	778	824	863	890	894	878	860	846	848	842	843	857	867	882	877	850	811	766
10/04/2020	EDT	730	703	688	680	679	674	689	726	770	807	827	838	837	828	823	827	834	844	855	886	911	882	835	788
10/05/2020	EDT	763	752	748	756	774	819	896	964	983	976	960	940	927	922	909	896	899	909	922	953	969	927	871	815
10/06/2020	EDT	775	759	751	750	758	787	852	910	922	918	909	901	893	887	891	888	893	913	928	950	956	918	858	798
10/07/2020	EDT	754	732	717	710	719	752	825	885	890	888	902	913	928	939	950	957	971	986	991	1,000	1,000	941	880	806

**Annual Electric Balancing Authority Area and Planning
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Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
10/08/2020	EDT	747	717	697	692	700	735	808	870	883	884	885	894	912	923	918	925	937	961	965	970	970	921	858	795
10/09/2020	EDT	747	729	714	709	720	749	820	879	893	894	905	918	932	948	962	973	982	993	987	988	985	952	909	850
10/10/2020	EDT	790	748	723	706	702	707	731	770	813	853	878	897	910	925	943	958	975	986	976	975	958	916	866	809
10/11/2020	EDT	754	711	689	671	657	658	674	711	751	792	816	840	865	891	915	942	970	986	984	994	986	937	871	803
10/12/2020	EDT	754	723	704	700	710	741	803	865	880	891	909	924	941	954	966	953	947	951	946	948	937	894	837	785
10/13/2020	EDT	744	718	708	707	714	750	819	887	901	901	894	892	893	888	885	883	893	910	921	949	951	909	853	797
10/14/2020	EDT	755	733	723	725	733	770	839	900	918	913	907	906	905	903	909	910	915	934	942	969	968	929	871	813
10/15/2020	EDT	764	737	720	708	709	741	802	856	882	889	896	903	904	899	890	883	883	898	917	950	948	922	879	832
10/16/2020	EDT	805	793	785	789	803	842	914	979	1,001	986	969	948	933	916	908	901	896	900	912	946	947	925	893	852
10/17/2020	EDT	813	786	776	780	780	796	829	878	917	939	928	909	896	884	871	857	861	871	880	903	895	867	830	788
10/18/2020	EDT	751	725	709	699	697	705	725	759	797	826	842	847	844	831	822	821	836	859	879	903	891	855	811	769
10/19/2020	EDT	740	726	723	727	744	778	848	913	922	927	945	952	951	941	937	932	940	964	986	999	977	936	882	832
10/20/2020	EDT	794	777	765	761	765	802	862	912	930	934	937	931	922	904	896	892	899	931	955	965	941	904	851	798
10/21/2020	EDT	761	740	724	719	722	752	814	872	893	896	906	911	918	911	902	893	893	912	935	961	943	904	851	795
10/22/2020	EDT	758	739	728	724	732	757	820	878	896	894	899	907	915	930	938	944	955	975	983	1,019	1,014	963	913	865
10/23/2020	EDT	808	773	752	737	739	761	821	880	902	921	942	963	972	957	950	923	909	905	904	915	896	868	835	796
10/24/2020	EDT	762	741	730	727	728	744	778	831	881	918	933	929	918	896	878	867	861	870	883	924	921	901	870	829
10/25/2020	EDT	795	769	756	749	748	756	777	814	856	887	905	915	915	903	897	901	912	932	956	979	962	925	874	826
10/26/2020	EDT	796	779	769	770	787	833	908	974	996	999	1,004	1,009	1,002	990	983	982	988	1,016	1,041	1,054	1,032	990	933	880
10/27/2020	EDT	840	826	817	811	817	856	933	992	1,011	1,008	1,012	1,019	1,016	1,002	991	986	987	1,010	1,031	1,047	1,024	980	922	869
10/28/2020	EDT	831	810	796	794	804	841	914	976	993	976	970	967	962	947	929	924	946	977	981	990	977	939	889	842
10/29/2020	EDT	806	789	778	776	781	819	894	952	976	973	975	973	968	958	949	941	943	964	993	1,027	1,017	990	937	886
10/30/2020	EDT	850	834	828	829	846	886	962	1,021	1,044	1,035	1,019	1,003	984	972	956	945	935	942	964	1,006	1,002	988	953	915
10/31/2020	EDT	886	872	866	856	857	875	907	949	987	1,001	990	969	941	914	892	876	867	860	862	894	894	884	857	822
11/01/2020	EST	792	768	745	743	749	770	812	866	911	936	951	960	968	958	955	953	968	1,007	1,060	1,055	1,037	999	957	919
11/02/2020	EST	899	893	898	904	927	975	1,056	1,109	1,109	1,084	1,064	1,045	1,025	1,002	985	969	978	1,029	1,086	1,084	1,061	1,021	969	922
11/03/2020	EST	892	877	867	868	883	927	1,002	1,044	1,037	1,003	970	955	940	924	912	895	895	931	985	979	952	916	869	831
11/04/2020	EST	802	788	779	777	793	834	914	962	961	940	929	919	920	914	906	898	897	929	977	967	941	898	844	796
11/05/2020	EST	764	747	739	737	749	782	860	914	926	926	919	911	910	903	893	885	885	917	972	966	943	903	855	810
11/06/2020	EST	775	758	751	752	767	807	886	939	927	916	919	919	916	910	907	899	894	903	934	916	891	861	822	779
11/07/2020	EST	742	716	707	704	710	732	770	816	850	863	859	848	836	827	824	810	797	815	848	831	802	776	742	705
11/08/2020	EST	677	656	645	637	640	651	672	703	743	773	782	791	793	795	792	795	812	844	897	886	855	814	766	715
11/09/2020	EST	679	662	651	653	668	706	781	834	858	864	870	879	896	901	904	896	895	925	969	954	920	875	821	768
11/10/2020	EST	724	702	686	677	687	718	789	841	859	865	875	891	897	898	896	890	892	926	965	943	902	847	784	726
11/11/2020	EST	681	651	638	634	646	682	756	822	851	865	872	874	869	858	853	848	859	904	966	967	948	918	874	836
11/12/2020	EST	808	799	794	796	817	860	938	992	986	945	918	895	876	858	840	829	839	889	949	948	932	896	849	806

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Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
11/13/2020	EST	773	757	748	748	769	811	884	940	948	946	941	929	910	891	871	857	862	912	966	969	958	938	906	873
11/14/2020	EST	845	831	819	817	829	849	875	911	942	956	960	955	939	919	906	893	897	923	930	908	878	840	795	749
11/15/2020	EST	710	681	661	652	647	653	670	710	748	783	810	842	854	849	842	848	864	912	944	933	914	878	834	800
11/16/2020	EST	772	766	770	775	797	844	922	980	977	952	942	927	910	894	880	865	873	935	985	979	956	918	870	830
11/17/2020	EST	801	789	785	792	817	862	940	999	1,004	993	983	967	935	938	926	913	923	986	1,049	1,051	1,037	1,003	955	909
11/18/2020	EST	870	851	841	846	867	915	983	1,036	1,038	1,007	980	959	934	920	908	903	918	973	1,029	1,028	1,008	973	922	876
11/19/2020	EST	840	820	805	799	819	856	923	974	970	951	916	898	879	864	860	857	862	903	952	947	925	891	842	796
11/20/2020	EST	765	746	736	732	743	778	847	899	910	895	886	879	865	859	856	850	850	884	911	895	873	847	811	770
11/21/2020	EST	729	712	703	700	708	729	763	809	851	884	898	899	892	878	868	867	882	922	942	927	907	880	843	803
11/22/2020	EST	766	744	735	733	738	753	782	824	869	907	930	943	947	938	929	927	939	977	1,005	987	975	940	894	852
11/23/2020	EST	821	808	803	807	820	866	943	1,004	1,017	1,000	979	963	954	939	925	921	943	1,004	1,046	1,038	1,019	980	932	886
11/24/2020	EST	853	835	824	811	807	841	908	964	979	978	979	978	975	967	959	947	956	1,003	1,026	1,014	987	948	901	849
11/25/2020	EST	807	784	772	766	777	807	859	912	938	952	965	963	964	957	948	940	946	974	980	957	933	898	851	802
11/26/2020	EST	753	724	706	696	694	706	732	774	829	889	935	951	927	882	848	829	819	835	853	853	842	825	798	763
11/27/2020	EST	734	716	707	707	715	735	772	815	846	870	880	874	865	851	841	843	851	893	927	920	909	895	870	836
11/28/2020	EST	807	795	789	791	800	821	855	900	929	935	928	905	883	857	836	827	838	900	951	948	940	925	896	862
11/29/2020	EST	831	810	800	798	805	819	846	880	907	920	912	905	889	873	864	868	888	953	988	979	964	937	898	851
11/30/2020	EST	820	809	811	821	847	894	973	1,043	1,069	1,085	1,093	1,105	1,109	1,102	1,101	1,100	1,115	1,169	1,195	1,181	1,155	1,111	1,056	1,000
12/01/2020	EST	959	940	937	934	951	990	1,063	1,116	1,123	1,102	1,085	1,075	1,066	1,059	1,055	1,049	1,060	1,127	1,175	1,171	1,154	1,116	1,067	1,019
12/02/2020	EST	986	972	964	968	986	1,025	1,100	1,155	1,149	1,114	1,078	1,051	1,024	990	967	958	973	1,057	1,117	1,121	1,113	1,081	1,032	986
12/03/2020	EST	953	939	929	928	941	980	1,050	1,104	1,107	1,092	1,072	1,055	1,031	1,007	991	981	995	1,059	1,103	1,100	1,083	1,053	1,001	944
12/04/2020	EST	905	888	882	887	906	945	1,012	1,069	1,070	1,043	1,016	993	970	953	941	926	938	999	1,045	1,042	1,031	1,009	974	932
12/05/2020	EST	897	878	869	867	880	905	944	989	1,017	1,021	1,010	997	979	957	944	940	956	1,010	1,039	1,028	1,013	990	955	909
12/06/2020	EST	875	853	845	845	853	867	899	939	972	995	1,003	1,003	999	982	973	973	1,001	1,062	1,097	1,083	1,063	1,026	976	919
12/07/2020	EST	877	863	857	860	884	931	1,007	1,060	1,076	1,078	1,077	1,076	1,059	1,048	1,032	1,025	1,044	1,111	1,150	1,141	1,118	1,079	1,020	963
12/08/2020	EST	921	897	883	876	889	929	1,001	1,059	1,065	1,065	1,060	1,049	1,035	1,023	1,012	1,005	1,024	1,089	1,126	1,120	1,106	1,067	1,018	961
12/09/2020	EST	917	900	889	888	902	939	1,008	1,064	1,063	1,029	996	970	943	926	911	896	901	966	1,028	1,031	1,020	990	944	899
12/10/2020	EST	867	850	847	850	872	917	990	1,046	1,040	1,009	974	952	927	904	887	872	881	945	1,004	1,008	993	964	916	865
12/11/2020	EST	826	810	801	799	819	860	934	996	1,002	977	953	934	921	911	902	895	906	958	982	971	948	919	878	831
12/12/2020	EST	790	758	746	731	735	750	782	828	875	910	919	927	935	932	934	943	961	999	1,007	992	976	953	913	867
12/13/2020	EST	829	806	795	784	785	795	818	861	900	932	949	955	952	942	935	942	968	1,024	1,048	1,038	1,010	974	924	874
12/14/2020	EST	841	827	826	839	866	918	1,003	1,069	1,092	1,093	1,089	1,076	1,062	1,036	1,017	1,005	1,021	1,100	1,155	1,153	1,137	1,102	1,054	1,000
12/15/2020	EST	962	943	938	941	959	997	1,070	1,129	1,136	1,132	1,112	1,093	1,078	1,064	1,056	1,053	1,081	1,153	1,189	1,174	1,151	1,109	1,055	998
12/16/2020	EST	957	942	928	928	945	981	1,046	1,097	1,105	1,099	1,091	1,078	1,080	1,078	1,069	1,067	1,088	1,151	1,188	1,175	1,151	1,112	1,057	1,003
12/17/2020	EST	965	947	937	939	948	979	1,048	1,105	1,112	1,103	1,090	1,077	1,065	1,056	1,049	1,052	1,070	1,132	1,178	1,173	1,158	1,126	1,070	1,016
12/18/2020	EST	976	962	957	958	982	1,022	1,089	1,147	1,157	1,131	1,095	1,063	1,041	1,028	1,025	1,029	1,042	1,100	1,133	1,123	1,107	1,079	1,036	984

**Annual Electric Balancing Authority Area and Planning
 Area Report
 For the Year Ending December 31, 2020**

Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
12/19/2020	EST	939	905	885	873	874	887	913	954	988	1,014	1,026	1,022	1,007	987	975	969	977	1,017	1,028	1,011	991	967	927	882
12/20/2020	EST	840	813	804	804	810	824	853	895	940	969	985	977	957	924	898	884	914	985	1,044	1,042	1,029	1,006	964	918
12/21/2020	EST	879	861	853	854	876	914	973	1,028	1,052	1,053	1,047	1,042	1,032	1,021	994	975	990	1,053	1,091	1,086	1,071	1,036	991	941
12/22/2020	EST	901	881	869	867	880	921	982	1,035	1,045	1,035	1,021	995	971	950	937	927	929	988	1,054	1,054	1,043	1,017	974	925
12/23/2020	EST	883	859	842	839	855	886	939	991	1,015	1,015	1,008	1,007	1,000	986	974	963	968	1,010	1,022	1,005	980	952	915	867
12/24/2020	EST	835	823	826	837	862	902	953	1,007	1,054	1,096	1,119	1,124	1,117	1,103	1,099	1,097	1,103	1,141	1,161	1,146	1,135	1,118	1,092	1,061
12/25/2020	EST	1,032	1,011	1,002	1,000	1,009	1,026	1,061	1,109	1,152	1,174	1,175	1,161	1,138	1,106	1,077	1,059	1,064	1,116	1,159	1,151	1,142	1,130	1,102	1,062
12/26/2020	EST	1,024	998	980	970	970	980	1,012	1,052	1,078	1,087	1,078	1,052	1,013	979	948	932	937	999	1,056	1,057	1,049	1,031	993	966
12/27/2020	EST	932	911	898	893	896	906	926	956	982	995	987	976	963	941	926	914	932	977	1,001	986	963	935	896	859
12/28/2020	EST	832	823	828	839	859	896	951	1,004	1,043	1,063	1,082	1,092	1,097	1,092	1,085	1,074	1,078	1,123	1,152	1,134	1,113	1,081	1,037	989
12/29/2020	EST	952	935	931	925	939	976	1,036	1,086	1,101	1,094	1,083	1,063	1,055	1,048	1,048	1,045	1,057	1,108	1,126	1,114	1,100	1,067	1,018	965
12/30/2020	EST	921	893	876	866	866	887	927	971	1,000	1,008	1,014	1,021	1,020	1,009	1,006	1,010	1,024	1,072	1,098	1,087	1,069	1,040	1,001	960
12/31/2020	EST	930	910	894	891	897	911	955	1,004	1,037	1,057	1,068	1,063	1,045	1,027	1,015	1,010	1,021	1,070	1,098	1,071	1,038	1,008	983	957

**Annual Electric Balancing Authority Area and Planning
 Area Report
 For the Year Ending December 31, 2020**

Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Forecast Summer and Winter Peak Demand and Annual Net Energy for Load

Provide the planning area's forecast summer and winter peak demand, in megawatts, and annual net energy for load, in megawatthours, for the next ten years.

Line No (a)	Year (b)	Summer Forecast (MW) (c)	Winter Forecast (MW) (d)	Forecast of Annual Net Energy for Load (MWh) (e)
1	2021	1,608	1,363	8,310,276
2	2022	1,619	1,372	8,361,777
3	2023	1,633	1,385	8,433,490
4	2024	1,649	1,399	8,536,219
5	2025	1,661	1,411	8,576,747
6	2026	1,675	1,422	8,645,314
7	2027	1,692	1,437	8,730,550
8	2028	1,710	1,453	8,843,892
9	2029	1,729	1,468	8,912,992
10	2030	1,744	1,480	8,983,202



Annual Electric Balancing Authority Area and Planning Area Report

For the Year Ending December 31, 2019

Form Approved
OMB Numbers: 1902-0140
(Expires 06/30/2022)

Federal Energy Regulatory Commission
FERC Form No. 714

Part I - Schedule 1. Identification and Certification

1. Respondent Identification:

Code: 40211 Name: Wabash Valley Power Association, Inc.

2. Respondent Type: (Please check appropriate box and fill in name)

Part I: Balancing Authority Area (Complete Parts I, II, and IV)

Unit dispatch is not based on the economic dispatch of thermal units (i.e., a system lambda is not calculated)

Balancing Authority Area Name:

Part II: Planning Area (Complete Parts I, III, and IV)

Planning Area Name:

Wabash Valley Power Association, Inc.

3. Respondent Mailing Address:

6702 Intech Blvd.
Indianapolis, IN 46278

4. Contact Person:

Name: Brenda Melendez
Title: Lead Analyst, Budgets and Forecasts
E-mail address: b_melendez@wvpa.com

Telephone #: 317-481-2800 Ext: 2862

5. Certifying Official:

Name: Lee Wilmes
Title: Executive VP, Risk & Resource Portfolio
Date: 05/07/2020

This report is an Original Revised Filing

**Annual Electric Balancing Authority Area and Planning
 Area Report
 For the Year Ending December 31, 2019**

Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 1. Electric Utilities That Compose the Planning Area

Enter the name of each entity, including the respondent, that forms the planning area for which this report is being prepared and their coincident summer and winter peak demands in megawatts. Refer to the Form 714 instructions for specific guidelines.

Line No (a)	Electric Utility Name (b)	Electric Utility Coincident Peak Demand (MW)	
		Summer (c)	Winter (d)
1	BOONE REMC	86	88
2	CARROLL WHITE REMC	80	60
3	CITIZENS ELECTRIC CORPORATION	238	199
4	CORN BELT ENERGY	149	126
5	ENERSTAR ELECTRIC COOPERATIVE	18	17
6	FULTON COUNTY REMC	27	23
7	HEARTLAND REMC	121	130
8	HENDRICKS POWER COOPERATIVE	169	178
9	JASPER COUNTY REMC	52	41
10	JAY COUNTY REMC	34	33
11	KANKAKEE VALLEY REMC	90	55
12	KOSCIUSKO REMC	97	82
13	LAGRANGE COUNTY REMC	25	19
14	MARSHALL COUNTY REMC	28	22
15	MIAMI-CASS REMC	26	29
16	MJM ELECTRIC COOPERATIVE	32	29
17	NEWTON COUNTY REMC	10	7
18	NINESTAR CONNECT	72	68
19	NOBLE REMC	44	47
20	PARKE COUNTY REMC	40	49
21	STEUBEN COUNTY REMC	42	33
22	TIPMONT REMC	120	110
23	WARREN COUNTY REMC	22	20
24			
25			
26			
27			
28			
29			
30			

**Annual Electric Balancing Authority Area and Planning
 Area Report
 For the Year Ending December 31, 2019**

Part III - Schedule 2. Planning Area Hourly Demand

Respondents must provide the following data: the planning area's actual hourly demand, in megawatts, for each hour of the year starting with 1 a.m. January 1 as more fully described in the Form 714 instructions. In column (b) indicate the time zone and the days for which daylight savings time was observed. This schedule will have 365 rows for the report year (366 rows for a leap year). For hours when this information is not available, enter "0.00" and provide, as a footnote to those hours, an explanation describing the reason for the unavailability of the data.

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
01/01/2019	EST	791	772	755	742	743	755	774	795	822	855	893	917	923	920	915	908	927	971	997	988	970	944	907	865
01/02/2019	EST	836	813	807	808	819	861	927	976	994	993	996	1,005	1,017	1,026	1,027	1,021	1,037	1,082	1,106	1,095	1,073	1,038	997	957
01/03/2019	EST	919	897	884	883	893	935	1,000	1,047	1,054	1,035	1,012	991	965	946	931	923	930	989	1,054	1,058	1,046	1,019	977	932
01/04/2019	EST	896	881	873	879	893	931	995	1,039	1,041	1,034	1,018	991	961	936	922	916	919	964	1,002	995	981	971	945	909
01/05/2019	EST	870	850	840	835	843	862	894	937	967	971	957	934	904	876	852	839	842	872	927	924	919	897	863	827
01/06/2019	EST	789	764	757	759	766	783	810	852	886	895	883	871	860	849	840	844	872	930	976	969	968	929	885	839
01/07/2019	EST	807	794	786	788	802	852	927	977	980	972	967	966	960	957	940	929	932	960	992	986	958	913	858	806
01/08/2019	EST	761	735	732	731	746	796	880	934	924	898	887	884	881	886	888	888	896	952	1,028	1,037	1,026	999	936	897
01/09/2019	EST	887	884	888	895	916	971	1,049	1,109	1,110	1,093	1,090	1,085	1,082	1,076	1,076	1,084	1,106	1,155	1,206	1,206	1,191	1,155	1,098	1,044
01/10/2019	EST	1,004	986	984	989	1,005	1,051	1,130	1,179	1,160	1,139	1,118	1,095	1,075	1,060	1,054	1,051	1,062	1,105	1,148	1,147	1,134	1,100	1,047	996
01/11/2019	EST	964	949	939	938	952	995	1,073	1,120	1,108	1,087	1,076	1,062	1,044	1,025	1,014	1,014	1,028	1,062	1,090	1,075	1,053	1,025	990	952
01/12/2019	EST	912	891	877	874	878	893	920	947	977	1,016	1,042	1,052	1,050	1,044	1,037	1,037	1,043	1,064	1,100	1,080	1,061	1,032	991	950
01/13/2019	EST	908	887	878	878	881	892	912	947	980	1,004	1,009	1,004	994	976	967	969	987	1,039	1,103	1,098	1,077	1,033	987	949
01/14/2019	EST	939	937	937	945	968	1,020	1,099	1,153	1,149	1,117	1,061	1,027	1,008	989	976	976	995	1,051	1,120	1,128	1,118	1,088	1,035	983
01/15/2019	EST	945	929	921	916	931	972	1,048	1,095	1,083	1,067	1,063	1,055	1,045	1,041	1,040	1,040	1,056	1,094	1,137	1,130	1,114	1,076	1,018	960
01/16/2019	EST	919	897	885	883	894	931	994	1,041	1,044	1,031	1,014	998	982	969	964	961	975	1,016	1,069	1,069	1,053	1,020	968	914
01/17/2019	EST	876	860	855	853	870	916	992	1,039	1,034	1,012	1,001	997	987	977	970	960	965	1,003	1,052	1,052	1,035	1,000	940	886
01/18/2019	EST	848	830	819	816	837	882	960	1,014	1,007	993	981	969	953	942	931	925	940	973	1,009	1,003	990	969	934	894
01/19/2019	EST	854	827	812	810	820	837	868	907	947	984	1,015	1,034	1,044	1,037	1,037	1,038	1,048	1,086	1,129	1,116	1,090	1,063	1,033	1,001
01/20/2019	EST	976	966	960	967	980	996	1,020	1,056	1,086	1,104	1,103	1,088	1,063	1,032	1,014	1,017	1,045	1,090	1,156	1,166	1,153	1,120	1,091	1,052
01/21/2019	EST	1,022	1,021	1,027	1,038	1,063	1,094	1,147	1,198	1,212	1,197	1,174	1,138	1,109	1,082	1,066	1,066	1,093	1,157	1,231	1,238	1,227	1,189	1,140	1,089
01/22/2019	EST	1,054	1,037	1,030	1,029	1,042	1,084	1,150	1,186	1,170	1,144	1,125	1,103	1,077	1,055	1,040	1,031	1,036	1,069	1,104	1,094	1,069	1,021	962	909
01/23/2019	EST	862	838	822	818	830	869	939	990	994	990	988	987	989	990	998	1,016	1,040	1,080	1,125	1,128	1,114	1,083	1,037	986
01/24/2019	EST	955	944	940	942	960	1,006	1,087	1,140	1,128	1,105	1,082	1,064	1,050	1,044	1,054	1,068	1,095	1,133	1,186	1,193	1,187	1,171	1,141	1,110
01/25/2019	EST	1,089	1,089	1,094	1,106	1,131	1,177	1,249	1,297	1,297	1,260	1,218	1,184	1,154	1,134	1,115	1,109	1,121	1,160	1,200	1,191	1,164	1,136	1,098	1,047
01/26/2019	EST	999	973	960	955	958	974	1,012	1,064	1,097	1,106	1,081	1,050	1,019	994	983	979	993	1,022	1,053	1,045	1,025	1,005	973	940
01/27/2019	EST	917	909	910	920	936	957	994	1,054	1,095	1,099	1,073	1,051	1,039	1,019	996	987	998	1,053	1,143	1,163	1,153	1,118	1,070	1,022
01/28/2019	EST	993	979	968	968	987	1,032	1,100	1,138	1,122	1,106	1,088	1,073	1,061	1,056	1,047	1,047	1,066	1,123	1,195	1,220	1,219	1,201	1,164	1,122
01/29/2019	EST	1,089	1,075	1,073	1,076	1,093	1,136	1,207	1,265	1,264	1,261	1,229	1,204	1,195	1,183	1,178	1,185	1,202	1,249	1,321	1,335	1,329	1,312	1,284	1,252

**Annual Electric Balancing Authority Area and Planning
Area Report
For the Year Ending December 31, 2019**

Utility Code: 40211
Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
01/30/2019	EST	1,231	1,222	1,223	1,236	1,258	1,306	1,378	1,433	1,444	1,442	1,433	1,424	1,408	1,381	1,357	1,343	1,348	1,394	1,464	1,465	1,442	1,404	1,360	1,314
01/31/2019	EST	1,285	1,273	1,268	1,270	1,282	1,318	1,368	1,412	1,414	1,390	1,353	1,328	1,288	1,253	1,238	1,240	1,255	1,283	1,328	1,333	1,314	1,276	1,217	1,167
02/01/2019	EST	1,129	1,106	1,091	1,085	1,094	1,124	1,177	1,223	1,225	1,211	1,177	1,144	1,102	1,066	1,042	1,024	1,023	1,052	1,115	1,139	1,136	1,120	1,091	1,053
02/02/2019	EST	1,020	1,001	988	981	984	999	1,026	1,063	1,083	1,074	1,037	1,002	963	938	916	899	893	912	959	969	956	934	896	861
02/03/2019	EST	823	795	779	772	770	777	792	829	860	863	853	841	829	815	805	799	808	832	872	866	861	844	818	777
02/04/2019	EST	743	731	730	739	756	799	880	929	920	907	896	892	888	890	884	877	889	920	959	965	949	920	878	836
02/05/2019	EST	809	804	806	816	842	895	983	1,035	1,030	1,020	1,018	1,011	996	983	976	977	990	1,021	1,068	1,072	1,053	1,013	962	909
02/06/2019	EST	865	841	828	829	845	880	954	993	980	970	965	951	941	932	931	934	955	990	1,038	1,030	1,016	985	938	886
02/07/2019	EST	848	830	820	817	834	879	955	1,002	994	989	983	979	967	959	950	944	955	993	1,053	1,092	1,105	1,098	1,075	1,042
02/08/2019	EST	1,024	1,026	1,027	1,039	1,066	1,117	1,197	1,256	1,246	1,226	1,201	1,177	1,158	1,146	1,135	1,117	1,132	1,163	1,226	1,246	1,235	1,213	1,185	1,146
02/09/2019	EST	1,108	1,091	1,083	1,081	1,086	1,104	1,135	1,179	1,197	1,183	1,146	1,115	1,075	1,042	1,012	992	993	1,021	1,072	1,093	1,088	1,075	1,052	1,018
02/10/2019	EST	984	963	952	950	953	961	982	1,020	1,051	1,062	1,066	1,069	1,073	1,063	1,049	1,043	1,052	1,074	1,114	1,119	1,098	1,056	1,001	951
02/11/2019	EST	918	901	896	902	915	963	1,033	1,082	1,083	1,073	1,051	1,047	1,038	1,036	1,029	1,030	1,045	1,081	1,125	1,129	1,105	1,075	1,027	974
02/12/2019	EST	933	906	890	887	895	933	993	1,033	1,019	1,012	1,014	1,016	1,026	1,030	1,038	1,044	1,064	1,103	1,148	1,167	1,156	1,130	1,081	1,035
02/13/2019	EST	994	991	999	1,006	1,022	1,067	1,149	1,197	1,182	1,148	1,115	1,089	1,054	1,034	1,012	993	993	1,034	1,104	1,129	1,120	1,086	1,031	975
02/14/2019	EST	935	917	902	902	909	942	1,017	1,064	1,045	1,029	1,015	989	955	934	920	905	907	931	979	1,008	1,000	971	933	893
02/15/2019	EST	864	859	867	885	916	973	1,063	1,124	1,125	1,115	1,098	1,081	1,072	1,076	1,076	1,071	1,081	1,098	1,128	1,136	1,118	1,092	1,057	1,014
02/16/2019	EST	975	954	945	942	942	956	986	1,026	1,050	1,063	1,053	1,036	1,008	984	963	953	958	975	1,022	1,042	1,033	1,017	992	959
02/17/2019	EST	930	914	908	907	907	914	940	983	1,015	1,035	1,031	1,027	1,024	1,021	1,015	1,011	1,028	1,048	1,076	1,088	1,077	1,041	999	956
02/18/2019	EST	923	911	912	924	943	983	1,048	1,095	1,109	1,116	1,109	1,092	1,075	1,060	1,049	1,048	1,060	1,092	1,138	1,164	1,148	1,114	1,055	1,000
02/19/2019	EST	969	954	948	957	978	1,032	1,115	1,156	1,133	1,094	1,056	1,026	1,008	995	985	982	1,001	1,042	1,096	1,124	1,106	1,076	1,026	977
02/20/2019	EST	938	923	920	927	942	989	1,048	1,080	1,082	1,069	1,056	1,047	1,035	1,026	1,021	1,014	1,014	1,030	1,063	1,079	1,064	1,036	987	940
02/21/2019	EST	905	889	884	890	905	954	1,037	1,084	1,057	1,019	989	969	950	936	937	940	958	992	1,035	1,063	1,050	1,026	980	933
02/22/2019	EST	900	885	877	884	903	951	1,032	1,079	1,062	1,044	1,028	1,006	983	962	945	929	931	957	991	1,012	1,003	985	954	915
02/23/2019	EST	875	852	841	835	837	853	879	923	958	982	986	966	946	927	908	903	907	913	924	932	911	884	844	799
02/24/2019	EST	758	730	719	721	735	764	805	858	918	956	975	997	1,000	985	969	960	980	1,014	1,074	1,129	1,130	1,106	1,065	1,025
02/25/2019	EST	1,000	995	1,001	1,014	1,036	1,087	1,173	1,215	1,182	1,142	1,101	1,077	1,052	1,025	1,010	992	991	1,031	1,090	1,129	1,117	1,083	1,035	985
02/26/2019	EST	947	934	930	934	955	1,005	1,088	1,135	1,116	1,089	1,066	1,039	1,014	991	971	961	973	997	1,047	1,096	1,095	1,068	1,023	972
02/27/2019	EST	937	922	916	915	922	957	1,034	1,077	1,060	1,041	1,015	988	965	959	951	955	977	1,015	1,064	1,101	1,095	1,066	1,024	977
02/28/2019	EST	951	935	933	939	958	1,008	1,091	1,130	1,117	1,096	1,080	1,063	1,037	1,016	1,014	1,007	1,019	1,045	1,080	1,108	1,097	1,065	1,014	963
03/01/2019	EST	930	915	911	918	940	983	1,064	1,101	1,078	1,050	1,028	1,007	979	964	946	925	929	944	980	1,017	1,015	996	965	927
03/02/2019	EST	887	870	860	857	860	874	906	949	987	1,012	1,016	1,007	991	975	975	975	979	989	1,005	1,023	1,012	993	965	927
03/03/2019	EST	894	877	870	869	874	887	916	958	997	1,025	1,033	1,040	1,038	1,033	1,024	1,019	1,034	1,067	1,115	1,159	1,156	1,128	1,094	1,060
03/04/2019	EST	1,043	1,046	1,060	1,083	1,104	1,160	1,256	1,301	1,276	1,247	1,223	1,206	1,185	1,165	1,149	1,144	1,157	1,199	1,259	1,318	1,312	1,277	1,225	1,179
03/05/2019	EST	1,146	1,123	1,119	1,124	1,144	1,194	1,277	1,310	1,275	1,242	1,207	1,186	1,177	1,166	1,153	1,145	1,156	1,185	1,230	1,276	1,267	1,237	1,187	1,137
03/06/2019	EST	1,107	1,093	1,088	1,097	1,114	1,158	1,234	1,265	1,222	1,172	1,131	1,102	1,073	1,050	1,030	1,021	1,034	1,070	1,120	1,166	1,157	1,125	1,072	1,021

**Annual Electric Balancing Authority Area and Planning
 Area Report
 For the Year Ending December 31, 2019**

Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
04/12/2019	EDT	637	611	597	593	599	638	722	781	782	786	779	777	774	766	763	742	737	740	736	739	764	788	760	713
04/13/2019	EDT	672	652	647	647	655	673	711	761	789	798	785	767	744	723	706	696	692	695	699	707	739	751	726	691
04/14/2019	EDT	659	645	641	646	653	674	708	760	813	851	869	880	878	870	860	859	861	877	888	902	923	908	864	814
04/15/2019	EDT	785	773	773	777	794	844	929	972	955	921	896	872	848	838	817	791	779	779	791	811	845	855	806	750
04/16/2019	EDT	709	687	684	690	706	757	843	880	863	840	821	809	796	791	787	777	778	783	792	807	838	847	791	721
04/17/2019	EDT	666	638	624	622	636	679	763	807	807	806	805	803	796	791	790	784	786	797	802	813	839	849	791	723
04/18/2019	EDT	671	641	628	624	637	671	748	797	801	805	807	814	806	801	795	782	786	802	812	819	837	830	784	728
04/19/2019	EDT	683	661	655	657	671	709	781	834	857	871	879	876	865	856	847	841	839	843	838	833	844	849	813	775
04/20/2019	EDT	733	707	699	698	705	719	744	779	818	849	858	849	830	806	788	775	770	768	765	761	774	800	776	737
04/21/2019	EDT	705	683	674	668	667	682	717	757	779	774	751	733	707	677	658	651	652	667	687	705	738	751	700	638
04/22/2019	EDT	599	581	576	582	600	650	737	779	791	798	796	796	799	802	807	810	823	831	846	861	888	899	834	759
04/23/2019	EDT	706	677	662	655	658	692	774	818	822	822	822	823	824	825	824	812	808	815	825	843	871	875	818	757
04/24/2019	EDT	716	693	689	691	708	756	842	884	883	879	868	859	851	843	830	818	821	837	851	867	887	884	827	764
04/25/2019	EDT	718	694	693	694	707	747	832	875	871	863	859	852	840	835	836	829	843	856	872	884	893	877	820	761
04/26/2019	EDT	717	691	679	678	694	744	828	878	881	874	862	849	834	825	815	796	784	786	778	777	795	822	795	752
04/27/2019	EDT	713	689	679	679	685	701	731	766	803	817	815	809	804	806	804	806	811	822	827	828	833	829	793	750
04/28/2019	EDT	712	691	682	682	684	697	725	759	796	814	805	790	775	757	734	721	720	732	753	775	815	828	786	736
04/29/2019	EDT	702	688	686	690	711	765	853	902	909	901	897	896	889	874	863	853	845	846	852	850	860	857	799	738
04/30/2019	EDT	695	677	671	670	681	727	806	845	850	847	847	851	848	839	833	829	836	843	838	848	862	854	797	738
05/01/2019	EDT	698	679	664	664	672	712	791	835	831	822	813	814	808	799	794	786	788	796	807	815	832	845	793	731
05/02/2019	EDT	683	654	637	634	646	689	768	816	823	818	823	823	821	815	812	801	802	813	821	831	843	842	791	727
05/03/2019	EDT	678	651	637	635	644	686	768	817	824	823	818	810	802	799	789	775	774	778	777	780	796	810	769	715
05/04/2019	EDT	668	639	626	621	622	636	665	704	745	771	779	776	763	750	734	724	718	717	714	716	725	752	726	682
05/05/2019	EDT	641	614	604	607	609	623	650	681	709	724	718	709	705	699	694	695	708	730	754	771	790	807	754	685
05/06/2019	EDT	633	611	603	605	626	677	768	814	822	818	823	827	823	832	845	841	845	854	866	875	884	898	835	758
05/07/2019	EDT	700	663	649	643	652	694	773	818	829	830	831	832	836	842	845	842	844	854	861	869	881	892	839	767
05/08/2019	EDT	711	680	666	665	680	726	810	857	858	842	840	843	842	847	851	857	872	888	899	906	921	936	881	802
05/09/2019	EDT	744	709	694	679	666	706	786	831	837	836	837	852	854	852	847	839	838	844	848	851	856	860	804	737
05/10/2019	EDT	680	646	631	626	639	683	767	820	829	829	822	818	810	802	798	795	790	790	789	784	790	825	808	766
05/11/2019	EDT	716	684	671	668	672	686	713	753	787	799	796	785	774	767	766	767	774	779	786	791	803	814	781	734
05/12/2019	EDT	698	676	665	661	660	667	693	730	777	801	802	796	789	782	772	774	783	793	804	823	846	844	802	751
05/13/2019	EDT	715	697	691	696	717	768	847	892	898	893	890	884	875	866	851	839	837	841	850	857	870	887	841	781
05/14/2019	EDT	739	713	711	718	737	792	873	907	885	864	848	842	833	823	817	816	820	828	835	850	864	879	828	758
05/15/2019	EDT	703	672	667	669	682	727	804	849	851	837	831	829	826	828	829	830	836	850	861	871	874	900	855	775
05/16/2019	EDT	713	675	659	652	663	704	782	828	840	844	851	862	877	891	904	908	915	930	931	926	921	935	892	819
05/17/2019	EDT	758	720	700	689	694	727	801	851	869	875	886	904	920	931	938	941	948	963	956	947	935	937	892	820

**Annual Electric Balancing Authority Area and Planning
 Area Report
 For the Year Ending December 31, 2019**

Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
12/20/2019	EST	949	919	912	913	937	986	1,078	1,142	1,132	1,095	1,045	1,015	987	971	961	947	957	1,021	1,058	1,050	1,044	1,029	994	947
12/21/2019	EST	910	880	860	853	860	879	911	954	991	992	965	930	892	865	847	840	852	912	954	952	948	941	919	883
12/22/2019	EST	852	832	824	828	835	847	880	929	964	951	912	880	855	832	813	809	821	883	944	952	952	937	907	862
12/23/2019	EST	827	810	807	810	829	870	935	993	1,011	998	967	935	905	881	865	855	857	911	965	967	964	947	917	871
12/24/2019	EST	832	810	801	810	823	847	884	934	970	986	973	942	905	875	853	843	837	871	887	881	881	874	854	820
12/25/2019	EST	788	767	758	757	754	761	778	823	859	866	846	818	782	745	717	703	702	735	779	780	776	761	729	688
12/26/2019	EST	652	634	626	625	636	668	725	787	823	848	861	858	850	836	827	822	826	869	909	902	885	857	812	766
12/27/2019	EST	722	703	687	679	694	726	784	844	886	916	935	941	934	924	915	910	916	959	993	983	967	943	909	867
12/28/2019	EST	825	801	785	777	785	799	826	863	901	927	949	939	914	886	862	851	860	893	908	892	875	851	821	779
12/29/2019	EST	738	709	691	679	678	685	704	737	771	791	805	812	816	812	806	801	815	860	881	869	852	828	791	750
12/30/2019	EST	719	703	703	718	743	787	856	916	957	975	981	996	1,000	1,010	1,013	1,010	1,019	1,062	1,083	1,069	1,048	1,020	975	927
12/31/2019	EST	893	870	858	853	868	899	938	983	1,007	1,014	1,027	1,038	1,031	1,021	1,008	1,003	1,008	1,031	1,035	997	961	936	912	887

**Annual Electric Balancing Authority Area and Planning
 Area Report
 For the Year Ending December 31, 2019**

Utility Code: 40211
 Utility Name: Wabash Valley Power Association, Inc.

Part III - Schedule 2. Forecast Summer and Winter Peak Demand and Annual Net Energy for Load

Provide the planning area's forecast summer and winter peak demand, in megawatts, and annual net energy for load, in megawatthours, for the next ten years.

Line No (a)	Year (b)	Summer Forecast (MW) (c)	Winter Forecast (MW) (d)	Forecast of Annual Net Energy for Load (MWh) (e)
1	2020	1,598	1,356	8,285,937
2	2021	1,608	1,363	8,310,276
3	2022	1,619	1,372	8,361,777
4	2023	1,633	1,385	8,433,490
5	2024	1,649	1,399	8,536,219
6	2025	1,661	1,411	8,576,747
7	2026	1,675	1,422	8,645,314
8	2027	1,692	1,437	8,730,550
9	2028	1,710	1,453	8,843,892
10	2029	1,729	1,468	8,912,992

Appendix F

F. EIA-861 (2020)

- Annual Electric Power Industry Report

**2020 IRP
Appendix
Page Nos.
52-80**

SCHEDULE 1. IDENTIFICATION

SURVEY CONTACTS: Persons to contact with question about this form **RESPONSE DUE DATE: Please submit by April 30th following the close of calendar year**

Contact Denise Sewell REPORT FOR: Wabash Valley Power Assn, Inc 40211
 Title: Accounting Supervisor REPORTING PERIOD: 2020

Phone: (317) 481-2863 FAX: Email: denises@wvpa.com

Supervisor Theresa Young Logged By / Date:
 Title: Chief Financial Officer Logged In: Receipt Date (mm/dd/yyyy):

Phone: (317) 481-2827 FAX: (317) 243-6416 Email: theresay@wvpa.com

1	Legal Name of Industry Participant	Wabash Valley Power Assn, Inc	Submission Status/Date:	Submitted	04/27/2021															
2	Current Address of Principal Business Office	6702 Intech Boulevard Indianapolis IN 46278																		
3	Preparer's Legal Name Operator (if different than line 1)																			
4	Current Address of Preparer's Office (if different than line 2)																			
5	Respondent Type (Check One)	<table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> Federal</td> <td><input type="checkbox"/> State</td> <td><input type="checkbox"/> Transmission</td> </tr> <tr> <td><input type="checkbox"/> Political Subdivision</td> <td><input type="checkbox"/> Municipal</td> <td><input type="checkbox"/> Behind the Meter</td> </tr> <tr> <td><input type="checkbox"/> Municipal Marketing Authority</td> <td><input type="checkbox"/> Investor-Owned</td> <td><input type="checkbox"/> Wholesale Power Marketer</td> </tr> <tr> <td><input checked="" type="checkbox"/> Cooperative</td> <td><input type="checkbox"/> Retail Power Marketer (or Energy Service Provider)</td> <td><input type="checkbox"/> DSM Administrator</td> </tr> <tr> <td><input type="checkbox"/> Independent Power Producer or Qualifying Facility</td> <td><input type="checkbox"/> Community Choice Aggregator</td> <td></td> </tr> </table>				<input type="checkbox"/> Federal	<input type="checkbox"/> State	<input type="checkbox"/> Transmission	<input type="checkbox"/> Political Subdivision	<input type="checkbox"/> Municipal	<input type="checkbox"/> Behind the Meter	<input type="checkbox"/> Municipal Marketing Authority	<input type="checkbox"/> Investor-Owned	<input type="checkbox"/> Wholesale Power Marketer	<input checked="" type="checkbox"/> Cooperative	<input type="checkbox"/> Retail Power Marketer (or Energy Service Provider)	<input type="checkbox"/> DSM Administrator	<input type="checkbox"/> Independent Power Producer or Qualifying Facility	<input type="checkbox"/> Community Choice Aggregator	
<input type="checkbox"/> Federal	<input type="checkbox"/> State	<input type="checkbox"/> Transmission																		
<input type="checkbox"/> Political Subdivision	<input type="checkbox"/> Municipal	<input type="checkbox"/> Behind the Meter																		
<input type="checkbox"/> Municipal Marketing Authority	<input type="checkbox"/> Investor-Owned	<input type="checkbox"/> Wholesale Power Marketer																		
<input checked="" type="checkbox"/> Cooperative	<input type="checkbox"/> Retail Power Marketer (or Energy Service Provider)	<input type="checkbox"/> DSM Administrator																		
<input type="checkbox"/> Independent Power Producer or Qualifying Facility	<input type="checkbox"/> Community Choice Aggregator																			

For questions or additional information about the Form EIA-861 contact the Survey Manager: Fax: (202) 287 - 1938 Email: EIA-861@eia.gov
Stephen Scott Phone: (202) 586-5140 Email: stephen.scott@eia.gov

REPORT FOR: Wabash Valley Power Assn, Inc 40211
REPORT PERIOD ENDING: 2020

SCHEDULE 2. PART A. GENERAL INFORMATION

LINE NO.

1	Regional North American Electric Reliability Council (Not applicable for power marketers)	<input type="checkbox"/> TRE (formerly ERCOT) <input type="checkbox"/> FRCC <input type="checkbox"/> MRO	<input type="checkbox"/> NPCC <input checked="" type="checkbox"/> RFC (formerly ECAR, MAIN, MAAC) <input checked="" type="checkbox"/> SERC	<input type="checkbox"/> SPP <input type="checkbox"/> WECC
2	Name of RTO or ISO	<input type="checkbox"/> California ISO <input type="checkbox"/> Electric Reliability Council of Texas <input checked="" type="checkbox"/> PJM Interconnection <input type="checkbox"/> New York ISO	<input type="checkbox"/> Southwest Power Pool <input checked="" type="checkbox"/> Midwest ISO <input type="checkbox"/> ISO New England <input type="checkbox"/> None	
3	(For EIA Use Only) Identify the North American Electric Reliability Council where you are physically located	RFC		
4	Did Your Company Operate Generating Plants(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5	Identify The Activities Your Company Was Engaged In During The Year (Check appropriate activities)	<input checked="" type="checkbox"/> Generation from company owned plant <input checked="" type="checkbox"/> Transmission <input checked="" type="checkbox"/> Buying transmission services on other electrical system <input type="checkbox"/> Distribution using owned/leased electric wires	<input type="checkbox"/> Buying distribution on other electrical system <input checked="" type="checkbox"/> Wholesale power marketing <input type="checkbox"/> Retail power marketing <input type="checkbox"/> Bundled Services (electricity plus other services such as gas, water, etc. in addition to electric service))	
6	Highest Hourly Electrical Peak System Demand	Summer (Megawatts) Winter (Megawatts)	1,622.0 1,276.0	Prior Year Prior Year 1,465.0 1,622.0
7	Did Your Company Operate Alternative-Fueled Vehicles During the Year? Does Your Company Plan to Operate Such Vehicles During the Coming Year?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
If "Yes", Please Provide Additional Contact Information		Name: Andrew Horstman Title: Manager, Load Response Telephone: 317 - 481 - 2847 Fax: 317 - 481 - 6416 Email: andrewh@wvpa.com		

REPORT FOR: Wabash Valley Power Assn, Inc

40211

REPORT PERIOD ENDING: 2020

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION

	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation	2,771,240	11	Sales to Ultimate Consumers	
2	Purchases from Electricity Suppliers	7,929,429	12	Sales For Resale	10,479,016
3	Exchanged Received (In)		13	Energy Furnished Without Charge	
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)	-221,653			
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	10,479,016	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	10,479,016

REPORT FOR: Wabash Valley Power Assn, Inc

40211

REPORT PERIOD ENDING: 2020

SCHEDULE 2. PART C. ELECTRIC OPERATING REVENUE

LINE NO.	TYPE OF OPERATING REVENUE	(THOUSAND DOLLARS to the nearest 0.1)
1	Electrical Operating Revenue From Sales to Ultimate Customers (Schedule 4: Parts A, B, and D)	\$
2	Revenue From Unbundled (Delivery) Customers (Schedule 4: Part C)	\$
3	Electric Operating Revenue from Sales for Resale	\$ 632,089.7
4	Electric Credits/Other Adjustments	\$
5	Revenue from Transmission	\$ 9,738.6
6	Other Electric Operating Revenue	\$ 1,573.6
7	Total Electric Operating Revenue (sum of lines 1, 2, 3, 4, 5 and 6)	\$ 643,401.9

REPORT FOR: Wabash Valley Power Assn, Inc

REPORT PERIOD ENDING:

SCHEDULE 3. PART A.
DISTRIBUTION SYSTEM RELIABILITY DATA

INSTRUCTIONS: For the purpose of this schedule, a distribution circuit is any circuit with a voltage of 34kV or below that emanate from a substation and that serves end use customers.

State/Territory

1	Total Number of Distribution Circuits	
2	Number of Distribution Circuits that employ voltage/VAR optimization (VVO)	

REPORT FOR: Wabash Valley Power Assn, Inc

REPORT PERIOD ENDING:

**SCHEDULE 3. PART B.
 DISTRIBUTION SYSTEM RELIABILITY DATA**

Who is required to complete this schedule?

This schedule collects System Average Interruption Frequency Index (SAIFI) and System Average Interruption Duration Index (SAIDI) statistics. If your organization does not compute these indexes, answer 'no' to Question 1 and then skip to Schedule 4A. You do not have to complete any other part of this schedule 3B or 3C.

Should you complete Part B or Part C?

If your organization computes the SAIFI and SAIDI indexes and determines Major Event Days using the IEEE 1366-2003 or the IEEE 1366-2012 standard, answer 'YES' to Questions 1 and 2, and complete Part B. Then skip to Schedule 4A. (You do not complete Schedule 3, Part C.)

If your organization does not use the IEEE 1366-2003 or the IEEE 1366-2012 standard but calculates SAIDI and SAIFI indexes via other method, answer 'yes' to question 1 and 'no' to question 2 and complete Part C. Then go to Schedule 4A.

- 1 Do you calculate SAIDI and SAIFI by any method? If Yes, go to Question 2. If No, go to Schedule 4, Part A. Yes No
- 2 Do you calculate SAIDI and SAIFI and determine Major Event Days using the IEEE1366-2003 standard or IEEE-2012 standard? If Yes, complete Part B. If No, go to complete Part C. Yes No

Part B: SAIDI and SAIFI in accordance with IEEE 1366-2003 standard or IEEE 1366-2012 standard

State

3a. SAIDI value including Major Event days

3b. SAIDI value excluding Major Event days

4 SAIDI value including Major Event days minus loss of supply

5a. SAIFI value including Major Event days

5b. SAIFI value excluding Major Event days

6. SAIFI value including Major Event days minus loss of supply

7. Total number of customers used in these calculations

8. What is the highest voltage that you consider part of the distribution system, as opposed to the supply system? (kV)

9. Do you receive information about a customer outage in advance of a customer reporting it? Yes No

Thank You for completing this part. Skip Part C and go directly to Schedule 4 Part A.

REPORT FOR: Wabash Valley Power Assn, Inc

40211

REPORT PERIOD ENDING: 2020

Part C: SAIDI and SAIFI calculated by other methods

State

10a. SAIDI value including Major Events

10b. SAIDI value excluding Major Events

11a. SAIFI value including Major Events

11b. SAIFI value excluding Major Events

12. Total number of customers used in these calculations

13. Do you include inactive accounts?

Yes

No

14. How do you define momentary interruptions

Less than 1 min.

Less than 5 min.

Other

15. What is the highest voltage that you consider part of the distribution system, as opposed to the supply system?

kv

16. Is information about customer outages recorded automatically?

Yes

No

REPORT FOR: Wabash Valley Power Assn, Inc

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SCHEDULE 4. PART A. SALES TO ULTIMATE CUSTOMERS, FULL SERVICE - ENERGY AND DELIVERY SERVICE (BUNDLED)

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State					
Balancing Authority					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Are your rates decoupled?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If the answer is YES, is the revenue adjustment automatic or does it require a rate-making proceeding?	<input checked="" type="checkbox"/> automatic	<input checked="" type="checkbox"/> automatic	<input checked="" type="checkbox"/> automatic	<input checked="" type="checkbox"/> automatic	
	<input checked="" type="checkbox"/> proceeding	<input checked="" type="checkbox"/> proceeding	<input checked="" type="checkbox"/> proceeding	<input checked="" type="checkbox"/> proceeding	
Cents/Kwh					

State
Revenue (thousand dollars)
Megawatthours
Number of Customers
Are your rates decoupled?
If the answer is YES, is the revenue adjustment automatic or does it require a rate-making proceeding?
Cents/Kwh

Total
Revenue (thousand dollars)
Megawatthours
Number of Customers

REPORT FOR: Wabash Valley Power Assn, Inc 40211

REPORT PERIOD ENDING: 2020

SCHEDULE 4. PART B. SALES TO ULTIMATE CUSTOMERS. ENERGY -- ONLY SERVICE (WITHOUT DELIVERY SERVICE)

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State	Balancing Authority				
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					

Total
Revenue (thousand dollars)
Megawatthours
Number of Customers

REPORT FOR: Wabash Valley Power Assn, Inc

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REPORT PERIOD ENDING: 2020

SCHEDULE 4. PART C. SALES TO ULTIMATE CUSTOMERS. DELIVERY -- ONLY SERVICE (AND OTHER RELATED CHARGES)

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State	Balancing Authority				
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					

Total
Revenue (thousand dollars)
Megawatthours
Number of Customers

REPORT FOR: Wabash Valley Power Assn, Inc

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REPORT PERIOD ENDING: 2020

SCHEDULE 4. PART D. BUNDLED SERVICE BY RETAIL ENERGY PROVIDERS AND POWER MARKETERS

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State	Balancing Authority				
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					

Total
Revenue (thousand dollars)
Megawatthours
Number of Customers

REPORT FOR: Wabash Valley Power Assn, Inc 40211

REPORTING PERIOD ENDING: 2020

SCHEDULE 5. MERGERS and/or ACQUISITIONS

Mergers and/or acquisitions during the reporting month

If Yes, Provide:

Date of Merger or Acquisition

Company merged with or acquired

Name of new parent company

Address

City

State, Zip

New Contact Name

Telephone No.

Email address

REPORT FOR: Wabash Valley Power Assn, Inc

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SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS
Adjusted Gross Energy and Demand Savings -- Energy Efficiency

If you have a non utility DSM administrator that reports your DSM activity for you please select them from the list

State/Territory	IL	Balancing Authority				56669
		RESIDENTIAL	COMMERCIAL	INDUSTRIAL	TRANS	Total
		(a)	(b)	(c)	(d)	(e)
Reporting Year Incremental Annual Savings						
1	Energy Savings (MWh)	122.224	1,459.000	385.000	0.000	1,966.224
2	Peak Demand Savings (MW)	0.038	0.198	0.050	0.000	0.286
Increment Life Cycle Savings						
3	Energy Savings (MWh)	2871.230	19,786.790	5,079.820	0.000	27,737.840
4	Peake Demand Savings (MW)	0.038	0.198	0.050	0.000	0.286
Reporting Year Incremental Costs						
5	Customer Incentives	13.000	189.000	49.000		251.000
6	All other costs	41.000	76.000	75.000		192.000
Incremental Life Cycle Costs						
7	Customer Incentives	13.000	189.000	49.000		251.000
8	All other costs	41.000	76.000	75.000		192.000
Weighted Average Life for Portfolio (Years) - Use Spreadsheet to Calculate						
9	Weighted Average Life	23.492	13.558	13.211		50.000

Please provide website address to your energy efficiency program reports:

General program information can be found at www.Pow

REPORT FOR: Wabash Valley Power Assn, Inc

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REPORT PERIOD ENDING: 2020

SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS
Adjusted Gross Energy and Demand Savings -- Energy Efficiency

State/Territory	IN	Balancing Authority				Total
		RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANS (d)	
Reporting Year Incremental Annual Savings						
1	Energy Savings (MWh)	95.000	466.000	2,736.000	0.000	3,297.000
2	Peak Demand Savings (MW)	0.010	0.060	0.281	0.000	0.351
Increment Life Cycle Savings						
3	Energy Savings (MWh)	2248.400	6,090.960	35,071.100	0.000	43,410.460
4	Peake Demand Savings (MW)	0.010	0.060	0.281	0.000	0.351
Reporting Year Incremental Costs						
5	Customer Incentives	14.000	35.000	201.000	0.000	250.000
6	All other costs	35.000	49.000	48.000	0.000	132.000
Incremental Life Cycle Costs						
7	Customer Incentives	14.000	35.000	201.000	0.000	250.000
8	All other costs	35.000	49.000	48.000	0.000	132.000
Weighted Average Life for Portfolio (Years) - Use Spreadsheet to Calculate						
9	Weighted Average Life	23.659	13.069	12.819		50.000

Please provide website address to your energy efficiency program reports:

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REPORT PERIOD ENDING: 2020

SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS
Adjusted Gross Energy and Demand Savings -- Energy Efficiency

State/Territory	IN	Balancing Authority				Total
		RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANS (d)	
Reporting Year Incremental Annual Savings						
1	Energy Savings (MWh)	787.760	20,808.000	10,016.000	0.000	31,611.760
2	Peak Demand Savings (MW)	0.119	2.094	1.080	0.000	3.293
Increment Life Cycle Savings						
3	Energy Savings (MWh)	18577.000	273,610.990	136,169.180		428,357.170
4	Peake Demand Savings (MW)	0.119	2.094	1.080		3.293
Reporting Year Incremental Costs						
5	Customer Incentives	93.000	829.000	815.000		1,737.000
6	All other costs	176.000	260.000	259.000		695.000
Incremental Life Cycle Costs						
7	Customer Incentives	93.000	829.000	815.000		1,737.000
8	All other costs	176.000	260.000	259.000		695.000
Weighted Average Life for Portfolio (Years) - Use Spreadsheet to Calculate						
9	Weighted Average Life	23.582	13.149	13.596		50.000

Please provide website address to your energy efficiency program reports:

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REPORT PERIOD ENDING: 2020

SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS
Adjusted Gross Energy and Demand Savings -- Energy Efficiency

State/Territory	MO	Balancing Authority				Total
		RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANS (d)	
Reporting Year Incremental Annual Savings						
1	Energy Savings (MWh)	197.000	1,333.000	2,261.000	0.000	3,791.000
2	Peak Demand Savings (MW)	0.022	0.191	0.389	0.000	0.602
Increment Life Cycle Savings						
3	Energy Savings (MWh)	4638.180	18,086.370	30,721.480	0.000	53,446.030
4	Peake Demand Savings (MW)	0.022	0.191	0.389	0.000	0.602
Reporting Year Incremental Costs						
5	Customer Incentives	24.000	122.000	87.000	0.000	233.000
6	All other costs	31.000	41.000	40.000	0.000	112.000
Incremental Life Cycle Costs						
7	Customer Incentives	24.000	122.000	87.000	0.000	233.000
8	All other costs	31.000	41.000	40.000	0.000	112.000
Weighted Average Life for Portfolio (Years) - Use Spreadsheet to Calculate						
9	Weighted Average Life	23.492	13.566	13.587		51.000

Please provide website address to your energy efficiency program reports:

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SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS

DMS Administration only. List all utilities that you provide service for.

State

Utility Name

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Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response

Reporting Year Savings

State/Territory	IL	Balancing Authority	56669	(a)	(b)	(c)	(d)	(e)
				Residential	Commercial	Industrial	Transportation	Total
1		Number of Customers Enrolled		4,496	3			4,499
2		Energy Savings (Mwh)						
3		Potential Peak Demand Savings (MW)		9.183	0.113			9.296
4		Actual Peak Demand Savings (MW)		8.264	0.101			8.365

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)

Reporting Year Costs

5		Customer Incentives		501.628				501.628
6		All other costs						

7 If you have a demand side management (DMS) program for grid-interactive water heaters (as defined by DOE), how many grid interactive water heaters were added to your program this year?

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Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response

Reporting Year Savings

State/Territory	IN	Balancing Authority	14725	(a)	(b)	(c)	(d)	(e)
				Residential	Commercial	Industrial	Transportation	Total
1	Number of Customers Enrolled			86				86
2	Energy Savings (Mwh)							
3	Potential Peak Demand Savings (MW)			3.219				3.219
4	Actual Peak Demand Savings (MW)			2.897				2.897

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)

Reporting Year Costs

5	Customer Incentives			173.726				173.726
6	All other costs							

7 If you have a demand side management (DMS) program for grid-interactive water heaters (as defined by DOE), how many grid interactive water heaters were added to your program this year?

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Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response

Reporting Year Savings

State/Territory	IN	Balancing Authority	56669	(a)	(b)	(c)	(d)	(e)
				Residential	Commercial	Industrial	Transportation	Total
1		Number of Customers Enrolled		21,082	8			21,090
2		Energy Savings (Mwh)						
3		Potential Peak Demand Savings (MW)		43.524	7.904			51.428
4		Actual Peak Demand Savings (MW)		39.171	7.113			46.284

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)

Reporting Year Costs

5		Customer Incentives		2,774.567				2,774.567
6		All other costs						

7 If you have a demand side management (DMS) program for grid-interactive water heaters (as defined by DOE), how many grid interactive water heaters were added to your program this year?

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Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response

Reporting Year Savings

State/Territory	MO	Balancing Authority	56669	(a)	(b)	(c)	(d)	(e)
				Residential	Commercial	Industrial	Transportation	Total
1		Number of Customers Enrolled		143				143
2		Energy Savings (Mwh)						
3		Potential Peak Demand Savings (MW)		0.116				0.116
4		Actual Peak Demand Savings (MW)		0.104				0.104

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)

Reporting Year Costs

5		Customer Incentives		6.270				6.270
6		All other costs						

7 If you have a demand side management (DMS) program for grid-interactive water heaters (as defined by DOE), how many grid interactive water heaters were added to your program this year?

REPORT FOR: Wabash Valley Power Assn, Inc

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SCHEDULE 6. PART C. DYNAMIC PRICING PROGRAMS

Number of Customers

INSTRUCTIONS: Report the number of customers participating in dynamic pricing programs, e.g. Time-of-Use-Pricing, Real-Time-Pricing, Variable Peak Pricing, Critical Peak Pricing Programs.

State/Territory

Balancing Authority

Residential
(a)

Commercial
(b)

Industrial
(c)

Transportatio
(d)

Total
(e)

1 Number of Customers enrolled in dynamic pricing programs, by customer class

Types of Dynamic Pricing Programs

INSTRUCTIONS: For each customer class, mark the types of dynamic pricing programs in which the customers are participating.

Residential
(a)

Commercial
(b)

Industrial
(c)

Transportatio
(d)

2 Time-of-Use Pricing Yes No Yes No Yes No Yes No

3 Real-Time Pricing Yes No Yes No Yes No Yes No

4 Variable Peak Pricing Yes No Yes No Yes No Yes No

5 Critical Peak Pricing Yes No Yes No Yes No Yes No

6 Critical Peak Rebate Yes No Yes No Yes No Yes No

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SCHEDULE 6. PART D. ADVANCED METERING

Only customers from schedule 4A and 4C need to be reported on this schedule.
 AMR- data transmitted one-way, to the utility.
 AMI- data transmitted in both directions, to the utility and customer

State	Balancing Authority	Residential	Commercial	Industrial	Transportation	Total
		(a)	(b)	(c)	(d)	(e)
1	Number of AMR Meters					
2	Number of AMI Meters					
3	Number of AMI Meters with home area network (HAN) gateway enabled					
4	Number of non AMR/AMI Meters					
5	Total Number of Meters (All Types), line 1+2+4					
6	Energy Served Through AMI					
7	Number of Customers able to access daily energy usage through a webportal or other electronic means					
8	Number of customers with direct load control					

REPORT FOR: Wabash Valley Power Assn, Inc

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SCHEDULE 7. PART A. NET METERING

Net Metering programs allow customers to sell excess power they generated back to the electrical grid to offset consumption. Provide the information about programs by State balancing authority, customer class, and technology for all net metering applications.

State	Balancing Authority	Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)	Total (e)
	Net Metering Installed Capacity (MW)					
	Net Metering Installations					
	Storage Installed Capacity (MW)					
	Storage Installations					
Photovoltaic	Virtual NM Installed Capacity (1 MW and greater)					
	Virtual NM Customers (1 MW and greater)					
	Virtual NM Installed Capacity (less than 1MW)					
	Virtual NM Customers (less than 1MW)					
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					
	Installed Net Metering Capacity (MW)					
Wind	Number of Net Metering Customers					
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					
	Installed Net Metering Capacity (MW)					
Other	Number of Net Metering Customers					
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					
	Installed Net Metering Capacity (MW)					
Total	Number of Net Metering Customers					
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					

	Net Metering Installed Capacity (MW)					
Grand Total All States	Net Metering Installations/customers					
	If Available, Enter the Electric Energy Sold Back to the Utility (MWh)					

REPORT FOR Wabash Valley Power Assn, Inc

REPORT PERIOD ENDING:

SCHEDULE 7. PART B. NON NET-METERED DISTRIBUTED GENERATORS

If your company owns and/or operates a distribution system, please report information on known distributed generation (grid connected/synchronized) capacity on the system. Such capacity must be utility or customer-owned

NUMBER AND CAPACITY

State	Balancing Authority	< 1MW
1. Number of generators		3. Capacity that consists of backup-only units
2. Total combined capacity (MW)		4. Capacity owned by respondent

Capacity by Technology and Sector (MW)

	Residential	Commercial	Industrial	Transportation	Direct Connected	Total
5. Internal combustion						
6. Combustion turbine(s)						
7. Steam turbine(s)						
8. Fuel Cell(s)						
9. Hydroelectric						
10. Photovoltaic						
11. Storage						
12. Wind turbine(s)						
13. Other						
14. Total						

REPORT FOR: Wabash Valley Power Assn, Inc

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SCHEDULE 8. DISTRIBUTION SYSTEM INFORMATION

If your company owns a distribution system, please identify the names of the counties (parish, etc.) by State in which the electric wire/equipment are located.

LINE NO.	STATE (US Postal Abbreviation) (a)	COUNTY (Parish, Etc.) (b)	LINE NO.	STATE (US Postal Abbreviation) (a)	COUNTY (Parish, Etc.) (b)
1	-				

REPORT FOR: Wabash Valley Power Assn, Inc

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SCHEDULE 9. COMMENTS

SCHEDULE	PART	LINE NO.	COLUMN	NOTES
(a)	(b)	(c)	(d)	(e)

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EIA861 ERROR LOG

Part	State	BA ID	Error No.	Error Description/Override Comment	Type	Override

Appendix G

G. Electronic Format Files

MetrixND Load Files

Plexos Files – Base Expansion Cases and Avoided Cost

Plexos Files – Alternate Expansion Cases

Revenue Requirements for Base and Alternate Expansion Plans

Market Price and Expansion Assumptions

Stochastic, Data & xml Files