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March 31, 2021

Ms. Renee J. Jenkins  
Director, Administration Department  
Secretary to the Commission  
Docketing Division  
The Public Utilities Commission of Ohio  
180 East Broad Street  
Columbus, Ohio 43215-3793

**Re:    *In the Matter of the FirstEnergy Companies Report Filed Pursuant to  
Rule 26 of the Electric Service and Safety Standards, Ohio  
Administrative Code 4901:1-10-26  
Case No. 21-997-EL-ESS***

Dear Ms. Jenkins:

Enclosed for filing please find FirstEnergy's Annual Report in the above-referenced proceeding filed pursuant to Rule 26 of the Electric Service and Safety Standards, Ohio Administrative Code 4901:1-10-26.

Thank you for your assistance in this matter. Please contact me if you have any questions concerning this matter.

Respectfully,

*/s/ Emily V. Danford*

Emily V. Danford

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**BEFORE  
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the matter of the Annual Report of the	)	
Electric Service and Safety Standards.	)	Case No: 21-0997-EL-ESS
Pursuant to Rule 4901:1-10-26(B) of the Ohio	)	
Administrative Code	)	

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ANNUAL REPORT OF  
Ohio Edison Company  
submitted for the year 2020.

I certify that the following report accurately and completely reflects the annual report requirements pursuant to Rule 4901:1-10-26 of the Ohio Administrative Code.



Signature

Edward L. Shuttleworth

Printed Name

Regional President

Title

3/16/2021

Date

**Ohio Edison Company  
Rule 26 Report for 2020**

**1. 4901:1-10-26(B)(1), (B)(1)(b), (B)(1)(c) Future Investment Plan for Facilities and Equipment, covering period of no less than three years**

Identification of project, program, or plan	Transmission or Distribution	Project Description and Goals	Portion of Service Territory Affected	Characteristics of Territory Affected	Estimated Cost	Initiation Date	Planned Completion Date
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**Notes:**

1. Based on Rule 4901:1-10-26(B)(1)(b), this section is looking for only those projects for which the timeline is no less than three years. Specifically, it documents projects that began in calendar year 2020 and are not expected to be completed in less than three years from their start date. The Ohio Edison Company has no projects that meet that criteria at this time.

**Ohio Edison Company  
Rule 26 Report for 2020**

**1a. 4901:1-10-26(B)(1), (B)(1)(a) Relevant Characteristics of the Service Territory**

<b>Transmission or Distribution</b>	<b>Overhead Miles</b>	<b>Underground Miles</b>	<b>Notable Characteristics</b>
D <sup>1</sup>	18,515	6,671	
T <sup>2</sup>	345	34	

**Notes:**

1. Mileage reflects primary circuit miles owned by Ohio Edison Company.
2. Mileage reflects transmission circuit miles owned by Ohio Edison Company.
3. See Table 1a of the 2020 Rule 26 report for American Transmission Systems, Inc. ("ATSI") transmission miles.

**Ohio Edison Company  
Rule 26 Report for 2020**

**1b. 4901:1-10-26(B)(1) Future Investment Plan for Facilities and Equipment**

<b>Transmission or Distribution</b>	<b>2020 Planned Costs</b>	<b>2020 Actual Costs</b>	<b>2021 Planned Costs</b>	<b>2022 Planned Costs</b>	<b>2023 Planned Costs</b>	<b>2024 Planned Costs</b>
D	\$231,553,212	\$243,247,085	\$281,718,026	\$246,232,269	\$175,006,809	\$176,431,359
T	\$2,338,921	\$2,457,041	\$2,845,637	\$2,487,195	\$1,767,746	\$1,782,135

**Notes:**

1. 2021 - 2024 Planned Costs are estimates.
2. All budgets are subject to change.

**Ohio Edison Company  
Rule 26 Report for 2020**

**2. 4901:1-10-26(B)(1)(d), (B)(1)(f) Complaints from Other Entities**

Entity making complaint	Date complaint received	Nature of complaint	Actions taken to address complaint	Resolved (yes/no)	Date complaint resolved	If not resolved, why?

**Notes:**

1. The Ohio Edison Company is not aware of any formal complaints from other entities for 2020.

**Ohio Edison Company  
Rule 26 Report for 2020**

**3a. 4901:1-10-26(B)(1)(e), (B)(1)(f) Electric Reliability Organization Standards Violations**

Standard Number	Standard Name	Date of Violation	Risk Factor	Severity Factor	Penalty Dollars	Violation Description	Resolved (yes/no)	Date Resolved	Of not resolved why?
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**Notes:**

1. None, but see also Table 3a of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**Ohio Edison Company  
Rule 26 Report for 2020**

**3b. 4901:1-10-26(B)(1)(e), (B)(1)(f) Regional Transmission Organization (RTO) Violations**

<b>Name of RTO Violation</b>	<b>Violation Description</b>	<b>Resolved (yes/no)</b>	<b>Date Resolved</b>	<b>Of not resolved why?</b>
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**Notes:**

1. None, but see also Table 3b of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").



**Ohio Edison Company  
Rule 26 Report for 2020**

**3c. 4901:1-10-26(B)(1)(e) Transmission Load Relief (TLR) Events**

<b>Event Start</b>	<b>Event End</b>	<b>Highest TLR During Event</b>	<b>Firm Load Interrupted During Event</b>	<b>Amount of Load (MW) Interrupted</b>	<b>Description of Event</b>
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**Notes:**

1. None, but see also Table 3c of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**Ohio Edison Company  
Rule 26 Report for 2020**

**3d. 4901:1-10-26(B)(1)(e) Top Ten Congestion Facilities by Hours of Congestion**

<b>Rank</b>	<b>Description of Facility Causing Congestion</b>
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**Notes:**

1. None, but see also Table 3d of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**Ohio Edison Company  
Rule 26 Report for 2019**

**3e. 4901:1-10-26(B)(1)(e) Annual System Improvement Plan and Regional Transmission Operator Expansion Plan**

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**Relationship Between Annual System Improvement Plan and RTO Transmission Expansion Plan**

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**Notes:**

1. None, but see also Table 3e of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**Ohio Edison Company  
Rule 26 Report for 2020**

**4. 4901:1-10-26(B)(4) Report of Implementation Plans from Previous Reporting Periods**

Identification of Project, Program, or Plan	Transmission or Distribution	Planned Completion Date	Actual Completion Date	Identification of Deviation from Previous Plan	Reason for Deviation from Previous Plan
OE2019-1 Ohio Grid Modernization	D	8/31/2022		No Changes	

**Notes:**

1. Includes complete, on track, and/or modified projects.

**Ohio Edison Company  
Rule 26 Report for 2020**

**5. 4901:1-10-26(B)(3), (B)(3)(a) Characteristics of Condition of Company's System**

<b>Transmission or Distribution</b>	<b>Qualitative Characterization of Condition of System</b>	<b>Explanation of Criteria Used in Making Assessment for Each Characterization</b>
T	The Ohio Edison system provides safe and reliable service.	Daily assessment and review of transmission breaker operations. System maintenance as described in the OAC Rule 4901:1-10-27 and 24x7 response for outage and trouble.
D	The Ohio Edison system provides safe and reliable service.	Daily assessment and review of service level metrics (SAIFI and CAIDI). System maintenance as described in the OAC Rule 4901:1-10-26 and 24x7 response for outage and trouble.

**Notes:**

**Ohio Edison Company  
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**6. 4901:1-10-26(B)(3), (B)(3)(b) Safety and Reliability Complaints**

<b>Transmission or Distribution</b>	<b>Availability of Service</b>	<b>Damage</b>	<b>Momentary Interruption</b>	<b>Out of Service</b>	<b>Quality of Service</b>	<b>Repair Service</b>	<b>Public Safety</b>	<b>Total Complaints</b>
D	293	0	0	0	213	0	0	506

**Notes:**

**Ohio Edison Company  
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**7a. 4901:1-10-26(B)(3)(c), (B)(3)(c)(i) Transmission Capital Expenditures**

<b>Total transmission capital expenditures in 2020</b>	\$2,457,041
<b>Total transmission investment as of year end</b>	\$204,472,582
<b>Transmission capital expenditure as % of total transmission investment</b>	1.2%

**Notes:**

Budgets are subject to change.

**7b. 4901:1-10-26(B)(3)(c), (B)(3)(c)(i) Transmission Maintenance Expenditures**

<b>Total transmission maintenance expenditures in 2020</b>	\$426,098
<b>Total transmission investment as of year end</b>	\$204,472,582
<b>Transmission maintenance expenditure as % of total transmission investment</b>	0.2%

**Notes:**

1. Budgets are subject to change.

**Ohio Edison Company  
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**7c. 4901:1-10-26(B)(3), (B)(3)(c)(ii), (B)(3)(c)(iii) Transmission Capital Expenditures - Reliability Specific**

<b>Transmission Capital Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Condition	\$89,000	\$1,139,816	Over 100%	Over budget due to greater replacement of condition program expenses than budgeted.	\$0
Forced	\$0	\$113,623	Over 100%	Over budget due to greater relocation work than budgeted.	\$0
Miscellaneous	\$0	\$198,793	Over 100%	Over budget due to unbudgeted transmission replacements resulting from corrective maintenance program.	\$0
System Reinforcement	\$150,000	\$12,032	-92%	Under budget due to lower new load projects.	\$0
Vegetation Management	\$0	\$96,842	Over 100%	Over budget due to higher planned trimming than anticipated.	\$0

**Notes:**

1. Budgets are subject to change.



**Ohio Edison Company**  
**Rule 26 Report for 2020**

**7d. 4901:1-10-26(B)(3), (B)(3)(c)(ii), (B)(3)(c)(iii) Transmission Maintenance Expenditures - Reliability Specific**

<b>Transmission Maintenance Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Corrective Maintenance	\$185,760	\$50,161	-73%	Under budget due to corrective maintenance costs lower than anticipated.	\$193,779
Forced	\$0	\$12,137	Over 100%	Over budget due to emergency storm restoration and follow-up work higher than budgeted costs.	\$0
Miscellaneous	\$0	-\$53	0%	Minor Variance	\$0
Operations	\$0	\$6,436	Over 100%	Over budget due to greater substation work than anticipated in the budget.	\$0
Condition	\$0	\$11,012	Over 100%	Over budget due to higher unscheduled maintenance repairs than budgeted.	\$0
Preventative Maintenance	\$0	\$410	Over 100%	Over budget due to higher substation preventative maintenance costs than budgeted.	\$0
Vegetation Management	\$0	\$340,784	Over 100%	Over budget due to higher planned trimming than anticipated.	\$0

**Notes:**

1. Budgets are subject to change.

**Ohio Edison Company  
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**8a. 4901:1-10-26(B)(3)(d), (B)(3)(d)(i) Distribution Capital Expenditures**

<b>Total distribution capital expenditures in 2020</b>	<b>\$243,247,085</b>
<b>Total distribution investment as of year end</b>	<b>\$2,982,627,201</b>
<b>Distribution capital expenditure as % of total distribution investment</b>	<b>8.2%</b>

**Notes:**

Budgets are subject to change.

**8b. 4901:1-10-26(B)(3)(d), (B)(3)(d)(i) Distribution Maintenance Expenditures**

<b>Total distribution maintenance expenditures in 2020</b>	<b>\$60,692,131</b>
<b>Total distribution investment as of year end</b>	<b>\$2,982,627,201</b>
<b>Distribution maintenance expenditure as % of total distribution investment</b>	<b>2.0%</b>

**Notes:**

1. Budgets are subject to change.

**Ohio Edison Company**  
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**8c. 4901:1-10-26(B)(3), (B)(3)(d)(ii), (B)(3)(d)(iii) Distribution Capital Expenditures - Reliability Specific**

<b>Distribution Capital Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Condition	\$58,062,579	\$60,368,523	4%	Minor Variance	\$83,375,163
Forced	\$61,807,084	\$48,584,936	-21%	Under budget due to lower substation, line failure work, and emergency storm restoration than budgeted.	\$59,937,518
Miscellaneous	\$8,717,397	\$7,613,074	-13%	Under budget due to lower meter exchange and Streetlight repairs than budgeted.	\$8,235,986
System Reinforcement	\$4,500,356	\$5,950,419	32%	Over budget due to higher emergent new load projects than budgeted	\$516,908
Vegetation Management	\$7,206,675	\$7,137,088	-1%	Minor Variance	\$7,652,387

**Notes:**

1. Budgets are subject to change.

**Ohio Edison Company**  
**Rule 26 Report for 2020**

**8d. 4901:1-10-26(B)(3), (B)(3)(d)(ii), (B)(3)(d)(iii) Distribution Maintenance Expenditures - Reliability Specific**

<b>Distribution Maintenance Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Corrective Maintenance	\$5,761,352	\$8,538,590	48%	Over budget due to greater substation and line corrective maintenance work than anticipated in the budget.	\$6,802,000
Forced	\$10,056,181	\$8,070,778	-20%	Under budget due to lower emergency storm restoration regulatory required and failure work than budgeted.	\$10,282,044
Miscellaneous	\$1,781,694	\$5,172,326	Over 100%	Over budget due to higher meter, and street lighting work than anticipated in budget.	\$2,376,587
Operations	\$0	\$334,358	Over 100%	Over budget due to greater line distribution operations work than anticipated in the budget.	\$0
Preventative Maintenance	\$0	\$32,122	Over 100%	Over budget due to higher substation and line preventative maintenance costs than budgeted.	\$0
Condition	\$23,675,940	\$16,947,044	-28%	Under budget due to lower unscheduled maintenance repairs than budgeted.	\$24,352,553
Vegetation Management	\$14,650,486	\$15,008,814	2%	Minor Variance	\$14,650,486

**Notes:**

1. Budgets are subject to change.

**Ohio Edison Company  
Rule 26 Report for 2020**

**9. 4901:1-10-26(B)(3)(e) Average Remaining Depreciation Life of Distribution and Transmission Facilities**

<b>Transmission or Distribution</b>	<b>Asset Type</b>	<b>FERC Account/ Subaccount</b>	<b>Total Depreciable Life of Asset</b>	<b>Total Depreciated Life of Asset</b>	<b>Total Remaining Life of Asset</b>	<b>Percent of Remaining Life of Asset</b>	<b>How Age Was Determined</b>
T	Structures / Improvements	352.1	51.00	35.11	15.89	31.15%	See note 1.
T	Clearing, Grading of Land	352.2	51.00	33.78	17.22	33.77%	See note 1.
T	Station Equipment	353	50.00	26.50	23.50	47.00%	See note 1.
T	Towers & Fixtures	354	51.00	51.00	0.00	0.00%	See note 1.
T	Poles & Fixtures	355	48.00	31.27	16.73	34.86%	See note 1.
T	Overhead Conductors	356.1	55.00	25.09	29.91	54.39%	See note 1.
T	Clearing, Grading of Land	356.2	55.00	6.71	48.29	87.80%	See note 1.
T	Underground Conduit	357	66.00	43.77	22.23	33.68%	See note 1.
T	Underground conduit limited term	357.3	66.00	48.68	17.32	26.25%	See note 1.
T	Underground Conductor	358	45.00	19.46	25.54	56.75%	See note 1.
D	Structures / Improvements	361.1	51.00	15.44	35.56	69.72%	See note 1.
D	Clearing, Grading of Land	361.2	51.00	15.59	35.41	69.42%	See note 1.
D	Station Equipment	362	49.00	15.58	33.42	68.21%	See note 1.
D	Poles & Towers	364	42.00	16.59	25.41	60.51%	See note 1.
D	Overhead Conductor	365	45.00	11.11	33.89	75.30%	See note 1.
D	Underground Conduit	366	66.00	26.47	39.53	59.89%	See note 1.
D	Underground Conductor	367	44.00	12.03	31.97	72.65%	See note 1.
D	Line Transformers	368	41.00	13.80	27.20	66.35%	See note 1.
D	Services	369	40.00	20.76	19.24	48.09%	See note 1.
D	Meters	370	34.00	7.54	26.46	77.82%	See note 1.
D	Install on Customer Premises	371	23.00	15.39	7.61	31.61%	See note 1.

**Ohio Edison Company  
Rule 26 Report for 2020**

**9. 4901:1-10-26(B)(3)(e) Average Remaining Depreciation Life of Distribution and Transmission Facilities**

<b>Transmission or Distribution</b>	<b>Asset Type</b>	<b>FERC Account/ Subaccount</b>	<b>Total Depreciable Life of Asset</b>	<b>Total Depreciated Life of Asset</b>	<b>Total Remaining Life of Asset</b>	<b>Percent of Remaining Life of Asset</b>	<b>How Age Was Determined</b>
D	Street Lighting	373.1	25.00	0.00	N/A	N/A	See note 1.
D	ESIP	373.2	25.00	13.68	11.32	45.29%	See note 1.
D	Station Equipment	373.7	25.00	0.00	N/A	N/A	See note 1.

**Notes:**

1. Depreciable life was approved by the Commission. Average depreciation life is based on the average service life of the assets recorded in each FERC account.

**Ohio Edison Company  
Rule 26 Report for 2020**

**10. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i) Inspection, Maintenance, Repair, and Replacement of Distribution  
Transmission, and Substation Programs Summary Report**

<b>Asset Type</b>	<b>Program Name</b>	<b>Program Goals</b>	<b>Goals Achieved?</b>
D	Circuit and Line	Inspect 211 circuits (2020).	Y
D	Line Capacitors	Inspect 7,942 capacitor units (2020).	Y
D	Line Reclosers	Inspect 3,570 units (2020).	Y
D	Poles and Towers	Inspect 57,500 distribution poles (2020).	Y
D	Primary and Secondary Enclosures	Inspect 14,500 primary enclosures and 14,000 secondary enclosures (2020).	Y
D	Right-of-way Vegetation Control	Maintain 183 distribution circuits (2020).	Y
DS	Substation Monthly Patrols	Inspect substations 12 times annually (2020).	Y

**Notes:**

**Ohio Edison Company  
Rule 26 Report for 2020**

**10a. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i), (B)(3)(f)(ii) If Response in Column "Goals Achieved?" of Report 10 is "Yes"**

<b>Program Name</b>	<b>Explanation of How Goals Were Achieved</b>	<b>Quantitative Description of Goal Achieved</b>	<b>Summary of Findings</b>
Circuit and Line	Internal Labor	Inspected 212 circuits (2020).	1,714 deficiencies found.
Line Capacitors	Internal Labor	Inspected 7,923 units (2020). 19 were removed from the field.	233 deficiencies found.
Line Reclosers	Internal Labor	Inspected 3,570 units (2020).	41 deficiencies found.
Poles and Towers	Pole Inspection Contractor	Inspected 58,513 poles (2020). 811 poles were not found in the field.	3,582 deficiencies found.
Primary and Secondary Enclosures	Internal Labor	Inspected 14,960 primary enclosures and 14,252 secondary enclosures (2020).	2,951 deficiencies found.
Right-of-way Vegetation Control	Contractor	Maintained 281 circuits (4,942 miles) (2020).	No deficiencies found.
Substation Monthly Patrols	Internal Labor	Inspected substations 12 times annually (2020).	320 deficiencies found.

**Notes:**



**Ohio Edison Company  
Rule 26 Report for 2020**

**10b. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i), (B)(3)(f)(ii) If Response in Column "Goals Achieved?" of Report 10 is "No"**

<b>Program Name</b>	<b>Explanation of How Goals Were Achieved</b>	<b>Quantitative Description of Goal Achieved</b>	<b>Summary of Findings</b>
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**Notes:**

# Ohio Edison Company Rule 26 Report for 2020

## 10c. 4901:1-10-26(B)(3)(f), (B)(3)(f)(iii) Remedial Activity

Program Name	Program Finding(s) Resulting in Remedial Action	Remedial Activity Performed	Completion Date	Remedial Activity Yet to be Performed	Estimated Completion Date
Circuit and Line (2018)	3,522 deficiencies found in 2018.	3,521 deficiencies fixed as stated in previous reports. 1 deficiency fixed in 2020.	6/5/2020	0 deficiencies remain to be fixed from 2018.	
Circuit and Line (2019)	2,523 deficiencies found in 2019.	1,554 deficiencies fixed as stated in previous reports. 969 deficiencies fixed in 2020.	6/18/2020	0 deficiencies remain to be fixed from 2019.	
Circuit and Line (2020)	1,714 deficiencies found in 2020.	653 deficiencies fixed in 2020.		1061 deficiencies remain to be fixed from 2020.	12/31/2021
Line Capacitors (2020)	233 deficiencies found in 2020.	233 deficiencies fixed in 2020.	5/31/2020	0 deficiencies remain to be fixed from 2020.	
Line Reclosers (2019)	48 deficiencies found in 2019.	21 deficiencies fixed in 2019. 27 deficiencies fixed in 2020.	4/3/2020	0 deficiencies remain to be fixed from 2019.	
Line Reclosers (2020)	41 deficiencies found in 2020.	21 deficiencies fixed in 2020.		20 deficiencies remain to be fixed from 2020.	12/31/2021
Poles and Towers (2015)	3,410 deficiencies found in 2015.	2,579 deficiencies fixed as stated in previous reports. 801 deficiencies fixed in 2020.		30 deficiencies remain to be fixed from 2015.	3/31/2021
Poles and Towers (2016)	2,493 deficiencies found in 2016.	764 deficiencies fixed as stated in previous reports. 37 deficiencies fixed in 2020		1,692 deficiencies remain to be fixed from 2016.	12/31/2021
Poles and Towers (2017)	3,423 deficiencies found in 2017.	990 deficiencies fixed as stated in prior reports. 13 deficiencies fixed in 2020		2,420 deficiencies remain to be fixed from 2017.	12/31/2022
Poles and Towers (2018)	6,235 deficiencies found in 2018.	740 deficiencies fixed as stated in previous reports. 5 deficiencies fixed in 2020		5,490 deficiencies remain to be fixed from 2018.	12/31/2023
Poles and Towers (2019)	4,838 deficiencies found in 2019.	555 deficiencies fixed in 2019. 5 deficiencies fixed in 2020.		4,278 deficiencies remain to be fixed from 2019.	12/31/2024
Poles and Towers (2020)	3,582 deficiencies found in 2020.	142 deficiencies fixed in 2020.		3,440 deficiencies remain to be fixed from 2020.	12/31/2025

**Ohio Edison Company  
Rule 26 Report for 2020**

**10c. 4901:1-10-26(B)(3)(f), (B)(3)(f)(iii) Remedial Activity**

<b>Program Name</b>	<b>Program Finding(s) Resulting in Remedial Action</b>	<b>Remedial Activity Performed</b>	<b>Completion Date</b>	<b>Remedial Activity Yet to be Performed</b>	<b>Estimated Completion Date</b>
Primary and Secondary Enclosures (2019)	4,316 deficiencies found in 2019.	2,478 deficiencies fixed in 2019. 1,835 deficiencies fixed in 2020		3 deficiencies remain to be fixed from 2019.	2/28/2021
Primary and Secondary Enclosures (2020)	2,951 deficiencies found in 2020.	1,256 deficiencies fixed in 2020.		1,695 deficiencies remain to be fixed from 2020.	12/31/2021
Right-of-Way Vegetation Control (2020)	None	None		None	
Substation Monthly Patrols (2018)	363 deficiencies found in 2018. <sup>1</sup>	362 deficiencies fixed in prior years. 1 deficiencies fixed in 2020.	12/31/2020	0 deficiencies remain to be fixed from 2018.	
Substation Monthly Patrols (2019)	296 deficiencies found in 2019. <sup>1</sup>	250 deficiencies fixed in 2019. 41 deficiencies fixed in 2020.		5 deficiencies remain to be fixed from 2019.	12/31/2021
Substation Monthly Patrols (2020)	320 deficiencies found in 2019. <sup>1</sup>	257 deficiencies fixed in 2020.		63 deficiencies remain to be fixed from 2020.	12/31/2022

**Notes:**

1. Substation deficiencies may be recorded/discovered outside of the monthly patrols.

**Ohio Edison Company  
Rule 26 Report for 2020**

**10d. 4901:1-10-26(B)(3)(f) Current Year Goals**

<b>Asset Type</b>	<b>Program Name</b>	<b>Program Goals</b>
D	Circuit and Line	Inspect 213 circuits (2021).
D	Line Capacitors	Inspect 8,034 capacitor units (2021).
D	Line Reclosers	Inspect 3,749 units (2021).
D	Poles and Towers	Inspect 59,346 distribution poles (2021).
D	Primary and Secondary Enclosures	Inspect 13,957 primary enclosures and 12,651 secondary enclosures (2021).
D	Right-of-Way Vegetation Control	Maintain 171 distribution circuits (2021).
DS	Substation Monthly Patrols	Inspect substations 12 times annually (2021).

**Notes:**

**Ohio Edison Company  
Rule 26 Report for 2020**

**11. 4901:1-10-26(B)(3)(f), (B)(3)(iv) Prevention of Overloading or Excessive Loading of Facilities and Equipment**

<b>Transmission or Distribution</b>	<b>Program Name</b>	<b>Program Goals</b>
D	System Planning	The Ohio Edison Company reviews system, substation and circuit loadings on an ongoing basis throughout the year.

**Notes:**

**Ohio Edison Company  
Rule 26 Report for 2020**

**12. 4901:1-10-26(B)(3)(f), (B)(3)(iv) Actions to Remedy Overloading or Excessive Loading of Facilities and Equipment**

<b>Transmission or Distribution</b>	<b>Sub/Circuit Name</b>	<b>Date Overloading Identified</b>	<b>Plan to Remedy Overloading</b>	<b>Estimated Completion Date</b>	<b>Actions Taken to Remedy Overloading</b>	<b>Actual Completion Date</b>
D	200740024	3/1/2019	Tallmadge - Line improvement for load relief of TR2	6/1/2020		5/28/2020
D	204100012	3/1/2019	Mill - Barton upgrade substation regulators to prevent overload	6/1/2020		6/3/2020
D	201020025	3/1/2019	Commerce - W250 upgrade substation regulators to prevent overload	6/1/2020		4/25/2020
D	200380086	7/1/2019	West Medina - York upgrade conductor to prevent overload	6/1/2020		3/2/2020
D	210110023	3/1/2020	Lakemore Vista - 3 Phase Line Extension	6/1/2021		

**Notes:**

**Ohio Edison Company  
Rule 26 Report for 2020**

**13. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Deleted**

<b>Facility Type</b>	<b>Deleted Program Name</b>
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**Notes:**

1. Ohio Edison Company follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.

**Ohio Edison Company  
Rule 26 Report for 2020**

**14. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Modified**

<b>Facility Type</b>	<b>Modified Program Name</b>
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**Notes:**

1. Ohio Edison Company follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.



**Ohio Edison Company  
Rule 26 Report for 2020**

**15. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Added**

<b>Facility Type</b>	<b>Added Program Name</b>
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**Notes:**

1. Ohio Edison Company follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.

**Ohio Edison Company  
Rule 26 Report for 2020**

**16. 4901:1-10-26(B)(4) Service Interruptions Due to Other Entity**

<b>Date of Interruption</b>	<b>Time of Interruption</b>	<b>Type of Entity Causing Interruption</b>	<b>Name of Entity Causing Interruption</b>	<b>Impact on Transmission or Distribution</b>	<b>Sub/Circuit Interrupted</b>	<b>Cause of Interruption</b>
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**Notes:**

1. The Ohio Edison Company had no service interruptions due to other entities for 2020.

**BEFORE  
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the matter of the Annual Report of the	)	
Electric Service and Safety Standards.	)	Case No: 21-0997-EL-ESS
Pursuant to Rule 4901:1-10-26(B) of the Ohio	)	
Administrative Code	)	

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**ANNUAL REPORT OF  
The Cleveland Electric Illuminating Company  
submitted for the year 2020.**

I certify that the following report accurately and completely reflects the annual report requirements pursuant to Rule 4901:1-10-26 of the Ohio Administrative Code.

Mark A. Jones  
Signature

Mark A. Jones  
Printed Name

Regional President  
Title

3/25/2021  
Date

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**1. 4901:1-10-26(B)(1), (B)(1)(b), (B)(1)(c) Future Investment Plan for Facilities and Equipment, covering period of no less than three years**

Identification of project, program, or plan	Transmission or Distribution	Project Description and Goals	Portion of Service Territory Affected	Characteristics of Territory Affected	Estimated Cost	Initiation Date	Planned Completion Date
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**Notes:**

1. Based on Rule 4901:1-10-26(B)(1)(b), this section is looking for only those projects for which the timeline is no less than three years. Specifically, it documents projects that began in calendar year 2020 and are not expected to be completed in less than three years from their start date. The Cleveland Electric Illuminating Company has no projects that meet that criteria at this time.

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**1a. 4901:1-10-26(B)(1), (B)(1)(a) Relevant Characteristics of the Service Territory**

<b>Transmission or Distribution</b>	<b>Overhead Miles</b>	<b>Underground Miles</b>	<b>Notable Characteristics</b>
D <sup>1</sup>	7,309	4,922	
T <sup>2</sup>	1,055	920	

**Notes:**

1. Mileage reflects primary circuit miles owned by The Cleveland Electric Illuminating Company.
2. Mileage reflects transmission miles owned by The Cleveland Electric Illuminating Company.
3. See Table 1a of the 2020 Rule 26 report for American Transmission Systems, Inc. ("ATSI") transmission miles.

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**1b. 4901:1-10-26(B)(1) Future Investment Plan for Facilities and Equipment**

<b>Transmission or Distribution</b>	<b>2020 Planned Costs</b>	<b>2020 Actual Costs</b>	<b>2021 Planned Costs</b>	<b>2022 Planned Costs</b>	<b>2023 Planned Costs</b>	<b>2024 Planned Costs</b>
D	\$209,206,903	\$194,494,111	\$213,128,910	\$197,291,912	\$152,573,735	\$158,352,602
T	\$11,010,889	\$10,236,532	\$11,217,311	\$10,383,785	\$8,030,197	\$8,334,347

**Notes:**

1. 2021 - 2024 Planned Costs are estimates.
2. All budgets are subject to change.

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**2. 4901:1-10-26(B)(1)(d), (B)(1)(f) Complaints from Other Entities**

<b>Entity making complaint</b>	<b>Date complaint received</b>	<b>Nature of complaint</b>	<b>Actions taken to address complaint</b>	<b>Resolved (yes/no)</b>	<b>Date complaint resolved</b>	<b>If not resolved, why?</b>
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**Notes:**

1. The Cleveland Electric Illuminating Company is not aware of any formal complaints from other entities for 2020.

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**3a. 4901:1-10-26(B)(1)(e), (B)(1)(f) Electric Reliability Organization Standards Violations**

<b>Standard Number</b>	<b>Standard Name</b>	<b>Date of Violation</b>	<b>Risk Factor</b>	<b>Severity Factor</b>	<b>Penalty Dollars</b>	<b>Violation Description</b>	<b>Resolved (yes/no)</b>	<b>Date Resolved</b>	<b>Of not resolved why?</b>
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**Notes:**

1. None, but see also Table 3a of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").



**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**3b. 4901:1-10-26(B)(1)(e), (B)(1)(f) Regional Transmission Organization (RTO) Violations**

<b>Name of RTO Violation</b>	<b>Violation Description</b>	<b>Resolved (yes/no)</b>	<b>Date Resolved</b>	<b>Of not resolved why?</b>
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**Notes:**

1. None, but see also Table 3b of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**3c. 4901:1-10-26(B)(1)(e) Transmission Load Relief (TLR) Events**

<b>Event Start</b>	<b>Event End</b>	<b>Highest TLR During Event</b>	<b>Firm Load Interrupted During Event</b>	<b>Amount of Load (MW) Interrupted</b>	<b>Description of Event</b>
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**Notes:**

1. None, but see also Table 3c of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**3d. 4901:1-10-26(B)(1)(e) Top Ten Congestion Facilities by Hours of Congestion**

<b>Rank</b>	<b>Description of Facility Causing Congestion</b>
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**Notes:**

1. None, but see also Table 3d of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**3e. 4901:1-10-26(B)(1)(e) Annual System Improvement Plan and Regional Transmission Operator Expansion Plan**

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**Relationship Between Annual System Improvement Plan and RTO Transmission Expansion Plan**

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**Notes:**

1. None, but see also Table 3e of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**4. 4901:1-10-26(B)(4) Report of Implementation Plans from Previous Reporting Periods**

<b>Identification of Project, Program, or Plan</b>	<b>Transmission or Distribution</b>	<b>Planned Completion Date</b>	<b>Actual Completion Date</b>	<b>Identification of Deviation from Previous Plan</b>	<b>Reason for Deviation from Previous Plan</b>
CEI2019-1 Ohio Grid Modernization	Distribution	8/31/2022		No Changes	

**Notes:**

1. Includes complete, on track, and/or modified projects.

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**5. 4901:1-10-26(B)(3), (B)(3)(a) Characteristics of Condition of Company's System**

<b>Transmission or Distribution</b>	<b>Qualitative Characterization of Condition of System</b>	<b>Explanation of Criteria Used in Making Assessment for Each Characterization</b>
T	The Cleveland Electric Illuminating Company system provides safe and reliable service.	Daily assessment and review of transmission breaker operations. System maintenance as described in the OAC Rule 4901:1-10-27 and 24x7 response for outage and trouble.
D	The Cleveland Electric Illuminating Company system provides safe and reliable service.	Daily assessment and review of service level metrics (SAIFI and CAIDI). System maintenance as described in the OAC Rule 4901:1-10-26 and 24x7 response for outage and trouble.

**Notes:**

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**6. 4901:1-10-26(B)(3), (B)(3)(b) Safety and Reliability Complaints**

<b>Transmission or Distribution</b>	<b>Availability of Service</b>	<b>Damage</b>	<b>Momentary Interruption</b>	<b>Out of Service</b>	<b>Quality of Service</b>	<b>Repair Service</b>	<b>Public Safety</b>	<b>Total Complaints</b>
D	457	0	0	0	378	0	0	835

**Notes:**

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**7a. 4901:1-10-26(B)(3)(c), (B)(3)(c)(i) Transmission Capital Expenditures**

<b>Total transmission capital expenditures in 2020</b>	<b>\$10,236,532</b>
<b>Total transmission investment as of year end</b>	<b>\$449,068,203</b>
<b>Transmission capital expenditure as % of total transmission investment</b>	<b>2.3%</b>

**Notes:**

Budgets are subject to change.

**7b. 4901:1-10-26(B)(3)(c), (B)(3)(c)(i) Transmission Maintenance Expenditures**

<b>Total transmission maintenance expenditures in 2020</b>	<b>\$422,390</b>
<b>Total transmission investment as of year end</b>	<b>\$449,068,203</b>
<b>Transmission maintenance expenditure as % of total transmission investment</b>	<b>0.1%</b>

**Notes:**

1. Budgets are subject to change.



**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**7c. 4901:1-10-26(B)(3), (B)(3)(c)(ii), (B)(3)(c)(iii) Transmission Capital Expenditures - Reliability Specific**

<b>Transmission Capital Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Condition	\$19,468	\$752,762	Over 100%	Over budget due to greater replacement of condition program costs than budgeted.	\$761,223
Forced	\$401,641	\$402,045	0%	Insignificant Variance	\$0
Miscellaneous	\$0	\$292,653	Over 100%	Over budget due to unbudgeted transmission replacements from a corrective maintenance program.	\$0
System Reinforcement	\$0	\$17,539	Over 100%	Over budget due to engineering costs of an installed 345kV line to prevent system voltage collapse from retired generators.	\$0
Vegetation Management	\$739,668	\$528,867	-28%	Under budget due to lower planned and unplanned vegetation trimming costs than budgeted.	\$653,805

**Notes:**

1. Budgets are subject to change.

**The Cleveland Electric Illuminating Company**  
**Rule 26 Report for 2020**

**7d. 4901:1-10-26(B)(3), (B)(3)(c)(ii), (B)(3)(c)(iii) Transmission Maintenance Expenditures - Reliability Specific**

<b>Transmission Maintenance Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Corrective Maintenance	\$610	\$35,203	Over 100%	Over budget due to more corrective maintenance costs than in the budget.	\$0
Forced	\$0	\$60,425	Over 100%	Over budget due to unbudgeted regulatory required O&M costs than budgeted.	\$0
Condition	\$0	-\$6,650	Over 100%	Under budget due to true up of prior period costs.	\$0
Vegetation Management	\$300,000	\$334,583	12%	Over budget due to higher planned vegetation costs than budgeted.	\$230,000

**Notes:**

1. Budgets are subject to change.

**The Cleveland Electric Illuminating Company**  
**Rule 26 Report for 2020**

**8a. 4901:1-10-26(B)(3)(d), (B)(3)(d)(i) Distribution Capital Expenditures**

<b>Total distribution capital expenditures in 2020</b>	<b>\$194,494,111</b>
<b>Total distribution investment as of year end</b>	<b>\$2,489,580,194</b>
<b>Distribution capital expenditure as % of total distribution investment</b>	<b>7.8%</b>

**Notes:**

Budgets are subject to change.

**8b. 4901:1-10-26(B)(3)(d), (B)(3)(d)(i) Distribution Maintenance Expenditures**

<b>Total distribution maintenance expenditures in 2020</b>	<b>\$42,143,468</b>
<b>Total distribution investment as of year end</b>	<b>\$2,489,580,194</b>
<b>Distribution maintenance expenditure as % of total distribution investment</b>	<b>1.7%</b>

**Notes:**

1. Budgets are subject to change.

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**8c. 4901:1-10-26(B)(3), (B)(3)(d)(ii), (B)(3)(d)(iii) Distribution Capital Expenditures - Reliability Specific**

<b>Distribution Capital Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Condition	\$71,079,561	\$45,919,152	-35%	Under budget due to lower condition program replacement costs than budgeted.	\$54,469,919
Forced	\$77,520,793	\$52,866,221	-32%	Under budget due to lower substation and line equipment failure work and major storm restoration than budgeted.	\$74,191,256
Miscellaneous	\$8,941,777	\$5,632,802	-37%	Under budget due to lower streetlight and meter replacement costs than budgeted.	\$9,202,601
System Reinforcement	\$902,113	\$1,541,368	71%	Over budget due to higher new load / development work than budgeted.	\$926,820
Vegetation Management	\$9,555,317	\$9,870,115	3%	Minor Variance	\$9,527,959

**Notes:**

1. Budgets are subject to change.

**The Cleveland Electric Illuminating Company**  
**Rule 26 Report for 2020**

**8d. 4901:1-10-26(B)(3), (B)(3)(d)(ii), (B)(3)(d)(iii) Distribution Maintenance Expenditures - Reliability Specific**

<b>Distribution Maintenance Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Corrective Maintenance	\$1,901,710	\$6,715,015	Over 100%	Over budget due to substation and overhead line maintenance repairs being more than budgeted.	\$1,901,710
Forced	\$10,792,404	\$5,132,911	-52%	Under budget due to equipment failures and storm restoration expense being less than budgeted.	\$10,792,404
Miscellaneous	\$3,571,654	\$4,050,542	13%	Over budget due to streetlight repair costs being more than budgeted.	\$3,571,654
Operations	\$1,380,827	\$1,652,704	20%	Over budget due to substation and line shop operations maintenance costs more than planned.	\$1,380,827
Preventative Maintenance	\$2,025,218	\$323,656	-84%	Under budget due to substation equipment maintenance costs less than planned.	\$2,025,218
Condition	\$17,630,353	\$16,470,288	-7%	Minor Variance	\$9,555,634
Vegetation Management	\$5,635,160	\$6,294,017	12%	Over budget due to planned and unplanned forestry trimming costs more than planned.	\$5,635,160

**Notes:**

1. Budgets are subject to change.

**The Cleveland Electric Illuminating Company**  
**Rule 26 Report for 2020**

**9. 4901:1-10-26(B)(3)(e) Average Remaining Depreciation Life of Distribution and Transmission Facilities**

<b>Transmission or Distribution</b>	<b>Asset Type</b>	<b>FERC Account/ Subaccount</b>	<b>Total Depreciable Life of Asset</b>	<b>Total Depreciated Life of Asset</b>	<b>Total Remaining Life of Asset</b>	<b>Percent of Remaining Life of Asset</b>	<b>How Age Was Determined</b>
T	Structures / Improvements	352.1	50.00	34.99	15.01	30.02%	See note 1.
T	Clearing, Grading of Land	352.2	50.00	27.24	22.76	45.52%	See note 1.
T	Station Equipment	353	50.00	24.39	25.61	51.23%	See note 1.
T	Towers & Fixtures	354	65.00	65.00	0.00	0.00%	See note 1.
T	Poles & Fixtures	355	50.00	27.44	22.56	45.12%	See note 1.
T	Overhead Conductors	356.1	50.00	19.10	30.90	61.81%	See note 1.
T	Clearing, Grading of Land	356.2	50.00	4.85	45.15	90.30%	See note 1.
T	Underground Conduit	357	60.00	49.79	10.21	17.02%	See note 1.
T	Underground Conductor	358	50.00	22.90	27.10	54.21%	See note 1.
D	Structures / Improvements	361.1	50.00	29.89	20.11	40.23%	See note 1.
D	Clearing, Grading of Land	361.2	50.00	14.17	35.83	71.66%	See note 1.
D	Station Equipment	362	50.00	18.40	31.60	63.21%	See note 1.
D	Poles & Towers	364	43.00	14.14	28.86	67.12%	See note 1.
D	Overhead Conductor	365	45.00	12.09	32.91	73.14%	See note 1.
D	Underground Conduit	366	60.00	29.47	30.53	50.89%	See note 1.
D	Underground Conductor	367	45.00	10.90	34.10	75.79%	See note 1.
D	Line Transformers	368	43.00	13.68	29.32	68.19%	See note 1.
D	Services	369	30.00	4.88	25.12	83.75%	See note 1.
D	Meters	370	38.00	8.43	29.57	77.83%	See note 1.
D	Install on Customer Premises	371	40.00	12.65	27.35	68.37%	See note 1.

**The Cleveland Electric Illuminating Company**  
**Rule 26 Report for 2020**

**9. 4901:1-10-26(B)(3)(e) Average Remaining Depreciation Life of Distribution and Transmission Facilities**

<b>Transmission or Distribution</b>	<b>Asset Type</b>	<b>FERC Account/ Subaccount</b>	<b>Total Depreciable Life of Asset</b>	<b>Total Depreciated Life of Asset</b>	<b>Total Remaining Life of Asset</b>	<b>Percent of Remaining Life of Asset</b>	<b>How Age Was Determined</b>
D	Street Lighting	373.1	27.00	14.02	12.98	48.06%	See note 1.

**Notes:**

1. Depreciable life was approved by the Commission. Average depreciation life is based on the average service life of the assets recorded in each FERC account.

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**10. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i) Inspection, Maintenance, Repair, and Replacement of Distribution  
Transmission, and Substation Programs Summary Report**

<b>Asset Type</b>	<b>Program Name</b>	<b>Program Goals</b>	<b>Goals Achieved?</b>
D	Circuit and Line	Inspect 240 circuits (2020).	Y
D	Line Capacitors	Inspect 6,900 units (2020).	Y
D	Line Reclosers	Inspect 1,489 units (2020).	Y
D	Poles and Towers	Inspect 37,460 distribution poles (2020).	N
D	Primary Enclosures and Secondary Enclosures	Inspect 9,108 primary enclosures (2020) and 6,368 secondary enclosures (2020).	Y
D	Right-of-way Vegetation Control	Maintain 299 distribution circuits (2020).	Y
DS	Substation Monthly Patrols	Inspect substations 12 times annually (2020).	Y

**Notes:**



**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**10a. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i), (B)(3)(f)(ii) If Response in Column "Goals Achieved?" of Report 10 is "Yes"**

<b>Program Name</b>	<b>Explanation of How Goals Were Achieved</b>	<b>Quantitative Description of Goal Achieved</b>	<b>Summary of Findings</b>
Circuit and Line	Internal Labor	Inspect 240 circuits (2020).	2,238 deficiencies found.
Line Capacitors	Internal Labor	Inspect 6,900 units (2020).	316 deficiencies found.
Line Reclosers	Internal Labor	Inspect 1,489 units (2020).	16 deficiencies found.
Primary and Secondary Enclosures	Internal Labor	Inspect 9,108 primary enclosures (2020) and 6,368 secondary enclosures (2020).	2,054 deficiencies found.
Right-of-way Vegetation Control	Contractor	Maintained 299 circuits (1,818 miles) (2020).	No deficiencies found.
Substation Monthly Patrols	Internal Labor	Inspect substations 12 times annually (2020).	73 deficiencies found.

**Notes:**

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**10b. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i), (B)(3)(f)(ii) If Response in Column "Goals Achieved?" of Report 10 is "No"**

<b>Program Name</b>	<b>Explanation of How Goals Were Achieved</b>	<b>Quantitative Description of Goal Achieved</b>	<b>Summary of Findings</b>
Poles Inspections	Contractor	Inspected 36,806 poles (2020). 288 poles were not found in the field.	CEI was unable to complete all the poles inspections for 2020 primarily due to railroad permit issues.

**Notes:**

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**10c. 4901:1-10-26(B)(3)(f), (B)(3)(f)(iii) Remedial Activity**

<b>Program Name</b>	<b>Program Finding(s) Resulting in Remedial Action</b>	<b>Remedial Activity Performed</b>	<b>Completion Date</b>	<b>Remedial Activity Yet to be Performed</b>	<b>Estimated Completion Date</b>
Line Capacitors (2020)	316 deficiencies found in 2020.	316 deficiencies fixed in 2020.	5/26/2020	0 deficiencies remain to be fixed from 2020.	
Line Reclosers (2020)	16 deficiencies found in 2020.	16 deficiencies fixed in 2020.	11/30/2020	0 deficiencies remain to be fixed from 2020.	
Circuit and Line (2019)	1,918 deficiencies found in 2019.	660 deficiencies fixed in 2019. 1,258 deficiencies fixed in 2020	12/21/2020	0 deficiencies remain to be fixed from 2019.	
Circuit and Line (2020)	2,238 deficiencies found in 2020.	660 deficiencies fixed in 2020.		1,578 deficiencies remain to be fixed from 2020.	12/31/2021
Primary and Secondary Enclosures (2019)	5,978 deficiencies found in 2019.	5,811 deficiencies fixed in 2019. 167 deficiencies fixed in 2020.	9/15/2020	0 deficiencies remain to be fixed from 2019.	
Primary and Secondary Enclosures (2020)	2,054 deficiencies found in 2020.	1,653 deficiencies fixed in 2020.		401 deficiencies remain to be fixed from 2020.	12/31/2021
Poles and Towers (2014)	2,804 deficiencies found in 2014.	2,803 deficiencies fixed as stated in previous reports. 1 deficiencies fixed in 2020.	2/28/2020	0 deficiencies remain to be fixed from 2014.	
Poles and Towers (2015)	3,474 deficiencies found in 2015.	3,391 deficiencies fixed as stated in previous reports. 83 deficiencies fixed in 2020.	12/17/2020	0 deficiencies remain to be fixed from 2015.	
Poles and Towers (2016)	3,023 deficiencies found in 2016.	2,560 deficiencies fixed as state in previous reports. 196 deficiencies fixed in 2020.		267 deficiencies remain to be fixed from 2016.	12/31/2021
Poles and Towers (2017)	4,070 deficiencies found in 2017.	1,699 deficiencies fixed as stated in previous reports. 1,577 deficiencies fixed in 2020.		794 deficiencies remain to be fixed from 2017.	12/31/2022
Poles and Towers (2018)	4,791 deficiencies found in 2018.	1,202 deficiencies fixed as stated in previous reports. 744 deficiencies fixed in 2020.		2,845 deficiencies remain to be fixed from 2018.	12/31/2023
Poles and Towers (2019)	3,608 deficiencies found in 2019.	706 deficiencies fixed in 2019. 76 deficiencies fixed in 2020.		2,826 deficiencies remain to be fixed from 2019.	12/31/2024

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**10c. 4901:1-10-26(B)(3)(f), (B)(3)(f)(iii) Remedial Activity**

<b>Program Name</b>	<b>Program Finding(s) Resulting in Remedial Action</b>	<b>Remedial Activity Performed</b>	<b>Completion Date</b>	<b>Remedial Activity Yet to be Performed</b>	<b>Estimated Completion Date</b>
Poles and Towers (2020)	5,583 deficiencies found in 2020.	796 deficiencies fixed in 2020.		4,787 deficiencies remain to be fixed from 2020.	12/31/2025
Right-of-Way Vegetation Control (2020)	None	None		None	
Substation Monthly Patrols (2019)	135 deficiencies found in 2019. <sup>1</sup>	127 deficiencies fixed in 2019. 8 deficiencies fixed in 2020.	12/31/2020	0 deficiencies remain to be fixed from 2019.	
Substation Monthly Patrols (2020)	73 deficiencies found in 2019. <sup>1</sup>	70 deficiencies fixed in 2020.		3 deficiencies remain to be fixed from 2020.	12/31/2021

**Notes:**

1. Substation deficiencies may be recorded/discovered outside of the monthly patrols.

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**10d. 4901:1-10-26(B)(3)(f) Current Year Goals**

<b>Asset Type</b>	<b>Program Name</b>	<b>Program Goals</b>
D	Circuit and Line	Inspect 233 circuits (2021).
D	Line Capacitors	Inspect 6,876 units (2021).
D	Line Reclosers	Inspect 1,635 units (2021).
D	Poles and Towers	Inspect 37,418 distribution poles (2021).
D	Primary and Secondary Enclosures	Inspect 7,735 primary enclosures (2021) and 5,325 secondary enclosures (2021).
D	Right-of-Way Vegetation Control	Maintain 256 distribution circuits (2021).
DS	Substation Monthly Patrols	Inspect substations 12 times annually (2021).

**Notes:**

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**11. 4901:1-10-26(B)(3)(f), (B)(3)(iv) Prevention of Overloading or Excessive Loading of Facilities and Equipment**

<b>Transmission or Distribution</b>	<b>Program Name</b>	<b>Program Goals</b>
D	System Planning	CEI reviews system, substation and circuit loadings on an ongoing basis throughout the year.

**Notes:**

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**12. 4901:1-10-26(B)(3)(f), (B)(3)(iv) Actions to Remedy Overloading or Excessive Loading of Facilities and Equipment**

<b>Transmission or Distribution</b>	<b>Sub/Circuit Name</b>	<b>Date Overloading Identified</b>	<b>Plan to Remedy Overloading</b>	<b>Estimated Completion Date</b>	<b>Actions Taken to Remedy Overloading</b>	<b>Actual Completion Date</b>
D	401390011	8/20/2019	Reconductor part of 401390011	8/31/2020	Reconductored part of 401390011 put in service	9/11/2020
D	400310006	11/21/2019	Transfer load to 400310003	4/15/2020	Completed load transfer to 400310003	4/11/2020

**Notes:**

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**13. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Deleted**

<b>Facility Type</b>	<b>Deleted Program Name</b>
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**Notes:**

1. The Cleveland Electric Illuminating Company follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.



**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**14. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Modified**

<b>Facility Type</b>	<b>Modified Program Name</b>
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**Notes:**

1. The Cleveland Electric Illuminating Company follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**15. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Added**

<b>Facility Type</b>	<b>Added Program Name</b>
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**Notes:**

1. The Cleveland Electric Illuminating Company follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.

**The Cleveland Electric Illuminating Company  
Rule 26 Report for 2020**

**16. 4901:1-10-26(B)(4) Service Interruptions Due to Other Entity**

<b>Date of Interruption</b>	<b>Time of Interruption</b>	<b>Type of Entity Causing Interruption</b>	<b>Name of Entity Causing Interruption</b>	<b>Impact on Transmission or Distribution</b>	<b>Sub/Circuit Interrupted</b>	<b>Cause of Interruption</b>
2/5/2020	22:55	Electric Distribution Company	Cleveland Public Power	D	402340004	Other Electric Utility
9/25/2020	12:34	Electric Distribution Company	Cleveland Public Power	D	401060015	Other Electric Utility

**Notes:**

**BEFORE  
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the matter of the Annual Report of the	)	
Electric Service and Safety Standards.	)	Case No: 21-0997-EL-ESS
Pursuant to Rule 4901:1-10-26(B) of the Ohio	)	
Administrative Code	)	

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**ANNUAL REPORT OF**  
The Toledo Edison Company  
submitted for the year 2020.

I certify that the following report accurately and completely reflects the annual report requirements pursuant to Rule 4901:1-10-26 of the Ohio Administrative Code.



\_\_\_\_\_  
Signature

\_\_\_\_\_  
Richard Sweeney

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Regional President

\_\_\_\_\_  
Title

\_\_\_\_\_  
3/25/2021

\_\_\_\_\_  
Date

**The Toledo Edison Company  
Rule 26 Report for 2020**

**1. 4901:1-10-26(B)(1), (B)(1)(b), (B)(1)(c) Future Investment Plan for Facilities and Equipment, covering period of no less than three years**

Identification of project, program, or plan	Transmission or Distribution	Project Description and Goals	Portion of Service Territory Affected	Characteristics of Territory Affected	Estimated Cost	Initiation Date	Planned Completion Date
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**Notes:**

1. Based on Rule 4901:1-10-26(B)(1)(b), this section is looking for only those projects for which the timeline is no less than three years. Specifically, it documents projects that began in calendar year 2020 and are not expected to be completed in less than three years from their start date. The Toledo Edison Company has no projects that meet that criteria at this time.

**The Toledo Edison Company  
Rule 26 Report for 2020**

**1a. 4901:1-10-26(B)(1), (B)(1)(a) Relevant Characteristics of the Service Territory**

<b>Transmission or Distribution</b>	<b>Overhead Miles</b>	<b>Underground Miles</b>	<b>Notable Characteristics</b>
D <sup>1</sup>	5,838	1,414	
T <sup>2</sup>	73	0	

**Notes:**

1. Mileage reflects primary circuit miles owned by The Toledo Edison Company.
2. Mileage reflects transmission circuit miles owned by The Toledo Edison Company.
3. See Table 1a of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI") transmission miles.

**The Toledo Edison Company**  
**Rule 26 Report for 2020**

**1b. 4901:1-10-26(B)(1) Future Investment Plan for Facilities and Equipment**

<b>Transmission or Distribution</b>	<b>2020 Planned Costs</b>	<b>2020 Actual Costs</b>	<b>2021 Planned Costs</b>	<b>2022 Planned Costs</b>	<b>2023 Planned Costs</b>	<b>2024 Planned Costs</b>
D	\$81,432,803	\$74,410,812	\$82,641,563	\$71,083,924	\$56,038,491	\$56,961,451
T	\$822,553	\$751,624	\$834,763	\$718,019	\$566,045	\$575,368

**Notes:**

1. 2021 - 2024 Planned Costs are estimates.
2. All budgets are subject to change.

**The Toledo Edison Company  
Rule 26 Report for 2020**

**2. 4901:1-10-26(B)(1)(d), (B)(1)(f) Complaints from Other Entities**

<b>Entity making complaint</b>	<b>Date complaint received</b>	<b>Nature of complaint</b>	<b>Actions taken to address complaint</b>	<b>Resolved (yes/no)</b>	<b>Date complaint resolved</b>	<b>If not resolved, why?</b>
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**Notes:**

1. The Toledo Edison Company is not aware of any formal complaints from other entities for 2020.



**The Toledo Edison Company  
Rule 26 Report for 2020**

**3a. 4901:1-10-26(B)(1)(e), (B)(1)(f) Electric Reliability Organization Standards Violations**

<b>Standard Number</b>	<b>Standard Name</b>	<b>Date of Violation</b>	<b>Risk Factor</b>	<b>Severity Factor</b>	<b>Penalty Dollars</b>	<b>Violation Description</b>	<b>Resolved (yes/no)</b>	<b>Date Resolved</b>	<b>Of not resolved why?</b>
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**Notes:**

1. None, but see also Table 3a of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**The Toledo Edison Company  
Rule 26 Report for 2020**

**3b. 4901:1-10-26(B)(1)(e), (B)(1)(f) Regional Transmission Organization (RTO) Violations**

<b>Name of RTO Violation</b>	<b>Violation Description</b>	<b>Resolved (yes/no)</b>	<b>Date Resolved</b>	<b>Of not resolved why?</b>
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**Notes:**

1. None, but see also Table 3b of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**The Toledo Edison Company  
Rule 26 Report for 2020**

**3c. 4901:1-10-26(B)(1)(e) Transmission Load Relief (TLR) Events**

<b>Event Start</b>	<b>Event End</b>	<b>Highest TLR During Event</b>	<b>Firm Load Interrupted During Event</b>	<b>Amount of Load (MW) Interrupted</b>	<b>Description of Event</b>
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**Notes:**

1. None, but see also Table 3c of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**The Toledo Edison Company  
Rule 26 Report for 2020**

**3d. 4901:1-10-26(B)(1)(e) Top Ten Congestion Facilities by Hours of Congestion**

<b>Rank</b>	<b>Description of Facility Causing Congestion</b>
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**Notes:**

1. None, but see also Table 3d of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**The Toledo Edison Company  
Rule 26 Report for 2020**

**3e. 4901:1-10-26(B)(1)(e) Annual System Improvement Plan and Regional Transmission Operator Expansion Plan**

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**Relationship Between Annual System Improvement Plan and RTO Transmission Expansion Plan**

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**Notes:**

1. None, but see also Table 3e of the 2020 Rule 26 report for the American Transmission Systems, Inc. ("ATSI").

**The Toledo Edison Company**  
**Rule 26 Report for 2020**

**4. 4901:1-10-26(B)(4) Report of Implementation Plans from Previous Reporting Periods**

<b>Identification of Project, Program, or Plan</b>	<b>Transmission or Distribution</b>	<b>Planned Completion Date</b>	<b>Actual Completion Date</b>	<b>Identification of Deviation from Previous Plan</b>	<b>Reason for Deviation from Previous Plan</b>
TE2019-1 Ohio Grid Modernization	Distribution	8/31/2022		No Changes	

**Notes:**

1. Includes complete, on track, and/or modified projects.

**The Toledo Edison Company  
Rule 26 Report for 2020**

**5. 4901:1-10-26(B)(3), (B)(3)(a) Characteristics of Condition of Company's System**

<b>Transmission or Distribution</b>	<b>Qualitative Characterization of Condition of System</b>	<b>Explanation of Criteria Used in Making Assessment for Each Characterization</b>
T	The Toledo Edison Company system provides safe and reliable service.	Daily assessment and review of transmission breaker operations. System maintenance as described in the OAC Rule 4901:1-10-27 and 24x7 response for outage and trouble.
D	The Toledo Edison Company system provides safe and reliable service.	Daily assessment and review of service level metrics (SAIFI and CAIDI). System maintenance as described in the OAC Rule 4901:1-10-26 and 24x7 response for outage and trouble.

**Notes:**

**The Toledo Edison Company  
Rule 26 Report for 2020**

**6. 4901:1-10-26(B)(3), (B)(3)(b) Safety and Reliability Complaints**

<b>Transmission or Distribution</b>	<b>Availability of Service</b>	<b>Damage</b>	<b>Momentary Interruption</b>	<b>Out of Service</b>	<b>Quality of Service</b>	<b>Repair Service</b>	<b>Public Safety</b>	<b>Total Complaints</b>
D	49	0	0	0	41	0	0	90

**Notes:**



**The Toledo Edison Company**  
**Rule 26 Report for 2020**

**7a. 4901:1-10-26(B)(3)(c), (B)(3)(c)(i) Transmission Capital Expenditures**

<b>Total transmission capital expenditures in 2020</b>	<b>\$751,624</b>
<b>Total transmission investment as of year end</b>	<b>\$23,231,391</b>
<b>Transmission capital expenditure as % of total transmission investment</b>	<b>3.2%</b>

**Notes:**

Budgets are subject to change.

**7b. 4901:1-10-26(B)(3)(c), (B)(3)(c)(i) Transmission Maintenance Expenditures**

<b>Total transmission maintenance expenditures in 2020<sup>2</sup></b>	<b>-\$11,512</b>
<b>Total transmission investment as of year end</b>	<b>\$23,231,391</b>
<b>Transmission maintenance expenditure as % of total transmission investment</b>	<b>0.0%</b>

**Notes:**

1. Budgets are subject to change.
2. Credit due to adjustment on a substation reconfiguration.

**The Toledo Edison Company**  
**Rule 26 Report for 2020**

**7c. 4901:1-10-26(B)(3), (B)(3)(c)(ii), (B)(3)(c)(iii) Transmission Capital Expenditures - Reliability Specific**

<b>Transmission Capital Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Condition	\$0	\$1,326	Over 100%	Over budget due to unbudgeted line condition work	\$0
Forced	\$0	\$2,054	Over 100%	Over budget due to unbudgeted line failure work	\$0
Miscellaneous	\$64,553	\$0	-100%	Under budget due to lower transmission replacements resulting from corrective maintenance program.	\$64,944
System Reinforcement	\$0	\$280	Over 100%	Over budget due to unbudgeted equipment replacement project work	\$0
Vegetation Management	\$0	\$0	0%	No Variance	\$0

**Notes:**

1. Budgets are subject to change.

**The Toledo Edison Company**  
**Rule 26 Report for 2020**

**7d. 4901:1-10-26(B)(3), (B)(3)(c)(ii), (B)(3)(c)(iii) Transmission Maintenance Expenditures - Reliability Specific**

<b>Transmission Maintenance Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Corrective Maintenance	\$48,435	\$17,559	-64%	Under budget due to lower than anticipated corrective maintenance work	\$49,860
Forced	\$10,447	\$321	-97%	Under budget due to lower than anticipated line failure work	\$12,193
Miscellaneous	\$0	\$0	0%	No Variance	\$0
Operations	\$0	\$0	0%	No Variance	\$0
Condition	\$0	\$0	0%	No Variance	\$0
Vegetation Management	\$917	\$0	-100%	Under budget due to lower than anticipated vegetation management work	\$917

**Notes:**

1. Budgets are subject to change.

**The Toledo Edison Company  
Rule 26 Report for 2020**

**8a. 4901:1-10-26(B)(3)(d), (B)(3)(d)(i) Distribution Capital Expenditures**

<b>Total distribution capital expenditures in 2020</b>	<b>\$74,410,812</b>
<b>Total distribution investment as of year end</b>	<b>\$1,053,827,502</b>
<b>Distribution capital expenditure as % of total distribution investment</b>	<b>7.1%</b>

**Notes:**

Budgets are subject to change.

**8b. 4901:1-10-26(B)(3)(d), (B)(3)(d)(i) Distribution Maintenance Expenditures**

<b>Total distribution maintenance expenditures in 2020</b>	<b>\$18,397,995</b>
<b>Total distribution investment as of year end</b>	<b>\$1,053,827,502</b>
<b>Distribution maintenance expenditure as % of total distribution investment</b>	<b>1.7%</b>

**Notes:**

1. Budgets are subject to change.

**The Toledo Edison Company**  
**Rule 26 Report for 2020**

**8c. 4901:1-10-26(B)(3), (B)(3)(d)(ii), (B)(3)(d)(iii) Distribution Capital Expenditures - Reliability Specific**

<b>Distribution Capital Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Condition	\$27,601,900	\$20,144,092	-27%	Under budget due to lower than anticipated substation and underground distribution equipment replacements	\$23,630,927
Forced	\$17,924,741	\$14,112,571	-21%	Under budget due to lower than anticipated line failure work	\$17,681,833
Miscellaneous	\$8,294,604	\$6,182,708	-25%	Under budget due to lower than anticipated streetlight and meter exchange costs	\$8,294,510
System Reinforcement	\$0	\$15,600	Over 100%	Over budget due to unbudgeted system reinforcement work	\$418
Vegetation Management	\$2,945,091	\$2,228,721	-24%	Under budget due to lower than anticipated capital vegetation management work	\$1,227,895

**Notes:**

1. Budgets are subject to change.

**The Toledo Edison Company**  
**Rule 26 Report for 2020**

**8d. 4901:1-10-26(B)(3), (B)(3)(d)(ii), (B)(3)(d)(iii) Distribution Maintenance Expenditures - Reliability Specific**

<b>Distribution Maintenance Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Corrective Maintenance	\$1,968,089	\$2,969,831	51%	Over budget due to higher than anticipated distribution substation corrective maintenance	\$2,157,553
Forced	\$2,923,829	\$1,574,898	-46%	Under budget due to emergency storm restoration and related follow up work lower than anticipated	\$2,883,478
Miscellaneous	\$1,380,035	\$2,056,712	49%	Over budget due to higher than anticipated streetlight maintenance and customer requested metering costs	\$1,118,909
Operations	\$1,074,842	\$85,050	-92%	Under budget due to substation operations maintenance costs lower than anticipated	\$1,098,121
Preventative Maintenance	\$984,847	\$846,628	-14%	Under budget due to substation preventative maintenance costs lower than anticipated	\$1,148,679
Condition	\$6,827,091	\$5,631,710	-18%	Under budget due to overhead distribution equipment repair costs lower than anticipated	\$6,546,378
Vegetation Management	\$3,706,621	\$4,176,801	13%	Over budget due to higher than anticipated maintenance forestry work	\$5,003,460

**Notes:**

1. Budgets are subject to change.

**The Toledo Edison Company**  
**Rule 26 Report for 2020**

**9. 4901:1-10-26(B)(3)(e) Average Remaining Depreciation Life of Distribution and Transmission Facilities**

Transmission or Distribution	Asset Type	FERC Account/ Subaccount	Total Depreciable Life of Asset	Total Depreciated Life of Asset	Total Remaining Life of Asset	Percent of Remaining Life of Asset	How Age Was Determined
T	Structures / Improvements	352.1	50.00	42.22	7.78	15.56%	See note 1.
T	Station Equipment	353	50.00	21.47	28.53	57.05%	See note 1.
T	Towers & Fixtures	354	50.00	49.30	0.70	1.40%	See note 1.
T	Poles & Fixtures	355	40.00	25.69	14.31	35.78%	See note 1.
T	Overhead Conductors	356.1	45.00	26.59	18.41	40.92%	See note 1.
T	Underground Conduit	357	40.00	28.80	11.20	27.99%	See note 1.
T	Underground Conductor	358	35.00	21.22	13.78	39.36%	See note 1.
D	Structures / Improvements	361.1	50.00	26.25	23.75	47.49%	See note 1.
D	Clearing, Grading of Land	361.2	50.00	14.19	35.81	71.62%	See note 1.
D	Station Equipment	362	40.00	18.58	21.42	53.55%	See note 1.
D	Poles & Towers	364	40.00	16.35	23.65	59.13%	See note 1.
D	Overhead Conductor	365	40.00	13.47	26.53	66.33%	See note 1.
D	Underground Conduit	366	60.00	29.94	30.06	50.10%	See note 1.
D	Underground Conductor	367	40.00	12.73	27.27	68.17%	See note 1.
D	Line Transformers	368	35.00	14.06	20.94	59.83%	See note 1.
D	Services	369	34.00	27.92	6.08	17.89%	See note 1.
D	Meters	370	35.00	13.02	21.98	62.79%	See note 1.
D	Install on Customer Premises	371	25.00	18.64	6.36	25.43%	See note 1.
D	Street Lighting	373.1	25.00	15.95	9.05	36.18%	See note 1.

**Notes:**

1. Depreciable life was approved by the Commission. Average depreciation life is based on the average service life of the assets recorded in each FERC account.

**The Toledo Edison Company**  
**Rule 26 Report for 2020**

**10. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i) Inspection, Maintenance, Repair, and Replacement of Distribution Transmission, and Substation Programs Summary Report**

<b>Asset Type</b>	<b>Program Name</b>	<b>Program Goals</b>	<b>Goals Achieved?</b>
D	Circuit and Line	Inspect 51 circuits (2020).	Y
D	Line Capacitors	Inspect 1,726 units (2020).	Y
D	Line Reclosers	Inspect 469 units (2020).	Y
D	Poles and Towers	Inspect 20,983 poles (2020).	Y
D	Primary Enclosures and Secondary Enclosures	Inspect 2,856 primary enclosures and 3,380 secondary enclosures (2020).	Y
D	Right-of-way Vegetation Control	Maintain 60 distribution circuits (2020).	Y
DS	Substation Monthly Patrols	Inspect substations 12 times annually (2020).	Y

**Notes:**



**The Toledo Edison Company  
Rule 26 Report for 2020**

**10a. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i), (B)(3)(f)(ii) If Response in Column "Goals Achieved?" of Report 10 is "Yes"**

<b>Program Name</b>	<b>Explanation of How Goals Were Achieved</b>	<b>Quantitative Description of Goal Achieved</b>	<b>Summary of Findings</b>
Circuit and Line	Internal Labor	Inspected 51 circuits (2020).	1,563 deficiencies found.
Line Capacitors	Internal Labor	Inspect 1,726 units (2020).	69 deficiencies found.
Line Reclosers	Internal Labor	Inspect 469 units (2020).	75 deficiencies found.
Poles and Towers	Pole Inspection Contractor	Inspected 21,293 poles (2020). 221 poles were not found in the field.	1,535 deficiencies found.
Primary and Secondary Enclosures	Internal Labor	Inspect 2,856 primary enclosures and 3,380 secondary enclosures (2020).	866 deficiencies found.
Right-of-way Vegetation Control	Contractor	Maintained 60 circuits (1,959 miles) (2020).	No deficiencies found.
Substation Monthly Patrols	Internal Labor	Inspected substations 12 times annually (2020).	113 deficiencies found.

**Notes:**

**The Toledo Edison Company  
Rule 26 Report for 2020**

**10b. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i), (B)(3)(f)(ii) If Response in Column "Goals Achieved?" of Report 10 is "No"**

<b>Program Name</b>	<b>Explanation of How Goals Were Achieved</b>	<b>Quantitative Description of Goal Achieved</b>	<b>Summary of Findings</b>
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**Notes:**

**The Toledo Edison Company  
Rule 26 Report for 2020**

**10c. 4901:1-10-26(B)(3)(f), (B)(3)(f)(iii) Remedial Activity**

<b>Program Name</b>	<b>Program Finding(s) Resulting in Remedial Action</b>	<b>Remedial Activity Performed</b>	<b>Completion Date</b>	<b>Remedial Activity Yet to be Performed</b>	<b>Estimated Completion Date</b>
Capacitors (2020)	69 deficiencies found in 2020.	67 deficiencies fixed in 2020.		2 deficiencies remain to be fixed from 2020.	2/28/2021
Circuit and Line (2019)	876 deficiencies found in 2019.	825 deficiencies fixed in 2019. 51 deficiencies fixed in 2020.	4/30/2020	0 deficiencies remain to be fixed from 2019.	
Circuit and Line (2020)	1,563 deficiencies found in 2020.	1,524 deficiencies fixed in 2020.		39 deficiencies remain to be fixed from 2020.	5/31/2021
Line Reclosers (2019)	107 deficiencies found in 2019.	106 deficiencies fixed in 2019. 1 deficiency fixed in 2020.	5/31/2020	0 deficiencies remain to be fixed from 2019.	
Line Reclosers (2020)	75 deficiencies found in 2020.	70 deficiencies fixed in 2020.		5 deficiencies remain to be fixed from 2020.	2/28/2021
Poles and Towers (2018)	2,060 deficiencies found in 2018.	1,158 deficiencies fixed in previous years. 900 deficiencies fixed in 2020.		2 deficiencies remain to be fixed from 2018.	1/29/2021
Poles and Towers (2019)	1,803 deficiencies found in 2019.	361 deficiencies fixed in 2019. 106 deficiencies fixed in 2020.		1,336 deficiencies remain to be fixed from 2019.	12/31/2021
Poles and Towers (2020)	1,535 deficiencies found in 2020.	244 deficiencies fixed in 2020.		1,291 deficiencies remain to be fixed from 2020.	12/31/2022
Primary and Secondary Enclosures (2019)	974 deficiencies found in 2019.	940 deficiencies fixed in 2019. 34 deficiencies fixed in 2020.	5/31/2020	0 deficiencies remain to be fixed from 2019.	10/31/2020
Primary and Secondary Enclosures (2020)	866 deficiencies found in 2020.	840 deficiencies fixed in 2020.		26 deficiencies remain to be fixed from 2020.	10/31/2021
Right-of-Way Vegetation Control (2020)	None	None		None	
Substation Monthly Patrols (2019)	181 deficiencies found in 2019. <sup>1</sup>	176 deficiencies fixed in 2019. 5 deficiencies fixed in 2020.	12/31/2020	0 deficiencies remain to be fixed from 2019.	
Substation Monthly Patrols (2020)	113 deficiencies found in 2020. <sup>1</sup>	103 deficiencies fixed in 2020.		10 deficiencies remain to be fixed from 2020.	12/31/2021

**Notes:**

1. Substation deficiencies may be recorded/discovered outside of the monthly patrols.

**The Toledo Edison Company**  
**Rule 26 Report for 2020**

**10d. 4901:1-10-26(B)(3)(f) Current Year Goals**

<b>Asset Type</b>	<b>Program Name</b>	<b>Program Goals</b>
D	Circuit and Line	Inspect 51 circuits (2021).
D	Line Capacitors	Inspect 1,755 capacitor units (2021).
D	Line Reclosers	Inspect 505 units (2021).
D	Poles and Towers	Inspect 21,776 distribution poles (2021).
D	Primary and Secondary Enclosures	Inspect 3,633 primary enclosures and 4,814 secondary enclosures (2021).
D	Right-of-Way Vegetation Control	Maintain 71 distribution circuits (2021).
DS	Substation Monthly Patrols	Inspect substations 12 times annually (2021).

**Notes:**

**The Toledo Edison Company  
Rule 26 Report for 2020**

**11. 4901:1-10-26(B)(3)(f), (B)(3)(iv) Prevention of Overloading or Excessive Loading of Facilities and Equipment**

Transmission or Distribution		Program Name	Program Goals
D		System Planning	The Toledo Edison Company reviews system, substation and circuit loadings on an ongoing basis throughout the year.

**Notes:**

**The Toledo Edison Company  
Rule 26 Report for 2020**

**12. 4901:1-10-26(B)(3)(f), (B)(3)(iv) Actions to Remedy Overloading or Excessive Loading of Facilities and Equipment**

Transmission or Distribution	Sub/Circuit Name	Date Overloading Identified	Plan to Remedy Overloading	Estimated Completion Date	Actions Taken to Remedy Overloading	Actual Completion Date
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**Notes:**

1. The Toledo Edison Company reported no new actions in 2020

**The Toledo Edison Company  
Rule 26 Report for 2020**

**13. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Deleted**

<b>Facility Type</b>	<b>Deleted Program Name</b>
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**Notes:**

1. The Toledo Edison Company follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.

**The Toledo Edison Company  
Rule 26 Report for 2020**

**14. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Modified**

Facility Type	Modified Program Name
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**Notes:**

1. The Toledo Edison Company follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.



**The Toledo Edison Company  
Rule 26 Report for 2020**

**15. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Added**

Facility Type	Added Program Name
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**Notes:**

1. The Toledo Edison Company follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.

**The Toledo Edison Company  
Rule 26 Report for 2020**

**16. 4901:1-10-26(B)(4) Service Interruptions Due to Other Entity**

<b>Date of Interruption</b>	<b>Time of Interruption</b>	<b>Type of Entity Causing Interruption</b>	<b>Name of Entity Causing Interruption</b>	<b>Impact on Transmission or Distribution</b>	<b>Sub/Circuit Interrupted</b>	<b>Cause of Interruption</b>

**Notes:**

1. The Toledo Edison Company had no service interruptions due to other entities for 2020.

**BEFORE  
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the matter of the Annual Report of the	)	
Electric Service and Safety Standards.	)	Case No: 21-0997-EL-ESS
Pursuant to Rule 4901:1-10-26(B) of the Ohio	)	
Administrative Code	)	

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ANNUAL REPORT OF  
American Transmission Systems, Inc. ("ATSI")  
submitted for the year 2020.

I certify that the following report accurately and completely reflects the annual report requirements pursuant to Rule 4901:1-10-26 of the Ohio Administrative Code.



\_\_\_\_\_  
Signature

\_\_\_\_\_  
Carl J. Bridenbaugh

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Vice President, Transmission

\_\_\_\_\_  
Title

\_\_\_\_\_  
March 24, 2021

\_\_\_\_\_  
Date

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**1. 4901:1-10-26(B)(1), (B)(1)(b), (B)(1)(c) Future Investment Plan for Facilities and Equipment, covering period of no less than three years**

Identification of project, program, or plan	Transmission or Distribution	Project Description and Goals	Portion of Service Territory Affected	Characteristics of Territory Affected	Estimated Cost	Initiation Date	Planned Completion Date
ATSI-20-5012	T	Bellevue-Carriage: Rebuild 69kV Line (13.4 miles) and upgrade line switches.	Northern Ohio		\$26.1M	8/2/2018 <sup>2</sup>	08/05/24
ATSI-20-5013	T	Richland-East Leipsic: Rebuild 138kv Line (15.9 miles).	Western Ohio		\$20.9M	7/19/2018 <sup>2</sup>	12/16/22
ATSI-20-5014	T	Lemoyne-Woodville-Fostoria: Build 3.1 miles of new 138kV line and construct 5-Breaker Ring Bus.	Western Ohio		\$15.2M	7/19/2018 <sup>2</sup>	03/31/23
ATSI-20-5015	T	Talmadge 138 kV: Construct 4-Breaker Ring Bus.	Western Ohio		\$11.8M	08/27/20	12/31/24
ATSI-20-5016	T	Brim 138/69 kV Substation Expansion: Construct new 5.1 mile 138kV line and convert to 4-Breaker 138kV Ring Bus.	Western Ohio		\$17.4M	9/1/2018 <sup>2</sup>	06/01/22

**Notes:**

1. Based on Rule 4901:1-10-26(B)(1)(b), this section is looking for only those projects for which the timeline is no less than three years. Specifically, it documents projects that began in calendar year 2020 and are not expected to be completed in less than three years from their start date.
2. Four projects started in 2018 were initially projected to be completed in less than 3 years. These projects are now projected to be completed longer than three years meeting the threshold to be added to the rule 26 report.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**1a. 4901:1-10-26(B)(1), (B)(1)(a) Relevant Characteristics of the Service Territory**

<b>Transmission or Distribution</b>	<b>Overhead Miles</b>	<b>Underground Miles</b>	<b>Notable Characteristics</b>
T	7,168	15	

**Notes:**

1. Mileage reflects circuit miles.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**1b. 4901:1-10-26(B)(1) Future Investment Plan for Facilities and Equipment**

<b>Transmission or Distribution</b>	<b>2020 Planned Costs</b>	<b>2020 Actual Costs</b>	<b>2021 Planned Costs</b>	<b>2022 Planned Costs</b>	<b>2023 Planned Costs</b>	<b>2024 Planned Costs</b>
T	\$407,265,387	\$392,117,673	\$408,349,042	\$386,796,419	\$596,340,791	\$556,029,173

**Notes:**

1. All budgets are subject to change.
2. 2021 - 2024 Planned Costs are estimates.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**2. 4901:1-10-26(B)(1)(d), (B)(1)(f) Complaints from Other Entities**

<b>Entity making complaint</b>	<b>Date complaint received</b>	<b>Nature of complaint</b>	<b>Actions taken to address complaint</b>	<b>Resolved (yes/no)</b>	<b>Date complaint resolved</b>	<b>If not resolved, why?</b>
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**Notes:**

1. ATSI is not aware of any formal complaints from other entities for 2020.

**American Transmission System, Inc. ("ATSI")  
Rule 26 Report for 2020**

**3a. 4901:1-10-26(B)(1)(e), (B)(1)(f) Electric Reliability Organization Standards Violations**

Standard Number	Standard Name	Date of Violation	Risk Factor	Severity Factor	Penalty Dollars	Violation Description	Resolved (yes/no)	Date Resolved	Of not resolved why?
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**Notes:**

1. Section 9.3.1 of NERC's Compliance Monitoring and Enforcement Program provides that information regarding ongoing compliance and enforcement matters is to be treated in a confidential manner pursuant to NERC's Rules of Procedure (Section 1500). In 2020, FirstEnergy Utilities ("FEU") resolved seven (7) minor instances of noncompliance related to its Critical Infrastructure Protection (CIP) Program. All instances were processed as either "Compliance Exception" or "Find, Fix, Track and Report" items with no monetary penalty, because they did not pose a serious or substantial risk to the reliability of the Bulk Power System. Due to the confidential nature of the cyber and operational security-related alleged violations, ATSI did not list them in the above table.

2. FEU is the NERC Registered Entity that serves as an agent for several FirstEnergy companies including ATSI.



**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**3b. 4901:1-10-26(B)(1)(e), (B)(1)(f) Regional Transmission Organization (RTO) Violations**

<b>Name of RTO Violation</b>	<b>Violation Description</b>	<b>Resolved (yes/no)</b>	<b>Date Resolved</b>	<b>Of not resolved why?</b>
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**Notes:**

1. The RTO, PJM, operates subject to FERC-approved tariffs, and transmission owners such as ATSI comply with applicable RTO tariff requirements. Disputes about tariff requirements are addressed in the RTO stakeholder processes and in FERC dockets. As such, while ATSI is pleased to provide information about RTO violations, ATSI respectfully notes that questions or follow-up regarding specific issues or matters should be addressed in the RTO stakeholder process, or in applicable FERC dockets. For 2020, ATSI is not aware of allegations concerning RTO violations occurring in Ohio.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**3c. 4901:1-10-26(B)(1)(e) Transmission Load Relief (TLR) Events**

<b>Event Start</b>	<b>Event End</b>	<b>Highest TLR During Event</b>	<b>Firm Load Interrupted During Event</b>	<b>Amount of Load (MW) Interrupted</b>	<b>Description of Event</b>
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**Notes:**

1. Transmission Load Relief ("TLR") events are regulated in the context of RTO tariffs and requirements and NERC's Reliability Standards. RTO tariffs and the Reliability Standards are established and operate subject to relevant provisions of the Federal Power Act. As such, while ATSI is pleased to provide the information described in the PUCO's regulations, ATSI does so on an information basis only, and ATSI respectfully notes that questions about specific TLR events or information must be addressed in the appropriate FERC, RTO, and NERC processes and dockets. In 2020, there were no TLR events for ATSI.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**3d. 4901:1-10-26(B)(1)(e) Top Ten Congestion Facilities by Hours of Congestion**

<b>Rank</b>	<b>Description of Facility Causing Congestion</b>
1	Richland - Naomi Jct 138 kV
2	West Fremont - Woodville Jct 138 kV
3	Lemoyne Bkr B2 345 kV
4	Ridgeville - Stryker 138 kV
5	Lallendorf - Monroe (ITC) 345 kV
6	Johnson - Lake Ave #2 138 kV
7	Allen Jct - Morocco (ITC) 345 kV
8	Highland - Commerce 138 kV
9	
10	

**Notes:**

1. FERC regulates the terms and conditions of transmission service, including transmission modeling, scheduling and dispatch by RTOs. Decisions about transmission modeling, scheduling and dispatch can have a significant impact on congestion. As such, while ATSI is pleased to provide the information described in the PUCO's regulations, ATSI does so on an informational basis only, and ATSI respectfully notes that questions about congestion related issues or information must be addressed in the appropriate FERC dockets and RTO processes. The table provides the information PJM reported as the top real-time constraints for 2020. In real-time constraints for 2020, only eight ATSI-Ohio facilities had real-time constraints.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**3e. 4901:1-10-26(B)(1)(e) Annual System Improvement Plan and Regional Transmission Operator Expansion Plan**

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**Relationship Between Annual System Improvement Plan and RTO Transmission Expansion Plan**

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PJM is the FERC-approved regional transmission operator for the ATSI footprint. PJM conducts transmission planning in part by means of its FERC-approved Regional Transmission Expansion Planning ("RTEP") process. The PJM RTEP protocol is described in Schedule 6 of the PJM Operating Agreement, and in Article 7 of the PJM Transmission Owners Agreement. Copies of these documents are available on PJM's internet website at [www.pjm.com](http://www.pjm.com). FirstEnergy Services Company transmission planners conduct transmission planning activities (including RTEP and non-RTEP work) for ATSI pursuant to FERC-approved tariffs and processes, as well as applicable Commission and Ohio Power Siting Board ("OPSB") rules, regulations and orders, thereby ensuring consistency and transparency for all affected regulatory agencies, utilities, transmission customers and consumers. As such, while ATSI is pleased to provide the information described in PUCO's regulations, ATSI does so on an informational basis only. ATSI respectfully notes that questions about specific transmission planning decisions and processes should be addressed in the appropriate PJM forum and in FERC and OPSB dockets.

**Notes:**

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**4. 4901:1-10-26(B)(4) Report of Implementation Plans from Previous Reporting Periods**

Identification of Project, Program, or Plan	Transmission or Distribution	Planned Completion Date	Actual Completion Date	Identification of Deviation from Previous Plan	Reason for Deviation from Previous Plan
<p>ATSI0124 Clark-Broadview-E.Springfield 138kV Loop. Create 138kV loop around City of Springfield. Loop Clark-Urbana 138kV and E. Spring-Tangy 138kV lines into Broadview Substation. New 138kV Substation at existing Broadview 69kV switching station with (2) 138/69kV transformers. Add new 69 kV transfer breaker at Broadview. Clark- Urbana 138kV line should be looped first and this is approximately 5 miles of double circuit. E.Springfield-Tangy 138kV line should be looped in and out of Broadview second and this is approximately 3.5 miles of double circuit.</p>	T	1/15/2021	12/19/2019	Planned Completion Date Modified	Completed ahead of schedule
<p>ATSI5000 Eliminate 3-T Line near Stryker Substation - Construct a new transmission line</p>	T	3/20/2020	5/28/2020	Planned Completion Date Modified	Revised and updated per most recent project plan. Previously combined project under ATSI0065. Project Completed.
<p>ATSI5001 Eliminate 3-T Line near Wauseon Substation -Construct a double circuit transmission line</p>	T	12/31/2023		Planned Completion Date Modified	Revised and updated per most recent project plan. Previously combined project under ATSI0065.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**4. 4901:1-10-26(B)(4) Report of Implementation Plans from Previous Reporting Periods**

Identification of Project, Program, or Plan	Transmission or Distribution	Planned Completion Date	Actual Completion Date	Identification of Deviation from Previous Plan	Reason for Deviation from Previous Plan
ATSI5004 Beaver-Black River 138kV - Rebuild Brownhelm Jct-Black River Section-- Replace 7.2 miles on the Beaver-Black River 138 kV Line	T	5/15/2020	6/1/2020	Planned Completion Date Modified	Project Completed
ATSI5006 Beaver-Wellington 138kV Project-- Rebuild as 138kV double circuit to Beaver Substation and to Wellington Substation. Create 138kV 4 Breaker Ring Bus at Wellington Substation.	T	1/31/2022		Planned Completion Date Modified	Revised and updated per most recent project plan.
ATSI5007 Hanville (Wellington) 69kV Line Rebuild-- Rebuild 32.78 miles of line. Replace poles and crossarms and upgrade line switches.	T	5/31/2022		Planned Completion Date Modified	Revised and updated per most recent project plan.
ATSI185008 Hanna-Newton Falls 138kV Rebuild--20.5 miles Replace the condition items at Hanna and Newton Falls substations.	T	6/1/2021		Planned Completion Date Modified	Revised and updated per most recent project plan.
ATSI185009 Holloway-Nottingham-Knox 138kV Line Rebuild-- 64 miles. Reinsulate and replace poles.	T	5/1/2027		Planned Completion Date Modified	Revised and updated per most recent project plan.
ATSI195010 Wynnscape Substation- Construct new 138kV 3-Breaker Ring Bus	T	12/5/2023		Planned Completion Date Modified	PJM notified ATSI that the developer has put this project on hold
ATSI195011 Lallendorf Substation- Expand substation to add new 345kV Line Terminal	T	11/1/2024		Planned Completion Date Modified	PJM notified ATSI that the developer has put this project on hold

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**4. 4901:1-10-26(B)(4) Report of Implementation Plans from Previous Reporting Periods**

<b>Identification of Project, Program, or Plan</b>	<b>Transmission or Distribution</b>	<b>Planned Completion Date</b>	<b>Actual Completion Date</b>	<b>Identification of Deviation from Previous Plan</b>	<b>Reason for Deviation from Previous Plan</b>
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**Notes:**

1. This table includes complete, on track, and/or modified projects.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**5. 4901:1-10-26(B)(3), (B)(3)(a) Characteristics of Condition of Company's System**

<b>Transmission or Distribution</b>	<b>Qualitative Characterization of Condition of System</b>	<b>Explanation of Criteria Used in Making Assessment for Each Characterization</b>
T	The ATSI transmission system provides safe and reliable service.	Benchmarked reliability performance in terms of the Transmission Outage Frequency ("TOF") which is transmission outages divided by line count.

**Notes:**



**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**6. 4901:1-10-26(B)(3), (B)(3)(b) Safety and Reliability Complaints**

<b>Transmission or Distribution</b>	<b>Availability of Service</b>	<b>Damage</b>	<b>Momentary Interruption</b>	<b>Out of Service</b>	<b>Quality of Service</b>	<b>Repair Service</b>	<b>Public Safety</b>	<b>Total Complaints</b>
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**Notes:**

1. ATSI is not aware of any complaints for 2020.

**American Transmission Systems, Inc. ("ATSI")**  
**Rule 26 Report for 2020**

**7a. 4901:1-10-26(B)(3)(c), (B)(3)(c)(i) Transmission Capital Expenditures**

<b>Total transmission capital expenditures in 2020</b>	<b>\$392,117,673</b>
<b>Total transmission investment as of year end</b>	<b>\$5,063,309,364</b>
<b>Transmission capital expenditure as % of total transmission investment</b>	<b>7.7%</b>

**Notes:**

Budgets are subject to change.

This table contains total information for ATSI.

**7b. 4901:1-10-26(B)(3)(c), (B)(3)(c)(i) Transmission Maintenance Expenditures**

<b>Total transmission maintenance expenditures in 2020</b>	<b>\$58,107,471</b>
<b>Total transmission investment as of year end</b>	<b>\$5,063,309,364</b>
<b>Transmission maintenance expenditure as % of total transmission investment</b>	<b>1.1%</b>

**Notes:**

1. Budgets are subject to change.

2. This table contains total information for ATSI.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**7c. 4901:1-10-26(B)(3), (B)(3)(c)(ii), (B)(3)(c)(iii) Transmission Capital Expenditures - Reliability Specific**

<b>Transmission Capital Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Condition	\$242,045,542	\$257,569,795	6%	Minor Variance	\$178,848,572
Forced	\$2,727,018	\$14,274,610	Over 100%	Over budget due to failure, relocation, regulatory required work, and storm costs being greater than plan.	\$247,116
Miscellaneous	\$2,591,884	\$1,940,888	-25%	Under budget due to metering related costs and corrective maintenance being lower than plan.	\$1,255,998
System Reinforcement	\$85,073,907	\$19,995,037	-76%	Under budget due to system capacity upgrades/expansion projects being lower than plan.	\$70,683,566
Vegetation Management	\$9,743,941	\$7,279,177	-25%	Under budget due to vegetation labor, overhead, and transportation costs being lower than plan.	\$0

**Notes:**

1. All budgets are subject to change.
2. This table contains total information for ATSI.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**7d. 4901:1-10-26(B)(3), (B)(3)(c)(ii), (B)(3)(c)(iii) Transmission Maintenance Expenditures - Reliability Specific**

<b>Transmission Maintenance Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
Corrective Maintenance	\$2,535,836	\$6,979,196	Over 100%	Over budget due to substation equipment faults and interrupts being greater than plan.	\$2,535,836
Forced	\$359,590	\$89,928	-75%	Under budget due to relocation projects being lower than plan.	\$359,590
Miscellaneous	\$1,882,754	\$4,343,679	Over 100%	Over budget due to corrective maintenance portions of system reinforcement projects being greater than plan.	\$1,882,754
Operations	\$9,971,096	\$7,209,824	-28%	Under budget due to substation labor costs being being lower than plan.	\$9,971,096
Preventative Maintenance	\$578,237	\$196,217	-66%	Under budget due to substation maintenance costs being lower than plan.	\$578,237
Condition	\$28,797,605	\$25,311,317	-12%	Under budget due to replacement and study costs being lower than plan.	\$28,797,605
Vegetation Management	\$9,833,864	\$10,378,324	6%	Minor Variance	\$9,833,864

**Notes:**

1. All budgets are subject to change.
2. This table contains total information for ATSI.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**8a. 4901:1-10-26(B)(3)(d), (B)(3)(d)(i) Distribution Capital Expenditures**

<b>Total distribution capital expenditures in 2020</b>	
<b>Total distribution investment as of year end</b>	
<b>Distribution capital expenditure as % of total distribution investment</b>	

**Notes:**

**8b. 4901:1-10-26(B)(3)(d), (B)(3)(d)(i) Distribution Maintenance Expenditures**

<b>Total distribution maintenance expenditures in 2020</b>	
<b>Total distribution investment as of year end</b>	
<b>Distribution maintenance expenditure as % of total distribution investment</b>	

**Notes:**

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**8c. 4901:1-10-26(B)(3), (B)(3)(d)(ii), (B)(3)(d)(iii) Distribution Capital Expenditures - Reliability Specific**

<b>Distribution Capital Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
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**Notes:**

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**8d. 4901:1-10-26(B)(3), (B)(3)(d)(ii), (B)(3)(d)(iii) Distribution Maintenance Expenditures - Reliability Specific**

<b>Distribution Maintenance Budget Category</b>	<b>2020 Budget</b>	<b>2020 Actual</b>	<b>% Variance</b>	<b>Explanation of Variance if Over 10%</b>	<b>2021 Budget</b>
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**Notes:**

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**9. 4901:1-10-26(B)(3)(e) Average Remaining Depreciation Life of Distribution and Transmission Facilities**

<b>Transmission or Distribution</b>	<b>Asset Type</b>	<b>FERC Account/ Subaccount</b>	<b>Total Depreciable Life of Asset</b>	<b>Total Depreciated Life of Asset</b>	<b>Total Remaining Life of Asset</b>	<b>Percent of Remaining Life of Asset</b>	<b>How Age Was Determined</b>
T	Structures / improvements	352.1	50.00	12.77	37.23	74.46%	See note 1.
T	Clearing, Grading of Land	352.2	50.00	20.90	29.10	58.21%	See note 1.
T	Station Equipment	353	49.00	7.33	41.67	85.04%	See note 1.
T	Towers & Fixtures	354	50.00	41.46	8.54	17.08%	See note 1.
T	Poles & Fixtures	355	47.00	7.72	39.28	83.56%	See note 1.
T	Overhead Conductors	356.1	51.00	8.97	42.03	82.39%	See note 1.
T	Clearing, Grading of Land	356.2	51.00	10.66	40.34	79.06%	See note 1.
T	Underground Conduit	357	60.00	35.37	24.63	41.05%	See note 1.
T	Underground Conductor	358	49.00	20.76	28.24	57.64%	See note 1.
T	Roads & Trails	359	75.00	14.01	60.98	81.36%	See note 1.

**Notes:**

1. Depreciable life was approved by the Commission. Average depreciation life is based on the average service life of the assets recorded in each FERC account.



**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**10. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i) Inspection, Maintenance, Repair, and Replacement of Distribution  
Transmission, and Substation Programs Summary Report**

<b>Asset Type</b>	<b>Program Name</b>	<b>Program Goals</b>	<b>Goals Achieved?</b>
T	Transmission Circuit and Line	Patrol all lines once per year (2020).	Y
T	Transmission Vegetation Management	Maintain 67 corridors (2020).	Y
T	Transmission Wood Pole	Inspect 3,199 poles (2020).	Y

**Notes:**

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**10a. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i), (B)(3)(f)(ii) If Response in Column "Goals Achieved?" of Report 10 is "Yes"**

<b>Program Name</b>	<b>Explanation of How Goals Were Achieved</b>	<b>Quantitative Description of Goal Achieved</b>	<b>Summary of Findings</b>
Transmission Circuit and Line	Contractor	Patrolled all lines at least once per year (2020).	113 deficiencies found.
Transmission Vegetation Management	Contractor	Maintained 68 corridors (925 miles) (2020).	No deficiencies found.
Transmission Wood Pole	Contractor	Inspect 3,561 poles (2020).	2 deficiencies found.

**Notes:**

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**10b. 4901:1-10-26(B)(3)(f), (B)(3)(f)(i), (B)(3)(f)(ii) If Response in Column "Goals Achieved?" of Report 10 is "No"**

<b>Program Name</b>	<b>Explanation of How Goals Were Achieved</b>	<b>Quantitative Description of Goal Achieved</b>	<b>Summary of Findings</b>
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**Notes:**

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**10c. 4901:1-10-26(B)(3)(f), (B)(3)(f)(iii) Remedial Activity**

<b>Program Name</b>	<b>Program Finding(s) Resulting in Remedial Action</b>	<b>Remedial Activity Performed</b>	<b>Completion Date</b>	<b>Remedial Activity Yet to be Performed</b>	<b>Estimated Completion Date</b>
Transmission Circuit and Line (2019)	20 deficiencies found in 2019.	18 deficiencies fixed in 2019. 2 deficiencies fixed in 2020.	2/11/2020	0 deficiencies remain to be fixed from 2019.	
Transmission Circuit and Line (2020)	113 deficiencies found in 2020.	111 deficiencies fixed in 2020.		2 deficiencies remain to be fixed from 2020.	2/27/2021
Transmission Vegetation Management (2020)	None	None		None	
Transmission Wood Pole Inspection (2020)	2 deficiencies found in 2020.	2 deficiencies fixed in 2020.	2/23/2020	0 deficiencies remain to be fixed from 2020.	

**Notes:**

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**10d. 4901:1-10-26(B)(3)(f) Current Year Goals**

<b>Asset Type</b>	<b>Program Name</b>	<b>Program Goals</b>
T	Transmission Circuit and Line	Patrol all lines once per year (2021).
T	Transmission Vegetation Management	Maintain 58 corridors (2021).
T	Transmission Wood Pole	Inspect 821 poles (2021).

**Notes:**

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**11. 4901:1-10-26(B)(3)(f), (B)(3)(iv) Prevention of Overloading or Excessive Loading of Facilities and Equipment**

<b>Transmission or Distribution</b>	<b>Program Name</b>	<b>Program Goals</b>
T	System Planning	A description of the planning criteria is in FirstEnergy's FERC 715 Report - Exhibit 1.

**Notes:**

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**12. 4901:1-10-26(B)(3)(f), (B)(3)(iv) Actions to Remedy Overloading or Excessive Loading of Facilities and Equipment**

<b>Transmission or Distribution</b>	<b>Sub/Circuit Name</b>	<b>Date Overloading Identified</b>	<b>Plan to Remedy Overloading</b>	<b>Estimated Completion Date</b>	<b>Actions Taken to Remedy Overloading</b>	<b>Actual Completion Date</b>
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**Notes:**

Overloading is uncommon on the transmission system. The ATSI system is designed to continue to operate in the event of the loss of a piece of equipment.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**13. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Deleted**

<b>Facility Type</b>	<b>Deleted Program Name</b>
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**Notes:**

1. ATSI follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.



**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**14. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Modified**

**Facility Type**

**Modified Program Name**

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**Notes:**

1. ATSI follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**15. 4901:1-10-26(B)(3)(f), (B)(3)(vi) Programs Added**

**Facility Type**

**Added Program Name**

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**Notes:**

1. ATSI follows the inspection and maintenance programs that were approved on June 1, 2010 under Case Number 09-0802-EL-ESS.

**American Transmission Systems, Inc. ("ATSI")  
Rule 26 Report for 2020**

**16. 4901:1-10-26(B)(4) Service Interruptions Due to Other Entity**

<b>Date of Interruption</b>	<b>Time of Interruption</b>	<b>Type of Entity Causing Interruption</b>	<b>Name of Entity Causing Interruption</b>	<b>Impact on Transmission or Distribution</b>	<b>Sub/Circuit Interrupted</b>	<b>Cause of Interruption</b>
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**Notes:**

1. See Rule 4901:1-10-27(C) Report for transmission outage information.

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**3/31/2021 2:28:34 PM**

**in**

**Case No(s). 21-0997-EL-ESS**

Summary: Annual Report In the matter of the application of FirstEnergy Companies report filed pursuant to Rule 26 of the Electric Service and Safety Standards, Ohio Administrative Code 4901:1-10-26 electronically filed by Karen A Sweeney on behalf of Danford, Emily V and Ohio Edison Company and The Cleveland Electric Illuminating Company and The Toledo Edison Company and American Transmissions Systems, Inc.