

Name of Respondent The Detroit Edison Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2004/Q4
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SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.
2. Substations which serve only one industrial or street railway customer should not be listed below.
3. Substations with capacities of Less than 10 MVA except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.
4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	OTTAWA	DIST	120.00	13.20	
2	OTIS - WARREN	DIST	40.00	13.20	
3			24.00	13.20	
4	OTSEGO - IMPLY TWP.	DIST	40.00	13.20	
5			120.00	40.00	
6	OTTER LAKE - OTTER LAKE	DIST	40.00	4.80	
7	OUTER DRIVE - DETROIT	DIST	24.00	4.80	
8	OWENDALE - BROOKFIELD TWP.	DIST	40.00	4.80	
9	OXFORD - OXFORD	DIST	40.00	13.20	
10	PADDOCK - PONTIAC	DIST	40.00	8.32	
11	PAGE - MILFORD TWP.	DIST	40.00	13.20	
12	PARKER ROAD - FORT GRATIOT TWP.	DIST	40.00	13.20	
13	PATTON - SOUTHFIELD	DIST	40.00	13.20	
14	PAUL - YPSILANTI TWP.	DIST	40.00	4.80	
15	PERU - INKSTER	DIST	120.00	13.20	
16	PETERSBURG - SUMMERFIELD TWP.	DIST	40.00	13.20	
17			24.00	2.40	
18	PHOENIX - ANN ARBOR TWP.	DIST	40.00	13.20	
19			120.00	40.00	
20	PIEDMONT - LODI TWP.	DIST	40.00	13.20	
21	PIGEON - PIGEON	DIST	40.00	13.20	
22	PINCKNEY - PINCKNEY	DIST	40.00	13.20	
23	PINE GROVE - PORT HURON	DIST	40.00	4.80	
24			24.00	4.80	
25	PINGREE - DETROIT	DIST	24.00	4.80	
26	PIONEER - PITTSFIELD TWP.	DIST	120.00	13.20	
27			120.00	40.00	
28	PITTSFIELD - ANN ARBOR	DIST	40.00	4.80	
29	PLACID - SPRINGFIELD TWP.	DIST	120.00	13.20	
30			40.00	4.16	
31			120.00	40.00	
32	PLYMOUTH - PLYMOUTH	DIST	40.00	4.80	
33	PONTIAC	DIST	120.00	13.20	
34	POPLAR - NORTHFIELD TWP	DIST	120.00	13.20	
35	PORT AUSTIN - PORT AUSTIN	DIST	40.00	4.80	
36			24.00	4.80	
37	PORT HOPE - GORE TWP.	DIST	40.00	4.80	
38	PORT HURON - PORT HURON	DIST	40.00	4.80	
39			24.00	4.80	
40	PORT SANILAC - PORT SANILAC	DIST	40.00	4.80	

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SUBSTATIONS (Continued)

5. Show in columns (l), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
80	2		STATIC CAPACITOR	2	12	1
40	2					2
15	1					3
20	2		STATIC CAPACITOR	1	7	4
75	1					5
2	1					6
20	2					7
1	1					8
15	2		STATIC CAPACITOR	1	12	9
10	2					10
30	2		STATIC CAPACITOR	1	12	11
50	2		STATIC CAPACITOR	1	6	12
30	2					13
8	2		STATIC CAPACITOR	2	12	14
50	2		STATIC CAPACITOR	2	9	15
10	1					16
3	3					17
50	2		STATIC CAPACITOR	4	72	18
200	1					19
25	2					20
20	2		STATIC CAPACITOR	1	5	21
30	2		STATIC CAPACITOR	1	9	22
9	1					23
17	2		STATIC CAPACITOR	1	5	24
12	2					25
80	2		STATIC CAPACITOR	2	9	26
150	2		STATIC CAPACITOR	2	36	27
12	2					28
15	2					29
14	1		GENERATING TRANSF	1	14	30
200	2		STATIC CAPACITOR	1	18	31
15	2		STATIC CAPACITOR	2	19	32
50	2					33
25	1					34
4	1		STATIC CAPACITOR	1	5	35
3	3					36
4	1					37
10	1					38
6	1					39
2	1					40

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SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.
2. Substations which serve only one industrial or street railway customer should not be listed below.
3. Substations with capacities of Less than 10 MVA except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.
4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	PRICE - ANN ARBOR	DIST	40.00	4.80	
2	PROCTOR - NOVESTA TWP.	DIST	40.00	4.80	
3	PROSPECT - SUPERIOR TWP.	DIST	40.00	4.80	
4	PROUD - MILFORD TWP.	DIST	120.00	40.00	
5			120.00	13.20	
6	PULFORD - DETROIT	DIST	24.00	4.80	
7	PURITAN - DETROIT	DIST	24.00	4.80	
8	PUTNAM - FREMONT TWP	DIST	40.00	4.16	
9	QUAIL - WISNER	DIST	40.00	4.80	
10	QUAKER - NOVI	DIST	120.00	13.20	
11	QUARTON RD - BIRMINGHAM	DIST	40.00	4.80	
12	QUEEN - FRENCHTOWN TWP.	DIST	40.00	4.80	
13	QUINCY - FREMONT TWP.	DIST	40.00	4.80	
14	RANDOLPH - AKRON TWP	DIST	40.00		
15	RAPID STREET - PONTIAC	DIST	40.00	8.30	
16	RAVINE - FARMINGTON TWP.	DIST	40.00	4.80	
17	REDFORD - DETROIT	DIST	40.00	4.80	
18			24.00	4.80	
19	RED RUN - WARREN	DIST	120.00	13.20	
20			120.00	40.00	
21	REESE - DENMARK TWP.	DIST	40.00	4.80	
22	REGENT - ANN ARBOR	DIST	40.00	4.80	
23	REMER - EAST CHINA TWP	DIST	40.00	13.20	
24			120.00	4.16	
25			120.00	40.00	
26	RENO - FREEDOM TWP.	DIST	40.00	4.80	
27	RICHMOND - RICHMOND TWP.	DIST	40.00	13.20	
28			40.00	4.80	
29	RICHVILLE - DENMARK TWP.	DIST	40.00	4.80	
30	RIVER RAISIN - RAISINVILLE TWP.	DIST	40.00	4.80	
31	RIVERSIDE - COTTRELLVILLE	DIST	40.00	13.20	
32	RIVERVIEW - RIVERVIEW	DIST	40.00	4.80	
33			120.00	40.00	
34	ROBIN - DRYDEN TWP.	DIST	120.00	13.20	
35	ROCHESTER - ROCHESTER	DIST	40.00	4.80	
36	ROCKWOOD - ROCKWOOD	DIST	40.00	4.80	
37	ROMEO - ROMEO	DIST	40.00	4.80	
38	ROMULUS - ROMULUS TWP.	DIST	120.00	13.20	
39			120.00	40.00	
40	ROOSEVELT - MONROE	DIST	24.00	4.80	

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SUBSTATIONS (Continued)

5. Show in columns (l), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
15	2					1
2	1					2
2	1					3
75	1					4
25	1					5
40	4					6
32	3					7
14	1		GENERATING TRANSF	1	14	8
1	1					9
50	2					10
15	2					11
5	2					12
1	1					13
	1					14
20	2					15
20	2					16
10	1					17
17	2		STATIC CAPACITOR	2	18	18
50	2					19
225	3		STATIC CAPACITOR	3	54	20
4	1		STATIC CAPACITOR	1	5	21
20	1					22
50	2					23
15	1		GENERATING TRANSF	1	15	24
175	2					25
3	2					26
7	1					27
12	2					28
3	1					29
2	2					30
5	1					31
10	2					32
150	2		STATIC CAPACITOR	2	36	33
7	1					34
20	2					35
8	2		STATIC CAPACITOR	1	10	36
12	2					37
7	1					38
200	2		STATIC CAPACITOR	1	12	39
17	3					40

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- Substations which serve only one industrial or street railway customer should not be listed below.
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- Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	ROSEVILLE - ROSEVILLE	DIST	24.00	4.80	
2	ROTUNDA - DEARBORN	DIST	230.00	13.20	
3	RUSH - WATERTOWN TWP.	DIST	40.00	13.20	
4			120.00	40.00	
5	SALEM - SALEM TWP.	DIST	24.00	4.80	
6	SALINE - SALINE	DIST	40.00	13.20	
7	SANDUSKY - SANDUSKY	DIST	40.00	13.20	
8			40.00	4.80	
9			120.00	40.00	
10	SARGENT - SOUTHFIELD	DIST	40.00	13.20	
11	SAVAGE - TROY	DIST	40.00	13.20	
12	SAVANNAH - DETROIT	DIST	24.00	4.80	
13	SAVOY - ST. CLAIR SHORES	DIST	40.00	13.20	
14	SAXON - ELK TWP.	DIST	40.00	13.20	
15	SCOTTEN - DETROIT	DIST	24.00	4.80	
16	SEBEWAING - SEBEWAING	DIST	40.00	4.80	
17	SELKIRK - GREEN OAK TWP.	DIST	40.00	13.20	
18			120.00	40.00	
19	SENECA - ROCHESTER HILLS	DIST	120.00	13.20	
20	SEVILLE - FRENCHTOWN TWP.	DIST	120.00	13.20	
21	SHADDICK - DEARBORN	DIST	24.00	4.80	
22	SHAW - GOODLAND TWP.	DIST	40.00	4.80	
23	SHELDON - VAN BUREN TWP.	DIST	40.00	13.20	
24			120.00	13.20	
25	SHERWOOD - SUMPTER TWP.	DIST	40.00	4.80	
26	SHOAL - FRENCHTOWN TWP.	DIST	120.00	13.20	
27	SHORES - ST. CLAIR SHORES	DIST	40.00	4.80	
28	SIDNEY - PLYMOUTH TWP.	DIST	40.00	13.20	
29	SIX MILE - REDFORD TWP.	DIST	40.00	4.80	
30	SLATER - BROCKWAY TWP.	DIST	40.00	4.80	
31	SLOAN - STERLING HTS.	DIST	120.00	13.20	
32	SLOCUM - TRENTON	DIST	24.00	4.16	
33					
34	SNOVER - MOORE TWP.	DIST	40.00	4.80	
35	SOUTHFIELD - SOUTHFIELD	DIST	120.00	13.20	
36			120.00	40.00	
37	SOUTH LYON - SOUTH LYON	DIST	40.00	4.80	
38	SPENCER	DIST	120.00	13.20	
39	SPOKANE - ROCHESTER HILLS	DIST	120.00	13.20	
40			120.00	40.00	

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SUBSTATIONS (Continued)

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			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
30	3					1
80	2		STATIC CAPACITOR	2	12	2
5	1		STATIC CAPACITOR	1	7	3
50	1					4
3	3					5
50	2		STATIC CAPACITOR	3	22	6
5	1					7
5	2					8
75	1		STATIC CAPACITOR	1	7	9
50	2					10
45	3		STATIC CAPACITOR	3	18	11
30	3					12
30	2					13
2	1					14
50	5					15
4	1		STATIC CAPACITOR	2	12	16
50	2		STATIC CAPACITOR	2	12	17
50	1		STATIC CAPACITOR	1	7	18
50	2		STATIC CAPACITOR	2	12	19
50	2		STATIC CAPACITOR	2	6	20
15	2					21
2	1					22
50	2					23
7	1					24
6	1					25
18	2					26
27	3					27
30	2		STATIC CAPACITOR	1	12	28
20	2					29
2	1					30
50	2		STATIC CAPACITOR	2	12	31
14	1		GENERATING TRANSF	1	14	32
			STATIC CAPACITOR	2	32	33
2	1					34
120	3		STATIC CAPACITOR	3	18	35
300	3		STATIC CAPACITOR	2	60	36
8	2					37
80	2					38
80	2		STATIC CAPACITOR	2	12	39
200	2		STATIC CAPACITOR	1	30	40

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			Primary (c)	Secondary (d)	Tertiary (e)
1	SPRUCE - WASHTENAW CO.	DIST	120.00	13.20	
2	ST. ANTOINE - DETROIT	DIST	120.00	13.20	
3	STARK - LIVONIA	DIST	40.00	4.80	
4	STATE - PITTSFIELD TWP.	DIST	40.00	13.20	
5	ST.CLAIR - ST.CLAIR	DIST	40.00	4.80	
6	STEPHENS - WARREN	DIST	120.00	13.20	
7			24.00	4.80	
8			120.00	24.00	
9	STERLING - STERLING HGTS.	DIST	40.00	13.20	
10			120.00	40.00	
11	ST LOUIS - DETROIT	DIST	24.00	4.80	
12	STOCKBRIDGE - WHITE OAK TWP.	DIST	40.00	13.20	
13			40.00	4.80	
14	STOCKWELL - PONTIAC	DIST	40.00	8.30	
15	STOEPEL - DETROIT	DIST	24.00	4.80	
16	STRATFORD - OXFORD TWP.	DIST	120.00	13.20	
17			120.00	40.00	
18	SULLIVAN - OLIVER TWP.	DIST	40.00	4.80	
19	SUMPTER - SUMPTER TWP	DIST	120.00	13.20	
20	SUNSET - FARMINGTON TWP.	DIST	120.00	13.20	
21			120.00	40.00	
22	SUPERIOR - SUPERIOR TWP.	DIST	120.00	40.00	
23			120.00	24.00	
24			40.00	13.20	
25	SUTTON - CLINTON TWP.	DIST	40.00	4.80	
26	SWAN CREEK - BERLIN TWP.	DIST	120.00	13.20	
27	SYRACUSE - TAYLOR	DIST	40.00	4.80	
28	TACOMA - MAPLE VALLEY TWP.	DIST	40.00	13.20	
29	TAHOE - NOVI	DIST	40.00	13.20	
30	TALBOT - MINDEN TWP.	DIST	40.00	13.20	
31	TAMARACK - LYON TWP	DIST	120.00	13.20	
32			40.00	13.20	
33	TAYLOR - TAYLOR	DIST	120.00	13.20	
34	TEGGERDINE - WHITE LAKE TWP.	DIST	40.00	13.20	
35					
36	TIENKEN - ROCHESTER HILLS	DIST	120.00	13.20	
37	TIFFANY - TAYLOR	DIST	40.00	13.20	
38	TIREMAN - DETROIT	DIST	24.00	4.80	
39	TODD - WEBSTER TWP.	DIST	40.00	4.80	
40	TRENTON - TRENTON	DIST	40.00	4.80	

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			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
50	2		STATIC CAPACITOR	2	12	1
120	3		STATIC CAPACITOR	3	18	2
15	2					3
50	2		STATIC CAPACITOR	1	7	4
10	2					5
50	2		STATIC CAPACITOR	2	12	6
20	2					7
195	3		STATIC CAPACITOR	3	54	8
75	3		STATIC CAPACITOR	3	18	9
225	3		STATIC CAPACITOR	3	72	10
40	4					11
2	1					12
3	1					13
20	2					14
36	4					15
50	2					16
200	2					17
2	1					18
9	1					19
80	2		STATIC CAPACITOR	2	12	20
200	2		STATIC CAPACITOR	2	48	21
120	2		STATIC CAPACITOR	3	60	22
75	1					23
68	1		GENERATING TRANSF	1	68	24
15	2					25
18	2					26
20	2					27
5	1		STATIC CAPACITOR	1	6	28
50	2					29
5	1					30
25	1		STATIC CAPACITOR	3	18	31
50	2					32
80	2		STATIC CAPACITOR	2	12	33
50	2		STATIC CAPACITOR	2	9	34
			STATIC CAPACITOR	1	9	35
65	2		STATIC CAPACITOR	2	12	36
30	2		STATIC CAPACITOR	1	6	37
27	3					38
2	1					39
9	1					40

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			Primary (c)	Secondary (d)	Tertiary (e)
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2	TRINITY - MONROE TWP.	DIST	40.00	13.20	
3			24.00	13.20	
4	TROY - ROYAL OAK	DIST	120.00	40.00	
5	TURNER - DETROIT	DIST	24.00	4.80	
6	TUSCOLA - INDIANFIELDS TWP.	DIST	40.00	13.20	
7			120.00	40.00	
8			120.00	13.20	
9	TWELVE MILE - ROYAL OAK	DIST	40.00	4.80	
10			24.00	4.80	
11	UNION LAKE - WATERFORD TWP.	DIST	40.00	4.80	
12	UNIONVILLE - COLUMBIA TWP.	DIST	24.00	4.80	
13	UTICA - UTICA	DIST	40.00	4.80	
14	VENICE - DEARBORN	DIST	24.00	4.80	
15	VENOY - WESTLAND	DIST	120.00	13.20	
16	VERNIER - GROSSE PTE. WOODS	DIST	40.00	4.80	
17	VICTOR - LENOX TWP.	DIST	120.00	40.00	
18			120.00	13.20	
19	VILLA - REDFORD TWP.	DIST	40.00	4.80	
20	WABASH - PT. HURON TWP.	DIST	40.00	13.20	
21			120.00	40.00	
22	WAGNER - DETROIT	DIST	24.00	4.80	
23	WALKER - DETROIT	DIST	24.00	4.80	
24	WALLED LAKE - WALLED LAKE	DIST	40.00	4.80	
25	WALNUT - W. BLOOMFLD TWP.	DIST	40.00	13.20	
26	WALTON - PONTIAC	DIST	40.00	4.80	
27			120.00	40.00	
28	WARDLOW - HIGHLAND TWP.	DIST	40.00	13.20	
29	WARREN - DEARBORN	DIST	120.00	13.20	
30			120.00	24.00	
31	WASHINGTON - WASHINGTON TWP.	DIST	40.00	4.80	
32	WATERMAN - DETROIT	DIST	24.00	4.80	
33			120.00	24.00	
34	WATERFORD - WATERFORD TWP.	DIST	40.00	13.20	
35			40.00	4.80	
36	WAYBURN - DETROIT	DIST	24.00	4.80	
37	WAYNE - CANTON TWP.	DIST	120.00	13.20	
38	WEBSTER - ROYAL OAK	DIST	40.00	4.80	
39			24.00	4.80	
40	WESTCHESTER - BLOOMFIELD TWP.	DIST	40.00	4.80	

Name of Respondent The Detroit Edison Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2004/Q4
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SUBSTATIONS (Continued)

5. Show in columns (l), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
7	1					1
15	1					2
10	1					3
400	4		STATIC CAPACITOR	4	120	4
27	3					5
7	1					6
50	1		STATIC CAPACITOR	2	14	7
9	1					8
10	1					9
10	1		STATIC CAPACITOR	1	9	10
25	2					11
1	3					12
36	2					13
30	3					14
50	2		STATIC CAPACITOR	2	9	15
37	3					16
175	2		STATIC CAPACITOR	2	36	17
50	2					18
20	2					19
50	2					20
150	2		STATIC CAPACITOR	1	18	21
30	3					22
50	5					23
12	2		STATIC CAPACITOR	1	7	24
50	2		STATIC CAPACITOR	2	12	25
15	2					26
200	2		STATIC CAPACITOR	2	48	27
22	2		STATIC CAPACITOR	1	7	28
50	2					29
300	4		STATIC CAPACITOR	5	100	30
12	2		STATIC CAPACITOR	1	7	31
4	1					32
300	3					33
30	2		STATIC CAPACITOR	1	9	34
15	2					35
30	3					36
120	3		STATIC CAPACITOR	3	18	37
10	1					38
20	2					39
20	2					40

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SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.
2. Substations which serve only one industrial or street railway customer should not be listed below.
3. Substations with capacities of Less than 10 MVA except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.
4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	WEST END - DETROIT	DIST	24.00	4.80	
2	WESTLAND - WESTLAND	DIST	40.00	13.20	
3	WHEELER - PONTIAC	DIST	120.00	13.20	
4	WHITE LAKE - WHITE LAKE TWP.	DIST	40.00	13.20	
5			40.00	4.80	
6	WHITMORE LAKE - NORTHFIELD TWP.	DIST	40.00	13.20	
7	WHITTIER - ROYAL OAK	DIST	120.00	4.80	
8	WICK - ROMULUS TWP.	DIST	40.00	13.20	
9	WILEY - ST. CLAIR TWP.	DIST	40.00	4.80	
10	WILLIAM RENSI - WATERFORD TWP.	DIST	40.00	4.80	
11	WILLIAMSTON - WILLIAMSTON TWP.	DIST	40.00	13.20	
12	WILMOT - KINGSTON TWP.	DIST			
13	WILSON - ASH TWP.	DIST	40.00	13.20	
14	WIXOM - WIXOM	DIST	120.00	13.20	
15	WOLVERINE - ANN ARBOR TWP.	DIST	40.00	13.20	
16	WOLFHILL - BRANDON TWP.	DIST	40.00	13.20	
17	WOODENTRACK - PORT HURON	DIST	24.00	4.80	
18	WOODSIDE - OAK PARK	DIST	40.00	4.80	
19			24.00	4.80	
20	WORTH - WORTH TWP.	DIST	40.00	4.80	
21	YALE - YALE	DIST	40.00	4.80	
22			24.00	4.80	
23	YATES - PECK	DIST	40.00	4.80	
24	YORK - PITTSFIELD TWP.	DIST	40.00	4.80	
25	YOST - LIVONIA	DIST	120.00	13.20	
26			120.00	40.00	
27	YPSILANTI - YPSILANTI	DIST	40.00	4.80	
28	YUMA - FORT GRATIOT TWP.	DIST	120.00	40.00	
29	ZACHARY - VAN BUREN TWP.	DIST	120.00	13.20	
30	ZEBRA	DIST	120.00	13.20	
31	ACADEMY - ANN ARBOR	SINGLECUST	40.00	13.20	
32	ALLISON - ROMULUS	SINGLECUST	120.00	13.20	
33	AMHERST - DETROIT	SINGLECUST	120.00	13.20	
34	ARSENAL - WARREN	SINGLECUST	40.00	4.80	
35	ARCTIC - ALLEN PARK	SINGLECUST	120.00	13.20	
36	ATWOOD - MONROE	SINGLECUST	24.00	4.16	
37	BADGER - PONTIAC	SINGLECUST	40.00	4.80	
38	BATES - ANN ARBOR	SINGLECUST	40.00	4.80	
39	BEAVER - LAPEER	SINGLECUST	40.00	0.24	
40	BELMONT - MELVINDALE	SINGLECUST	24.00	4.80	

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SUBSTATIONS (Continued)

5. Show in columns (l), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Capacity of Substation (In Service) (In MVa) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVa) (k)	
50	5					1
30	2		STATIC CAPACITOR	2	12	2
50	2					3
10	1		STATIC CAPACITOR	1	10	4
7	1					5
20	2					6
50	2					7
50	2					8
10	2					9
15	2		STATIC CAPACITOR	1	9	10
40	2		STATIC CAPACITOR	2	6	11
14	1		GENERATING TRANSF	1	14	12
7	1					13
80	2		STATIC CAPACITOR	2	12	14
30	2					15
20	2		STATIC CAPACITOR	1	18	16
12	2					17
10	1					18
20	2					19
2	1		STATIC CAPACITOR	1	7	20
6	1					21
2	1					22
3	1					23
13	3					24
80	2		STATIC CAPACITOR	2	12	25
75	1		STATIC CAPACITOR	1	6	26
15	2					27
50	1					28
18	2					29
80	2					30
50	2					31
80	2					32
48	2					33
25	2					34
9	1					35
5	1					36
1	1					37
15	2					38
1	2					39
2	1					40

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SUBSTATIONS

- Report below the information called for concerning substations of the respondent as of the end of the year.
- Substations which serve only one industrial or street railway customer should not be listed below.
- Substations with capacities of Less than 10 MVA except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.
- Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	BEAUMONT - ROYAL OAK	SINGLECUST	40.00	4.80	
2			24.00	4.80	
3	BOOTH - TROY	SINGLECUST	40.00	13.20	
4	BOULDER - FRENCHTOWN TWP.	SINGLECUST	120.00	13.20	
5	BRIGGS - DETROIT	SINGLECUST	24.00	4.80	
6	BRISTOL - DETROIT	SINGLECUST	120.00	13.20	
7	BRONCO - SHELBY TWP.	SINGLECUST	120.00	4.80	
8	BURNS - ROMEO	SINGLECUST	120.00	13.20	
9	BUTLER - MT. CLEMENS	SINGLECUST	40.00	13.20	
10	CAMPUS - ANN ARBOR	SINGLECUST	40.00	13.20	
11			40.00	4.80	
12	CASEY - ST. CLAIR SHORES	SINGLECUST	40.00	4.80	
13	CHAMPION - DETROIT	SINGLECUST	24.00	13.20	
14	CICOT - LINCOLN PARK	SINGLECUST	120.00	13.80	
15	COLLIER - PONTIAC	SINGLECUST	40.00	4.80	
16	COOPER - TAYLOR	SINGLECUST	120.00	4.80	
17	COSMO - PIGEON	SINGLECUST	120.00	13.20	
18	CRYSTAL - MARATHON TWP.	SINGLECUST	40.00	4.16	
19	DAKOTA - TROY	SINGLECUST	40.00	4.80	
20	DANVILLE - HAMBURG	SINGLECUST	40.00	13.20	
21	DENBY - GIBRALTAR	SINGLECUST	24.00	6.90	
22	DOLPHIN - DETROIT	SINGLECUST	40.00	4.80	
23	DUNN - PORT HURON	SINGLECUST	40.00	4.80	
24			24.00	4.80	
25	ENG CENTER SOUTH - WARREN	SINGLECUST	40.00	13.80	
26	EXPLORER - DEARBORN	SINGLECUST	120.00	13.20	
27	FIBER - PORT HURON	SINGLECUST	40.00	13.20	
28	FLETCHER - FREEDOM TWP.	SINGLECUST	40.00	4.16	
29	FORD ENGINEERING - DEARBORN	SINGLECUST	120.00	13.20	
30	GENERAL DYNAMICS - STERLING HTS.	SINGLECUST	120.00	13.20	
31	GRAF - INDIANFIELDS TWP	SINGLECUST	40.00	2.40	
32			24.00	2.40	
33	GREAT LAKES A - ECORSE	SINGLECUST	24.00	6.90	
34	GREAT LAKES B - ECORSE	SINGLECUST	24.00	6.90	
35	GREAT LAKES C - ECORSE	SINGLECUST	24.00	13.20	
36	GREAT LAKES D - ECORSE	SINGLECUST	24.00	13.80	
37	GREAT LAKES E - ECORSE	SINGLECUST	24.00	6.90	
38	GREAT LAKES J - ECORSE	SINGLECUST	24.00	6.90	
39	GREAT LAKES K - ECORSE	SINGLECUST	24.00	13.20	
40	GREAT LAKES R - ECORSE	SINGLECUST	13.20	6.90	

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SUBSTATIONS (Continued)

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Capacity of Substation (In Service) (In MVa) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVa) (k)	
25	2					1
13	1					2
15	2					3
25	1					4
40	4					5
75	3					6
50	2					7
50	2					8
20	2					9
18	2					10
22	2					11
6	1					12
10	2					13
9	1					14
4	1					15
6	1					16
25	1					17
1	1					18
12	2					19
5	1					20
20	2					21
5	2					22
10	1					23
10	1					24
35	2					25
50	2					26
10	1					27
5	1					28
75	1					29
7	1					30
1	1					31
	3					32
20	2					33
20	2					34
100	4					35
20	2					36
40	4					37
30	3					38
50	2					39
48	3					40

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SUBSTATIONS

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Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	GREGORY - FOWLERVILLE	SINGLECUST	40.00	13.20	
2	HANNAN - ROMULUS TWP.	SINGLECUST	40.00	13.20	
3	HANOVER - ALLEN PARK	SINGLECUST	24.00	13.20	
4	HIGHLAND PARK - HIGHLAND PARK	SINGLECUST	24.00	4.80	
5	IONIA - UTICA	SINGLECUST	40.00	4.80	
6	JARVIS - FERNDAL	SINGLECUST	24.00	4.80	
7	JEFFERSON - TRENTON	SINGLECUST	120.00	24.00	
8	JEROME - WAYNE	SINGLECUST	24.00	2.40	
9	KENNET - PONTIAC	SINGLECUST	40.00	4.80	
10	KENTUCKY - MILAN	SINGLECUST	120.00	13.20	
11	KRAMER - YPSILANTI	SINGLECUST	40.00	4.80	
12	KRESS - FERNDAL	SINGLECUST	24.00	4.80	
13	LAKE ROAD - OXFORD TWP.	SINGLECUST	40.00	4.80	
14	LAWTON - WARREN	SINGLECUST	40.00	4.80	
15	LEBARON - AUBURN HILLS	SINGLECUST	120.00	13.20	
16	LELAND - ANN ARBOR	SINGLECUST	40.00	4.80	
17	LEVAN - LIVONIA	SINGLECUST	120.00	13.20	
18	LIVONIA - LIVONIA	SINGLECUST	40.00	4.80	
19	LOGAN - STERLING HGTS.	SINGLECUST	120.00	13.20	
20	LOWELL - STERLING HGTS.	SINGLECUST	40.00	13.20	
21	LYNCH ROAD - DETROIT	SINGLECUST	24.00	4.80	
22	MANOR - STERLING HGTS.	SINGLECUST	40.00	13.20	
23	MARION - RIVER ROUGE	SINGLECUST	120.00	13.20	
24	MARSHALL - TRENTON	SINGLECUST	24.00	13.20	
25			24.00	4.80	
26	MARTIN - WARREN	SINGLECUST	24.00	13.20	
27	MASON - DETROIT	SINGLECUST	24.00	4.16	
28	MAZDA - FLATROCK	SINGLECUST	120.00	13.80	
29	MCAULEY - ANN ARBOR	SINGLECUST	120.00	13.80	
30	MCLOUTH A - TRENTON	SINGLECUST	24.00	6.90	
31	MCLOUTH B - TRENTON	SINGLECUST	24.00	6.90	
32	METAL PRODUCTS - ROYAL OAK	SINGLECUST	40.00	0.48	
33	METRO - ROMULUS TWP.	SINGLECUST	40.00	4.80	
34	MILK RIVER - GROSSE PTE. WOODS	SINGLECUST	40.00	4.80	
35			24.00	4.80	
36	MOHICAN - MARYSVILLE	SINGLECUST	120.00	13.80	
37	SOLUTIA (MONSANTO) - TRENTON	SINGLECUST	24.00	4.80	
38	MONTCALM - PONTIAC	SINGLECUST	120.00	13.20	
39	MOPAR - DETROIT	SINGLECUST	120.00	13.20	
40	MORRISON - SOUTHFIELD	SINGLECUST	40.00	4.80	

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SUBSTATIONS (Continued)

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			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVa) (k)	
7	1					1
15	2					2
15	2					3
15	2					4
12	1					5
4	1					6
150	2		STATIC CAPACITOR	2	36	7
3	3					8
20	2					9
50	2					10
20	2					11
	3					12
1	1					13
8	2					14
160	4					15
20	1					16
80	2					17
8	2					18
80	2					19
50	2					20
40	4					21
10	2					22
25	1					23
20	2					24
40	4					25
50	2					26
5	1					27
50	2					28
15	2					29
30	4					30
20	2					31
1	1					32
32	3					33
6	1					34
6	1					35
15	2					36
15	2					37
50	1					38
80	2					39
25	2					40

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Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	MUSTANG - STERLING HGTS.	SINGLECUST	120.00	13.20	
2	MYRTLE - FERNDAL	SINGLECUST	24.00	0.24	
3	NATIONAL - ROCHESTER	SINGLECUST	40.00	4.80	
4	NICKEL - HURON TWP.	SINGLECUST	24.00	4.80	
5	NOBLE - PITTSFIELD TWP.	SINGLECUST	120.00	13.20	
6	NORWAY - PLYMOUTH TWP.	SINGLECUST	40.00	13.20	
7	OLSON - DETROIT	SINGLECUST	24.00	0.48	
8	OXIDE - DETROIT	SINGLE CUST	24.00	4.80	
9	PALMER - PLYMOUTH TWP.	SINGLECUST	40.00	4.80	
10	PARKDALE - AVON TWP.	SINGLECUST	40.00	4.80	
11	PERKINS - LIVONIA	SINGLECUST	40.00	4.80	
12	PIPER - INDEPENDENCE TWP.	SINGLECUST	24.00	4.80	
13	POLARIS - LIVONIA	SINGLECUST	120.00	13.20	
14	PRAXAIR - ECORSE	SINGLECUST	120.00	13.20	
15	PRESS PLANT - WARREN	SINGLECUST	24.00	4.80	
16	PRIZM - MILFORD TWP.	SINGLECUST	40.00	13.20	
17	PRIZM - MILFORD TWP.	SINGLECUST	120.00	13.20	
18	RAMSAY - CLINTON	SINGLECUST	40.00	13.20	
19	RAMVILLE - WARREN	SINGLECUST	120.00	13.20	
20	RAND - PLYMOUTH	SINGLECUST	40.00	0.48	
21	REPUBLIC - MONROE	SINGLECUST	24.00	4.80	
22	RIALTO - MELVINDALE	SINGLECUST	24.00	13.20	
23	SAGINAW - PONTIAC	SINGLECUST	40.00	13.20	
24	SATURN - HAMTRAMCK	SINGLECUST	120.00	13.20	
25	SCHAFER - DETROIT	SINGLECUST	24.00	4.80	
26	SCOTSDALE - WILLOW RUN	SINGLECUST	120.00	13.20	
27	SEAMLESS TUBE - SOUTH LYON	SINGLECUST	40.00	4.80	
28	SEASIDE - HARBOR BEACH	SINGLECUST	120.00	13.20	
29	SELFDRIDGE - HARRISON TWP.	SINGLECUST	40.00	13.20	
30			40.00	4.80	
31	SEWARD - ANN ARBOR TWP.	SINGLECUST	40.00	13.20	
32	SIMPSON - MARYSVILLE	SINGLECUST	40.00	13.20	
33	SKYLARK - WARREN	SINGLECUST	120.00	13.20	
34	SPARTAN - WOODHAVEN	SINGLECUST	40.00	4.80	
35	SPORT - WAYNE	SINGLECUST	120.00	13.20	
36	SULPHITE - PORT HURON	SINGLECUST	40.00	4.80	
37	SUNBIRD - ORION TWP.	SINGLECUST	120.00	13.20	
38	SWIFT - RICH TWP.	SINGLECUST	40.00	4.16	
39	TAMPA - BRANDON TWP.	SINGLECUST	40.00	4.16	
40	TANDEM - ECORSE	SINGLECUST	120.00	13.20	

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SUBSTATIONS (Continued)

5. Show in columns (l), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
65	2					1
1	2					2
4	1					3
1	1					4
50	2					5
20	2					6
3	3					7
7	1					8
8	2					9
20	2					10
1	1					11
	3					12
50	2					13
155	5					14
37	3					15
25	1					16
40	1					17
5	2					18
50	2					19
1	2					20
32	3					21
7	1					22
50	2					23
80	2					24
18	2					25
7	1					26
7	1					27
50	2					28
5	1					29
18	2					30
4	1					31
10	2					32
80	2					33
1	1					34
50	2					35
32	1		GENRATING TRNFRMR	2		36
80	2					37
5	1					38
2	1					39
120	3					40

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SUBSTATIONS

- Report below the information called for concerning substations of the respondent as of the end of the year.
- Substations which serve only one industrial or street railway customer should not be listed below.
- Substations with capacities of Less than 10 MVA except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.
- Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended. At the end of the page, summarize according to function the capacities reported for the individual stations in column (f).

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE (In MVA)		
			Primary (c)	Secondary (d)	Tertiary (e)
1	TAURUS - WOODHAVEN	SINGLECUST	120.00	13.80	
2	TEMPEST - PONTIAC	SINGLECUST	120.00	13.20	
3	TIPTON - WARREN	SINGLECUST	24.00	4.80	
4	TITAN - STERLING HTS.	SINGLECUST	40.00	4.80	
5	TOPAZ - WAYNE COUNTY	SINGLECUST	120.00	13.20	
6	TOWN - WIXOM	SINGLECUST	120.00	13.20	
7	TUCKER - DETROIT	SINGLECUST	24.00	4.80	
8	UNIVERSITY - ANN ARBOR	SINGLECUST	40.00	13.20	
9	UTAH - CHINA TWP.	SINGLECUST	24.00	4.80	
10	VALLEY - VAN BUREN TWP.	SINGLECUST	40.00	4.80	
11	VAN BUREN - YPSILANTI TWP.	SINGLECUST	24.00	4.80	
12	VAN DYKE - STERLING HEIGHTS	SINGLECUST	120.00	13.20	
13	VETERANS - ANN ARBOR	SINGLECUST	40.00	13.20	
14	VISTEON - VAN BUREN TWP	SINGLECUST	120.00	13.20	
15	VOYAGER - DETROIT	SINGLECUST	120.00	13.20	
16	WANDA - FERNDALE	SINGLECUST	24.00	4.80	
17	WELLS - DUNDEE TWP.	SINGLECUST	40.00	4.80	
18	WHEELER - BLOOMFIELD	SINGLECUST	120.00	13.20	
19	WINGATE - VAN BUREN TWP.	SINGLECUST	40.00	13.20	
20	WILLOW RUN - YPSILANTI TWP.	SINGLECUST	120.00	13.20	
21	WOLCOTT - YPSILANTI	SINGLECUST	40.00	4.80	
22	WOODHAVEN - WOODHAVEN	SINGLECUST	120.00	13.20	
23	WYOMING - DETROIT	SINGLECUST	120.00	13.20	
24	ZUG A - ZUG ISLAND	SINGLECUST	24.00	4.80	
25	ZUG ISLAND	SINGLECUST	120.00	13.20	
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					

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SUBSTATIONS (Continued)

5. Show in columns (l), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease, and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses or other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Capacity of Substation (In Service) (In MVA) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	CONVERSION APPARATUS AND SPECIAL EQUIPMENT			Line No.
			Type of Equipment (i)	Number of Units (j)	Total Capacity (In MVA) (k)	
25	1					1
80	2					2
12	2					3
18	2					4
80	2					5
80	2					6
6	1					7
75	3					8
	3					9
2	1					10
	3					11
50	2					12
12	1					13
9	1					14
80	2					15
4	1					16
32	3					17
80	2					18
10	2					19
75	3		STATIC CAPACITOR	6	36	20
6	1					21
50	2					22
50	2					23
20	2					24
50	2					25
						26
						27
						28
						29
						30
						31
						32
						33
						34
						35
						36
						37
						38
						39
						40

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The Detroit Edison Company			
FOOTNOTE DATA			

Schedule Page: 426.20 Line No.: 24 Column: a

Summary of Equipment

Station & Substation Transformers, Capacity (MVA):

Transformers between various Transmission and Distribution Voltages:

230,000 Volt Transmission to 13,200 Volt Distribution =	80.0
120,000 Volt Transmission to 40,000 Volt Distribution =	7835.0
120,000 Volt Transmission to 24,000 Volt Distribution =	3260.0
120,000 Volt Transmission to 13,200 Volt Distribution =	5663.8
120,000 Volt Transmission to 4,800 Volt Distribution =	160.0
40,000 Volt Transmission to 24,000 Volt Distribution =	310.0
40,000 Volt Distribution to 13,200 Volt Distribution =	4167.8
40,000 Volt Distribution to 8,660 Volt Distribution =	62.5
40,000 Volt Distribution to 4,800 Volt Distribution =	2603.5
40,000 Volt Distribution to 4,160 Volt Distribution =	14.0
24,000 Volt Distribution to 13,200 Volt Distribution =	55.0
24,000 Volt Distribution to 4,800 Volt Distribution =	2363.7
24,000 Volt Distribution to 2,400 Volt Distribution =	6.0
Subtotal	26581.3

Transformers between Transmission and Single Customer voltages:

120,000 Volt Trans. to Customer Voltage in Single Customer Substations =	2777.0
40,000 Volt Distr. to Customer Voltage in Single Customer Substations =	979.0
24,000 Volt Distr. to Customer Voltage in Single Customer Substations =	799.3
13,200 Volt Distr. to Customer Voltage in Single Customer Substations =	48.0
Subtotal	4603.3

Machine Transformers:

Generator Voltage to 120,000 Volt Transmission System:

Delray Peakers =	200.0
Hancock =	85.0
Northeast =	138.0
Remer =	15.0
Subtotal	438.0

Generator Voltage to 40,000 Volt Distribution System:

Colfax =	14.0
Dayton =	10.0
Hancock =	90.0
Superior =	68.0
Wilmont =	14.0
Placid =	14.0
Putnam =	14.0
Subtotal	224.0

Generator Voltage to 24,000 Volt Distribution System:

Slocum =	14.0
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Total Station, Substation, and Misc. Power Transformer Capacity = 31860.5
(Note, Total excludes Static Capacitors and Synchronous Condensers)

Memo:

There are 668 Stations and Substations with a capacity totalling 31860.5
Static Capacitors = 3948

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