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April 29, 2005

Mary L. Cottrell, Secretary
Department of Telecommunications and Energy
One South Station, 2nd Floor
Boston, MA 02110

Re: Cambridge Electric Light Company d/b/a NSTAR Electric, D.T.E. 05-17

Dear Secretary Cottrell:

Enclosed for filing in the above-referenced matter are the responses to the Information Requests set forth on the accompanying list. The Company is also providing CD-ROMs to the Hearing Officer, Department staff and the Attorney General containing working, electronic versions of the spreadsheets provided in response to information requests DTE-1-5 through DTE-1-13, as requested by the Department. Please contact me or Cheryl Kimball if you have any questions regarding the filing.

Thank you for your attention to this matter.

Very truly yours,

John K. Habib

John K. Habib

cc: Jody Stiefel, Hearing Officer (including CD-ROM)
Joseph Rogers, Assistant Attorney General (including CD-ROM)
Susan McSherry
Henry LaMontagne
David Myers
John O'Brien
Robert Martin

INFORMATION REQUESTS

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Information Request DTE-1-5

Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the SAIDI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system SAIDI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-3), calculate the annual SAIDI average for each of the prior four years. For each bulk power station (identified in response to DTE 1-4), calculate the annual SAIDI average for each of the prior four years.
Utilize the following format.

Description	2001	2002	2003	2004	------Two Years------		
					01-02	02-03	03-04
System							
District Annual Average							
Bulk Power Station Annual Average							
"							
District Annual Average							
Bulk Power Station Annual Average							
"							
Statistics by individual feeders							
Circuit ID, location							
"							

Response

Please see Attachment DTE-1-5 and the CD-ROM provided with the cover letter accompanying this response for the requested information. Please note that, although the question seeks, in part, annual SAIDI averages for each of the prior four years "for each bulk power station," the Company has included SAIDI data in Attachment DTE-1-5 related to each of the Company's power stations,

regardless of voltage.[1] Because the annual SAIDI statistics are calculated based on all power stations, the Company is providing the information in this format in order to facilitate cross-referencing the information with the information provided by the Company in its annual service quality reports.

In addition, pursuant to the Department's Service Quality Guidelines, the Company calculates SAIDI for its distribution system by dividing the total duration of customer interruption in minutes by the total number of customers served by the distribution system. Therefore, in order to calculate SAIDI by power station, as requested, the Company must divide the total number of customer interruption in minutes by power station by the total number of customers served by the power station. However, prior to 2004, the Company did not track the number of customers serviced by power station. Therefore, the Company estimated the number of customers served by each power station during the years 2001 through 2003 by using the number of customers served by each power station for 2004 and reducing that number for the three prior years, based on the average system growth for the entire distribution system.

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1 The Company defines its bulk power stations as those stations serving the Company's distribution supply systems of 13.8 kilovolts or higher. Bulk stations are denoted by an asterisk on the Attachment.

Description			2001	2002	2003	2004	Two Years 01-02	02-03	03-04
Cambridge Electric Light Company			37.26	66.10	48.18	49.29	52.20	57.18	48.74
	* Denotes Bulk								
Station	811		25.47	7.44	187.69	122.53			
	812		11.79	30.76	11.04	60.71			
	813		0.00	394.11	0.00	47.73			
	814		7.07	17.12	134.87	98.95			
	815		13.21	84.26	0.00	0.00			
	816		35.86	44.70	27.14	0.00			
	817		53.55	101.85	101.97	49.43			
	819	*	0.14	0.49	0.07	0.00			
	820		0.00	21.19	107.07	54.61			
	821		0.00	40.59	0.00	90.04			
	822		0.28	84.29	8.43	10.59			
	823		64.37	203.85	131.31	56.46			
	824		120.84	129.20	0.00	24.91			
	825		19.94	32.14	0.83	150.13			
	826		286.53	15.56	40.03	51.32			
	827		20.20	189.33	46.22	0.00			
	828	*	156.33	7.95	0.74	1.88			
	829		0.00	16.30	7.10	0.00			
	830		42.59	309.94	92.51	167.55			
	831	*	3.80	8.27	4.45	0.07			
	838		33.06	0.00	0.00	0.00			
	850	*	0.18	1.07	1.81	0.12			
	Circuit	811-14	0.00	116.12	39.12	120.21	58.06	77.62	79.66
		811-36	0.67	0.09	194.21	110.63	0.38	97.15	152.42
		811-37	220.53	0.00	267.97	169.15	110.26	138.83	218.56
		811-47	0.00	0.00	0.00	241.07	0.00	0.00	120.54
		812-16	0.00	35.93	0.00	0.00	17.96	17.96	0.00
		812-24	0.00	61.68	0.00	0.00	30.84	30.84	0.00
		812-37	35.35	0.00	30.64	170.43	17.68	16.44	100.54
		813-13	0.00	1210.44	0.00	0.00	605.22	605.22	0.00
		813-36	0.00	0.00	0.00	118.55	0.00	0.00	59.27
		814-12	2.20	25.27	245.65	124.48	13.74	140.38	185.07
		814-13	5.77	89.39	0.00	0.00	47.58	44.69	0.00
		814-14	5.83	17.14	0.00	6.80	11.49	8.57	3.40
		814-15	4.20	0.00	69.90	108.69	2.10	34.42	89.30
		814-16	20.09	0.00	2.20	70.08	10.05	1.08	36.14
		814-17	6.00	0.00	0.00	0.00	3.00	0.00	0.00
		815-10	13.59	93.71	0.00	0.00	53.65	46.86	0.00
		816-02	68.94	87.03	55.99	0.00	77.98	71.51	28.00

Description	2001	2002	2003	2004	Two Years		
					01-02	02-03	03-04
816-04	149.00	435.96	0.00	0.00	292.48	217.98	0.00
816-33	0.00	2.91	69.91	0.00	1.46	36.41	34.96
817-01	29.05	112.44	51.33	20.47	70.74	81.88	35.90
817-02	217.09	59.51	238.85	0.00	138.30	149.18	119.42
817-03	26.20	0.00	306.56	0.00	13.10	156.08	153.28
817-04	0.00	120.74	88.59	0.00	60.37	104.67	44.30
817-05	0.00	72.47	11.49	13.59	36.23	41.98	12.54
817-06	0.00	73.57	0.00	0.00	36.78	36.78	0.00
817-08	0.00	238.86	7.82	13.56	119.43	123.34	10.69
817-09	0.00	323.29	102.61	128.06	161.65	212.95	115.33
817-46	0.00	30.48	7.97	190.23	15.24	19.22	99.10
817-48	56.87	7.75	109.01	0.00	32.31	58.38	54.51
819-1338	0.00	0.71	0.00	0.00	0.35	0.35	0.00
819-1398	0.00	7.50	0.00	0.00	3.75	3.75	0.00
819-1NA4	0.00	2.14	0.00	0.00	1.07	1.07	0.00
819-1NE4	0.00	0.00	0.46	0.00	0.00	0.23	0.23
819-1NE6	0.73	0.32	0.00	0.00	0.52	0.16	0.00
820-15	0.00	111.12	5.42	168.50	55.56	58.27	86.96
820-24	0.00	0.00	145.34	0.00	0.00	72.67	72.67
820-45	0.00	1.77	149.06	57.58	0.89	75.42	103.32
820-46	0.00	1.56	73.77	0.00	0.78	37.67	36.89
821-05	0.00	113.84	0.00	178.67	56.92	56.92	89.33
821-22	0.00	3.77	0.00	118.95	1.88	1.88	59.48
821-24	0.00	13.07	0.00	0.00	6.53	6.53	0.00
822-06	0.00	0.00	49.04	39.50	0.00	24.52	44.27
822-21	0.00	70.16	0.00	0.00	35.08	35.08	0.00
822-22	0.84	131.15	0.00	4.01	78.08	65.57	2.01
822-27	0.00	61.12	0.00	12.33	30.56	30.56	6.16
823-21	205.88	13.11	444.33	258.28	109.50	228.72	351.30
823-23	0.00	367.42	11.31	0.00	183.71	189.37	5.66
823-30	53.59	82.37	103.39	7.11	67.98	92.88	55.25
824-25	133.28	0.00	0.00	0.00	66.64	0.00	0.00
824-26	253.36	25.45	0.00	47.39	139.41	12.73	23.70
824-27	0.00	66.84	0.00	0.00	33.42	33.42	0.00
824-28	35.71	426.74	0.00	45.61	231.22	213.37	22.81
825-18	19.77	41.35	0.00	154.45	30.56	20.67	77.22
825-20	0.00	0.00	6.64	262.44	0.00	3.32	134.54
825-26	48.74	74.60	0.00	197.44	61.67	37.30	98.72
825-27	0.00	0.00	0.00	58.56	0.00	0.00	29.28
826-20	89.34	0.00	3.36	0.00	44.67	1.67	1.68
826-25	305.93	17.36	95.48	132.46	161.65	56.42	113.97
826-28	1790.78	158.33	15.47	0.00	974.56	86.90	7.73

Description	2001	2002	2003	2004	Two Years 01-02	02-03	03-04
827-07	30.86	340.80	3.26	0.00	185.83	172.03	1.63
827-18	43.08	148.28	0.00	0.00	95.68	74.14	0.00
827-19	0.00	9.66	0.00	0.00	4.83	4.83	0.00
827-21	0.00	214.79	144.84	0.00	107.39	179.81	72.42
827-31	0.00	17.44	0.00	0.00	8.72	8.72	0.00
828-1103	1206.35	64.00	0.00	0.00	635.18	32.00	0.00
828-1104	3.56	7.22	0.00	0.00	5.39	3.61	0.00
828-1325	0.58	0.00	0.00	0.00	0.29	0.00	0.00
828-1339	102.73	1.67	0.00	1.26	52.20	0.83	0.63
828-1369	0.00	0.00	0.00	22.00	0.00	0.00	11.00
828-1379	150.06	19.41	34.71	7.24	84.74	27.06	20.97
828-1NA9	0.00	0.00	0.00	35.55	0.00	0.00	17.78
828-1NC5	0.00	0.00	0.00	26.06	0.00	0.00	13.03
828-1NC8	4.78	7.83	0.00	0.00	6.31	3.92	0.00
828-1ND3	1.11	0.00	0.00	0.00	0.56	0.00	0.00
829-20	0.00	0.00	26.55	0.00	0.00	13.28	13.28
829-29	0.00	116.70	0.00	0.00	58.35	58.35	0.00
829-31	0.00	153.36	91.14	0.00	76.68	122.25	45.57
830-11	0.00	388.01	196.64	324.88	194.00	292.32	260.76
830-32	66.68	253.96	18.03	57.72	160.32	135.99	37.87
831-1304	0.00	71.50	0.00	0.00	35.75	35.75	0.00
831-1314	0.00	4.39	2.39	0.00	2.19	3.39	1.19
831-1347	0.00	0.00	40.98	0.00	0.00	20.49	20.49
831-1394	0.00	86.91	0.00	0.00	43.45	43.45	0.00
831-1NC6	0.65	0.00	0.00	0.00	0.32	0.00	0.00
831-1ND4	31.87	0.00	0.00	0.00	15.93	0.00	0.00
831-1ND5	0.00	0.00	0.00	0.85	0.00	0.00	0.43
838-1353	30.48	0.00	0.00	0.00	15.24	0.00	0.00
850-1322	0.00	12.06	0.00	0.00	6.03	6.03	0.00
850-1345	0.00	96.35	0.00	0.00	48.18	48.18	0.00
850-1352	0.00	0.00	16.03	0.00	0.00	8.02	8.02
850-1359	14.33	0.00	0.00	0.00	7.17	0.00	0.00
850-1367	0.61	0.00	0.00	0.00	0.31	0.00	0.00
850-1NN2	0.00	0.00	0.00	14.06	0.00	0.00	7.03
850-1NN3	0.00	0.00	27.51	0.00	0.00	13.76	13.76

Information Request DTE-1-6

Please provide a table, in an electronic EXCEL spreadsheet (formulas included) that identifies for each community the Company serves the SAIDI values for each of the prior four years (2001, 2002, 2003, and 2004) and by two consecutive reporting years. For each community identify the assumptions used to identify the SAIDI values. Utilize the following format.

Description	2001	2002	2003	2004	------Two Years------		
					01-02	02-03	03-04
System							
Community name							
"							

Response

Please see Attachment DTE-1-6 and the CD-ROM provided with the cover letter accompanying this response for the requested information.

Attachment DTE-1-6

Description	2001	2002	2003	2004	Two Years		
					01-02	02-03	03-04
Cambridge Electric Light Company	37.26	66.10	48.18	49.29	52.20	57.18	48.74

Information Request DTE-1-7

Given the information provided in response to DTE 1-5, provide a table, in an electronic EXCEL spreadsheet (formulas included), that ranks the 2003-2004 statistic to identify the highest (worst) ten percent of the utility's feeders.

Response

Please see Attachment DTE-1-7 and the CD-ROM provided with the cover letter accompanying this response for the requested information.

Circuit	SAIDI
823-21	351.30
830-11	260.76
811-37	218.56
814-12	185.07
817-03	153.28
811-36	152.42
825-20	134.54
811-47	120.54
817-02	119.42
817-09	115.33
826-25	113.97
820-45	103.32
812-37	100.54
817-46	99.10
825-26	98.72
821-05	89.33
814-15	89.30
820-15	86.96
811-14	79.66
825-18	77.22
820-24	72.67
827-21	72.42
821-22	59.48
813-36	59.27
823-30	55.25
817-48	54.51
829-31	45.57
817-04	44.30
822-06	44.27
830-32	37.87
820-46	36.89
814-16	36.14
817-01	35.90
816-33	34.96
825-27	29.28
816-02	28.00
824-26	23.70
824-28	22.81
828-1379	20.97

Ranking of 2003-2004 statistics to identify the highest ten percent of utility's feeders.

	Circuit	SAIDI
1	823-21	351.30
2	830-11	260.76
3	811-37	218.56
4	814-12	185.07
5	817-03	153.28
6	811-36	152.42
7	825-20	134.54
8	811-47	120.54
9	817-02	119.42

831-1347	20.49
828-1NA9	17.78
850-1NN3	13.76
829-20	13.28
828-1NC5	13.03
817-05	12.54
828-1369	11.00
817-08	10.69
850-1352	8.02
826-28	7.73
850-1NN2	7.03
822-27	6.16
823-23	5.66
814-14	3.40
822-22	2.01
826-20	1.68
827-07	1.63
831-1314	1.19
828-1339	0.63
831-1ND5	0.43
819-1NE4	0.23
812-16	0.00
812-24	0.00
813-13	0.00
814-13	0.00
814-17	0.00
815-10	0.00
816-04	0.00
817-06	0.00
819-1338	0.00
819-1398	0.00
819-1NA4	0.00
819-1NE6	0.00
821-24	0.00
822-21	0.00
824-25	0.00
824-27	0.00
827-18	0.00
827-19	0.00
827-31	0.00
828-1103	0.00
828-1104	0.00
828-1325	0.00
828-1NC8	0.00

828-1ND3	0.00								
829-29	0.00								
831-1304	0.00								
831-1394	0.00								
831-1NC6	0.00								
831-1ND4	0.00								
838-1353	0.00								
850-1322	0.00								
850-1345	0.00								
850-1359	0.00								
850-1367	0.00								

Information Request DTE-1-8

Given the information provided in response to DTE 1-5, provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies all feeders that are more than 300 percent greater than the system average of all feeders in the 2003-2004 period.

Response

Please see Attachment DTE-1-8 and the CD-ROM provided with the cover letter accompanying this response for the requested information.

	Two Year Period	
	03-04	300% greater
Cambridge Electric Light Company	48.74	**146.22**

Circuit	SAIDI
823-21	351.30
830-11	260.76
811-37	218.56
814-12	185.07
817-03	153.28
811-36	152.42
825-20	134.54
811-47	120.54
817-02	119.42
817-09	115.33
826-25	113.97
820-45	103.32
812-37	100.54
817-46	99.10
825-26	98.72
821-05	89.33
814-15	89.30
820-15	86.96
811-14	79.66
825-18	77.22
820-24	72.67
827-21	72.42
821-22	59.48
813-36	59.27
823-30	55.25
817-48	54.51
829-31	45.57
817-04	44.30
822-06	44.27
830-32	37.87
820-46	36.89
814-16	36.14
817-01	35.90
816-33	34.96
825-27	29.28
816-02	28.00
824-26	23.70
824-28	22.81
828-1379	20.97

Feeders that are more than 300 percent greater than the system average in 2003-2004 period.

	Circuit	SAIDI
1	823-21	351.30
2	830-11	260.76
3	811-37	218.56
4	814-12	185.07
5	817-03	153.28
6	811-36	152.42

831-1347	20.49
828-1NA9	17.78
850-1NN3	13.76
829-20	13.28
828-1NC5	13.03
817-05	12.54
828-1369	11.00
817-08	10.69
850-1352	8.02
826-28	7.73
850-1NN2	7.03
822-27	6.16
823-23	5.66
814-14	3.40
822-22	2.01
826-20	1.68
827-07	1.63
831-1314	1.19
828-1339	0.63
831-1ND5	0.43
819-1NE4	0.23
812-16	0.00
812-24	0.00
813-13	0.00
814-13	0.00
814-17	0.00
815-10	0.00
816-04	0.00
817-06	0.00
819-1338	0.00
819-1398	0.00
819-1NA4	0.00
819-1NE6	0.00
821-24	0.00
822-21	0.00
824-25	0.00
824-27	0.00
827-18	0.00
827-19	0.00
827-31	0.00
828-1103	0.00
828-1104	0.00
828-1325	0.00
828-1NC8	0.00

828-1ND3	0.00								
829-29	0.00								
831-1304	0.00								
831-1394	0.00								
831-1NC6	0.00								
831-1ND4	0.00								
838-1353	0.00								
850-1322	0.00								
850-1345	0.00								
850-1359	0.00								
850-1367	0.00								

Information Request DTE-1-9

Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the SAIFI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system SAIFI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-3), calculate the annual SAIFI average for each of the prior four years. For each bulk power station (identified in response to DTE 1-4), calculate the annual SAIFI average for each of the prior four years.
Utilize the format specified in Information Response DTE 1-5.

Response

Please see Attachment DTE-1-9 and the CD-ROM provided with the cover letter accompanying this response for the requested information. Similar to the methodology used to respond to information request DTE-1-5, the Company has included SAIFI information relating to each of its power stations and has estimated the number of customers served by each power station during the years 2001 through 2003.

Description	2001	2002	2003	2004	Two Years 01-02	02-03	03-04
Cambridge Electric Light Company	0.659	0.697	0.456	0.621	0.679	0.577	0.539
Station 811	0.261	0.031	1.926	0.919			
812	0.140	0.638	0.091	1.139			
813	0.000	3.009	0.000	0.325			
814	0.691	0.411	1.242	1.343			
815	0.080	0.822	0.000	0.000			
816	0.330	0.478	0.281	0.000			
817	0.714	0.945	0.812	1.316			
819	0.001	0.003	0.001	0.000			
820	0.000	0.876	1.045	0.907			
821	0.000	0.624	0.000	0.482			
822	0.005	0.560	0.169	0.077			
823	1.548	2.540	1.115	0.632			
824	0.920	0.598	0.000	0.582			
825	0.546	0.554	0.040	1.136			
826	2.953	0.252	0.366	0.403			
827	0.376	1.981	0.615	0.000			
828	2.049	0.111	0.006	0.025			
829	0.000	0.240	0.137	0.000			
830	0.643	2.425	0.912	1.428			
831	3.406	0.096	0.082	0.002			
838	0.094	0.000	0.000	0.000			
850	0.002	0.010	0.023	0.002			
Circuit 811-14	0.000	0.425	0.466	0.534	0.212	0.445	0.500
811-36	0.001	0.006	1.848	0.922	0.003	0.927	1.385
811-37	2.300	0.000	3.736	1.070	1.150	1.936	2.403
811-47	0.000	0.000	0.000	1.071	0.000	0.000	0.536
812-16	0.000	0.997	0.000	0.000	0.498	0.498	0.000
812-24	0.000	0.995	0.000	0.000	0.497	0.497	0.000
812-37	0.420	0.000	0.253	3.199	0.210	0.136	1.726
813-13	0.000	9.240	0.000	0.000	4.620	4.620	0.000
813-36	0.000	0.000	0.000	0.806	0.000	0.000	0.403
814-12	0.367	0.792	1.856	1.169	0.580	1.348	1.512
814-13	0.961	0.961	0.000	0.000	0.961	0.481	0.000
814-14	0.971	0.286	0.000	0.786	0.629	0.143	0.393
814-15	0.700	0.000	0.874	2.136	0.350	0.430	1.505
814-16	1.086	0.000	0.723	1.308	0.543	0.356	1.015
814-17	1.000	0.000	0.000	0.000	0.500	0.000	0.000
815-10	0.082	0.914	0.000	0.000	0.498	0.457	0.000
816-02	0.643	0.849	0.549	0.000	0.746	0.699	0.274

Description	2001	2002	2003	2004	Two Years 01-02	02-03	03-04
816-04	1.000	5.519	0.000	0.000	3.259	2.759	0.000
816-33	0.000	1.457	1.457	0.000	0.728	1.457	0.728
817-01	0.178	0.858	0.311	0.614	0.518	0.585	0.462
817-02	2.048	0.916	1.861	0.000	1.482	1.388	0.931
817-03	0.514	0.000	1.053	0.000	0.257	0.536	0.526
817-04	0.000	1.607	1.041	0.000	0.804	1.324	0.520
817-05	0.000	0.979	0.342	0.001	0.490	0.661	0.172
817-06	0.000	0.994	0.000	0.000	0.497	0.497	0.000
817-08	0.000	3.378	0.013	0.717	1.689	1.695	0.365
817-09	0.000	0.834	0.834	0.357	0.417	0.834	0.596
817-46	0.000	0.969	0.455	7.741	0.484	0.712	4.098
817-48	3.162	0.112	0.951	0.000	1.637	0.531	0.475
819-1338	0.000	0.006	0.000	0.000	0.003	0.003	0.000
819-1398	0.000	0.100	0.000	0.000	0.050	0.050	0.000
819-1NA4	0.000	0.006	0.000	0.000	0.003	0.003	0.000
819-1NE4	0.000	0.000	0.006	0.000	0.000	0.003	0.003
819-1NE6	0.007	0.005	0.000	0.000	0.006	0.002	0.000
820-15	0.000	2.019	0.824	3.222	1.010	1.422	2.023
820-24	0.000	0.000	1.798	0.000	0.000	0.899	0.899
820-45	0.000	0.887	0.887	0.773	0.444	0.887	0.830
820-46	0.000	0.782	0.841	0.000	0.391	0.812	0.420
821-05	0.000	0.918	0.000	0.953	0.459	0.459	0.477
821-22	0.000	0.762	0.000	0.640	0.381	0.381	0.320
821-24	0.000	0.299	0.000	0.000	0.150	0.150	0.000
822-06	0.000	0.000	0.981	0.013	0.000	0.490	0.497
822-21	0.000	1.000	0.000	0.000	0.500	0.500	0.000
822-22	0.016	0.516	0.000	0.022	0.312	0.258	0.011
822-27	0.000	0.695	0.000	0.385	0.347	0.347	0.193
823-21	2.325	0.820	3.852	1.885	1.572	2.336	2.869
823-23	0.000	2.738	0.019	0.000	1.369	1.378	0.009
823-30	3.136	3.509	0.945	0.786	3.323	2.227	0.865
824-25	0.923	0.000	0.000	0.000	0.461	0.000	0.000
824-26	0.914	0.505	0.000	1.193	0.710	0.252	0.597
824-27	0.000	0.377	0.000	0.000	0.188	0.188	0.000
824-28	1.572	1.437	0.000	0.963	1.504	0.718	0.482
825-18	0.161	0.962	0.000	1.076	0.561	0.481	0.538
825-20	0.000	0.000	0.324	1.630	0.000	0.162	0.977
825-26	1.911	0.910	0.000	1.739	1.411	0.455	0.869
825-27	0.000	0.000	0.000	0.512	0.000	0.000	0.256
826-20	1.874	0.000	0.025	0.000	0.937	0.012	0.012
826-25	2.277	0.468	0.782	1.040	1.372	0.625	0.911
826-28	15.667	1.267	0.829	0.000	8.467	1.048	0.414

Description	2001	2002	2003	2004	Two Years		
					01-02	02-03	03-04
827-07	0.521	2.272	0.048	0.000	1.396	1.160	0.024
827-18	0.852	3.116	0.000	0.000	1.984	1.558	0.000
827-19	0.000	0.048	0.000	0.000	0.024	0.024	0.000
827-21	0.000	1.871	1.924	0.000	0.935	1.897	0.962
827-31	0.000	0.984	0.000	0.000	0.492	0.492	0.000
828-1103	18.316	1.000	0.000	0.000	9.658	0.500	0.000
828-1104	0.052	0.052	0.000	0.000	0.052	0.026	0.000
828-1325	0.008	0.000	0.000	0.000	0.004	0.000	0.000
828-1339	0.303	0.012	0.000	0.024	0.158	0.006	0.012
828-1369	0.000	0.000	0.000	1.000	0.000	0.000	0.500
828-1379	0.235	0.118	0.294	0.118	0.176	0.206	0.206
828-1NA9	0.000	0.000	0.000	0.350	0.000	0.000	0.175
828-1NC5	0.000	0.000	0.000	0.353	0.000	0.000	0.176
828-1NC8	0.111	0.111	0.000	0.000	0.111	0.056	0.000
828-1ND3	0.026	0.000	0.000	0.000	0.013	0.000	0.000
829-20	0.000	0.000	0.665	0.000	0.000	0.333	0.333
829-29	0.000	2.038	0.000	0.000	1.019	1.019	0.000
829-31	0.000	1.420	1.140	0.000	0.710	1.280	0.570
830-11	0.000	3.063	2.132	1.969	1.531	2.598	2.051
830-32	1.007	1.968	0.043	1.051	1.487	1.005	0.547
831-1304	0.000	1.000	0.000	0.000	0.500	0.500	0.000
831-1314	0.000	0.054	1.000	0.000	0.027	0.527	0.500
831-1347	0.000	0.000	0.183	0.000	0.000	0.091	0.091
831-1394	0.000	1.000	0.000	0.000	0.500	0.500	0.000
831-1NC6	0.016	0.000	0.000	0.000	0.008	0.000	0.000
831-1ND4	28.969	0.000	0.000	0.000	14.484	0.000	0.000
831-1ND5	0.000	0.000	0.000	0.021	0.000	0.000	0.010
838-1353	0.087	0.000	0.000	0.000	0.043	0.000	0.000
850-1322	0.000	0.121	0.000	0.000	0.061	0.061	0.000
850-1345	0.000	0.882	0.000	0.000	0.441	0.441	0.000
850-1352	0.000	0.000	0.233	0.000	0.000	0.117	0.117
850-1359	0.167	0.000	0.000	0.000	0.083	0.000	0.000
850-1367	0.008	0.000	0.000	0.000	0.004	0.000	0.000
850-1NN2	0.000	0.000	0.000	0.188	0.000	0.000	0.094
850-1NN3	0.000	0.000	0.216	0.000	0.000	0.108	0.108

Information Request DTE-1-10

Please provide a table, in an electronic EXCEL spreadsheet (formulas included) that identifies for each community the Company serves the SAIFI values for each of the prior four years (2001, 2002, 2003, and 2004) and by two consecutive reporting years. Utilize the format specified in Information Request DTE 1-6.

Response

Please see Attachment DTE-1-10 and the CD-ROM provided with the cover letter accompanying this response for the requested information.

Description	2001	2002	2003	2004		Two Years		
						01-02	02-03	03-04
Cambridge Electric Light Company	0.659	0.697	0.456	0.621		0.679	0.577	0.539

Information Request DTE-1-11

Given the information provided in response to DTE 1-9, provide a table, in an electronic EXCEL spreadsheet (formulas included), that ranks the 2003-2004 statistic to identify the highest (worst) ten percent of the utility's feeders.

Response

Please see Attachment DTE-1-11 and the CD-ROM provided with the cover letter accompanying this response for the requested information.

Circuit	SAIFI
817-46	4.098
823-21	2.869
811-37	2.403
830-11	2.051
820-15	2.023
812-37	1.726
814-12	1.512
814-15	1.505
811-36	1.385
814-16	1.015
825-20	0.977
827-21	0.962
817-02	0.931
826-25	0.911
820-24	0.899
825-26	0.869
823-30	0.865
820-45	0.830
816-33	0.728
824-26	0.597
817-09	0.596
829-31	0.570
830-32	0.547
825-18	0.538
811-47	0.536
817-03	0.526
817-04	0.520
811-14	0.500
828-1369	0.500
831-1314	0.500
822-06	0.497
824-28	0.482
821-05	0.477
817-48	0.475
817-01	0.462

Ranking of 2003-2004 statistics to identify the highest ten percent of utility's feeders.

	Circuit	SAIFI
1	817-46	4.098
2	823-21	2.869
3	811-37	2.403
4	830-11	2.051
5	820-15	2.023
6	812-37	1.726
7	814-12	1.512
8	814-15	1.505
9	811-36	1.385

820-46	0.420
826-28	0.414
813-36	0.403
814-14	0.393
817-08	0.365
829-20	0.333
821-22	0.320
816-02	0.274
825-27	0.256
828-1379	0.206
822-27	0.193
828-1NC5	0.176
828-1NA9	0.175
817-05	0.172
850-1352	0.117
850-1NN3	0.108
850-1NN2	0.094
831-1347	0.091
827-07	0.024
826-20	0.012
828-1339	0.012
822-22	0.011
831-1ND5	0.010
823-23	0.009
819-1NE4	0.003
812-16	0.000
812-24	0.000
813-13	0.000
814-13	0.000
814-17	0.000
815-10	0.000
816-04	0.000
817-06	0.000
819-1338	0.000
819-1398	0.000
819-1NA4	0.000
819-1NE6	0.000
821-24	0.000
822-21	0.000
824-25	0.000

824-27	0.000								
827-18	0.000								
827-19	0.000								
827-31	0.000								
828-1103	0.000								
828-1104	0.000								
828-1325	0.000								
828-1NC8	0.000								
828-1ND3	0.000								
829-29	0.000								
831-1304	0.000								
831-1394	0.000								
831-1NC6	0.000								
831-1ND4	0.000								
838-1353	0.000								
850-1322	0.000								
850-1345	0.000								
850-1359	0.000								
850-1367	0.000								

Information Request DTE-1-12

Given the information provided in response to DTE 1-9, provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies all feeders that are more than 300 percent greater than the system average of all feeders in the 2003-2004 period.

Response

Please see Attachment DTE-1-12 and the CD-ROM provided with the cover letter accompanying this response for the requested information.

		Two Year Period	
		03-04	300% greater
Cambridge Electric Light Company		0.54	**1.62**
Circuit	SAIFI		
817-46	4.098		
823-21	2.869		
811-37	2.403		
830-11	2.051		
820-15	2.023		
812-37	1.726		
814-12	1.512		
814-15	1.505		
811-36	1.385		
814-16	1.015		
825-20	0.977		
827-21	0.962		
817-02	0.931		
826-25	0.911		
820-24	0.899		
825-26	0.869		
823-30	0.865		
820-45	0.830		
816-33	0.728		
824-26	0.597		
817-09	0.596		
829-31	0.570		
830-32	0.547		
825-18	0.538		
811-47	0.536		
817-03	0.526		
817-04	0.520		
811-14	0.500		
828-1369	0.500		
831-1314	0.500		
822-06	0.497		
824-28	0.482		
821-05	0.477		
817-48	0.475		
817-01	0.462		
820-46	0.420		

Feeders that are more than 300 percent greater than the system average in 2003-2004 period.

	Circuit	SAIFI
1	817-46	4.098
2	823-21	2.869
3	811-37	2.403
4	830-11	2.051
5	820-15	2.023
6	812-37	1.726

826-28	0.414
813-36	0.403
814-14	0.393
817-08	0.365
829-20	0.333
821-22	0.320
816-02	0.274
825-27	0.256
828-1379	0.206
822-27	0.193
828-1NC5	0.176
828-1NA9	0.175
817-05	0.172
850-1352	0.117
850-1NN3	0.108
850-1NN2	0.094
831-1347	0.091
827-07	0.024
826-20	0.012
828-1339	0.012
822-22	0.011
831-1ND5	0.010
823-23	0.009
819-1NE4	0.003
812-16	0.000
812-24	0.000
813-13	0.000
814-13	0.000
814-17	0.000
815-10	0.000
816-04	0.000
817-06	0.000
819-1338	0.000
819-1398	0.000
819-1NA4	0.000
819-1NE6	0.000
821-24	0.000
822-21	0.000
824-25	0.000
824-27	0.000
827-18	0.000

827-19	0.000							
827-31	0.000							
828-1103	0.000							
828-1104	0.000							
828-1325	0.000							
828-1NC8	0.000							
828-1ND3	0.000							
829-29	0.000							
831-1304	0.000							
831-1394	0.000							
831-1NC6	0.000							
831-1ND4	0.000							
838-1353	0.000							
850-1322	0.000							
850-1345	0.000							
850-1359	0.000							
850-1367	0.000							

Information Request DTE-1-13

Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the CAIDI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system CAIDI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-3), calculate the annual CAIDI average for each of the prior four years. For each bulk power station (identified in response to DTE 1-4), calculate the annual CAIDI average for each of the prior four years.
Utilize the formula specified in Information Response DTE 1-5.

Response

Please see Attachment DTE-1-13 and the CD-ROM provided with the cover letter accompanying this response for the requested information.

Description			2001	2002	2003	2004	Two Years 01-02	02-03	03-04
Cambridge Electric Light Company			56.54	94.78	105.67	79.35	76.90	99.06	90.42
Station	811		97.74	237.72	97.43	133.28			
	812		84.17	48.18	121.00	53.28			
	813		0.00	131.00	0.00	147.00			
	814		10.23	41.63	108.57	73.66			
	815		164.84	102.50	0.00	0.00			
	816		108.73	93.55	96.58	0.00			
	817		74.99	107.75	125.64	37.56			
	819		106.00	148.50	80.50	0.00			
	820		0.00	24.19	102.43	60.21			
	821		0.00	65.02	0.00	186.86			
	822		53.00	150.60	50.00	137.71			
	823		41.57	80.25	117.80	89.37			
	824		131.31	216.14	0.00	42.79			
	825		36.50	58.01	20.50	132.13			
	826		97.04	61.66	109.47	127.42			
	827		53.70	95.58	75.14	0.00			
	828		76.30	71.44	118.00	75.35			
	829		0.00	67.97	51.93	0.00			
	830		66.22	127.82	101.40	117.31			
	831		1.12	86.55	54.33	41.50			
	838		350.50	0.00	0.00	0.00			
	850		80.00	107.16	79.60	75.00			
	Circuit	811-14	0.00	273.45	84.00	225.00	273.45	174.35	159.33
		811-36	610.00	16.20	105.08	120.00	115.17	104.82	110.05
		811-37	95.88	0.00	71.72	158.12	95.88	71.72	90.95
		811-47	0.00	0.00	0.00	225.00	0.00	0.00	225.00
		812-16	0.00	36.03	0.00	0.00	36.03	36.03	0.00
		812-24	0.00	62.00	0.00	0.00	62.00	62.00	0.00
		812-37	84.17	0.00	121.00	53.28	84.17	121.00	58.25
		813-13	0.00	131.00	0.00	0.00	131.00	131.00	0.00
		813-36	0.00	0.00	0.00	147.00	0.00	0.00	147.00
		814-12	6.00	31.91	132.37	106.49	23.70	104.17	122.37
		814-13	6.00	93.00	0.00	0.00	49.50	93.00	0.00
		814-14	6.00	60.00	0.00	8.65	18.27	60.00	8.65
		814-15	6.00	0.00	79.99	50.88	6.00	79.99	59.33
		814-16	18.51	0.00	3.04	53.57	18.51	3.04	35.59
		814-17	6.00	0.00	0.00	0.00	6.00	0.00	0.00
		815-10	164.84	102.50	0.00	0.00	107.65	102.50	0.00
		816-02	107.19	102.50	102.00	0.00	104.52	102.30	102.00

Description	2001	2002	2003	2004	Two Years		
					01-02	02-03	03-04
816-04	149.00	79.00	0.00	0.00	89.74	79.00	0.00
816-33	0.00	2.00	48.00	0.00	2.00	25.00	48.00
817-01	162.92	131.00	165.14	33.36	136.49	140.08	77.66
817-02	106.00	65.00	128.32	0.00	93.33	107.44	128.32
817-03	51.00	0.00	291.24	0.00	51.00	291.24	291.24
817-04	0.00	75.12	85.10	0.00	75.12	79.05	85.10
817-05	0.00	74.00	33.62	9187.00	74.00	63.56	73.08
817-06	0.00	74.00	0.00	0.00	74.00	74.00	0.00
817-08	0.00	70.72	607.00	18.92	70.72	72.75	29.30
817-09	0.00	387.55	123.00	358.38	387.55	255.28	193.59
817-46	0.00	31.47	17.51	24.58	31.47	27.00	24.18
817-48	17.99	69.00	114.68	0.00	19.74	109.85	114.68
819-1338	0.00	117.00	0.00	0.00	117.00	117.00	0.00
819-1398	0.00	75.00	0.00	0.00	75.00	75.00	0.00
819-1NA4	0.00	353.50	0.00	0.00	353.50	353.50	0.00
819-1NE4	0.00	0.00	80.50	0.00	0.00	80.50	80.50
819-1NE6	106.00	69.50	0.00	0.00	91.40	69.50	0.00
820-15	0.00	55.03	6.57	52.29	55.03	40.98	42.98
820-24	0.00	0.00	80.82	0.00	0.00	80.82	80.82
820-45	0.00	2.00	168.00	74.47	2.00	85.00	124.45
820-46	0.00	2.00	87.73	0.00	2.00	46.41	87.73
821-05	0.00	124.00	0.00	187.44	124.00	124.00	187.44
821-22	0.00	4.94	0.00	186.00	4.94	4.94	186.00
821-24	0.00	43.66	0.00	0.00	43.66	43.66	0.00
822-06	0.00	0.00	50.00	2928.43	0.00	50.00	89.05
822-21	0.00	70.16	0.00	0.00	70.16	70.16	0.00
822-22	53.00	254.35	0.00	184.20	250.19	254.35	184.20
822-27	0.00	88.00	0.00	32.00	88.00	88.00	32.00
823-21	88.56	16.00	115.34	137.00	69.65	97.91	122.45
823-23	0.00	134.21	604.00	0.00	134.21	137.40	604.00
823-30	17.09	23.47	109.44	9.05	20.46	41.71	63.86
824-25	144.47	0.00	0.00	0.00	144.47	0.00	0.00
824-26	277.07	50.41	0.00	39.72	196.44	50.41	39.72
824-27	0.00	177.53	0.00	0.00	177.53	177.53	0.00
824-28	22.72	296.97	0.00	47.35	153.70	296.97	47.35
825-18	123.00	43.00	0.00	143.56	54.46	43.00	143.56
825-20	0.00	0.00	20.50	161.00	0.00	20.50	137.72
825-26	25.50	82.00	0.00	113.56	43.72	82.00	113.56
825-27	0.00	0.00	0.00	114.43	0.00	0.00	114.43
826-20	47.66	0.00	136.00	0.00	47.66	136.00	136.00
826-25	134.36	37.10	122.15	127.42	117.78	90.30	125.15
826-28	114.31	125.00	18.67	0.00	115.11	82.95	18.67

Description	2001	2002	2003	2004	Two Years		
					01-02	02-03	03-04
827-07	59.29	150.02	68.00	0.00	133.10	148.32	68.00
827-18	50.55	47.59	0.00	0.00	48.22	47.59	0.00
827-19	0.00	200.90	0.00	0.00	200.90	200.90	0.00
827-21	0.00	114.81	75.28	0.00	114.81	94.77	75.28
827-31	0.00	17.73	0.00	0.00	17.73	17.73	0.00
828-1103	65.86	64.00	0.00	0.00	65.77	64.00	0.00
828-1104	68.50	139.00	0.00	0.00	103.75	139.00	0.00
828-1325	74.33	0.00	0.00	0.00	74.33	0.00	0.00
828-1339	339.00	137.50	0.00	52.00	331.25	137.50	52.00
828-1369	0.00	0.00	0.00	22.00	0.00	0.00	22.00
828-1379	637.75	165.00	118.00	61.50	480.17	131.43	101.86
828-1NA9	0.00	0.00	0.00	101.57	0.00	0.00	101.57
828-1NC5	0.00	0.00	0.00	73.83	0.00	0.00	73.83
828-1NC8	43.00	70.50	0.00	0.00	56.75	70.50	0.00
828-1ND3	42.00	0.00	0.00	0.00	42.00	0.00	0.00
829-20	0.00	0.00	39.92	0.00	0.00	39.92	39.92
829-29	0.00	57.25	0.00	0.00	57.25	57.25	0.00
829-31	0.00	108.00	79.95	0.00	108.00	95.51	79.95
830-11	0.00	126.69	92.21	164.97	126.69	112.54	127.14
830-32	66.22	129.05	420.77	54.93	107.79	135.27	69.27
831-1304	0.00	71.50	0.00	0.00	71.50	71.50	0.00
831-1314	0.00	80.63	2.39	0.00	80.63	6.43	2.39
831-1347	0.00	0.00	224.00	0.00	0.00	224.00	224.00
831-1394	0.00	86.91	0.00	0.00	86.91	86.91	0.00
831-1NC6	41.33	0.00	0.00	0.00	41.33	0.00	0.00
831-1ND4	1.10	0.00	0.00	0.00	1.10	0.00	0.00
831-1ND5	0.00	0.00	0.00	41.50	0.00	0.00	41.50
838-1353	350.50	0.00	0.00	0.00	350.50	0.00	0.00
850-1322	0.00	99.50	0.00	0.00	99.50	99.50	0.00
850-1345	0.00	109.20	0.00	0.00	109.20	109.20	0.00
850-1352	0.00	0.00	68.71	0.00	0.00	68.71	68.71
850-1359	86.00	0.00	0.00	0.00	86.00	0.00	0.00
850-1367	74.00	0.00	0.00	0.00	74.00	0.00	0.00
850-1NN2	0.00	0.00	0.00	75.00	0.00	0.00	75.00
850-1NN3	0.00	0.00	127.25	0.00	0.00	127.25	127.25

Information Request DTE-1-14

Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the MAIFI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system MAIFI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-3), calculate the annual MAIFI average for each of the prior four years. For each bulk power station (identified in response to DTE 1-4), calculate the annual MAIFI average for each of the prior four years.
Utilize the formula specified in Information Response DTE 1-5.

Response

The technology utilized by the Company to measure system reliability does not allow the Company to produce MAIFI data.

Information Request DTE-1-15

Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that both identifies and summarizes for each of the prior four years (2001, 2002, 2003, and 2004) by system, by district, by bulk power station, by feeder the annual capital investment approved as well as capital investment completed in the Company's transmission and distribution infrastructure.
Utilize the following format.

Year: 200x

Description	Capital Investment Approved	Capital Investment Completed
System		
District Annual Average		
Bulk Power Station Annual Average		
"		
District Annual Average		
Bulk Power Station Annual Average		
"		
Statistics by individual feeders		
Circuit ID, location		
"		

Response

Please see the Company's response to information request DTE-1-16.

Information Request DTE-1-16

Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each community the Company serves for each of the prior four years (2001, 2002, 2003, and 2004) the annual capital investment approved and capital investment completed in the Company's transmission and distribution infrastructure. Utilize the following format.

Year: 200x

Description	Capital Investment Approved	Capital Investment Completed
System		
Community name		
"		

Response

Please note that the Company does not plan or implement its capital investments by community. The electric facilities that comprise the Company's distribution system are planned and designed from an operational perspective so that facilities located in one community may serve customers in several other communities. For example, a substation located in Waltham will serve customers located in adjacent or nearby communities, such as Watertown. Therefore, budgeted and actual costs for capital programs and projects are not generally tracked by the company at the community level.

Therefore, to respond to the Department's request, the Company has consulted accounting records that reflect gross additions to taxable personal property by district and community that are reported to municipalities on an annual basis for property tax purposes. A summary of this information is provided as Attachment DTE-1-16. This information captures capital investment made in local communities because, as short term or multi-year projects are completed, the capital additions become utility "plant in service" for tax purposes.

Cambridge Electric Light Company - Capital Investment by District

Cambridge District

Town	Year 2000 Additions	Year 2001 Additions	Year 2002 Additions	Year 2003 Additions	Year 2004 Additions
Cambridge	$ 1,533,364	$ 1,759,289	$ 4,639,439	$ 8,464,629	$ 8,471,929
Total Cambridge District	**$ 1,533,364**	**$ 1,759,289**	**$ 4,639,439**	**$ 8,464,629**	**$ 8,471,929**