

**COMMONWEALTH OF VIRGINIA  
STATE CORPORATION COMMISSION**

**ELECTRIC UTILITY RESIDENTIAL RATE COMPARISON**

**NORTHERN AND SOUTHERN STATES**

**FOR THE YEARS 1998 - 2002**

**JANUARY 7, 2003**

Exhibit 1

**Residential Rate Ranking  
By State**

<u>2002 Ranking</u>	<u>1998 Ranking</u>	<u>State</u>	<u>2002 Total Cents/kWh</u>	<u>1998 Total Cents/kWh</u>
<b>Northern States</b>				
1	3	New York	12.847	11.248
2	1	Maine	12.662	13.232
3	5	Massachusetts	10.889	10.361
4	4	Pennsylvania	10.849	10.567
5	2	New Jersey	10.672	11.898
6	6	Delaware	8.598	9.508
13	10	Maryland	6.724	7.190
<b>Northern Average</b>			<b><u>10.463</u></b>	<b><u>10.572</u></b>
<b>Southern States</b>				
7	8	South Carolina	8.086	7.887
8	9	North Carolina	8.081	7.782
9	7	Florida	7.685	7.897
10	12	Alabama	7.556	6.969
11	13	Georgia	7.187	6.731
12	11	Virginia	6.967	7.021
14	14	West Virginia	6.269	6.334
15	15	Kentucky	5.051	5.119
<b>Southern Average</b>			<b><u>7.110</u></b>	<b><u>6.967</u></b>

## Residential Rate Ranking By Utility

<u>2002 Ranking</u>	<u>1998 Ranking</u>	<u>State</u>	<u>Utility</u>	<u>2002 Total Cents/kWh</u>	<u>1998 Total Cents/kWh</u>
1	5	New York	Consolidated Edison Electric Co.	13.833	11.590
2	3	Pennsylvania	PECO Energy Co.	13.270	12.560
3	2	Maine	Maine Public Service Co.	13.129	12.674
4	6	Massachusetts	Boston Electric	12.712	11.569
5	1	Maine	Central Maine Power Co.	12.195	13.791
6	8	New York	Niagara Mohawk	11.860	10.906
7	7	New Jersey	Jersey Central Power and Light Co.	10.762	11.542
8	4	New Jersey	Atlantic City Electric Company	10.582	12.254
9	10	Massachusetts	Massachusetts Electric Co.	9.066	9.154
10	9	Delaware	Delmarva Power and Light Co. - Delaware	8.598	9.508
11	11	Pennsylvania	Pennsylvania Power and Light Co.	8.427	8.574
12	15	South Carolina	Carolina Power and Light – So. Carolina	8.351	8.020
13	16	North Carolina	Virginia Electric and Power Company - N.C.	8.269	7.883
14	13	Virginia	Virginia Electric and Power Company - VA	8.251	8.109
15	17	South Carolina	South Carolina Electric and Gas	8.191	7.875
16	24	Georgia	Savannah Electric	8.121	6.782
17	19	North Carolina	Carolina Power and Light Co. – No. Carolina	8.114	7.740
18	18	North Carolina	Duke Power – No. Carolina	7.861	7.724
19	12	Florida	Florida Power	7.824	8.358
20	18	South Carolina	Duke Power – So. Carolina	7.715	7.765
21	23	Alabama	Alabama Power	7.556	6.969
22	21	Florida	Florida Power and Light	7.545	7.436
23	14	Maryland	Baltimore Gas and Electric Co.	7.345	8.025
24	22	West Virginia	Monongahela Power	7.009	7.152
25	25	Georgia	Georgia Power	6.254	6.680
26	26	Maryland	Potomac Electric Power Co.	6.103	6.356
27	27	Virginia	Appalachian Power Co. – Virginia	5.682	5.932
28	29	West Virginia	Appalachian Power Co. – West Virginia	5.528	5.516
29	28	Kentucky	Louisville Gas and Electric	5.405	5.655
30	30	Kentucky	Kentucky Utilities	4.697	4.582
<b>Average Rate</b>				<b><u>8.675</u></b>	<b><u>8.623</u></b>

**Residential Rate Comparison  
Northern States from 1998 to 2002  
Based on 1000 Kwh Usage**

State/Company	Year	Dollars				Cents/Kwh				% Change from 1998	% Change Generation	% Change Distribution
		Distr. & Trans. Charge	Transition Charge	Generation Charge	Bundled Charge	Distr. & Trans. Rate	Transition Rate	Generation Rate	Bundled Rate			
<b>Maine</b>												
Central Maine Power Company	2002	72.45	0.00	49.50	121.95	7.245	0.000	4.950	12.195	-11.57%	21.06%	-7.60%
	2001	79.88	0.00	40.89	120.77	7.988	0.000	4.089	12.077			
	2000	78.41	0.00	40.89	119.30	7.841	0.000	4.089	11.930			
	1999	0.00	0.00	0.00	137.91	0.000	0.000	0.000	13.791			
	1998	0.00	0.00	0.00	137.91	0.000	0.000	0.000	13.791			
Maine Public Service Company	2002	74.40	0.00	56.89	131.29	7.440	0.000	5.689	13.129	3.59%	32.59%	1.08%
	2001	73.60	0.00	55.77	129.37	7.360	0.000	5.577	12.937			
	2000	73.60	0.00	42.91	116.51	7.360	0.000	4.291	11.651			
	1999	0.00	0.00	0.00	126.74	0.000	0.000	0.000	12.674			
	1998	0.00	0.00	0.00	126.74	0.000	0.000	0.000	12.674			
<b>Massachusetts</b>												
Massachusetts Electric Co.	2002	36.88	11.78	42.00	90.66	3.688	1.178	4.200	9.066	-0.96%	31.25%	6.37%
	2001	42.12	11.11	54.01	107.24	4.212	1.111	5.401	10.724			
	2000	38.11	16.01	38.00	92.12	3.811	1.601	3.800	9.212			
	1999	37.81	16.51	37.10	91.42	3.781	1.651	3.710	9.142			
	1998	34.67	24.87	32.00	91.54	3.467	2.487	3.200	9.154			
Boston Electric	2002	70.74	0.00	56.38	127.12	7.074	0.000	5.638	12.712	9.88%	63.66%	-12.92%
	2001	71.36	0.00	75.68	147.04	7.136	0.000	7.568	14.704			
	2000	72.05	0.00	68.00	140.05	7.205	0.000	6.800	14.005			
	1999	82.57	0.00	40.95	123.52	8.257	0.000	4.095	12.352			
	1998	81.24	0.00	34.45	115.69	8.124	0.000	3.445	11.569			

**Residential Rate Comparison  
Northern States from 1998 to 2002  
Based on 1000 Kwh Usage**

	Year	Dollars				Cents/Kwh				% Change from 1998	% Change Generation	% Change Distribution
		Distr. & Trans. Charge	Transition Charge	Generation Charge	Bundled Charge	Distr. & Trans. Rate	Transition Rate	Generation Rate	Bundled Rate			
<b>New York</b>												
Consolidated Edison Company	2002	56.41	5.68	76.24	138.33	5.641	0.568	7.624	13.833	19.35%	24.48%	-11.90%
	2001	57.45	7.60	70.50	135.55	5.745	0.760	7.050	13.555			
	2000	63.09	13.50	80.10	156.69	6.309	1.350	8.010	15.669			
	1999	64.03	1.00	61.25	126.28	6.403	0.100	6.125	12.628			
	1998	0.00	0.00	0.00	115.90	0.000	0.000	0.000	11.590			
Niagara Mohawk	2002	53.54	27.42	37.64	118.60	5.354	2.742	3.764	11.860	8.75%	25.01%	4.80%
	2001	18.64	26.48	63.38	108.50	1.864	2.648	6.338	10.850			
	2000	51.09	29.64	30.11	110.84	5.109	2.964	3.011	11.084			
	1999	0.00	0.00	0.00	114.55	0.000	0.000	0.000	11.455			
	1998	0.00	0.00	0.00	109.06	0.000	0.000	0.000	10.906			
<b>New Jersey</b>												
Jersey Central Power & Light	2002	43.15	11.87	52.61	107.62	4.315	1.187	5.261	10.762	-6.76%	8.17%	-5.70%
	2001	45.62	13.77	51.29	110.68	4.562	1.377	5.129	11.068			
	2000	45.62	15.51	50.74	111.87	4.562	1.551	5.074	11.187			
	1999	45.76	15.89	48.63	110.28	4.576	1.589	4.863	11.028			
	1998	0.00	0.00	0.00	115.42	0.000	0.000	0.000	11.542			
Atlantic City Electric Company	2002	66.81	1.77	37.23	105.82	6.681	0.177	3.723	10.582	-13.65%	-10.74%	-2.71%
	2001	69.99	1.23	38.51	109.73	6.999	0.123	3.851	10.973			
	2000	68.67	0.40	41.71	110.79	6.867	0.040	4.171	11.079			
	1999	0.00	0.00	0.00	121.80	0.000	0.000	0.000	12.180			
	1998	0.00	0.00	0.00	122.54	0.000	0.000	0.000	12.254			

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		Distr. & Trans. Charge	Transition Charge	Generation Charge	Bundled Charge	Distr. & Trans. Rate	Transition Rate	Generation Rate	Bundled Rate			
<b>Pennsylvania</b>												
PECO Energy Company	2002	52.50	27.50	52.70	132.70	5.250	2.750	5.270	13.270	5.65%	5.40%	-9.79%
	2001	56.30	27.10	50.20	133.60	5.630	2.710	5.020	13.360			
	2000	56.30	19.60	50.00	125.90	5.630	1.960	5.000	12.590			
	1999	56.30	18.20	50.00	124.50	5.630	1.820	5.000	12.450			
	1998	58.20	17.40	50.00	125.60	5.820	1.740	5.000	12.560			
Pennsylvania Power and Light Co.	2002	26.34	14.24	43.69	84.27	2.634	1.424	4.369	8.427	-1.71%	11.26%	0.00%
	2001	26.34	16.91	43.03	86.28	2.634	1.691	4.303	8.628			
	2000	26.34	16.11	42.85	85.30	2.634	1.611	4.285	8.530			
	1999	26.34	27.93	39.27	93.54	2.634	2.793	3.927	9.354			
	1998	0.00	0.00	0.00	85.74	0.000	0.000	0.000	8.574			
<b>Maryland</b>												
Baltimore Gas & Electric	2002	34.99	5.80	32.66	73.45	3.499	0.580	3.266	7.345	-8.47%	7.29%	-0.09%
	2001	35.02	6.90	31.54	73.46	3.502	0.690	3.154	7.346			
	2000	35.02	8.00	30.44	73.46	3.502	0.800	3.044	7.346			
	1999	0.00	0.00	0.00	80.25	0.000	0.000	0.000	8.025			
	1998	0.00	0.00	0.00	80.25	0.000	0.000	0.000	8.025			
Potomac Electric Power Co.	2002	29.31	0.00	31.72	61.03	2.931	0.000	3.172	6.103	-3.97%	0.00%	0.00%
	2001	29.31	0.00	31.72	61.03	2.931	0.000	3.172	6.103			
	2000	29.31	0.00	31.72	61.03	2.931	0.000	3.172	6.103			
	1999	0.00	0.00	0.00	67.13	0.000	0.000	0.000	6.713			
	1998	0.00	0.00	0.00	63.56	0.000	0.000	0.000	6.356			
<b>Delaware</b>												
Delmarva Power and Light Co.	2002	46.87	0.00	39.12	85.98	4.687	0.000	3.912	8.598	-9.57%	0.00%	0.00%
	2001	46.87	0.00	39.12	85.98	4.687	0.000	3.912	8.598			
	2000	46.87	0.00	39.12	85.98	4.687	0.000	3.912	8.598			
	1999	0.00	0.00	0.00	89.77	0.000	0.000	0.000	8.977			
	1998	0.00	0.00	0.00	95.08	0.000	0.000	0.000	9.508			

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State/Utility	Year	Dollars				Cents/Kwh				% Change from 1998	% Change Generation	% Change Distribution
		Distr. & Trans. Charge	Transition Charge	Generation Charge	Bundled Charge	Distr. & Trans. Rate	Transition Rate	Generation Rate	Bundled Rate			
<b>Virginia</b>												
Appalachian Power Company (Note 4)	2002	26.58	0.00	30.24	56.82	2.658	0.000	3.024	5.682	-4.22%		
	2001	0.00	0.00	0.00	56.82	0.000	0.000	0.000	5.682			
	2000	0.00	0.00	0.00	57.89	0.000	0.000	0.000	5.789			
(Note 3)	1999	0.00	0.00	0.00	59.32	0.000	0.000	0.000	5.932			
	1998	0.00	0.00	0.00	59.32	0.000	0.000	0.000	5.932			
Virginia Electric and Power Co. (Note 4)	2002	27.38	0.00	55.12	82.51	2.738	0.000	5.512	8.251	1.75%		
	2001	0.00	0.00	0.00	82.51	0.000	0.000	0.000	8.251			
	2000	0.00	0.00	0.00	80.68	0.000	0.000	0.000	8.068			
(Note 2) (Note 3)	1999	0.00	0.00	0.00	78.81	0.000	0.000	0.000	7.881			
(Note 1)	1998	0.00	0.00	0.00	81.09	0.000	0.000	0.000	8.109			

**Residential Rate Comparisons**  
**Southern States from 1998 to 2002**  
**Based on 1000 Kwh Usage**

<u>State/Company</u>	<u>Year</u>	<u>Dollars</u>			<u>Cents/Kwh</u>			<u>% Change from 1998</u>	<u>% Change Base Rates</u>	<u>% Change Fuel Rates</u>
		<u>Base Rate Charges</u>	<u>Fuel Charges</u>	<u>Total Charges</u>	<u>Base Rate Charges</u>	<u>Fuel Charges</u>	<u>Total Charges</u>			
<b>Virginia</b>										
Appalachian Power	2002	43.72	13.10	56.82	4.372	1.310	5.682	-4.21%	-1.75%	-11.61%
	2001	43.72	13.10	56.82	4.372	1.310	5.682			
	2000	44.50	13.39	57.89	4.450	1.339	5.789			
	1999	44.50	14.82	59.32	4.450	1.482	5.932			
	1998	44.50	14.82	59.32	4.450	1.482	5.932			
Virginia Electric and Power Co.	2002	66.38	16.13	82.51	6.638	1.613	8.251	1.75%	-5.96%	53.62%
	2001	66.38	16.13	82.51	6.638	1.613	8.251			
	2000	67.29	13.39	80.68	6.729	1.339	8.068			
	1999	67.29	11.52	78.81	6.729	1.152	7.881			
	1998	70.59	10.50	81.09	7.059	1.050	8.109			
<b>West Virginia</b>										
Appalachian Power Company	2002	40.55	14.73	55.28	4.055	1.473	5.528	0.22%	7.22%	-15.05%
	2001	40.55	14.73	55.28	4.055	1.473	5.528			
	2000	40.55	14.73	55.28	4.055	1.473	5.528			
	1999	37.82	17.34	55.16	3.782	1.734	5.516			
	1998	37.82	17.34	55.16	3.782	1.734	5.516			
Monongahela Power	2002	54.96	15.13	70.09	5.496	1.513	7.009	-2.00%	-2.54%	0.00%
	2001	55.64	15.13	70.77	5.564	1.513	7.077			
	2000	56.31	15.13	71.44	5.631	1.513	7.144			
	1999	56.39	15.13	71.52	5.639	1.513	7.152			
	1998	56.39	15.13	71.52	5.639	1.513	7.152			



**Residential Rate Comparisons  
Southern States from 1998 to 2002  
Based on 1000 Kwh Usage**

<u>State/Company</u>	<u>Year</u>	<u>Dollars</u>			<u>Cents/Kwh</u>			<u>% Change from 1998</u>	<u>% Change Base Rates</u>	<u>% Change Fuel Rates</u>
		<u>Base Rate Charges</u>	<u>Fuel Charges</u>	<u>Total Charges</u>	<u>Base Rate Charges</u>	<u>Fuel Charges</u>	<u>Total Charges</u>			
<b>Kentucky</b>										
Kentucky Utilities	2002	30.89	16.08	46.97	3.089	1.608	4.697	2.51%	-8.39%	32.89%
	2001	30.89	13.11	44.00	3.089	1.311	4.400			
	2000	30.34	11.89	42.23	3.034	1.189	4.223			
	1999	30.77	12.21	42.98	3.077	1.221	4.298			
	1998	33.72	12.10	45.82	3.372	1.210	4.582			
Louisville Gas & Electric	2002	41.45	12.60	54.05	4.145	1.260	5.405	-4.42%	-8.78%	13.41%
	2001	39.73	9.80	49.53	3.973	0.980	4.953			
	2000	41.86	9.80	51.66	4.186	0.980	5.166			
	1999	41.71	11.19	52.90	4.171	1.119	5.290			
	1998	45.44	11.11	56.55	4.544	1.111	5.655			
<b>North Carolina</b>										
Duke Power	2002	68.73	9.88	78.61	6.873	0.988	7.861	1.78%	1.07%	6.99%
	2001	69.20	9.41	78.61	6.920	0.941	7.861			
	2000	69.08	9.04	78.12	6.908	0.904	7.812			
	1999	68.50	9.24	77.74	6.850	0.924	7.774			
	1998	68.00	9.24	77.24	6.800	0.924	7.724			
Carolina Power & Lt.	2002	66.28	14.86	81.14	6.628	1.486	8.114	4.83%	0.05%	33.27%
	2001	66.33	13.53	79.86	6.633	1.353	7.986			
	2000	66.28	11.98	78.26	6.628	1.198	7.826			
	1999	66.25	11.15	77.40	6.625	1.115	7.740			
	1998	66.25	11.15	77.40	6.625	1.115	7.740			
Virginia Electric and Power Co.	2002	69.84	12.85	82.69	6.984	1.285	8.269	4.90%	0.00%	42.94%
	2001	69.84	12.07	81.91	6.984	1.207	8.191			
	2000	69.84	11.07	80.91	6.984	1.107	8.091			
	1999	69.84	9.41	79.25	6.984	0.941	7.925			
	1998	69.84	8.99	78.83	6.984	0.899	7.883			

**Residential Rate Comparisons  
Southern States from 1998 to 2002  
Based on 1000 Kwh Usage**

<u>State/Company</u>	<u>Year</u>	<u>Dollars</u>			<u>Cents/Kwh</u>			<u>% Change from 1998</u>	<u>% Change Base Rates</u>	<u>% Change Fuel Rates</u>
		<u>Base Rate Charges</u>	<u>Fuel Charges</u>	<u>Total Charges</u>	<u>Base Rate Charges</u>	<u>Fuel Charges</u>	<u>Total Charges</u>			
<b>South Carolina</b>										
Duke Power	2002	67.65	9.50	77.15	6.765	0.950	7.715	-0.64%	0.00%	-5.00%
	2001	67.65	9.50	77.15	6.765	0.950	7.715			
	2000	67.65	9.50	77.15	6.765	0.950	7.715			
	1999	67.65	10.00	77.65	6.765	1.000	7.765			
	1998	67.65	10.00	77.65	6.765	1.000	7.765			
Carolina Power & Lt.	2002	68.80	14.71	83.51	6.880	1.471	8.351	4.13%	-0.26%	31.11%
	2001	68.80	15.17	83.97	6.880	1.517	8.397			
	2000	68.79	12.65	81.44	6.879	1.265	8.144			
	1999	68.79	11.22	80.01	6.879	1.122	8.001			
	1998	68.98	11.22	80.20	6.898	1.122	8.020			
S. Carolina Electric & Gas	2002	64.69	17.22	81.91	6.469	1.722	8.191	4.01%	-1.84%	34.01%
	2001	64.68	15.79	80.47	6.468	1.579	8.047			
	2000	64.67	13.30	77.97	6.467	1.330	7.797			
	1999	64.67	13.37	78.04	6.467	1.337	7.804			
	1998	65.90	12.85	78.75	6.590	1.285	7.875			
<b>Alabama</b>										
Alabama Power	2002	60.38	15.18	75.56	6.038	1.518	7.556	8.42%	8.42%	8.43%
	2001	57.28	17.88	75.16	5.728	1.788	7.516			
	2000	56.95	15.50	72.45	5.695	1.550	7.245			
	1999	56.95	14.00	70.95	5.695	1.400	7.095			
	1998	55.69	14.00	69.69	5.569	1.400	6.969			

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<b>Georgia</b>										
Georgia Power	2002	45.64	16.90	62.54	4.564	1.690	6.254	-6.37%	-13.81%	22.04%
	2001	49.92	16.71	66.63	4.992	1.671	6.663			
	2000	49.92	14.96	64.88	4.992	1.496	6.488			
	1999	49.92	13.87	63.79	4.992	1.387	6.379			
	1998	52.95	13.85	66.80	5.295	1.385	6.680			
Savannah Electric	2002	52.04	29.17	81.21	5.204	2.917	8.121	19.74%	11.48%	37.98%
	2001	46.03	40.57	86.60	4.603	4.057	8.660			
	2000	46.03	27.99	74.02	4.603	2.799	7.402			
	1999	46.68	24.45	71.13	4.668	2.445	7.113			
	1998	46.68	21.14	67.82	4.668	2.114	6.782			
<b>Florida</b>										
Florida Power	2002	54.57	23.67	78.24	5.457	2.367	7.824	-6.39%	-12.44%	11.34%
	2001	62.22	28.85	91.07	6.222	2.885	9.107			
	2000	61.43	23.12	84.55	6.143	2.312	8.455			
	1999	63.80	18.96	82.76	6.380	1.896	8.276			
	1998	62.32	21.26	83.58	6.232	2.126	8.358			
Florida Power & Light	2002	49.10	26.35	75.45	4.910	2.635	7.545	1.47%	-10.07%	33.35%
	2001	50.42	36.67	87.09	5.042	3.667	8.709			
	2000	50.32	23.05	73.37	5.032	2.305	7.337			
	1999	50.77	19.80	70.57	5.077	1.980	7.057			
	1998	54.60	19.76	74.36	5.460	1.976	7.436			