

PUBLIC SERVICE COMMISSION  
OF MARYLAND

TEN-YEAR PLAN  
(2013 – 2022)  
OF ELECTRIC COMPANIES  
IN MARYLAND

Prepared for the  
Maryland Department of Natural Resources  
In compliance with Section 7-201  
of the Maryland Public Utilities Article  
April 2014

State of Maryland  
Public Service Commission

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**List of Tables:**

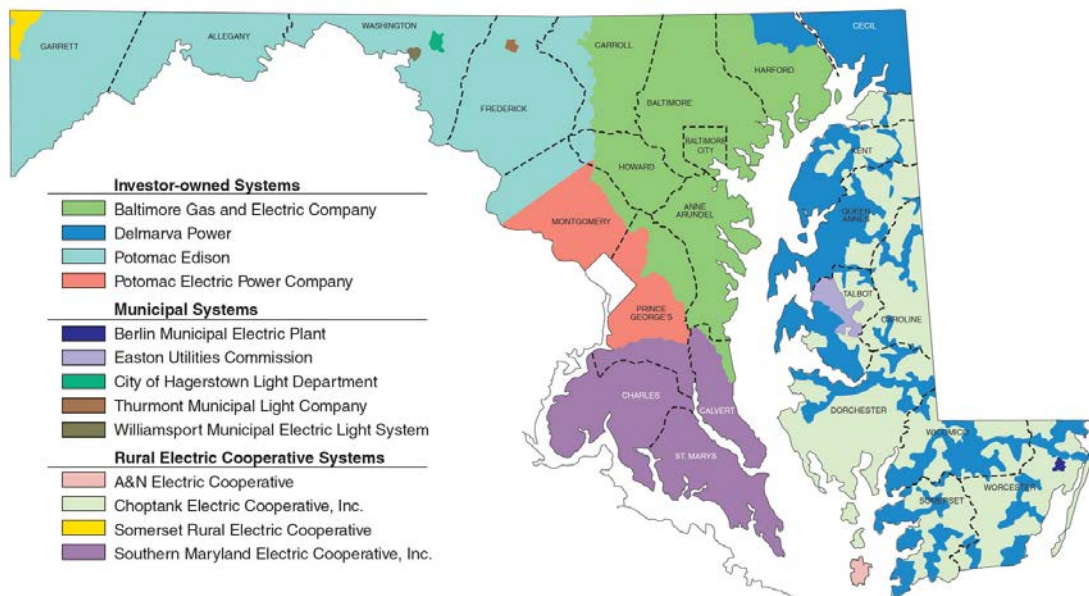
Table 1(a): Maryland Customer Forecasts.....	50
Table 1(b): 2012 Customer Numbers and Energy Sales.....	53
Table 2(a): Energy Sales Forecast by Utility (Maryland).....	54
Table 2(b): Energy Sales Forecast by Utility (System Wide).....	55
Table 3(a): Peak Demand Forecasts (Maryland) .....	56
Table 3(b): Peak Demand Forecasts (System Wide) .....	58
Table 4: Transmission Enhancements, by Service Territory .....	60
Table 5: List of Maryland Generators, as of December 31, 2012.....	62
Table 6: Proposed New Conventional Generation in Maryland, PJM Queue Effective Date: December 17, 2013 .....	63
Table 7: Proposed New Renewable Generation in Maryland, PJM Queue Effective Date: December 17, 2013 .....	65

## **Introduction**

This report constitutes the Maryland Public Service Commission’s *Ten-Year Plan (2013 -- 2022) of Electric Companies in Maryland*. The Ten-Year Plan is submitted annually by the Commission to the Secretary of the Department of Natural Resources in compliance with § 7-201 of the Public Utilities Article, *Annotated Code of Maryland*. It is a compilation of data relevant to the long-range plans of Maryland’s electric companies.

Maryland is geographically divided into thirteen electric utility service territories. The four largest are investor-owned utilities (“IOUs”), four are electric cooperatives (two of which serve mainly rural areas of Maryland), and five are electric municipal operations.<sup>1</sup> PJM sub-regions, known as zones, generally correspond with the IOU service territories. PJM zones for three of the four IOUs traverse state boundaries and extend into other jurisdictions. Figure 1 below provides a geographic picture of the utilities’ service territories.<sup>2</sup> Figure 2 depicts the PJM forecast zones which comprise Maryland.

*Figure 1: Maryland Utilities and their Service Territories in Maryland*<sup>3</sup>

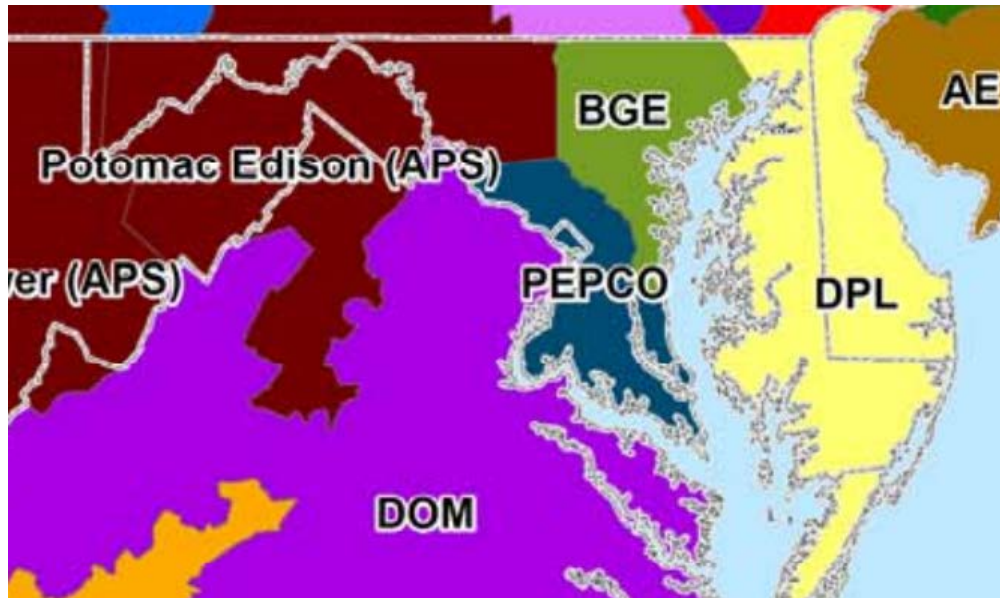


<sup>1</sup> The Commission regulates all Maryland public service companies, as defined by §1-101(x) of the Public Utilities Article, *Annotated Code of Maryland*.

<sup>2</sup> PE no longer uses its “doing business name” of “Allegheny Power” and any references within the Ten-Year Plan to Allegheny Power is inadvertent and should be read as referencing PE.

<sup>3</sup> *Cumulative Environmental Impact Report 16*, Maryland Department of Natural Resources, Figure 2-12, [http://esm.versar.com/pprp/ceir16/Report\\_2\\_2\\_0.htm](http://esm.versar.com/pprp/ceir16/Report_2_2_0.htm) (last updated February 20, 2012).

Figure 2: PJM Maryland Forecast Zones<sup>4</sup>



Tables available on subsequent pages include pertinent information for Maryland agencies' planning purposes. All data in the following tables is derived from the Utilities' responses to Data Requests prepared by Commission Technical Staff.

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<sup>4</sup> *PJM Load Forecast Report*, PJM (January 2013), <https://www.pjm.com/~media/documents/reports/2013-load-forecast-report.ashx>.

## Table 1(a): Maryland Customer Forecasts

### Table 1(a)(i): All Customer Classes (# of customers)

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	2,455	1,245,792	52,338	200,370	11,112	17,322	254,901	534,220	156,604	<b>2,475,114</b>
2014	2,455	1,250,389	52,464	201,502	11,277	17,402	256,434	537,002	159,244	<b>2,488,169</b>
2015	2,468	1,257,585	52,841	202,720	11,441	17,483	258,587	540,254	161,874	<b>2,505,252</b>
2016	2,492	1,265,735	53,290	203,905	11,605	17,564	260,785	543,471	164,504	<b>2,523,351</b>
2017	2,517	1,274,557	53,739	205,049	11,769	17,645	262,714	546,317	167,234	<b>2,541,542</b>
2018	2,542	1,281,851	54,063	206,153	11,934	17,727	264,487	548,896	169,974	<b>2,557,627</b>
2019	2,580	1,289,188	54,290	207,227	12,098	17,809	266,114	551,424	172,714	<b>2,573,444</b>
2020	2,619	1,296,566	54,444	208,271	12,262	17,891	267,714	553,911	175,564	<b>2,589,242</b>
2021	2,658	1,303,987	54,560	209,281	12,427	17,974	269,281	556,140	178,404	<b>2,604,712</b>
2022	2,698	1,311,451	54,653	210,291	12,591	18,058	270,878	558,681	181,334	<b>2,620,635</b>
<b>Change (2013-2022)</b>	<b>243</b>	<b>65,659</b>	<b>2,315</b>	<b>9,921</b>	<b>1,479</b>	<b>736</b>	<b>15,977</b>	<b>24,461</b>	<b>24,730</b>	<b>145,520</b>
<b>Percent Change (2013-2022)</b>	<b>9.90%</b>	<b>5.27%</b>	<b>4.42%</b>	<b>4.95%</b>	<b>13.31%</b>	<b>4.25%</b>	<b>6.27%</b>	<b>4.58%</b>	<b>15.79%</b>	<b>5.88%</b>
<b>Compound Annual Growth Rate</b>	<b>1.05%</b>	<b>0.57%</b>	<b>0.48%</b>	<b>0.54%</b>	<b>1.40%</b>	<b>0.46%</b>	<b>0.68%</b>	<b>0.50%</b>	<b>1.64%</b>	<b>0.64%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

### Table 1(a)(ii): Residential (# of customers)

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	2,028	1,119,303	47,307	173,997	8,701	14,756	223,585	486,662	141,700	<b>2,218,039</b>
2014	2,028	1,124,483	47,343	174,972	8,829	14,830	224,835	489,389	144,100	<b>2,230,809</b>
2015	2,038	1,130,770	47,650	176,020	8,957	14,904	226,644	492,605	146,500	<b>2,246,088</b>
2016	2,058	1,137,879	48,042	177,042	9,085	14,979	228,521	495,784	148,900	<b>2,262,290</b>
2017	2,079	1,145,599	48,427	178,033	9,213	15,054	230,181	498,600	151,400	<b>2,278,586</b>
2018	2,100	1,152,269	48,691	178,993	9,341	15,129	231,715	501,156	153,900	<b>2,293,294</b>
2019	2,131	1,158,978	48,862	179,931	9,463	15,205	233,119	503,667	156,400	<b>2,307,756</b>
2020	2,163	1,165,726	48,961	180,847	9,596	15,281	234,503	506,135	159,000	<b>2,322,211</b>
2021	2,196	1,172,513	49,017	181,736	9,725	15,357	235,859	508,353	161,600	<b>2,336,356</b>
2022	2,229	1,179,339	49,049	182,631	9,852	15,434	237,243	510,875	164,300	<b>2,350,953</b>
<b>Change (2013-2022)</b>	<b>201</b>	<b>60,036</b>	<b>1,742</b>	<b>8,634</b>	<b>1,151</b>	<b>678</b>	<b>13,658</b>	<b>24,213</b>	<b>22,600</b>	<b>132,913</b>
<b>Percent Change (2013-2022)</b>	<b>9.91%</b>	<b>5.36%</b>	<b>3.68%</b>	<b>4.96%</b>	<b>13.23%</b>	<b>4.59%</b>	<b>6.11%</b>	<b>4.98%</b>	<b>15.95%</b>	<b>5.99%</b>
<b>Compound Annual Growth</b>	<b>1.06%</b>	<b>0.58%</b>	<b>0.40%</b>	<b>0.54%</b>	<b>1.39%</b>	<b>0.50%</b>	<b>0.66%</b>	<b>0.54%</b>	<b>1.66%</b>	<b>0.65%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

## Table 1(a): Maryland Customer Forecasts

### Table 1(a)(iii): Commercial (# of customers)

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	296	120,938	4,757	25,864	2,412	2,519	28,073	47,469	14,900	<b>247,227</b>
2014	296	120,377	4,846	26,020	2,448	2,526	28,320	47,520	15,140	<b>247,493</b>
2015	298	121,243	4,915	26,190	2,484	2,532	28,620	47,555	15,370	<b>249,208</b>
2016	301	122,236	4,971	26,351	2,521	2,538	28,909	47,592	15,600	<b>251,019</b>
2017	304	123,287	5,035	26,503	2,557	2,545	29,156	47,622	15,830	<b>252,839</b>
2018	307	123,882	5,095	26,646	2,593	2,551	29,378	47,646	16,070	<b>254,168</b>
2019	311	124,479	5,151	26,782	2,629	2,557	29,581	47,662	16,310	<b>255,462</b>
2020	316	125,080	5,206	26,909	2,666	2,564	29,778	47,681	16,560	<b>256,759</b>
2021	321	125,683	5,266	27,029	2,702	2,570	29,969	47,692	16,800	<b>258,032</b>
2022	326	126,289	5,327	27,143	2,738	2,577	30,163	47,711	17,030	<b>259,303</b>
<b>Change (2013-2022)</b>	<b>30</b>	<b>5,351</b>	<b>570</b>	<b>1,279</b>	<b>326</b>	<b>58</b>	<b>2,090</b>	<b>242</b>	<b>2,130</b>	<b>12,076</b>
<b>Percent Change (2013-2022)</b>	<b>10.14%</b>	<b>4.42%</b>	<b>11.98%</b>	<b>4.95%</b>	<b>13.52%</b>	<b>2.30%</b>	<b>7.44%</b>	<b>0.51%</b>	<b>14.30%</b>	<b>4.88%</b>
<b>Compound Annual Growth</b>	<b>1.08%</b>	<b>0.48%</b>	<b>1.27%</b>	<b>0.54%</b>	<b>1.42%</b>	<b>0.25%</b>	<b>0.80%</b>	<b>0.06%</b>	<b>1.50%</b>	<b>0.53%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

### Table 1(a)(iv): Industrial (# of customers)

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	112	5,551	23	236	0	46	2,898	0	4	<b>8,870</b>
2014	112	5,529	23	236	0	46	2,935	0	4	<b>8,886</b>
2015	112	5,571	23	238	0	46	2,979	0	4	<b>8,973</b>
2016	113	5,619	23	239	0	46	3,012	0	4	<b>9,056</b>
2017	114	5,670	23	240	0	47	3,035	0	4	<b>9,133</b>
2018	116	5,700	23	241	0	47	3,053	0	4	<b>9,184</b>
2019	117	5,731	23	242	0	47	3,073	0	4	<b>9,236</b>
2020	119	5,761	23	243	0	47	3,093	0	4	<b>9,290</b>
2021	121	5,792	23	243	0	47	3,114	0	4	<b>9,343</b>
2022	123	5,823	23	244	0	47	3,134	0	4	<b>9,398</b>
<b>Change (2013-2022)</b>	<b>11</b>	<b>272</b>	<b>-</b>	<b>8</b>	<b>-</b>	<b>1</b>	<b>236</b>	<b>-</b>	<b>-</b>	<b>528</b>
<b>Percent Change (2013-2022)</b>	<b>9.82%</b>	<b>4.90%</b>	<b>0.00%</b>	<b>3.39%</b>	<b>N/A</b>	<b>2.17%</b>	<b>8.14%</b>	<b>N/A</b>	<b>0.00%</b>	<b>5.95%</b>
<b>Compound Annual Growth</b>	<b>1.05%</b>	<b>0.53%</b>	<b>0.00%</b>	<b>0.37%</b>	<b>N/A</b>	<b>0.24%</b>	<b>0.87%</b>	<b>N/A</b>	<b>0.00%</b>	<b>0.64%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

## Table 1(a): Maryland Customer Forecasts

### Table 1(a)(v): Other (# of customers)

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	20	0	251	274	0	0	342	89	0	976
2014	20	0	252	274	0	0	341	93	0	980
2015	20	0	253	273	0	0	341	94	0	981
2016	20	0	254	273	0	0	340	94	0	981
2017	20	0	254	273	0	0	339	95	0	981
2018	20	0	254	273	0	0	339	95	0	981
2019	21	0	254	273	0	0	338	95	0	981
2020	21	0	254	273	0	0	337	95	0	980
2021	21	0	254	273	0	0	336	95	0	979
2022	22	0	254	273	0	0	335	95	0	979
<b>Change (2013-2022)</b>	<b>2</b>	<b>-</b>	<b>3</b>	<b>(1)</b>	<b>-</b>	<b>-</b>	<b>(7)</b>	<b>6</b>	<b>-</b>	<b>3</b>
<b>Percent Change (2013-2022)</b>	<b>10.00%</b>	<b>N/A</b>	<b>1.20%</b>	<b>-0.36%</b>	<b>N/A</b>	<b>N/A</b>	<b>-2.02%</b>	<b>6.74%</b>	<b>N/A</b>	<b>0.32%</b>
<b>Compound Annual Growth</b>	<b>1.06%</b>	<b>N/A</b>	<b>0.13%</b>	<b>-0.04%</b>	<b>N/A</b>	<b>N/A</b>	<b>-0.23%</b>	<b>0.73%</b>	<b>N/A</b>	<b>0.04%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

Note: The “Other” rate class refers to customers that do not fall into one of the listed classes; street lighting is an example of a rate class included under “Other.”

### Table 1(a)(vi): Resale (# of customers)

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	0	0	0	0	0	0	3	0	0	3
2014	0	0	0	0	0	0	3	0	0	3
2015	0	0	0	0	0	0	3	0	0	3
2016	0	0	0	0	0	0	3	0	0	3
2017	0	0	0	0	0	0	3	0	0	3
2018	0	0	0	0	0	0	3	0	0	3
2019	0	0	0	0	0	0	3	0	0	3
2020	0	0	0	0	0	0	3	0	0	3
2021	0	0	0	0	0	0	3	0	0	3
2022	0	0	0	0	0	0	3	0	0	3
<b>Change (2013-2022)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Percent Change (2013-2022)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>0.00%</b>	<b>N/A</b>	<b>N/A</b>	<b>0.00%</b>
<b>Compound Annual Growth</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>0.00%</b>	<b>N/A</b>	<b>N/A</b>	<b>0.00%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

Note: The “Resale” class refers to Sales for Resale which is energy supplied to other electric utilities, cooperatives, municipalities, and Federal and State electric agencies for resale to end-use consumers. PE is the only utility with any resale customers; these wholesale customers are PJM, Monongahela Power Company, West Penn Power Company and Old Dominion Electric Cooperative.



## Table 1(b): 2012 Customer Numbers and Energy Sales

### Table 1(b)(i): Customer Class Breakdown as of December 31, 2012 (# of customers)

Utility	System Wide						Maryland					
	Residential	Commercial	Industrial	Other	Sales for Resale	Total	Residential	Commercial	Industrial	Other	Sales for Resale	Total
Berlin	2,009	296	112	19	-	2,436	2,009	296	112	19	-	2,436
BGE	1,115,939	119,484	5,559	-	-	1,240,982	1,115,939	119,484	5,559	-	-	1,240,982
Choptank	47,280	4,708	24	247	-	52,259	47,280	4,708	24	247	-	52,259
DPL	441,640	59,207	469	644	-	501,960	173,512	25,750	240	275	-	199,777
Easton	8,226	2,322	-	-	-	10,548	8,226	2,322	-	-	-	10,548
Hagerstown	14,683	2,513	46	-	-	17,242	14,683	2,513	46	-	-	17,242
PE	338,702	43,779	4,891	664	4	388,040	221,784	27,455	2,883	342	2	252,466
PEPCO	717,510	74,059	13	116	-	791,698	485,960	47,546	12	89	-	533,607
SMECO	138,869	14,572	4	341	-	153,785	138,869	14,572	4	341	-	153,785
Thurmont	2,446	338	10	43	-	2,837	2,446	338	10	43	-	2,837
Williamsport	849	126	14	9	-	997	849	126	14	9	-	997
<b>Total</b>	<b>2,828,152</b>	<b>321,403</b>	<b>11,142</b>	<b>2,083</b>	<b>4</b>	<b>3,162,784</b>	<b>2,211,556</b>	<b>245,109</b>	<b>8,904</b>	<b>1,365</b>	<b>2</b>	<b>2,466,936</b>

Note: A&N and Somerset did not report applicable information for this table.

Note: "System wide" includes the entire distribution system of a utility, which may extend beyond the Maryland service territory into Washington, D.C., Delaware, and parts of West Virginia. The affected utilities include DPL, PE, and Pepco.

### Table 1(b)(ii): Utilities' 2012 Energy Sales by Customer Class (GWh)

Utility	System Wide						Maryland					
	Residential	Commercial	Industrial	Other	Sales for Resale	Total	Residential	Commercial	Industrial	Other	Sales for Resale	Total
Berlin	23	3	14	0	-	40	23	3	14	0	-	40
BGE	12,719	16,130	2,145	-	-	30,994	12,719	16,130	2,145	-	-	30,994
Choptank	647	214	95	1	-	957	647	214	95	1	-	957
DPL	4,993	5,147	2,313	49	-	12,502	2,061	1,713	407	12	-	4,193
Easton	108	144	-	-	-	252	108	144	-	-	-	252
Hagerstown	151	95	62	-	-	308	151	95	62	-	-	308
PE	4,704	2,827	2,327	22	1,348	11,228	3,062	2,022	1,555	17	1,345	8,000
PEPCO	7,729	16,948	613	76	-	25,366	5,733	8,305	394	74	-	14,506
SMECO	2,044	1,296	30	7	-	3,376	2,044	1,296	30	7	-	3,376
Thurmont	35	16	25	1	-	77	35	16	25	1	-	77
Williamsport	9	3	7	0	-	19	9	3	7	0	-	19
<b>Total</b>	<b>33,163</b>	<b>42,823</b>	<b>7,630</b>	<b>156</b>	<b>1,348</b>	<b>85,120</b>	<b>26,593</b>	<b>29,940</b>	<b>4,733</b>	<b>111</b>	<b>1,345</b>	<b>62,722</b>

Note: A&N and Somerset did not report applicable information for this table.

Note: "System wide" includes the entire distribution system of a utility, which may extend beyond the Maryland service territory into Washington, D.C., Delaware, and parts of West Virginia. The affected utilities include DPL, PE, and Pepco.

## Table 2(a): Energy Sales Forecast by Utility (Maryland Service Territory Only)

### Table 2(a)(i): Maryland Energy Sales Forecast, Gross of DSM (GWh)

	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	41	31,162	987	4,373	276	294	7,434	14,876	3,689	<b>63,133</b>
2014	40	31,396	1,049	4,350	276	295	7,598	15,070	3,811	<b>63,885</b>
2015	40	32,045	1,091	4,367	276	297	7,762	15,115	3,913	<b>64,906</b>
2016	41	32,616	1,125	4,371	276	298	7,887	15,149	4,005	<b>65,768</b>
2017	41	33,185	1,158	4,390	276	300	7,983	15,187	4,070	<b>66,590</b>
2018	42	33,282	1,191	4,409	276	301	8,062	15,231	4,137	<b>66,931</b>
2019	42	33,379	1,226	4,422	276	303	8,147	15,261	4,202	<b>67,257</b>
2020	43	33,476	1,261	4,430	288	304	8,225	15,284	4,268	<b>67,579</b>
2021	43	33,574	1,299	4,437	288	306	8,317	15,302	4,335	<b>67,901</b>
2022	44	33,672	1,338	4,443	288	307	8,415	15,319	4,400	<b>68,225</b>
<b>Change (2013-2022)</b>	3	2,509	351	70	12	13	980	443	711	<b>5,092</b>
<b>Percent Change (2013-2022)</b>	6.78%	8.05%	35.55%	1.60%	4.35%	4.42%	13.19%	2.98%	19.27%	<b>8.07%</b>
<b>Compound Annual Growth Rate</b>	0.73%	0.86%	3.44%	0.18%	0.47%	0.48%	1.39%	0.33%	1.98%	<b>0.87%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

### Table 2(a)(ii): Maryland Energy Sales Forecast, Net of DSM (GWh)

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	41	30,687	985	4,308	276	294	7,386	14,560	3,594	<b>62,131</b>
2014	40	30,541	1,047	4,176	276	295	7,450	14,297	3,689	<b>61,810</b>
2015	40	30,750	1,090	4,131	276	297	7,574	14,085	3,765	<b>62,008</b>
2016	41	30,911	1,124	4,073	276	298	7,699	13,881	3,831	<b>62,134</b>
2017	41	31,071	1,156	4,030	276	300	7,795	13,681	3,896	<b>62,247</b>
2018	42	31,168	1,190	3,987	276	301	7,874	13,485	3,963	<b>62,285</b>
2019	42	31,265	1,224	4,000	276	303	7,959	13,515	4,028	<b>62,612</b>
2020	43	31,362	1,260	4,008	288	304	8,037	13,538	4,094	<b>62,934</b>
2021	43	31,460	1,297	4,015	288	306	8,130	13,556	4,161	<b>63,255</b>
2022	44	31,558	1,336	4,021	288	307	8,227	13,573	4,226	<b>63,579</b>
<b>Change (2013-2022)</b>	3	871	351	(287)	12	13	840	(987)	632	<b>1,448</b>
<b>Percent Change (2013-2022)</b>	6.78%	2.84%	35.60%	-6.66%	4.35%	4.42%	11.38%	-6.78%	17.59%	<b>2.33%</b>
<b>Compound Annual Growth</b>	0.73%	0.31%	3.44%	-0.76%	0.47%	0.48%	1.20%	-0.78%	1.82%	<b>0.26%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

**Table 2(b): Energy Sales Forecast by Utility (System Wide)**

**Table 2(b)(i): System Wide Energy Sales Forecast, Gross of DSM (GWh)**

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	41	31,162	987	12,716	276	294	14,140	26,123	3,689	<b>89,428</b>
2014	40	31,396	1,049	12,671	276	295	14,460	26,445	3,811	<b>90,444</b>
2015	40	32,045	1,091	12,683	276	297	14,747	26,517	3,913	<b>91,609</b>
2016	41	32,616	1,125	12,710	276	298	14,993	26,578	4,005	<b>92,642</b>
2017	41	33,185	1,158	12,769	276	300	15,189	26,646	4,070	<b>93,634</b>
2018	42	33,282	1,191	12,828	276	301	15,355	26,722	4,137	<b>94,134</b>
2019	42	33,379	1,226	12,867	276	303	15,514	26,782	4,202	<b>94,591</b>
2020	43	33,476	1,261	12,890	288	304	15,662	26,836	4,268	<b>95,028</b>
2021	43	33,574	1,299	12,905	288	306	15,827	26,885	4,335	<b>95,462</b>
2022	44	33,672	1,338	12,922	288	307	15,994	26,935	4,400	<b>95,899</b>
<b>Change (2013-2022)</b>	<b>3</b>	<b>2,509</b>	<b>351</b>	<b>206</b>	<b>12</b>	<b>13</b>	<b>1,854</b>	<b>812</b>	<b>711</b>	<b>6,471</b>
<b>Percent Change (2013-2022)</b>	<b>6.78%</b>	<b>8.05%</b>	<b>35.55%</b>	<b>1.62%</b>	<b>4.35%</b>	<b>4.42%</b>	<b>13.11%</b>	<b>3.11%</b>	<b>19.27%</b>	<b>7.24%</b>
<b>Compound Annual Growth Rate</b>	<b>0.73%</b>	<b>0.86%</b>	<b>3.44%</b>	<b>0.18%</b>	<b>0.47%</b>	<b>0.48%</b>	<b>1.38%</b>	<b>0.34%</b>	<b>1.98%</b>	<b>0.78%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

Note: "System wide" includes the entire distribution system of a utility, which may extend beyond the Maryland service territory into Washington, D.C., Delaware, and parts of West Virginia. The affected utilities include DPL, PE, and Pepco.

**Table 2(b)(ii): System Wide Energy Sales Forecast, Net of DSM (GWh)**

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	41	30,687	985	12,637	276	294	14,090	25,782	3,594	<b>88,386</b>
2014	40	30,541	1,047	12,472	276	295	14,308	25,630	3,689	<b>88,297</b>
2015	40	30,750	1,090	12,421	276	297	14,551	25,445	3,765	<b>88,635</b>
2016	41	30,911	1,124	12,385	276	298	14,794	25,267	3,831	<b>88,926</b>
2017	41	31,071	1,156	12,382	276	300	14,987	25,097	3,896	<b>89,207</b>
2018	42	31,168	1,190	12,380	276	301	15,153	24,934	3,963	<b>89,406</b>
2019	42	31,265	1,224	12,418	276	303	15,313	24,904	4,028	<b>89,773</b>
2020	43	31,362	1,260	12,441	288	304	15,461	25,048	4,094	<b>90,300</b>
2021	43	31,460	1,297	12,456	288	306	15,625	25,096	4,161	<b>90,732</b>
2022	44	31,558	1,336	12,473	288	307	15,792	25,147	4,226	<b>91,170</b>
<b>Change (2013-2022)</b>	<b>3</b>	<b>871</b>	<b>351</b>	<b>(164)</b>	<b>12</b>	<b>13</b>	<b>1,702</b>	<b>(635)</b>	<b>632</b>	<b>2,784</b>
<b>Percent Change (2013-2022)</b>	<b>6.78%</b>	<b>2.84%</b>	<b>35.60%</b>	<b>-1.30%</b>	<b>4.35%</b>	<b>4.42%</b>	<b>12.08%</b>	<b>-2.46%</b>	<b>17.59%</b>	<b>3.15%</b>
<b>Compound Annual Growth Rate</b>	<b>0.73%</b>	<b>0.31%</b>	<b>3.44%</b>	<b>-0.15%</b>	<b>0.47%</b>	<b>0.48%</b>	<b>1.28%</b>	<b>-0.28%</b>	<b>1.82%</b>	<b>0.35%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

Note: "System wide" includes the entire distribution system of a utility, which may extend beyond the Maryland service territory into Washington, D.C., Delaware, and parts of West Virginia. The affected utilities include DPL, PE, and Pepco.

**Table 3(a): Peak Demand Forecasts (Maryland Service Territory Only)**

**Table 3(a)(i): Maryland Summer, Gross of DSM Programs (MW)**

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	11	7,218	242	1,029	70	61	1,507	3,579	908	<b>14,624</b>
2014	11	7,333	246	1,048	71	61	1,537	3,621	930	<b>14,858</b>
2015	11	7,467	250	1,069	72	62	1,567	3,663	952	<b>15,113</b>
2016	11	7,572	254	1,087	73	62	1,596	3,693	971	<b>15,319</b>
2017	11	7,649	260	1,101	74	62	1,613	3,719	988	<b>15,478</b>
2018	11	7,703	265	1,112	75	63	1,630	3,742	1,004	<b>15,605</b>
2019	11	7,770	274	1,125	76	63	1,646	3,767	1,020	<b>15,752</b>
2020	12	7,840	278	1,137	78	63	1,664	3,795	1,037	<b>15,904</b>
2021	12	7,905	286	1,149	79	63	1,681	3,817	1,054	<b>16,046</b>
2022	12	7,966	295	1,161	80	64	1,701	3,837	1,071	<b>16,186</b>
<b>Change (2013-2022)</b>	<b>1</b>	<b>748</b>	<b>53</b>	<b>132</b>	<b>10</b>	<b>3</b>	<b>194</b>	<b>258</b>	<b>163</b>	<b>1,562</b>
<b>Percent Change (2013-2022)</b>	<b>9.26%</b>	<b>10.36%</b>	<b>22.06%</b>	<b>12.83%</b>	<b>14.82%</b>	<b>4.92%</b>	<b>12.84%</b>	<b>7.21%</b>	<b>17.99%</b>	<b>10.68%</b>
<b>Compound Annual Growth Rate</b>	<b>0.99%</b>	<b>1.10%</b>	<b>2.24%</b>	<b>1.35%</b>	<b>1.55%</b>	<b>0.53%</b>	<b>1.35%</b>	<b>0.78%</b>	<b>1.85%</b>	<b>1.13%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

**Table 3(a)(ii): Maryland Summer, Net of DSM Programs (MW)**

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	4	7,141	231	963	70	61	1,471	3,156	831	<b>13,928</b>
2014	4	7,118	236	957	71	61	1,489	3,103	848	<b>13,886</b>
2015	4	7,124	240	908	72	62	1,515	3,070	864	<b>13,859</b>
2016	4	7,279	244	896	73	62	1,544	3,026	880	<b>14,008</b>
2017	4	7,329	250	886	74	62	1,561	2,977	897	<b>14,041</b>
2018	4	7,378	255	874	75	63	1,578	2,926	913	<b>14,066</b>
2019	5	7,530	264	886	76	63	1,594	2,951	929	<b>14,297</b>
2020	5	7,600	268	899	78	63	1,612	2,979	946	<b>14,450</b>
2021	5	7,665	276	910	79	63	1,629	3,000	963	<b>14,590</b>
2022	5	7,726	285	922	80	64	1,649	3,020	980	<b>14,730</b>
<b>Change (2013-2022)</b>	<b>1</b>	<b>585</b>	<b>53</b>	<b>(41)</b>	<b>10</b>	<b>3</b>	<b>178</b>	<b>(136)</b>	<b>149</b>	<b>803</b>
<b>Percent Change (2013-2022)</b>	<b>25.00%</b>	<b>8.20%</b>	<b>23.02%</b>	<b>-4.26%</b>	<b>14.82%</b>	<b>4.92%</b>	<b>12.11%</b>	<b>-4.31%</b>	<b>17.93%</b>	<b>5.76%</b>
<b>Compound Annual Growth Rate</b>	<b>2.51%</b>	<b>0.88%</b>	<b>2.33%</b>	<b>-0.48%</b>	<b>1.55%</b>	<b>0.53%</b>	<b>1.28%</b>	<b>-0.49%</b>	<b>1.85%</b>	<b>0.62%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

**Table 3(a): Peak Demand Forecasts (Maryland Service Territory Only)****Table 3(a)(iii): Maryland Winter, Gross of DSM Programs (MW)**

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2012	10	5,960	206	900	53	59	1,576	2,769	754	<b>12,287</b>
2013	12	5,968	225	901	58	59	1,586	2,782	820	<b>12,411</b>
2014	12	5,994	240	908	59	60	1,620	2,805	837	<b>12,535</b>
2015	13	6,062	249	922	59	60	1,654	2,837	857	<b>12,712</b>
2016	13	6,129	251	937	60	60	1,678	2,881	878	<b>12,887</b>
2017	13	6,181	260	950	60	60	1,696	2,917	893	<b>13,030</b>
2018	13	6,205	267	957	61	61	1,713	2,938	909	<b>13,123</b>
2019	13	6,234	281	964	61	61	1,731	2,961	926	<b>13,232</b>
2020	13	6,249	289	970	62	61	1,746	2,976	942	<b>13,308</b>
2021	13	6,293	295	980	62	62	1,766	2,997	959	<b>13,427</b>
2022	14	6,323	304	988	63	62	1,785	3,021	976	<b>13,535</b>
<b>Change (2013-2022)</b>	<b>2</b>	<b>355</b>	<b>79</b>	<b>87</b>	<b>5</b>	<b>3</b>	<b>199</b>	<b>239</b>	<b>156</b>	<b>1,125</b>
<b>Percent Change (2013-2022)</b>	<b>17.24%</b>	<b>5.95%</b>	<b>34.98%</b>	<b>9.66%</b>	<b>7.73%</b>	<b>5.08%</b>	<b>12.57%</b>	<b>8.59%</b>	<b>19.01%</b>	<b>9.06%</b>
<b>Compound Annual Growth Rate</b>	<b>1.78%</b>	<b>0.64%</b>	<b>3.39%</b>	<b>1.03%</b>	<b>0.83%</b>	<b>0.55%</b>	<b>1.32%</b>	<b>0.92%</b>	<b>1.95%</b>	<b>0.97%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

**Table 3(a)(iv): Maryland Winter, Net of DSM Programs (MW)**

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	12	5,966	215	901	58	59	1,543	2,782	808	<b>12,343</b>
2014	12	5,984	230	908	59	60	1,568	2,805	824	<b>12,450</b>
2015	13	6,040	239	922	59	60	1,601	2,837	841	<b>12,612</b>
2016	13	6,081	241	937	60	60	1,626	2,881	859	<b>12,757</b>
2017	13	6,119	250	950	60	60	1,644	2,917	874	<b>12,887</b>
2018	13	6,129	257	957	61	61	1,661	2,938	890	<b>12,966</b>
2019	13	6,234	271	964	61	61	1,679	2,961	907	<b>13,151</b>
2020	13	6,249	279	970	62	61	1,694	2,976	923	<b>13,227</b>
2021	13	6,293	284	980	62	62	1,713	2,997	940	<b>13,346</b>
2022	14	6,323	294	988	63	62	1,733	3,021	957	<b>13,454</b>
<b>Change (2013-2022)</b>	<b>2</b>	<b>357</b>	<b>79</b>	<b>87</b>	<b>5</b>	<b>3</b>	<b>190</b>	<b>239</b>	<b>149</b>	<b>1,111</b>
<b>Percent Change (2013-2022)</b>	<b>17.24%</b>	<b>5.99%</b>	<b>36.63%</b>	<b>9.66%</b>	<b>7.73%</b>	<b>5.08%</b>	<b>12.29%</b>	<b>8.59%</b>	<b>18.48%</b>	<b>9.00%</b>
<b>Compound Annual Growth Rate</b>	<b>1.78%</b>	<b>0.65%</b>	<b>3.53%</b>	<b>1.03%</b>	<b>0.83%</b>	<b>0.55%</b>	<b>1.30%</b>	<b>0.92%</b>	<b>1.90%</b>	<b>0.96%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

**Table 3(b): Peak Demand Forecasts (System Wide)****Table 3(b)(i): System Wide Summer, Gross of DSM (MW)**

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	11	7,218	242	4,141	70	61	2,807	6,855	908	<b>22,311</b>
2014	11	7,333	246	4,218	71	61	2,853	6,935	930	<b>22,658</b>
2015	11	7,467	250	4,301	72	62	2,900	7,015	952	<b>23,029</b>
2016	11	7,572	254	4,376	73	62	2,946	7,073	971	<b>23,338</b>
2017	11	7,649	260	4,432	74	62	2,977	7,123	988	<b>23,576</b>
2018	11	7,703	265	4,476	75	63	3,005	7,167	1,004	<b>23,769</b>
2019	11	7,770	274	4,527	76	63	3,033	7,215	1,020	<b>23,990</b>
2020	12	7,840	278	4,576	78	63	3,064	7,268	1,037	<b>24,216</b>
2021	12	7,905	286	4,624	79	63	3,093	7,309	1,054	<b>24,425</b>
2022	12	7,966	295	4,671	80	64	3,127	7,348	1,071	<b>24,633</b>
<b>Change (2013-2022)</b>	<b>1</b>	<b>748</b>	<b>53</b>	<b>530</b>	<b>10</b>	<b>3</b>	<b>320</b>	<b>493</b>	<b>163</b>	<b>2,322</b>
<b>Percent Change (2013-2022)</b>	<b>9.26%</b>	<b>10.36%</b>	<b>22.06%</b>	<b>12.80%</b>	<b>14.82%</b>	<b>4.92%</b>	<b>11.41%</b>	<b>7.19%</b>	<b>17.99%</b>	<b>10.41%</b>
<b>Compound Annual Growth Rate</b>	<b>0.99%</b>	<b>1.10%</b>	<b>2.24%</b>	<b>1.35%</b>	<b>1.55%</b>	<b>0.53%</b>	<b>1.21%</b>	<b>0.77%</b>	<b>1.85%</b>	<b>1.11%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

Note: "System wide" includes the entire distribution system of a utility, which may extend beyond the Maryland service territory into Washington, D.C., Delaware, and parts of West Virginia. The affected utilities include DPL, PE, and Pepco.

**Table 3(b)(ii): System Wide Summer, Net of DSM (MW)**

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	4	7,141	231	3,972	70	61	2,770	6,420	831	<b>21,500</b>
2014	4	7,118	236	3,977	71	61	2,804	6,395	848	<b>21,513</b>
2015	4	7,124	240	3,987	72	62	2,847	6,392	864	<b>21,592</b>
2016	4	7,279	244	4,008	73	62	2,894	6,376	880	<b>21,820</b>
2017	4	7,329	250	4,044	74	62	2,924	6,351	897	<b>21,936</b>
2018	4	7,378	255	4,067	75	63	2,952	6,321	913	<b>22,029</b>
2019	5	7,530	264	4,118	76	63	2,981	6,369	929	<b>22,334</b>
2020	5	7,600	268	4,167	78	63	3,012	6,422	946	<b>22,560</b>
2021	5	7,665	276	4,215	79	63	3,041	6,463	963	<b>22,770</b>
2022	5	7,726	285	4,262	80	64	3,075	6,502	980	<b>22,978</b>
<b>Change (2013-2022)</b>	<b>1</b>	<b>585</b>	<b>53</b>	<b>290</b>	<b>10</b>	<b>3</b>	<b>305</b>	<b>82</b>	<b>149</b>	<b>1,478</b>
<b>Percent Change (2013-2022)</b>	<b>25.00%</b>	<b>8.20%</b>	<b>23.02%</b>	<b>7.30%</b>	<b>14.82%</b>	<b>4.92%</b>	<b>11.00%</b>	<b>1.28%</b>	<b>17.93%</b>	<b>6.88%</b>
<b>Compound Annual Growth Rate</b>	<b>2.51%</b>	<b>0.88%</b>	<b>2.33%</b>	<b>0.79%</b>	<b>1.55%</b>	<b>0.53%</b>	<b>1.17%</b>	<b>0.14%</b>	<b>1.85%</b>	<b>0.74%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

Note: "System wide" includes the entire distribution system of a utility, which may extend beyond the Maryland service territory into Washington, D.C., Delaware, and parts of West Virginia. The affected utilities include DPL, PE, and Pepco.

**Table 3(b): Peak Demand Forecasts (System Wide)****Table 3(b)(iii): System Wide Winter, Gross of DSM (MW)**

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	12	5,994	225	3,362	58	59	3,104	5,465	820	<b>19,099</b>
2014	12	6,062	240	3,390	59	60	3,161	5,510	837	<b>19,331</b>
2015	13	6,129	249	3,443	59	60	3,218	5,573	857	<b>19,601</b>
2016	13	6,181	251	3,497	60	60	3,262	5,659	878	<b>19,861</b>
2017	13	6,205	260	3,546	60	60	3,296	5,731	893	<b>20,064</b>
2018	13	6,234	267	3,574	61	61	3,327	5,771	909	<b>20,217</b>
2019	13	6,249	281	3,600	61	61	3,362	5,817	926	<b>20,370</b>
2020	13	6,293	289	3,620	62	61	3,392	5,846	942	<b>20,517</b>
2021	13	6,323	295	3,657	62	62	3,427	5,887	959	<b>20,685</b>
2022	14	6,361	304	3,688	63	62	3,463	5,935	976	<b>20,865</b>
<b>Change (2013-2022)</b>	<b>2</b>	<b>367</b>	<b>79</b>	<b>326</b>	<b>5</b>	<b>3</b>	<b>359</b>	<b>470</b>	<b>156</b>	<b>1,766</b>
<b>Percent Change (2013-2022)</b>	<b>17.24%</b>	<b>6.12%</b>	<b>34.98%</b>	<b>9.70%</b>	<b>7.73%</b>	<b>5.08%</b>	<b>11.57%</b>	<b>8.60%</b>	<b>19.01%</b>	<b>9.25%</b>
<b>Compound Annual Growth Rate</b>	<b>1.78%</b>	<b>0.66%</b>	<b>3.39%</b>	<b>1.03%</b>	<b>0.83%</b>	<b>0.55%</b>	<b>1.22%</b>	<b>0.92%</b>	<b>1.95%</b>	<b>0.99%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

Note: "System wide" includes the entire distribution system of a utility, which may extend beyond the Maryland service territory into Washington, D.C., Delaware, and parts of West Virginia. The affected utilities include DPL, PE, and Pepco.

**Table 3(b)(iv): System Wide Winter, Net of DSM (MW)**

Year	Berlin	BGE	Choptank	DPL	Easton	Hagerstown	PE	Pepco	SMECO	Total
2013	12	5,984	215	3,362	58	59	3,061	5,465	808	<b>19,024</b>
2014	12	6,040	230	3,390	59	60	3,108	5,510	824	<b>19,234</b>
2015	13	6,081	239	3,443	59	60	3,166	5,573	841	<b>19,474</b>
2016	13	6,119	241	3,497	60	60	3,209	5,659	859	<b>19,717</b>
2017	13	6,129	250	3,546	60	60	3,243	5,731	874	<b>19,906</b>
2018	13	6,234	257	3,574	61	61	3,275	5,771	890	<b>20,135</b>
2019	13	6,249	271	3,600	61	61	3,309	5,817	907	<b>20,288</b>
2020	13	6,293	279	3,620	62	61	3,339	5,846	923	<b>20,436</b>
2021	13	6,323	284	3,657	62	62	3,374	5,887	940	<b>20,604</b>
2022	14	6,361	294	3,688	63	62	3,410	5,935	957	<b>20,783</b>
<b>Change (2013-2022)</b>	<b>2</b>	<b>377</b>	<b>79</b>	<b>326</b>	<b>5</b>	<b>3</b>	<b>349</b>	<b>470</b>	<b>149</b>	<b>1,760</b>
<b>Percent Change (2013-2022)</b>	<b>17.24%</b>	<b>6.30%</b>	<b>36.63%</b>	<b>9.70%</b>	<b>7.73%</b>	<b>5.08%</b>	<b>11.41%</b>	<b>8.60%</b>	<b>18.48%</b>	<b>9.25%</b>
<b>Compound Annual Growth Rate</b>	<b>1.78%</b>	<b>0.68%</b>	<b>3.53%</b>	<b>1.03%</b>	<b>0.83%</b>	<b>0.55%</b>	<b>1.21%</b>	<b>0.92%</b>	<b>1.90%</b>	<b>0.99%</b>

Note: A&N, Somerset, Thurmont, and Williamsport did not report applicable information for this table.

Note: "System wide" includes the entire distribution system of a utility, which may extend beyond the Maryland service territory into Washington, D.C., Delaware, and parts of West Virginia. The affected utilities include DPL, PE, and Pepco.

**Table 4: Transmission Enhancements, by Service Territory**

Transmission Owner	Voltage (kV)	Length (miles)	No. of Circuits	Start Date	Comp. Date	In-Service Date	Purpose	Start location		End Location	
								County	Terminal	County	Terminal
BGE	115	3.3	1	Apr-10	Jun-14	Jun-14	Baseline Transmission Reliability	Baltimore County	Deer Park	Baltimore County	Northwest
BGE	115	3	2	Jun-08	Jun-16	Jun-16	Distribution Adequacy	Baltimore City	Westport	Baltimore City	Wilkens
BGE	230	8.6	1	Jan-11	Jun-17	Jun-17	Baseline Transmission Reliability	Harford	Conastone	Harford	Graceton
BGE	230	13.7	1	Jan-09	Jun-17	Jun-17	Baseline Transmission Reliability	Harford	Graceton	Harford	Bagley
BGE	230	6.1	2	Apr-07	Jun-17	Jun-17	Baseline Transmission Reliability	Harford	Raphael Rd	Harford	Bagley
BGE	115	1	1	Sep-09	Jun-17	Jun-17	Baseline Transmission Reliability	Baltimore City	Orchard St	Baltimore City	Constitution St
BGE	230	4	2	Jan-10	Jun-17	Jun-17	Baseline Transmission Reliability	Baltimore County	Northwest	Baltimore County	Hanover Pike
BGE	115	0.6	2	Jun-12	Jun-18	Jun-18	Baseline Transmission Reliability	Baltimore City	Coldspring	Baltimore City	Camp Small
BGE	115	4.7	2	Jan-12	Jun-18	Jun-18	Distribution Adequacy	Baltimore City	Hazelwood	Baltimore City	Lock Raven
BGE	115	3	1	Jun-13	Jun-18	Jun-18	Baseline Transmission Reliability	Anne Arundel	Waugh Chapel	Anne Arundel	Bestgate
BGE	115	3	1	Jun-13	Jun-18	Jun-18	Baseline Transmission Reliability	Harford	Joppatowne	Harford	Raphael Rd
PE	138	12.7	1	2012	2013	2013	Baseline Transmission Reliability	Frederick	Catoctin	Carroll	Carroll
PE	230	0	1	2015	2016	2016	Baseline Transmission Reliability	Frederick	Doubs	Frederick	Lime Kiln (Section 207)
PE	230	0	1	2015	2016	2016	Baseline Transmission Reliability	Frederick	Doubs	Frederick	Lime Kiln (Section 231)
PE	765	19.6	1	Canc.	--	--	Baseline Transmission Reliability	Hardy, WV	Welton Spring (new)	Frederick	Kemptown (new)
PE	230	2.1	2	Canc.	--	--	Distribution Adequacy	Frederick	Urbana	Frederick	Lime Kiln - Montgomery
PE	230	0.1	2	Canc.	--	--	Distribution Adequacy	Frederick	South Frederick No. 1 (new)	Frederick	Monocacy – Lime Kiln
PE	138	0.1	2	2013	2013	2013	Generator Interconnection	Allegany	Dans Mountain (new)	Allegany	Carlos Junction-Ridgeley
PE	500	2.7	1	2013	2014	2014	Baseline Transmission Reliability	Frederick	VA State Line	Frederick	Doubs
PE	138	0.1	1	Canc.	--	--	Generator Interconnection	Garrett	Frostburg	Garrett	Jennings
PE	138	0	1	2016	2016	2016	Baseline Transmission Reliability	Washington	Halfway	Washington	Paramount
PE	138	0	1	2014	2015	2015	Baseline Transmission Reliability	Berkeley, WV	Nipetown	Washington	Reid
PE	138	0	1	2016	2016	2016	Baseline Transmission Reliability	Washington	Reid	Washington	Paramount
PE	138	0.1	1	2013	2014	2014	Generator Interconnection	Garrett	Four Mile Ridge (new)	Preston, WV	Hazelton
PE	138	0.1	1	2013	2014	2014	Generator Interconnection	Garrett	Four Mile Ridge (new)	Mineral, WV	Ridgeley
PE	138	0	1	2016	2016	2016	Baseline Transmission Reliability	Washington	Paramount	Washington	Reid
SMECO	230	20	2	2012	2013	2013	Capacity	Calvert	Holland Cliff Sw. St.	Calvert	Sollers Wharf Sw. St.
SMECO	230	10	2	2014	2015	2015	Reliability	Calvert	Sollers Wharf Sw. St.	St. Mary's	Hewitt Rd. Sw. St
SMECO	69	4.3	1	2016	2017	2017	Reliability	Calvert	Sunderland	Calvert	Huntingtown
SMECO	69	6.8	1	02/2014	2015	2015	Capacity / Reliability	Charles	Hawkins Gate	Charles	Westlake
SMECO	69	4	2	2015	2016	2016	Capacity	Charles	Hawkins Gate	Charles	Wooded Glen
SMECO	69	3	1	2015	2016	2016	Capacity	Charles	Wooded Glen	Charles	Dorchester



**Table 4 (Continued): Transmission Enhancements, by Service Territory**

Transmission Owner	Voltage (kV)	Length (miles)	No. of Circuits	Start Date	Comp. Date	In-Service Date	Purpose	Start location		End Location	
								County	Terminal	County	Terminal
DPL	138	12.33	1	1/1/2011	5/31/2012	5/31/2012	Baseline Transmission Reliability	Worcester	Bishop	Sussex	Indian River
DPL	69	18.41	1	1/1/2012	12/31/2012	12/31/2012	Baseline Transmission Reliability	Dorchester	Todd	Talbot	Trappe
DPL	138/230	N/A	N/A	10/1/2010	5/31/2013	5/31/2013	Baseline Transmission Reliability	Cecil	Cecil	Cecil	Cecil
DPL	138/230	N/A	N/A	6/1/2012	5/31/2013	5/31/2013	Baseline Transmission Reliability	Caroline	Steele	Caroline	Steele
DPL	138	N/A	N/A	4/30/2012	12/31/2013	12/31/2013	Baseline Transmission Reliability	Worcester	138th Street	Worcester	SVC site at 138th St. Sub.
DPL	69	2.61	1	1/1/2012	12/31/2013	12/31/2013	Baseline Transmission Reliability	Worcester	Ocean Bay	Worcester	Mardel
DPL	138	12.33	1	8/1/2013	6/1/2014	6/1/2014	Baseline Transmission Reliability	New Castle	Townsend	Queen Annes	Church
DPL	138	25.9	1	1/1/2014	6/1/2015	6/1/2015	Baseline Transmission Reliability	Queen Annes	Wye Mills	Queen Annes	Church
DPL	138	5.22	1	9/1/2014	6/1/2015	6/1/2015	Baseline Transmission Reliability	Cecil	Cecil	New Castle	Glasgow
DPL	69	19.13	1	1/1/2015	5/31/2016	5/31/2016	Baseline Transmission Reliability	Accomack	Wattsville	Worcester	Kenney
PEPCO	230	Bus Upgrade	2	1/2012	5/2012	5/2012	Baseline Transmission Reliability	Montgomery	Quince Orchard	Montgomery	Bells Mill Rd
PEPCO	230	5.34	2	8/2011	8/2012	8/2012	Baseline Transmission Reliability	DC	Benning	Prince George's	Ritchie
PEPCO	230	6.42	4	1/2012	6/2012	6/2012	Baseline Transmission Reliability	Prince George's Burches	Hill	Prince George's	Palmers Corner
PEPCO	230	5.01	4	1/2013	9/2013	9/2013	Baseline Transmission Reliability	Prince George's	Oak Grove	Prince George's	Ritchie
PEPCO	230	10.98	1	1/2012	'S/2014	5/2014	Baseline Transmission Reliability	Prince George's	Ritchie	DC	Buzzard Point
PEPCO	230	10.83	1	1/2012	5/2014	5/2014	Baseline Transmission Reliability	Prince George's	Ritchie	DC	Buzzard Point
PEPCO	230	8.84	2	6/2014	6/2015	6/2015	Baseline Transmission Reliability	Prince George's	Burontsville	Prince George's	Takoma

**Table 5: List of Maryland Generators, as of December 31, 2012**

Owner / Operator	Plant Name	County	Capacity Statistics (MW)		
			Nameplate	Summer	% Summer
A & N Electric Coop	Smith Island	Somerset	1.7	1.6	0.0%
AES WR Ltd Partnership	AES Warrior Run Cogeneration Facility	Allegany	229.0	180.0	1.5%
American Sugar Refining, Inc.	Domino Sugar Baltimore	Baltimore City	17.5	17.5	0.1%
BP Piney & Deep Creek LLC	Deep Creek	Garrett	20.0	18.0	0.1%
Calpine Mid-Atlantic Generation LLC	Crisfield	Somerset	11.6	10.4	0.1%
Calvert Cliffs Nuclear PP LLC	Calvert Cliffs Nuclear Power Plant	Calvert	1,828.7	1,716.0	14.1%
Exelon Generation	Notch Cliff	Baltimore	144.0	116.7	8.0%
Exelon Generation	Riverside	Baltimore	257.2	228.0	
Exelon Generation	Gould Street	Baltimore City	103.5	97.0	
Exelon Generation	Philadelphia	Baltimore City	82.8	60.9	
Exelon Generation	Westport	Baltimore City	121.5	115.8	
Exelon Generation	Perryman	Harford	404.4	353.6	
Raven Power Holdings	Brandon Shores	Anne Arundel	1,370.0	1,273.0	21.7%
Raven Power Holdings	Herbert A Wagner	Anne Arundel	1,058.5	975.9	
Raven Power Holdings	C P Crane	Baltimore	415.8	399.0	
Constellation Solar Maryland, LLC	McCormick & Co. Inc. at Belcamp	Hartford	1.4	1.4	0.0%
Criterion Power Partners LLC	Criterion Wind Project	Garrett	70.0	70.0	0.6%
Eastern Landfill Gas LLC	Eastern Landfill Gas LLC	Baltimore	3.0	3.0	0.0%
Easton Utilities Comm	Easton	Talbot	33.6	31.9	0.6%
Easton Utilities Comm	Easton 2	Talbot	38.8	37.0	
Energy Recovery Operations, Inc	Harford Waste to Energy Facility	Harford	1.2	1.1	0.0%
Exelon Power	Conowingo	Harford	530.8	572.0	4.7%
FC Landfill Energy	FC Landfill Energy	Frederick	2.2	2.0	0.0%
GenOn	Chalk Point LLC	Prince Georges	2,647.0	2,248.0	30.1%
GenOn	Morgantown Generating Plant	Charles	1,548.0	1,423.0	
GenOn	Dickerson	Montgomery	930.0	833.0	
Industrial Power Generating Company LLC	Wicomico	Wicomico	5.4	5.4	0.0%
Maryland Environmental Service	Eastern Correctional Institute	Somerset	5.8	4.6	0.0%
NAEA Rock Springs LLC	NAEA Rock Springs LLC	Cecil	772.6	658.0	5.4%
Naval Facilities Engineering Command	Goddard Steam Plant	Charles	12.4	10.0	0.1%
NewPage Corp-Luke	Luke Mill	Allegany	65.0	60.0	0.5%
NRG Solar Arrowhead LLC	FedEx Field Solar Facility	Prince George's	2.0	2.0	0.0%
NRG Vienna Operations Inc	Vienna Operations	Dorchester	180.6	168.9	1.4%
Panda-Brandywine LP	Panda Brandywine LP	Prince Georges	288.8	230.0	1.9%
Power Choice/Pepco Energy Serv	NIH Cogeneration Facility	Montgomery	22.0	21.2	0.2%
Prince George's County	Brown Station Road Plant I	Prince Georges	2.7	2.4	0.0%
Prince George's County	Brown Station Road Plant II	Prince Georges	4.0	3.2	
Roth Rock Wind Farm LLC	Roth Rock Wind Farm LLC	Garrett	40.0	40.0	0.4%
Roth Rock Wind Farm LLC	Roth Rock North Wind Farm, LLC	Garrett	10.0	10.0	
SCE Engineers	Montgomery County Oaks LFGE Plant	Montgomery	2.4	2.3	0.0%
Solo Cup Co	Solo Cup Co	Baltimore	11.2	11.2	0.1%
Town of Berlin - (MD)	Berlin	Worcester	9.0	9.0	0.1%
Trigen Inner Harbor East, LLC	Inner Harbor East Heating	Baltimore City	2.1	2.1	0.0%
Trigen-Cinergy Solutions College Park	UMCP CHP Plant	Prince Georges	27.4	20.8	0.2%
Washington Gas Energy Services, Inc.	Perdue Salisbury Photovoltaic	Wicomico	1.0	1.0	0.0%
Wheelabrator Environmental Systems	Wheelabrator Baltimore Refuse	Baltimore City	64.5	61.3	0.5%
Worcester County Renewable Energy LLC	Worcester County Renewable Energy	Worcester	2.0	2.0	0.0%
Washington Gas Energy Services, Inc.	Rock Hall	Kent	1.0	1.0	0.0%
Constellation Solar Horizons LLC	Mount Saint Mary's	Frederick	13.7	13.7	0.1%
Covanta Montgomery, Inc.	Montgomery County Resource Recovery	Montgomery	67.8	54.0	0.4%
LES Operations Services LLC	Millersville LFG	Anne Arundel	3.2	3.0	0.0%
Washington Gas Energy Services, Inc.	Kent County-Kennedyville	Kent	1.0	1.0	0.0%
Washington Gas Energy Services, Inc.	Kent County - Worton Complex	Kent	1.0	1.0	
IKEA Property Inc	IKEA College Park 411	Prince George's	1.0	1.0	0.0%
GSA Metropolitan Service Center	Central Utility Plant at White Oak	Montgomery	22.9	22.9	0.2%
Howard County - Maryland	Alpha Ridge LFG	Howard	1.0	1.0	0.0%
			<b>13,515.7</b>	<b>12,209.8</b>	<b>93.2%</b>

**Table 6: Proposed New Conventional Generation in Maryland  
PJM Queue Effective Date: December 17, 2013**

Transmission Owner	Project Name	County Location	PJM Queue Status	PJM Queue #	Fuel Type	Project Capacity (MW)	Projected In-Service Date
PEPCO	Talbert 230kV	Charles	Under Construction	S17	natural gas	225	2017 Q4
BGE	Perryman	Harford	Under Construction	S32	natural gas	256	2015 Q4
PEPCO	Morgantown-Oak Grove	St. Charles	Under Construction	V3-017	natural gas	725	2016 Q2
PEPCO	White Oak	Montgomery	Under Construction	W4-010	natural gas	53	2015 Q4
PEPCO	Burches Hill-Brandywine 230kV	Prince George's	Under Study	X3-087	natural gas	894	2017 Q2
PEPCO	Kelson Ridge 230kV	Charles	Under Construction	X4-006	natural gas	785	2016 Q2
PEPCO	Burches Hill-Chalk Point 500kV	Prince George's	Under Study	X4-035	natural gas	736	2016 Q2
ODEC	Rock Spring 500kV	Cecil	Under Study	Y1-065	natural gas	852	2017 Q2
DPL	Crisfield 25kV	Somerset	Under Study	Y2-108	oil	12	2013 Q2
APS	Damascus-Mt. Airy 34.5kV	Frederick	Under Study	Y3-029	natural gas	4	2014 Q1
DPL	Rock Springs 500kV	Cecil	Under Study	Y3-102	natural gas	1,000	2017 Q2
DPL	Rock Springs 500kV	Cecil	Under Study	Z1-041	natural gas	327	2014 Q1
PEPCO	Burches Hill-Chalk Point 500kV	Prince George's	Under Study	Z1-052	natural gas	800	2017 Q1

**Table 7: Proposed New Renewable Generation in Maryland  
PJM Queue Effective Date: December 17, 2013**

Transmission Owner	Project Name	County Location	PJM Queue Status	PJM Queue #	Fuel Type	Project Capacity (MW)	Projected In-Service Date
APS	Dans Mountain	Allegheny	Under Construction	S14	wind	70	2014 Q4
DPL	Pocomoke	Somerset	Under Study	T144	biomass	20	2010 Q1
APS	Kelso Gap 69kV	Garrett	Under Study	T16	wind	30	2011 Q4
APS	Four Mile Ridge Wind 138kV	Garrett	Under Construction	U2-030	wind	60	2014 Q4
DPL	Laurel 69kV	Wicomico	Under Study	W1-070	solar	20	2011 Q2
DPL	Worcester 25kV	Worcester	Under Study	W3-160	solar	10	2011 Q1
DPL	Loretto-Kings Creek 138kV	Somerset	Under Study	X1-096	wind	150	2014 Q4
DPL	Todd 69kV	Anne Arundel	Under Study	X3-008	solar	20	2017 Q2
DPL	West Cambridge-Vienna 69kV	Dorchester	Under Study	X3-015	solar	20	2012 Q4
DPL	Church Hill 69kV	Queen Anne	Under Construction	X3-066	solar	6	2013 Q4
APS	Deep Creek-Penn Mar 115kV	Garrett	Under Study	Y1-003	wind	60	2014 Q4
BGE	Friendship Manor	Howard	Under Construction	Y1-045	solar	2	2013 Q3
DPL	Wye Mills 69kV	Talbot	Under Study	Y1-079	solar	10	2013 Q2
DPL	Dorchester 12kV	Dorchester	Under Study	Y1-080	solar	3	2013 Q4
APS	Balenger Sewage-Thomas Bakery 34	Frederick	Under Study	Y2-096	biomass	49	2016 Q3
BGE	Otter Point 34.5kV	Baltimore	Under Construction	Y2-100	methane	4	2013 Q2
BGE	Perryman Solar	Harford	Under Construction	Y2-117	solar	20	2015 Q4
DPL	Chestertown-Millington 69kV	Kent	Under Study	Y3-033	wind	129	2015 Q3
PEPCO	Rockwalkin 69kV	Wicomico	Under Study	Y3-058	solar	15	2015 Q2
PEPCO	Ashton 480V	Montgomery	Under Construction	Y3-074	hydro	-	2014 Q3
DPL	Stockton 1 69kV	Worcester	Under Study	Z1-076	solar	17	2015 Q4
DPL	Stockton 2 69kV	Worcester	Under Study	Z1-077	solar	10	2015 Q4
DPL	Church 25kV	Queen Anne's	Under Study	Z1-081	solar	6	2017 Q1
DPL	Somerset County 25kV	Somerset	Under Study	Z1-104	storage	20	2013 Q2
DPL	Pocomoke 1 138kV	Somerset	Under Study	Z1-117	solar	10	2016 Q2
DPL	Pocomoke 2 138kV	Somerset	Under Study	Z1-118	solar	10	2016 Q2
DPL	Pocomoke 3 138kV	Somerset	Under Study	Z1-119	solar	10	2016 Q2
DPL	Loretto 1 138kV	Somerset	Under Study	Z1-120	solar	10	2016 Q2
DPL	Loretto 2 138kV	Somerset	Under Study	Z1-121	solar	10	2016 Q2
DPL	Loretto 3 138kV	Somerset	Under Study	Z1-122	solar	10	2016 Q2
DPL	Piney Grove 1 138kV	Worcester	Under Study	Z1-123	solar	10	2016 Q2
DPL	Piney Grove 2 138kV	Worcester	Under Study	Z1-124	solar	10	2016 Q2
DPL	Piney Grove 3 138kV	Worcester	Under Study	Z1-125	solar	10	2016 Q2
DPL	Piney Grove 4 138kV	Worcester	Under Study	Z1-126	solar	10	2016 Q2