

EPA'S "CLEAN POWER PLAN" RESIDENTIAL & COMMERCIAL ESTIMATED COSTS

(Note: These costs would be on top of normal rate increases, which EIA has projected)

KEY ASSUMPTIONS:

1. All CO2 reductions achieved at average cost of \$25/ton (actual costs will depend on emission reduction strategy; e.g., costs will be significantly higher for measures like solar power).
2. CO2 reduction costs passed through in wholesale rates with multiplier of 2 for estimating retail rate impact and delivery to ultimate customers.
3. Assume 20% of gas-fired power sector generation is from peaking units excluded under rule (based on actual percentage in 2012 and consistent with EPA's proposal).
4. For simplicity, assumes flat power demand from 2012 to 2030.

RESIDENTIAL & COMMERCIAL ANALYSIS							
State	Effective Proposed Reduction Requirement (lb CO2 /MWh) * by 2030	State-by-state tons reduced in year 2030 vs. 2012	Estimated Statewide Wholesale Power Cost Increase in year 2030 @\$25/ton (\$millions)	Estimated Wholesale Cost Increase per MWh (in 2030, @\$25/ton of CO2)	2013 Wholesale Weighted Average Regional Prices (\$/MWh)	Estimated 2030 Res./Comm. Retail Cost Increase v. 2012 Res./Comm. Retail Price (\$/MWh)	Estimated 2030 Res./Comm. Retail Cost Increase v. 2012 Res./Comm. Retail Price
Alabama	378	26,057,801	651	4.73	35.33	9.46	10%
Alaska	348	1,021,171	26	4.35	N/A	8.70	5%
Arizona	738	38,578,044	964	9.22	36.84	18.45	19%
Arkansas	714	21,298,704	532	8.92	35.33	17.84	24%
California	160	12,802,108	320	2.00	46.88	4.00	3%
Colorado	606	15,258,474	381	7.58	36.84	15.15	16%
Connecticut	218	3,515,805	88	2.73	65.40	5.46	4%
DC	0	0	0	0.00	45.99	0.00	0%
Delaware	393	1,297,057	32	4.91	45.99	9.83	9%
Florida	455	42,304,837	1,058	5.69	35.33	11.37	11%
Georgia	402	21,939,374	548	5.02	35.33	10.05	11%
Hawaii	234	1,139,814	28	2.93	N/A	5.85	2%
Idaho	111	806,815	20	1.39	37.42	2.78	4%
Illinois	606	58,266,511	1,457	7.57	38.11	15.15	18%
Indiana	393	21,301,307	533	4.91	38.11	9.83	12%
Iowa	250	6,745,924	169	3.12	38.11	6.24	8%
Kansas	436	9,538,389	238	5.44	36.84	10.89	12%
Kentucky	395	17,565,334	439	4.94	35.33	9.88	14%
Louisiana	564	19,297,736	482	7.05	35.33	14.09	20%
Maine	59	276,556	7	0.74	65.40	1.48	1%
Maryland	668	12,058,502	301	8.35	45.99	16.70	15%

RESIDENTIAL & COMMERCIAL ANALYSIS

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Massachusetts	345	5,196,261	130	4.32	65.40	8.63	6%
Michigan	519	26,393,767	660	6.49	38.11	12.99	12%
Minnesota	587	14,469,907	362	7.34	38.11	14.67	16%
Mississippi	395	8,729,409	218	4.94	35.33	9.88	12%
Missouri	416	18,818,966	470	5.21	35.33	10.41	12%
Montana	475	6,579,510	164	5.94	37.42	11.88	14%
Nebraska	521	8,779,026	219	6.51	36.84	13.02	16%
Nevada	341	5,072,716	127	4.26	36.84	8.53	10%
New Hampshire	405	3,605,495	90	5.07	65.40	10.14	7%
New Jersey	386	11,278,135	282	4.83	45.99	9.65	7%
New Mexico	538	9,364,105	234	6.73	36.84	13.45	15%
New York	421	25,660,892	642	5.26	65.40	10.51	7%
North Carolina	641	35,408,383	885	8.02	35.33	16.03	18%
North Dakota	211	3,798,210	95	2.64	38.11	5.28	7%
Ohio	508	31,410,176	785	6.35	45.99	12.70	14%
Oklahoma	492	17,035,500	426	6.15	36.84	12.30	16%
Oregon	345	9,997,721	250	4.31	37.42	8.63	10%
Pennsylvania	469	49,312,571	1,233	5.86	45.99	11.72	12%
Rhode Island	125	414,313	10	1.56	65.40	3.13	2%
South Carolina	363	16,677,675	417	4.53	35.33	9.07	10%
South Dakota	394	2,362,266	59	4.93	36.84	9.85	12%
Tennessee	409	15,019,074	375	5.11	35.33	10.23	11%
Texas	490	86,374,734	2,159	6.12	36.00	12.24	14%
Utah	491	9,115,759	228	6.14	37.42	12.28	16%
Vermont	0	0	0	0.00	65.40	0.00	0%
Virginia	479	15,224,399	381	5.99	45.99	11.98	13%
Washington	539	30,804,756	770	6.73	37.42	13.47	19%
West Virginia	399	14,435,940	361	4.99	45.99	9.98	12%
Wisconsin	618	18,360,701	459	7.73	38.11	15.46	15%
Wyoming	401	9,693,533	242	5.01	36.84	10.03	14%
Totals		840,464,163	21,007				

* These are the reductions required beyond EPA's special treatment of at-risk and under construction nuclear.

Sources: EPA, EIA