

EERE GPRA2003 Metric Estimates

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	Total Primary Energy Displaced (Tbtu)			Energy Costs or Savings (Billion \$)			Carbon Emission Displaced (MMTCe)		
	2005	2010	2020	2005	2010	2020	2005	2010	2020
Office of Build Tech, State, and Comm Progs (BTS)									
Commercial Buildings Integration	4	42	239	\$0.03	\$0.28	\$1.82	0.07	0.78	4.41
Community Energy Program	122	202	353	\$0.76	\$1.34	\$2.72	2.19	3.89	6.56
Energy Star Program	41	169	568	\$0.29	\$1.38	\$5.37	0.75	3.38	10.93
Equipment, Materials, and Tools	59	368	1,359	\$0.88	\$5.54	\$18.12	1.08	7.07	24.94
Residential Buildings Integration	1	12	74	\$0.01	\$0.09	\$0.58	0.02	0.21	1.24
State Energy Program	12	28	48	\$0.07	\$0.18	\$0.35	0.22	0.55	0.91
Weatherization Assistance Program	25	66	123	\$0.18	\$0.47	\$0.92	0.42	1.11	2.04
BTS Non-Integrated Total	265	885	2,763	\$2.20	\$9.27	\$29.88	4.74	17.00	51.03
BTS Integrated Total	290	900	1,920	\$2.20	\$7.10	\$17.10	5.10	16.50	32.70
Federal Energy Management Program (FEMP)									
FEMP	16	37	60	\$0.08	\$0.19	\$0.34	0.30	0.72	1.12
FEMP Non-Integrated Total	16	37	60	\$0.08	\$0.19	\$0.34	0.30	0.72	1.12
FEMP Integrated Total	16	37	60	\$0.08	\$0.19	\$0.34	0.29	0.72	1.12
Office of Industrial Technologies (OIT)									
Agriculture Vision	61	189	545	\$0.35	\$1.00	\$2.84	0.24	1.07	4.71
Aluminum Vision	17	76	194	\$0.05	\$0.28	\$0.80	0.31	1.95	6.07
Best Practices	35	169	438	\$0.10	\$0.51	\$1.53	0.49	2.55	6.39
Chemicals Vision	96	233	786	\$0.29	\$0.73	\$2.68	1.66	4.05	13.86
Combustion	16	34	106	\$0.05	\$0.11	\$0.40	0.24	0.52	1.60
Forest & Paper Products Vision	32	187	971	\$0.19	\$0.90	\$4.87	0.76	4.35	24.14
Glass Vision	15	31	79	\$0.05	\$0.11	\$0.31	0.26	0.56	1.51
Industrial Assessment Centers (IAC)	14	40	58	\$0.06	\$0.19	\$0.32	0.24	0.76	1.04
Industrial Materials	31	74	207	\$0.05	\$0.16	\$0.51	0.31	0.86	2.62
Inventions & Innovations	61	112	283	\$0.20	\$0.40	\$1.05	1.00	1.98	5.13
Metals Casting Vision	21	35	75	\$0.08	\$0.16	\$0.36	0.39	0.79	1.83
Mining Vision	41	76	167	\$0.16	\$0.34	\$0.76	0.80	1.75	4.04
NICE3	21	45	121	\$0.07	\$0.17	\$0.51	0.36	0.83	2.41
Petroleum Refining Vision	17	36	122	\$0.06	\$0.13	\$0.47	0.31	0.69	2.42
Sensors and Controls	1	9	37	\$0.00	\$0.03	\$0.12	0.03	0.22	0.85
Steel Vision	30	71	151	\$0.07	\$0.18	\$0.42	0.49	1.54	4.05
OIT Non-Integrated Total	508	1,417	4,341	\$1.84	\$5.39	\$17.96	7.89	24.47	82.67
OIT Integrated Total	530	1,330	3,350	\$1.90	\$5.50	\$16.60	8.40	23.00	54.60
Office of Power Technologies (OPT)									
Biomass Power R&D	200	550	800	(\$0.20)	(\$0.70)	(\$1.00)	4.70	14.00	20.50
Competitive Solicitation	5	5	5	\$0.01	\$0.01	\$0.01	0.06	0.06	0.06
Concentrating Solar Power	2	13	100	\$0.01	\$0.03	\$0.30	0.05	0.25	2.10
Distributed Energy Resources	300	400	550	\$1.25	\$2.05	\$3.50	5.65	10.50	14.00
Geothermal Energy R&D	85	400	650	\$0.20	\$0.80	\$1.80	1.65	7.70	13.00
High Temperature Superconductivity	5	100	350	\$0.00	\$0.20	\$0.90	0.10	1.95	6.60
Hydrogen	0	50	500	\$0.00	\$0.20	\$3.85	0.10	2.00	18.00
Hydropower	0	0	0	\$0.00	\$0.00	\$0.00	0.00	0.00	0.00
Photovoltaic Systems R&D	5	20	100	\$0.01	\$0.05	\$0.20	0.10	0.40	1.60
REPI	35	30	25	\$0.10	\$0.05	\$0.05	14.75	13.50	11.50
Solar Buildings	15	45	150	\$0.10	\$0.30	\$1.00	0.20	0.65	2.20
Solar International	0	0	0	\$0.00	\$0.00	\$0.00	0.00	0.00	0.00
Wind Energy R&D	50	550	1,700	\$0.15	\$1.20	\$4.55	1.10	11.50	33.00
OPT Non-Integrated Total	702	2,163	4,930	\$1.62	\$4.18	\$15.16	28.46	62.51	122.56
OPT Integrated Total	310	1,000	2,030	\$2.10	\$4.80	\$10.60	6.50	20.40	36.00
Office of Transportation Technologies (OTT)									
Advanced Combustion Engine R&D	1	134	471	\$0.02	\$2.19	\$7.15	0.02	2.39	8.38
Biofuels	17	169	973	\$3.01	\$11.69	\$16.42	0.32	3.18	18.27
Electric Vehicles R&D	15	34	142	\$0.66	\$1.46	\$3.47	0.00	0.12	2.01
Fuel Cell R&D	0	2	368	\$0.00	\$0.03	\$3.78	0.00	0.04	7.16
Fuels Utilization	0	0	0	\$0.00	\$0.00	\$0.00	0.00	0.00	0.00
Heavy Vehicle Systems R&D	1	156	1,132	\$0.01	\$1.94	\$12.40	0.02	2.96	21.86
Hybrid Systems R&D	10	182	1,499	\$0.10	\$1.99	\$16.00	0.19	3.53	29.02
Materials Technologies	0	6	93	\$0.00	\$0.06	\$0.98	0.01	0.11	1.80
Technology Deployment	0	0	0	\$0.09	\$0.39	\$1.29	1.72	2.05	3.57
OTT Non-Integrated Total	44	684	4,678	\$3.90	\$19.76	\$61.48	2.28	14.38	92.07
OTT Integrated Total	30	490	2,800	\$0.80	\$9.40	\$31.50	0.70	8.90	54.50
EERE Non-Integrated Total	1,534	5,185	16,772	\$9.63	\$38.78	\$124.81	43.66	119.08	349.45
EERE Integrated Total	1,176	3,757	10,160	\$7.08	\$26.99	\$76.14	20.99	69.52	178.92