

Federal Energy Management Program (FEMP)

GPRA2003 Sector Summary

FEMP GPRA Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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Energy Metrics

Total Primary Energy Displaced (Trillion Btu)	5.510	10.870	16.040	20.530	25.400	36.630	48.380	59.690	71.820	83.360
Direct Electricity Displaced (Billion Kilowatthours)	0.368	0.729	1.084	1.433	1.776	2.769	3.876	4.928	5.929	6.881
Direct Natural Gas Displaced (Billion Cubic Feet)	0.890	1.770	2.630	3.480	4.310	6.730	9.470	12.070	14.540	16.890
Direct Petroleum Displaced (Million Barrels)	0.051	0.102	0.151	0.200	0.248	0.387	0.541	0.686	0.825	0.957
Direct Coal Displaced (Million Short Tons)	0.013	0.025	0.037	0.049	0.061	0.095	0.133	0.169	0.203	0.236
Direct Biomass Displaced (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Direct Energy Displaced From Feedstocks (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Direct Energy Displaced From Wastes (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Other Direct Energy Displaced (Trillion Btu)	0	0	0	0	0	0	0	0	0	0

Financial Metrics

Energy Costs or Savings (Millions of 1999 \$'s)	27.600	54.100	79.700	103.800	126.900	189.900	264.600	342.600	400.600	453.100
Non-Energy Savings or Costs (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
EERE Expenditures (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
Other Government Expenditures (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
Private Sector Expenditures (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0

FEMP GPRA Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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Environmental Metrics

CO Displaced (MMTons)	125.000	247.000	353.000	437.000	505.000	730.000	1,000.000	1,274.000	1,533.000	1,780.000
Carbon Equivalent Emissions Displaced (MMTCe)	0.098	0.195	0.295	0.387	0.495	0.717	0.924	1.122	1.350	1.567
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0
SO2 Displaced (MMTons)	1,114.00 0	2,268.000	3,667.000	5,170.000	7,150.000	8,304.000	9,379.000	10,378.00 0	10,905.00 0	11,390.00 0
NOX Displaced (MMTons)	799.000	1,607.000	2,497.000	3,324.000	4,327.000	5,039.000	5,705.000	6,329.000	6,710.000	7,069.000
Particulates Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
VOCs Displaced (MMTons)	16.130	31.800	35.420	45.490	56.300	65.400	73.900	81.830	87.590	93.160
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
Other Environmental Benefits (MMTons)	0	0	0	0	0	0	0	0	0	0
PM10 Displaced (MMTons)	21.800	43.000	74.800	95.600	136.200	163.800	191.500	219.400	228.400	236.300

Energy-Cumulative Metrics

Total Primary Energy Displaced (Trillion Btu)	5.510	16.380	32.420	52.950	78.350	177.580	396.840	673.200	1,008.280	1,402.260
Direct Electricity Displaced (Billion Kilowatthours)	0.370	1.100	2.180	3.610	5.390	12.710	29.900	52.460	80.120	112.640
Direct Natural Gas Displaced (Billion Cubic Feet)	0.890	2.660	5.290	8.770	13.090	30.890	72.820	128.020	195.830	275.640
Direct Petroleum Displaced (Million Barrels)	0.050	0.150	0.300	0.500	0.750	1.780	4.180	7.320	11.170	15.690
Direct Coal Displaced (Million Short Tons)	0.010	0.040	0.070	0.120	0.180	0.440	1.020	1.800	2.740	3.660
Direct Biomass Displaced (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Direct Energy Displaced From Feedstocks (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Direct Energy Displaced From Wastes (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Other Direct Energy Displaced (Trillion Btu)	0	0	0	0	0	0	0	0	0	0

FEMP GPRA Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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Financial-Cumulative Metrics

Energy Costs or Savings (Millions of 1999 \$'s)	27.610	81.750	161.410	265.220	392.090	900.640	2,075.290	3,632.320	5,521.830	7,684.430
Non-Energy Savings or Costs (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
EERE Expenditures (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
Other Government Expenditures (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
Private Sector Expenditures (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0

Environmental-Cumulative Metrics

CO Displaced (MMTons)	125.000	372.000	724.000	1,161.000	1,666.000	3,642.000	8,112.000	13,939.000	21,092.000	29,503.000
Carbon Equivalent Emissions Displaced (MMTCe)	0.098	0.293	0.588	0.976	1.470	3.409	7.635	12.863	19.161	26.565
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0
SO2 Displaced (MMTons)	1,114.000	3,382.000	7,049.000	12,219.000	19,369.000	47,429.000	106,411.000	175,953.000	258,429.000	355,373.000
NOX Displaced (MMTons)	799.000	2,407.000	4,904.000	8,228.000	12,555.000	29,628.000	66,570.000	111,693.000	165,855.000	229,532.000
Particulates Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
VOCs Displaced (MMTons)	16.000	48.000	83.000	129.000	185.000	406.000	898.000	1,521.000	2,277.000	3,167.000
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
Other Environmental Benefits (MMTons)	0	0	0	0	0	0	0	0	0	0
PM10 Displaced (MMTons)	22.000	65.000	140.000	235.000	371.000	946.000	2,158.000	3,608.000	5,362.000	7,425.000

FEMP GPRA Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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Energy-Lifecycle Metrics

Total Primary Energy Displaced (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Direct Electricity Displaced (Billion Kilowatthours)	0	0	0	0	0	0	0	0	0	0
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	0	0	0	0	0	0	0	0
Direct Petroleum Displaced (Million Barrels)	0	0	0	0	0	0	0	0	0	0
Direct Coal Displaced (Million Short Tons)	0	0	0	0	0	0	0	0	0	0
Direct Biomass Displaced (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Direct Energy Displaced From Feedstocks (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Direct Energy Displaced From Wastes (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Other Direct Energy Displaced (Trillion Btu)	0	0	0	0	0	0	0	0	0	0

Financial-Lifecycle Metrics

Energy Costs or Savings (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
Non-Energy Savings or Costs (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
EERE Expenditures (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
Other Government Expenditures (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0
Private Sector Expenditures (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0

FEMP GPRA Metric Data

Metric

2003

2004

2005

2006

2007

2010

2015

2020

2025

2030

Environmental-Lifecycle Metrics

CO Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0
SO2 Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
NOX Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
Particulates Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
VOCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
Other Environmental Benefits (MMTons)	0	0	0	0	0	0	0	0	0	0
PM10 Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0