

Office of Power Technologies (OPT)

GPRA2003 Sector Summary

OPT 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)	195.500	396.000	701.500	972.000	1,338.000	2,163.000	3,510.000	4,930.000	6,130.000	7,330.000
Direct Electricity Displaced (Billion Kilowatthours)	17.010	27.900	46.400	68.900	98.500	174.500	338.250	510.650	647.650	770.150
Direct Natural Gas Displaced (Billion Cubic Feet)	118.600	187.750	290.600	383.650	483.550	817.050	1,618.200	2,389.750	3,010.250	3,559.750
Direct Petroleum Displaced (Million Barrels)	3.580	4.660	4.635	6.970	9.345	9.770	27.450	58.850	87.700	116.050
Direct Coal Displaced (Million Short Tons)	3.625	8.965	17.095	25.430	38.375	59.945	79.285	100.235	121.185	139.835
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)	740.000	1,130.000	1,615.000	2,130.000	2,535.000	4,180.000	8,705.000	15,155.000	21,105.000	27,055.000
Non-Energy Savings or Costs (Millions of 1999 \$'s)	5.000	20.000	0	(20.000)	(35.000)	25.000	235.000	470.000	665.000	895.000
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)	1,000.000	550.000	850.000	850.000	950.000	700.000	1,400.000	1,400.000	1,100.000	700.000
Private Sector Expenditures (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0

OPT GPRA Metric Data

Metric

2003

2004

2005

2006

2007

2010

2015

2020

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Environmental Metrics

CO Displaced (MMTons)	0	0	0	(0.050)	(0.050)	(0.050)	(0.100)	(0.100)	(0.100)	(0.100)
Carbon Equivalent Emissions Displaced (MMTCe)	17.605	21.955	28.455	34.710	44.410	62.510	90.610	122.560	152.010	180.710
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0
SO2 Displaced (MMTons)	0.041	0.113	0.215	0.332	0.508	0.850	1.245	1.580	1.990	2.300
NOX Displaced (MMTons)	0.036	0.087	0.168	0.274	0.341	0.585	0.875	1.270	1.560	1.905
Particulates Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
VOCs Displaced (MMTons)	0	0	(0.005)	(0.005)	(0.005)	(0.010)	(0.010)	(0.015)	(0.015)	(0.015)
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	(0.005)	(0.010)	(0.010)	(0.010)	(0.010)	(0.010)	(0.015)	(0.010)	0

Energy-Cumulative 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

OPT GPRA Metric Data

Metric

2003

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2005

2006

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2010

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2020

2025

2030

Financial-Cumulative 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)	1,000.00 0	1,300.000	1,750.000	2,300.000	2,250.000	5,800.000	11,350.00 0	19,500.00 0	19,600.00 0	19,050.00 0
Private Sector Expenditures (Millions of 1999 \$'s)	0	0	0	0	0	0	0	0	0	0

Environmental-Cumulative 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

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2003

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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

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Metric

2003

2004

2005

2006

2007

2010

2015

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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