Agriculture Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	60.530	86.200	111.860	188.860	354.600	545.000	801.000	1,207.800
Direct Electricity Displaced (Billion Kilowatthours)	0	0	(3.500)	(4.260)	(5.020)	(7.300)	(9.300)	(10.600)	(12.100)	(14.100)
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	24.880	31.810	38.750	59.560	92.100	116.000	136.100	156.800
Direct Petroleum Displaced (Million Barrels)	0	0	4.500	5.870	7.300	11.600	19.800	34.700	64.800	120.500
Direct Coal Displaced (Million Short Tons)	0	0	(0.400)	(0.470)	(0.540)	(0.700)	(0.800)	(0.900)	(1.000)	(1.200)
Direct Biomass Displaced (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Direct Energy Displaced From Feedstocks (Trillion Btu)	0	0	53.400	69.930	86.500	136.200	236.300	320.300	394.500	475.100
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	(0.010)	0.140	0.300	0.800	2.600	5.200	7.300	8.500
Financial Metrics										
Energy Costs or Savings (Millions of 1999 $'s)	0	0	345.200	475.530	605.820	996.700	1,873.200	2,844.700	4,328.200	6,651.700
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)	7.259	7.259	7.259	7.259	7.259	7.259	7.259	7.259	7.259	7.259
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	(0.010)	(0.013)	(0.016)	(0.025)	(0.043)	(0.067)	(0.103)	(0.164)
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.240	0.410	0.570	1.070	2.580	4.710	8.270	14.500
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0.001
SO2 Displaced (MMTons)	0	0	0.002	0.005	0.008	0.017	0.043	0.083	0.164	0.314
NOX Displaced (MMTons)	0	0	(0.003)	(0.004)	(0.004)	(0.005)	(0.004)	0.002	0.014	0.038
Particulates Displaced (MMTons)	0	0	(0.003)	(0.004)	(0.005)	(0.009)	(0.015)	(0.022)	(0.034)	(0.054)
VOCs Displaced (MMTons)	0	0	0	0.002	0.004	0.010	0.026	0.030	0.034	0.039
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0

Agriculture Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Other Environmental Benefits (MMTons)	0	0	0	0.007	0.014	0.035	0.115	0.209	0.282	0.341
PM10 Displaced (MMTons)	0	0	0	0	0	0	0	0	0	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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Agriculture Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Agriculture Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Aluminum Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	17.060	28.840	40.630	75.990	132.600	194.350	273.040	364.530
Direct Electricity Displaced (Billion Kilowatthours)	0	0	0.830	1.670	2.510	5.020	8.870	13.840	20.440	28.800
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	4.470	7.800	11.120	21.090	41.430	60.450	80.380	99.810
Direct Petroleum Displaced (Million Barrels)	0	0	0.160	0.190	0.210	0.300	0.490	0.700	0.940	1.200
Direct Coal Displaced (Million Short Tons)	0	0	0.070	0.110	0.140	0.240	0.420	0.530	0.590	0.650
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)	0	0	54.680	99.190	143.680	277.180	507.850	797.490	1,164.860	1,618.150
Non-Energy Savings or Costs (Millions of 1999 $'s)	0	0	6.340	6.750	7.150	8.370	18.190	36.650	66.060	102.310
EERE Expenditures (Millions of 1999 $'s)	8.103	8.103	8.103	8.103	8.103	8.103	8.103	8.103	8.103	8.103
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0	0.001	0.001	0.002	0.004	0.006	0.009	0.011
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.310	0.640	0.960	1.950	3.910	6.070	8.330	10.860
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0.001	0.001	0.001
SO2 Displaced (MMTons)	0	0	0.004	0.007	0.010	0.019	0.032	0.048	0.069	0.094
NOX Displaced (MMTons)	0	0	0.003	0.005	0.007	0.013	0.023	0.035	0.050	0.068
Particulates Displaced (MMTons)	0	0	0	0	0	0	0.001	0.001	0.001	0.002
VOCs Displaced (MMTons)	0	0	0	0	0	0	0	0.001	0.001	0.001
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0

Aluminum Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Other Environmental Benefits (MMTons)	0	0	0	0	0	0	0	0	0	0
PM10 Displaced (MMTons)	0	0	0	0	Blank	0	0	0	0	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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Aluminum Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Aluminum Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Best Practices (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	10.700	21.400	34.700	61.600	88.500	169.100	303.500	437.900	572.300	706.700
Direct Electricity Displaced (Billion Kilowatthours)	0.500	1.000	1.640	3.040	4.380	9.380	18.360	27.750	36.260	44.780
Direct Natural Gas Displaced (Billion Cubic Feet)	2.080	4.160	6.750	11.970	17.190	32.870	58.990	85.110	111.200	137.400
Direct Petroleum Displaced (Million Barrels)	0.046	0.092	0.150	0.265	0.381	0.729	1.308	1.887	2.467	3.046
Direct Coal Displaced (Million Short Tons)	0.031	0.062	0.100	0.177	0.255	0.487	0.874	1.260	1.647	2.034
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)	2.300	4.600	7.460	13.240	19.020	36.360	65.250	94.150	123.040	151.940
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)	31.000	62.000	99.000	179.000	252.000	511.000	987.000	1,533.000	2,057.000	2,609.000
Non-Energy Savings or Costs (Millions of 1999 $'s)	67.000	137.000	219.000	304.000	392.000	603.000	657.000	658.000	658.000	658.000
EERE Expenditures (Millions of 1999 $'s)	8.070	8.070	8.070	8.070	8.070	8.070	8.070	8.070	8.070	8.070
Other Government Expenditures (Millions of 1999	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)	56.000	112.000	179.000	322.000	453.000	921.000	1,776.000	2,759.000	3,702.000	4,696.000
Environmental Metrics										
CO Displaced (MMTons)	0	0	0.001	0.001	0.001	0.003	0.005	0.008	0.010	0.012
Carbon Equivalent Emissions Displaced (MMTCe)	0.150	0.300	0.490	0.900	1.330	2.550	4.490	6.390	8.350	10.310
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0
SO2 Displaced (MMTons)	0.002	0.003	0.006	0.011	0.018	0.035	0.057	0.078	0.102	0.126
NOX Displaced (MMTons)	0.001	0.002	0.004	0.008	0.012	0.023	0.039	0.055	0.072	0.089
Particulates Displaced (MMTons)	0	0	0	0	0	0.001	0.001	0.002	0.002	0.003
VOCs Displaced (MMTons)	0	0	0	0	0	0	0.001	0.001	0.001	0.001
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0

Best Practices (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Best Practices (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Best Practices (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Chemicals Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	96.480	123.850	151.220	233.340	457.820	786.080	1,195.350	1,652.700
Direct Electricity Displaced (Billion Kilowatthours)	0	0	2.330	2.830	3.320	4.810	8.900	15.350	24.860	38.540
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	43.380	55.860	68.340	105.780	221.580	395.610	606.850	834.930
Direct Petroleum Displaced (Million Barrels)	0	0	2.980	4.160	5.340	8.890	17.570	30.090	44.160	57.010
Direct Coal Displaced (Million Short Tons)	0	0	0.120	0.160	0.200	0.310	0.620	1.100	1.720	2.480
Direct Biomass Displaced (Trillion Btu)	0	0	0	0	0	0	0	0	0	0
Direct Energy Displaced From Feedstocks (Trillion Btu)	0	0	6.130	7.940	9.740	15.150	27.090	42.000	57.860	74.220
Direct Energy Displaced From Wastes (Trillion Btu)	0	0	0	0.050	0.110	0.280	0.760	1.940	4.380	8.520
Other Direct Energy Displaced (Trillion Btu)	0	0	1.450	2.210	2.970	5.240	8.310	10.680	12.970	15.200
Financial Metrics										
Energy Costs or Savings (Millions of 1999 $'s)	0	0	293.180	380.420	467.670	729.390	1,486.580	2,681.140	4,335.010	6,372.790
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)	14.458	14.458	14.458	14.458	14.458	14.458	14.458	14.458	14.458	14.458
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0.002	0.004	0.005	0.009	0.019	0.036	0.057	0.081
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	1.660	2.130	2.610	4.050	7.990	13.860	21.270	29.890
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0.001	0.001	0.002	0.003	0.004
SO2 Displaced (MMTons)	0	0	0.016	0.022	0.027	0.043	0.084	0.146	0.225	0.316
NOX Displaced (MMTons)	0	0	0.013	0.016	0.020	0.031	0.063	0.111	0.172	0.244
Particulates Displaced (MMTons)	0	0	0.001	0.001	0.001	0.002	0.003	0.005	0.007	0.009
VOCs Displaced (MMTons)	0	0	0	0	0	0.001	0.001	0.002	0.004	0.005
HCs Displaced (MMTons)	0	0	0.003	0.004	0.005	0.008	0.013	0.015	0.017	0.019

Chemicals Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Other Environmental Benefits (MMTons)	0	0	31.920	42.680	53.430	85.690	130.560	155.550	174.440	193.270
PM10 Displaced (MMTons)	0	0	0	0	0	0	0	0	0	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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Chemicals Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Chemicals Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Combustion (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	15.840	19.510	23.180	34.180	65.210	105.880	147.110	182.600
Direct Electricity Displaced (Billion Kilowatthours)	0	0	0	0	0	0	0	0	0	0
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	13.530	16.650	19.780	29.160	55.550	90.080	124.900	154.940
Direct Petroleum Displaced (Million Barrels)	0	0	0.330	0.410	0.490	0.730	1.400	2.290	3.210	4.020
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 Metrics										
Energy Costs or Savings (Millions of 1999 $'s)	0	0	50.570	63.180	75.790	113.600	225.370	395.730	583.400	768.950
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)	18.390	18.390	18.390	18.390	18.390	18.390	18.390	18.390	18.390	18.390
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.240	0.290	0.350	0.520	0.980	1.600	2.220	2.760
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	0.010	0.010	0.010
NOX Displaced (MMTons)	0	0	0	0	0	0	0.010	0.010	0.020	0.020
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

Combustion (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Combustion (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Combustion (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Forest & Paper Products Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	31.680	62.680	93.680	186.700	477.000	970.600	1,702.700	2,396.900
Direct Electricity Displaced (Billion Kilowatthours)	0	0	1.738	4.619	7.500	16.140	45.050	104.800	191.400	274.600
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	6.710	10.640	14.560	26.330	61.730	98.290	131.900	158.400
Direct Petroleum Displaced (Million Barrels)	0	0	0.113	0.190	0.267	0.499	1.430	2.230	2.800	3.310
Direct Coal Displaced (Million Short Tons)	0	0	0.250	0.350	0.450	0.750	1.010	1.190	1.340	1.500
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)	0	0	192.800	335.200	477.500	904.500	2,264.400	4,873.400	8,317.200	11,408.600
Non-Energy Savings or Costs (Millions of 1999 $'s)	0	0	9.290	22.910	36.530	77.390	166.800	212.700	226.700	236.100
EERE Expenditures (Millions of 1999 $'s)	11.827	11.827	11.827	11.827	11.827	11.827	11.827	11.827	11.827	11.827
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0.001	0.002	0.002	0.005	0.013	0.029	0.050	0.071
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.758	1.480	2.200	4.350	11.120	24.140	42.420	59.940
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0.025	0.027	0.030	0.036	0.052	0.076	0.108	0.150
SO2 Displaced (MMTons)	0	0	0.009	0.015	0.022	0.042	0.100	0.210	0.367	0.520
NOX Displaced (MMTons)	0	0	0.006	0.011	0.016	0.032	0.081	0.174	0.304	0.430
Particulates Displaced (MMTons)	0	0	0	0.001	0.001	0.001	0.003	0.006	0.009	0.013
VOCs Displaced (MMTons)	0	0	0.008	0.011	0.014	0.024	0.039	0.050	0.061	0.075
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0

Forest & Paper Products Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Other Environmental Benefits (MMTons)	0	0	0	0.001	0.001	0.001	0.001	0.001	0.002	0.002
PM10 Displaced (MMTons)	0	0	0	0	0	0	0	0	0	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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Forest & Paper Products Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Forest & Paper Products Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Glass Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	15.200	18.270	21.340	30.600	53.900	79.300	105.700	130.300
Direct Electricity Displaced (Billion Kilowatthours)	0	0	0.450	0.540	0.640	0.930	1.600	2.440	3.320	4.160
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	10.130	12.460	14.790	21.780	38.760	57.370	75.600	92.620
Direct Petroleum Displaced (Million Barrels)	0	0	0.040	0.040	0.050	0.080	0.140	0.240	0.340	0.430
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 Metrics										
Energy Costs or Savings (Millions of 1999 $'s)	0	0	51.100	63.200	75.350	111.800	200.400	307.800	424.400	542.300
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)	4.572	4.572	4.572	4.572	4.572	4.572	4.572	4.572	4.572	4.572
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0	0.001	0.001	0.001	0.002	0.002	0.003	0.004
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.260	0.320	0.380	0.560	0.990	1.510	2.030	2.520
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0
SO2 Displaced (MMTons)	0	0	0.001	0.001	0.001	0.002	0.003	0.005	0.006	0.008
NOX Displaced (MMTons)	0	0	0.002	0.002	0.002	0.004	0.006	0.009	0.013	0.016
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

Glass Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Glass Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Glass Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Industrial Assessment Centers (IAC) (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	4.020	8.300	13.670	19.300	25.180	40.360	50.220	57.700	59.250	59.250
Direct Electricity Displaced (Billion Kilowatthours)	0.250	0.530	0.880	1.300	1.700	3.040	4.130	4.970	5.110	5.110
Direct Natural Gas Displaced (Billion Cubic Feet)	1.060	2.180	3.590	5.060	6.610	10.590	13.180	15.140	15.550	15.550
Direct Petroleum Displaced (Million Barrels)	0.030	0.060	0.100	0.140	0.180	0.290	0.360	0.420	0.430	0.430
Direct Coal Displaced (Million Short Tons)	0	0	0.010	0.010	0.010	0.020	0.020	0.020	0.020	0.020
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)	18.800	38.400	62.200	89.100	114.100	194.700	260.900	323.400	341.300	350.900
Non-Energy Savings or Costs (Millions of 1999 $'s)	67.000	137.000	219.000	304.000	392.000	603.000	657.000	658.000	658.000	658.000
EERE Expenditures (Millions of 1999 $'s)	6.859	6.859	6.859	6.859	6.859	6.859	6.859	6.859	6.859	6.859
Other Government Expenditures (Millions of 1999	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)	23.000	46.000	75.000	107.000	137.000	234.000	313.000	388.000	410.000	421.000
Environmental Metrics										
CO Displaced (MMTons)	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.001
Carbon Equivalent Emissions Displaced (MMTCe)	0.068	0.142	0.241	0.348	0.469	0.758	0.923	1.044	1.072	1.072
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0
SO2 Displaced (MMTons)	0.001	0.001	0.003	0.004	0.006	0.010	0.011	0.012	0.012	0.012
NOX Displaced (MMTons)	0.001	0.001	0.002	0.003	0.004	0.007	0.008	0.009	0.009	0.009
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

Industrial Assessment Centers (IAC) (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Industrial Assessment Centers (IAC) (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Industrial Assessment Centers (IAC) (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Industrial Materials (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	30.800	39.520	48.240	74.390	132.600	207.200	283.500	362.300
Direct Electricity Displaced (Billion Kilowatthours)	0	0	0.365	0.525	0.684	1.163	2.222	4.341	7.552	11.760
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	11.560	15.950	20.340	33.520	57.610	84.590	106.200	125.700
Direct Petroleum Displaced (Million Barrels)	0	0	0.056	0.067	0.079	0.113	0.187	0.299	0.393	0.474
Direct Coal Displaced (Million Short Tons)	0	0	0.020	0.024	0.027	0.038	0.117	0.237	0.486	1.040
Direct Biomass Displaced (Trillion Btu)	0	0	0	(0.438)	(0.876)	(2.191)	(4.982)	(10.700)	(20.720)	(34.570)
Direct Energy Displaced From Feedstocks (Trillion Btu)	0	0	9.356	11.560	13.760	20.380	39.240	64.330	90.210	113.000
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	4.954	5.928	6.901	9.820	17.220	25.710	32.860	37.540
Financial Metrics										
Energy Costs or Savings (Millions of 1999 $'s)	0	0	54.700	76.140	97.580	161.900	296.600	511.200	762.600	1,070.100
Non-Energy Savings or Costs (Millions of 1999 $'s)	0	0	147.100	197.600	248.200	399.800	714.400	956.700	1,144.800	1,294.900
EERE Expenditures (Millions of 1999 $'s)	13.698	13.698	13.698	13.698	13.698	13.698	13.698	13.698	13.698	13.698
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0	0	0	0	0	(0.001)	(0.003)	(0.006)
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.305	0.417	0.529	0.865	1.579	2.620	3.892	5.500
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0.001	0.001
SO2 Displaced (MMTons)	0	0	0.002	0.002	0.003	0.004	0.009	0.017	0.030	0.050
NOX Displaced (MMTons)	0	0	0.002	0.003	0.004	0.006	0.011	0.018	0.028	0.040
Particulates Displaced (MMTons)	0	0	0.045	0.056	0.066	0.097	0.188	0.314	0.444	0.550
VOCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0.001	0.001
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0

Industrial Materials (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Industrial Materials (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Industrial Materials (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Inventions & Innovations (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	50.740	60.940	71.150	81.360	111.980	194.040	282.880	365.450	424.010
Direct Electricity Displaced (Billion Kilowatthours)	0	1.850	2.290	2.740	3.180	4.500	7.800	11.640	15.110	17.740
Direct Natural Gas Displaced (Billion Cubic Feet)	0	24.650	30.840	37.020	43.210	61.780	108.600	163.100	211.000	245.000
Direct Petroleum Displaced (Million Barrels)	0	0	0	0	0	0	0	0	0	0
Direct Coal Displaced (Million Short Tons)	0	0.140	0.170	0.200	0.230	0.320	0.530	0.740	0.890	0.980
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)	0	155.550	195.590	235.640	275.690	395.830	694.780	1,052.000	1,391.100	1,658.500
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)	4.370	4.370	4.370	4.370	4.370	4.370	4.370	4.370	4.370	4.370
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0.001	0.001	0.002	0.002	0.003	0.005	0.007	0.009	0.011
Carbon Equivalent Emissions Displaced (MMTCe)	0	0.809	1.004	1.200	1.396	1.980	3.440	5.130	6.610	7.690
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0
SO2 Displaced (MMTons)	0	0.005	0.006	0.007	0.008	0.011	0.019	0.027	0.035	0.040
NOX Displaced (MMTons)	0	0.006	0.007	0.009	0.010	0.014	0.024	0.036	0.046	0.054
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

Inventions & Innovations (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Inventions & Innovations (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Inventions & Innovations (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Metals Casting Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	20.600	23.410	26.180	34.500	56.400	75.400	97.100	117.000
Direct Electricity Displaced (Billion Kilowatthours)	0	0	1.860	2.240	2.620	3.750	6.120	8.560	10.800	13.000
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	1.100	1.340	1.590	2.330	4.270	6.720	9.410	12.300
Direct Petroleum Displaced (Million Barrels)	0	0	0.010	0.010	0.010	0.010	0.020	0.030	0.040	0.040
Direct Coal Displaced (Million Short Tons)	0	0	0.010	0.010	0.010	0.020	0.030	0.040	0.060	0.070
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)	0	0	79.600	95.200	110.800	158.000	255.000	355.000	441.000	519.000
Non-Energy Savings or Costs (Millions of 1999 $'s)	0	0	2.400	2.790	3.150	4.200	6.200	7.800	8.900	9.700
EERE Expenditures (Millions of 1999 $'s)	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357	5.357
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0.001	0.001	0.001	0.001	0.002	0.002	0.003	0.004
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.390	0.470	0.550	0.790	1.300	1.830	2.330	2.800
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0
SO2 Displaced (MMTons)	0	0	0.003	0.004	0.004	0.006	0.011	0.015	0.019	0.022
NOX Displaced (MMTons)	0	0	0.003	0.003	0.004	0.006	0.009	0.013	0.016	0.020
Particulates Displaced (MMTons)	0	0	0	0	0	0	0.001	0.001	0.001	0.001
VOCs Displaced (MMTons)	0	0	0	0.001	0.001	0.001	0.001	0.002	0.002	0.003
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0

Metals Casting Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Other Environmental Benefits (MMTons)	0	0	0.110	0.120	0.140	0.180	0.270	0.360	0.420	0.480
PM10 Displaced (MMTons)	0	0	0	0	0	0	0	0	0	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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Metals Casting Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Metals Casting Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Mining Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	41.030	48.030	55.030	76.030	126.390	166.950	208.070	238.840
Direct Electricity Displaced (Billion Kilowatthours)	0	0	3.300	4.100	4.910	7.330	12.170	16.630	20.360	23.260
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	(0.700)	(0.860)	(1.020)	(1.500)	(2.650)	(3.970)	(5.170)	(6.100)
Direct Petroleum Displaced (Million Barrels)	0	0	1.270	1.540	1.810	2.610	4.520	6.650	8.530	9.940
Direct Coal Displaced (Million Short Tons)	0	0	0.029	0.035	0.041	0.059	0.105	0.160	0.210	0.248
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)	0	0	156.100	192.300	228.500	337.000	554.500	759.400	920.400	1,039.700
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)	5.119	5.119	5.119	5.119	5.119	5.119	5.119	5.119	5.119	5.119
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0.001	0.001	0.001	0.002	0.003	0.004	0.005	0.006
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.800	0.990	1.180	1.750	2.920	4.040	4.990	5.730
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0
SO2 Displaced (MMTons)	0	0	0.010	0.010	0.010	0.020	0.030	0.050	0.060	0.070
NOX Displaced (MMTons)	0	0	0.010	0.010	0.010	0.010	0.020	0.030	0.040	0.040
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

Mining Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Mining Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Mining Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

NICE3 (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	21.370	26.000	30.630	44.530	79.270	121.450	165.420	204.290
Direct Electricity Displaced (Billion Kilowatthours)	0	0	0.850	1.110	1.380	2.170	4.080	6.520	9.120	11.650
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	12.080	14.590	17.090	24.610	44.310	68.290	91.010	109.500
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 Metrics										
Energy Costs or Savings (Millions of 1999 $'s)	0	0	74.530	93.120	111.710	167.490	313.220	512.540	723.560	927.720
Non-Energy Savings or Costs (Millions of 1999 $'s)	0	0	0.350	0.400	0.460	0.630	0.960	1.260	1.450	1.560
EERE Expenditures (Millions of 1999 $'s)	2.736	2.736	2.736	2.736	2.736	2.736	2.736	2.736	2.736	2.736
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0.001	0.001	0.001	0.001	0.002	0.003	0.005	0.006
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.360	0.460	0.550	0.830	1.530	2.410	3.300	4.120
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0.001
SO2 Displaced (MMTons)	0	0	0.003	0.003	0.004	0.006	0.011	0.018	0.025	0.032
NOX Displaced (MMTons)	0	0	0.003	0.004	0.004	0.007	0.012	0.019	0.026	0.033
Particulates Displaced (MMTons)	0	0	0	0	0	0	0	0	0.001	0.001
VOCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0.001	0.001
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0

NICE3 (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

NICE3 (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

NICE3 (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Petroleum Refining Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	16.760	20.620	24.480	36.080	71.300	122.330	180.370	233.760
Direct Electricity Displaced (Billion Kilowatthours)	0	0	0.430	0.540	0.650	0.980	1.980	3.480	5.170	6.730
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	4.250	5.280	6.310	9.390	18.500	31.300	45.100	57.500
Direct Petroleum Displaced (Million Barrels)	0	0	1.250	1.570	1.880	2.830	5.750	10.100	15.000	19.500
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	0.540	0.680	0.820	1.240	2.510	4.330	6.370	8.380
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)	0	0	56.450	70.240	84.020	125.380	258.690	467.880	712.240	952.250
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)	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0	0	0.001	0.001	0.001	0.003	0.004	0.005
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.310	0.380	0.460	0.690	1.390	2.420	3.570	4.630
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0.001
SO2 Displaced (MMTons)	0	0	0.005	0.006	0.008	0.012	0.024	0.042	0.062	0.081
NOX Displaced (MMTons)	0	0	0.002	0.003	0.004	0.011	0.018	0.027	0.035	0.035
Particulates Displaced (MMTons)	0	0	0	0	0	0	0	0.001	0.001	0.001
VOCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0.001	0.001
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0

Petroleum Refining Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Petroleum Refining Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Petroleum Refining Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Sensors and Controls (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	1.370	2.930	4.490	9.170	27.360	36.760	41.570	46.610
Direct Electricity Displaced (Billion Kilowatthours)	0	0	0.040	0.090	0.130	0.280	0.780	1.030	1.140	1.250
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	0.560	1.230	1.900	3.920	11.540	15.590	17.360	19.110
Direct Petroleum Displaced (Million Barrels)	0	0	0.020	0.050	0.070	0.150	0.540	0.830	1.020	1.280
Direct Coal Displaced (Million Short Tons)	0	0	0.010	0.030	0.040	0.080	0.260	0.350	0.390	0.430
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	0.040	0.070	0.110	0.230	0.520	0.640	0.680	0.720
Financial Metrics										
Energy Costs or Savings (Millions of 1999 $'s)	0	0	4.050	9.080	14.120	29.210	87.440	120.390	139.540	161.240
Non-Energy Savings or Costs (Millions of 1999 $'s)	0	0	(0.090)	(0.200)	(0.310)	(0.650)	(1.940)	(2.610)	(2.830)	(2.990)
EERE Expenditures (Millions of 1999 $'s)	3.774	3.774	3.774	3.774	3.774	3.774	3.774	3.774	3.774	3.774
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0	0	0	0	0.001	0.001	0.001	0.001
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.030	0.070	0.100	0.220	0.640	0.850	0.950	1.050
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0.020	0.050	0.070	0.150	0.390	0.480	0.500	0.500
SO2 Displaced (MMTons)	0	0	0	0.001	0.001	0.002	0.006	0.008	0.009	0.010
NOX Displaced (MMTons)	0	0	0	0.001	0.001	0.002	0.006	0.009	0.010	0.011
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

Sensors and Controls (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Other Environmental Benefits (MMTons)	0	0	0.003	0.007	0.010	0.020	0.049	0.060	0.063	0.066
PM10 Displaced (MMTons)	0	0	0	0	0	0	0	0	0	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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Sensors and Controls (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Sensors and Controls (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

Steel Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Energy Metrics										
Total Primary Energy Displaced (Trillion Btu)	0	0	29.680	37.920	46.170	70.890	112.480	150.770	187.530	218.800
Direct Electricity Displaced (Billion Kilowatthours)	0	0	0.580	0.740	0.900	1.370	2.370	3.500	4.670	5.740
Direct Natural Gas Displaced (Billion Cubic Feet)	0	0	12.160	15.640	19.120	29.550	46.450	60.590	72.910	83.060
Direct Petroleum Displaced (Million Barrels)	0	0	0.010	0.020	0.020	0.030	0.050	0.080	0.100	0.120
Direct Coal Displaced (Million Short Tons)	0	0	0.320	0.430	0.540	0.860	1.370	1.880	2.390	2.790
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)	0	0	73.590	94.150	114.710	176.400	292.300	421.800	549.100	669.000
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)	10.329	10.329	10.329	10.329	10.329	10.329	10.329	10.329	10.329	10.329
Other Government Expenditures (Millions of 1999	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 Metrics										
CO Displaced (MMTons)	0	0	0.001	0.001	0.001	0.002	0.003	0.004	0.005	0.006
Carbon Equivalent Emissions Displaced (MMTCe)	0	0	0.490	0.700	0.910	1.540	2.670	4.050	5.630	7.140
Other Greenhouse Emissions Displaced (MMTCe)	0	0	0	0	0	0	0	0	0	0.001
SO2 Displaced (MMTons)	0	0	0.007	0.010	0.013	0.023	0.039	0.059	0.082	0.105
NOX Displaced (MMTons)	0	0	0.005	0.007	0.009	0.015	0.025	0.036	0.049	0.059
Particulates Displaced (MMTons)	0	0	0.081	0.098	0.114	0.163	0.281	0.413	0.527	0.614
VOCs Displaced (MMTons)	0	0	0.001	0.002	0.002	0.003	0.005	0.005	0.006	0.008
HCs Displaced (MMTons)	0	0	0	0	0	0	0	0	0	0

Steel Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
Other Environmental Benefits (MMTons)	0	0	1.880	2.250	2.630	3.750	6.430	9.360	11.840	13.670
PM10 Displaced (MMTons)	0	0	0	0	0	0	0	0	0	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

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	0	0	0	0	0	0	0	0	0	0
Consumer Investment (Milliions 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)	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

Steel Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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

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	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-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

Steel Vision (OIT) GPRA2003 Metric Data

Metric	2003	2004	2005	2006	2007	2010	2015	2020	2025	2030
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