

POTENTIAL CUMULATIVE SAVINGS IN ENERGY EFFICIENCY PROGRAMS

(In Million Barrel of Fuel Oil Equivalent, MMBFOE)

EFFICIENCY PROGRAMS	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
I. INFORMATION, EDUCATION AND COMMUNICATION CAMPAIGN	2.42	4.99	7.72	10.55	13.49	16.55	19.73	23.02	26.46	30.02
1. Road Transport Patrol	0.33	0.67	1.02	1.39	1.77	2.17	2.59	3.03	3.48	3.95
2. Fuel Economy Run and Seminars	0.18	0.38	0.58	0.79	0.99	1.21	1.44	1.67	1.93	2.20
3. Infocommercials/Publications/Collatorals for Fuel Efficiency and Conservation	1.42	2.86	4.33	5.81	7.32	8.86	10.42	12.01	13.63	15.28
a. Radio and TV ads	0.72	1.46	2.23	3.02	3.83	4.67	5.54	6.43	7.35	8.30
b. Fuel Economy Cartoon Tips (GASFAR)	0.70	1.40	2.09	2.79	3.49	4.19	4.89	5.58	6.28	6.98
4. Power Patrol	0.49	1.09	1.79	2.57	3.40	4.30	5.27	6.31	7.42	8.59
II. VOLUNTARY AGREEMENT PROGRAMS	1.04	2.12	3.25	4.41	5.62	6.87	8.18	9.53	10.93	12.39
1. Carless Day Program	0.33	0.68	1.04	1.42	1.81	2.22	2.64	3.09	3.55	4.03
2. Carpooling Program	0.33	0.68	1.04	1.42	1.81	2.22	2.64	3.09	3.55	4.03
3. Park and Wait Program	0.27	0.54	0.83	1.13	1.44	1.77	2.11	2.46	2.83	3.21
4. Park and Ride Program	0.11	0.22	0.33	0.44	0.56	0.67	0.78	0.89	1.00	1.11
III. ENERGY LABELING AND EFFICIENCY STANDARDS	0.98	2.47	4.56	7.38	10.84	14.93	19.84	25.56	31.89	39.09
1. Efficiency Standard and Labeling for RACs	0.34	0.68	1.08	1.50	2.04	2.60	3.16	3.84	4.47	5.15
2. Energy Labeling Program for Refrigerators and Freezers	0.12	0.28	0.48	0.73	1.04	1.36	1.70	2.11	2.53	2.95
3. Labeling for Compact Fluorescent Lights	0.39	1.18	2.38	3.98	5.99	8.42	11.36	14.81	18.78	23.27
4. Ballast Loss Standard and Labeling for Fluorescent Lamp Ballast	0.09	0.18	0.28	0.38	0.48	0.71	0.94	1.19	1.45	1.86
5. Luminaire Installation	0.01	0.02	0.04	0.06	0.10	0.14	0.19	0.26	0.33	0.42
6. Linear Fluorescent Lamp	0.03	0.09	0.17	0.27	0.40	0.57	0.79	1.07	1.43	1.86
7. Household Electric Fans	-	0.05	0.09	0.14	0.19	0.25	0.31	0.37	0.43	0.50
8. Television Stand-by Power Reduction	-	-	-	0.15	0.32	0.49	0.88	1.29	1.73	2.21
9. Performance Certification of Fans and Blowers	-	-	0.06	0.13	0.19	0.26	0.33	0.40	0.48	0.55
10. Labeling of Electric Motors	-	-	-	0.04	0.08	0.12	0.17	0.22	0.27	0.32
IV. GOVERNMENT ENERCON PROGRAM	0.17	0.35	0.52	0.69	0.87	1.04	1.21	1.39	1.56	1.73
1. Fuel Conservation	0.07	0.13	0.20	0.26	0.33	0.40	0.46	0.53	0.59	0.66
2. Electricity Conservation	0.11	0.21	0.32	0.43	0.54	0.64	0.75	0.86	0.97	1.07
V. ENERGY MANAGEMENT PROGRAMS	7.03	14.36	22.04	30.10	38.54	47.47	56.83	66.68	77.09	87.69
1. Energy Audit/Recognition Programs	3.23	6.76	10.59	14.75	19.25	24.20	29.53	35.27	41.52	48.24
2. Heat Rate Improvement of Power Plants	3.16	6.30	9.44	12.58	15.72	18.86	22.00	25.14	28.28	31.42
3. System Loss Reduction Program	0.43	0.88	1.37	1.89	2.43	3.02	3.64	4.31	5.03	5.78
4. Demand Side Management	0.20	0.42	0.64	0.88	1.13	1.39	1.66	1.95	2.25	2.25
TOTAL SAVINGS	11.64	24.29	38.09	53.14	69.36	86.87	105.79	126.18	147.93	170.92
Equivalent MW Deferred Capacity	430.57	915.30	1,461.33	2,074.88	2,749.22	3,487.40	4,300.86	5,191.75	6,146.80	7,160.94
Total Oil Importation	104.32	210.04	316.60	423.45	530.02	635.76	748.59	868.65	996.10	1131.06
Total % Reduction on Oil Importation	11.16	11.57	12.03	12.55	13.09	13.66	14.13	14.53	14.85	15.11
Avoidance of GHG Emissions, Gg CO2 Equivalent	2,559.07	5,317.67	8,298.03	11,518.47	14,974.08	18,685.89	22,675.85	26,956.94	31,522.52	36,365.63
Primary Energy Mix	285.80	588.90	909.30	1,247.00	1,602.00	1,974.30	2,366.75	2,779.35	3,212.10	3,665.00
Total % Savings from Energy Mix	4.07	4.13	4.19	4.26	4.33	4.40	4.47	4.54	4.61	4.66

ALTERNATIVE FUELS AND TECHNOLOGY PROGRAMS	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
I. ALTERNATIVE FUELS AND TECHNOLOGY	1.67	3.42	5.24	7.16	9.15	11.22	13.38	15.62	17.94	20.34
1. Coco Methyl Ester Program	0.34	0.70	1.08	1.48	1.89	2.33	2.78	3.25	3.74	4.25
Blending of 1% CME for diesel fed vehicle	0.34	0.70	1.08	1.48	1.89	2.33	2.78	3.25	3.74	4.25
2. National Gas Vehicles for Public Transport Program	0.08	0.17	0.25	0.34	0.42	0.50	0.59	0.67	0.76	0.84
3. Ethanol	1.24	2.55	3.91	5.34	6.84	8.39	10.01	11.70	13.44	15.25
Total Savings	1.67	3.42	5.24	7.16	9.15	11.22	13.38	15.62	17.94	20.34
Total Oil Importation	104.32	210.04	316.60	423.45	530.02	635.76	748.59	868.65	996.10	1,131.06
Total % Reduction on Oil Importation	1.60	1.63	1.66	1.69	1.73	1.77	1.79	1.80	1.80	1.80
Avoidance of GHG Emissions, Gg CO2 Equivalent	212.22	434.50	667.21	910.34	1,163.89	1,427.86	1,702.26	1,987.07	2,282.31	2,587.98
Grand Total- Savings of Energy Efficiency and Conservation Program	13.31	27.71	43.34	60.30	78.51	98.09	119.17	141.80	165.87	191.27
Total Oil Importation	104.32	210.04	316.60	423.45	530.02	635.76	748.59	868.65	996.10	1131.06
Total % Reduction on Oil Importation	12.76	13.19	13.69	14.24	14.81	15.43	15.92	16.32	16.65	16.91
Avoidance of GHG Emissions, Gg CO2 Equivalent	2,771.29	5,752.18	8,965.24	12,428.81	16,137.97	20,113.75	24,378.11	28,944.02	33,804.84	38,953.60
Primary Energy Mix	285.80	588.90	909.30	1,247.00	1,602.00	1,974.30	2,366.75	2,779.35	3,212.10	3,665.00
Total % Savings from Energy Mix	4.66	4.71	4.77	4.84	4.90	4.97	5.04	5.10	5.16	5.22