In the Name of God

Iranian Fuel Conservation Company

Cost-Benefit Analysis of implementing EnMS based ISO50001 in Iran Oil & Gas Industries









Date: 13/01/2016

Code: IFCO-PS-93-011

Doc. Code: DMFR014

Cost-Benefit Analysis of implementing EnMS based ISO50001

Annual Energy Consumption in Oil & Gas Industry in Iran (Mboe)					
Oil Refineries	Gas Refineries	Petrochemical Complexes	NG Booster Stations	Crude & Oil products Booster Stations	Total
39.2	21.8	42.1	12.2	3.1	118.4

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Annual Energy Conservation Potential Regard to Implementing EnMS and Adjust Operational Controls in Oil & Gas Industry in Iran (Mboe)

Oil Refineries	Gas Refineries	Petrochemical Complexes	NG Booster Stations	Crude & Oil products Booster Stations	Total
0.8	0.4	0.8	0.2	0.1	2.4
11.7	6.5	12.6	3.7	0.9	35.5

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Annual Energy Conservation Potential Regard to Implementing EnMS and Adjust Operational Controls in Oil & Gas Industry in Iran (in two scenarios: 2 & 30% energy saving potential) (Mboe)					
Oil Refineries	Gas Refineries	Petrochemical Complexes	NG Booster Stations	Crude & Oil products Booster Stations	Total
0.8	0.4	0.8	0.2	0.1	2.4
11.7	6.5	12.6	3.7	0.9	35.5

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Annual Cost Saving Potential Regard to Implementing EnMS and Adjust Operational Controls in Oil & Gas Industry in Iran (in two scenarios: 2 & 30% energy saving potential) (M USD)

Oil Refineries	Gas Refineries	Petrochemical Complexes	NG Booster Stations	Crude & Oil products Booster Stations	Total
23.5	13.1	25.2	7.3	1.9	2.4
352.4	196.2	378.5	110.1	28.2	35.5

Based on 30 USD per BOE

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Return of Investment (in two scenarios: 2 & 30% energy saving potential) (Year)					
Oil Refineries	Gas Refineries	Petrochemical Complexes	NG Booster Stations	Crude & Oil products Booster Stations	Total
0.05	0.11	0.12	0.11	0.43	0.10
0.00	0.01	0.01	0.01	0.03	0.01

Based on 30 USD per BOE

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Annual GHG Reduction Potential (in two scenarios: 2 & 30% energy saving potential) (Mt CO2-equivalent)					
Oil Refineries	Gas Refineries	Petrochemical Complexes	NG Booster Stations	Crude & Oil products Booster Stations	Total
0.3	0.2	0.4	0.1	0.0	1.0
5.1	2.8	5.4	1.6	0.4	15.3