

Yearly Report: 2010

Date 14/10/2014

Station P/SUDAN (A)

Unit	Generated GWh	Ka%	Aux.Consum p. GWh	Running Hours h	Diesel cons Tons/m	Gas cons Tons/m^3	Fernis cons Tons/m	Trips
1	.26196	86.8	.00021	76.3	0	115.701	0	0
2	.01338	89.13	.00006	92	0	4.681	0	0

Month of the Year	Monthly Generated GWh	Forecast GWh	Aux.Consump. GWh	Capability Factor (Ka)%	Gen.Target Factor %
01	.001	.002	.000	71.40	57.00%
02	.005	.000	.000	79.65	.00%
03	.020	.000	.000	80.19	.00%
04	.002	.000	.000	80.10	.00%
05	.002	.000	.000	82.53	.00%
06	.001	.000	.000	81.86	.00%
07	.000	.000	.000	83.53	.00%
08	.000	.000	.000	95.83	.00%
09	.000	.200	.000	100.00	.00%
10	.000	.100	.000	100.00	.00%
11	.001	.049	.000	100.00	2.00%
12	.243	.001	.000	100.00	*****
Total	.275	.352	.000		78.00%

Energy Managemen

Forecast	.352	GWh
Generated	.275	GWh
Aux.Consump	.000	GWh
Total unplanned Outages	1.26507	GWh
Planned Outages	0	GWh
Losses due to Trips	.000	GWh

Unit Tripping

Unit	Trip Cause	Total
1	0	0
2	0	0
Total		0

Trip Statistics				
Unit	Plant failure	External fault	Human error	Total trips
1	0	0	0	0
2	0	0	0	0
Total	0	0	0	0

Outage Energy Losses (MWH)

Unit	Total Unplanned Outage	Planned Outages	Total Outages
1	693.72	0	693.72
2	571.35	0	571.35
Total	1265.07	0	1265.07

F.O Management

Month	Diesel Cons	Gas Oil Cons.	HFO Cons.	Diesel Delivery	Gas Oil Deliver	HFO Delivery
01	0	3.495	0	0	0	0
02	0	3.039	0	0	0	0
03	0	7.995	0	0	0	0
04	0	6.442	0	0	0	0
05	0	6.725	0	0	0	0

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06	0	6.252	0	0	0	0
07	0	6.4	0	0	0	0
08	0	2.9	0	0	0	0
09	0	.9	0	0	0	0
10	0	1	0	0	0	0
11	0	6.562	0	0	41.84	0
12	0	68.672	0	0	511.695	0
Total	0	120.382	0	0	553.535	0

The Cost of Energy Generated (SDG)

Month	KWh Cost
01	68.416
02	16.501
03	4.597
04	45.301
05	37.61
06	74.07
07	0
08	0
09	0
10	0
11	85.24
12	.391

Conclusion & Comments

Total Energy Sent Out= .27507 GWh
No. of Forced Outages= 0
No. of Planned Outages 0
Total No. Of Human Accidents= 0

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Station P/Sudan (C)

Unit	Generated GWh	Ka%	Aux.Consum p. GWh	Running Hours h	Diesel cons Tons/m	Gas cons Tons/m^3	Fernis cons Tons/m	Trips
MO1	.25181	98.43	.00705	91.07	53.18	4.844	0	3
MO2	.01469	.55	.00037	7.42	3.38	0	0	0
MO3	0	.27	0	0	0	0	0	2

Month of the Year	Monthly Generated GWh	Forecast GWh	Aux.Consump. GWh	Capability Factor (Ka) %	Gen.Target Factor %
01	.000	.006	.000	33.33	.00%
02	.004	.006	.000	33.33	70.00%
03	.018	.009	.003	27.24	197.00%
04	.000	.009	.000	33.33	.00%
05	.000	.012	.000	33.33	.00%
06	.004	.120	.000	33.33	3.00%
07	.000	.120	.000	33.33	.00%
08	.015	.400	.000	33.33	4.00%
09	.000	.399	.000	33.33	.00%
10	.000	.300	.000	33.33	.00%
11	.000	.120	.000	34.44	.00%
12	.226	.124	.004	35.42	182.00%
Total	.267	1.625	.007		16.00%

Energy Managemen

Forecast	1.625	GWh
Generated	.267	GWh
Aux.Consump	.007	GWh
Total unplanned Outages	49.318	GWh
Planned Outages	21.024	GWh
Losses due to Trips	.009	GWh

Unit Tripping

Unit	Trip Cause	Total
MO1	Feeder short circuit.	3
MO1	0	0
MO2	0	0
MO3	0	0
MO3	engine imergency stop	1
MO3	Engine over frecquency.	1
Total		5

Trip Statistics				
Unit	Plant failure	External fault	Human error	Total trips
MO1	0	3	0	3
MO2	0	0	0	0
MO3	0	1	1	2
Total	0	4	1	5

Outage Energy Losses (MWH)

Unit	Total Unplanned Outage	Planned Outages	Total Outages
MO1	550	0	550
MO2	13824	21024	34848
MO3	34944	0	34944
Total	49318	21024	70342

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F.O Management

Month	Diesel Cons	Gas Oil Cons.	HFO Cons.	Diesel Delivery	Gas Oil Deliver	HFO Delivery
01	0	0	0	0	0	0
02	0	1.021	0	0	3.74	0
03	3.05	1.2	0	0	0	0
04	0	0	0	0	0	0
05	0	0	0	0	0	0
06	0	.898	0	0	0	0
07	0	0	0	0	0	0
08	1.58	1.725	0	0	0	0
09	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	51.93	0	0	578.36	0	0
Total	56.56	4.844	0	578.36	3.74	0

The Cost of Energy Generated (SDG)

Month	KWh Cost
01	0
02	117.323
03	33.042
04	0
05	0
06	135.102
07	0
08	33.324
09	0
10	0
11	0
12	2.596

Conclusion & Comments

<u>Total Energy Sent Out=</u>	.25908	GWh
<u>No. of Forced Outages=</u>	0	
<u>No. of Planned Outages</u>	0	
<u>Total No. Of Human Accidents=</u>	5	

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Station P/Sudan (D)

Unit	Generated GWh	Ka%	Aux.Consum p. GWh	Running Hours h	Diesel cons Tons/m	Gas cons Tons/m^3	Fernis cons Tons/m	Trips
MO1	.08457	46.36	.00757	68.64	0	19.471	2.57	1
MO2	.00838	43.01	.00141	13.2	0	3.67	0	0
MO3	.13965	95.6	.01092	126.05	0	32.491	4.231	6

Month of the Year	Monthly Generated GWh	Forecast GWh	Aux.Consump. GWh	Capability Factor (Ka) %	Gen.Target Factor %
01	.002	.000	.001	66.67	.00%
02	.000	.000	.000	66.67	.00%
03	.016	.009	.002	66.53	176.00%
04	.000	.009	.000	66.67	.00%
05	.000	.012	.000	66.67	.00%
06	.005	.120	.001	44.66	4.00%
07	.022	.120	.002	50.66	18.00%
08	.010	.400	.001	65.59	2.00%
09	.000	.400	.000	66.67	.00%
10	.000	.300	.000	66.67	.00%
11	.000	.108	.000	66.67	.00%
12	.179	.006	.014	46.20	2882.00%
Total	.233	1.484	.020		16.00%

Energy Managemen

Forecast	1.484	GWh
Generated	.233	GWh
Aux.Consump	.020	GWh
Total unplanned Outages	19.01642	GWh
Planned Outages	1.1366	GWh
Losses due to Trips	.003	GWh

Unit Tripping

Unit	Trip Cause	Total
MO1	0	0
MO1	Engine over volt.	1
MO2	0	0
MO3	0	0
MO3	feeder trip	3
MO3	Reverse power.	2
MO3	Engine over current.	1
Total		7

Trip Statistics				
Unit	Plant failure	External fault	Human error	Total trips
MO1	0	1	0	1
MO2	0	0	0	0
MO3	0	6	0	6
Total	0	7	0	7

Outage Energy Losses (MWH)

Unit	Total Unplanned Outage	Planned Outages	Total Outages
MO1	8784	614	9398
MO2	9984.6	0	9984.6
MO3	247.82	522.6	770.42
Total	19016.42	1136.6	20153.02

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F.O Management

Month	Diesel Cons	Gas Oil Cons.	HFO Cons.	Diesel Delivery	Gas Oil Deliver	HFO Delivery
01	0	1.37	0	0	0	0
02	0	0	0	0	0	0
03	0	5.5	0	0	0	0
04	0	0	0	0	0	0
05	0	0	0	0	0	0
06	0	2.07	0	0	0	0
07	0	5.48	0	0	0	0
08	0	2.228	0	0	0	0
09	0	.2	0	0	0	0
10	0	1.45	0	0	0	0
11	0	1.5	0	0	0	0
12	0	35.834	6.801	0	262.464	0
Total	0	55.632	6.801	0	262.464	0

The Cost of Energy Generated (SDG)

Month	KWh Cost
01	136.129
02	0
03	13.732
04	0
05	0
06	56.333
07	10.716
08	22.394
09	0
10	0
11	0
12	1.412

Conclusion & Comments

<u>Total Energy Sent Out=</u>	<u>.2127</u>	GWh
<u>No. of Forced Outages=</u>	<u>0</u>	
<u>No. of Planned Outages</u>	<u>0</u>	
<u>Total No. Of Human Accidents=</u>	<u>0</u>	

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