

SIEMENS

Agility for Life

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Performance for Life

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Califress Long Island Energy Center

Plant

Califress Long Island Energy Center 11

Component

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Quarterly Report

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Title

2019_Q4_Barkad_Monthly_Report

Originator

Automatically generated by Performance Advisor

Site Name

Barkad3

Publisher

Plant Name

Barkad3

Report Date

2019-07-01

Phone

5075-4809H.5075-4809H.5075-5360

CSH1 IR index(OT1)

50032.67

PEC No (S)

401006.431557.401005

CSH1 IR index(OT1)

52596.67

1. Summary

Status

Comments

The Siemens thermal performance program was used to monitor the combined cycle plant. The calculations were performed under steady state conditions using parameters such as power, speed, temperature, steam flow. A review of the various performance trends and charts do not indicate any discernible changes in performance for the last month. No unusual performance degradation was observed over last month.

Key Performance Indicators:

KPI	Month	Last 3 Months	Last 12 Months
CH(GT1)	964.89	2062.59	3309.91
CH(GT2)	959.27	2063.29	3219.2
CH(GT1)	965.33	2074.91	3313.54
CH(GT2)	959.91	2068.59	3219.62

Reported Issues

S.No.	Exception Report Name	Date Created
1	2019-06-01_Barkad3_Plant Total_Exception_Report	2019-06-01
2	2019-06-25_Barkad3_HRSG 12_Exception_Report	2019-06-25
3	2019-06-25_Barkad3_Plant Total_Exception_Report	2019-06-25

2. Combined Cycle

Status

Comments

Combined cycle net power and heat rate charts were reviewed against the expected degradation. The graphs are attached. No significant changes were detected.

3. Combustion Turbine

Status

Comments

CT net power, heat rate were reviewed against the expected degradation. Compressor efficiency and compressor mass flow graphs were compared against expected values. The combustion turbine net power graph is attached. No significant and unusual changes were detected.

4. Heat Recovery Steam Generator

Status

Comments

HRSG efficiency and cleanliness factor were reviewed against the expected values. No significant and unusual changes were detected.

5. Steam Turbine

Status

Comments

ST efficiency and flow factor were reviewed against the expected values. No significant and unusual changes were detected.

6. Condenser

Status

Comments

Condenser pressure was reviewed against the expected values. No significant and unusual changes were detected.

Combined Cycle Net Power vs Time

View Annotation List

Y1 (in MW)

2019-06-01

2019-06-08

2019-06-15

2019-06-22

2019-06-28

Combined Cycle Net Power Expected (T)

Combined Cycle Net Power Y1

Combined Cycle Net Power Relative Difference from Expected (T)

CC Power Degradation Rate Receivable (T)

Annotation List

Annotation Point	Annotations	Added By	Date & Time
1	Lowest Isours Test 123	Somaya Jain	2019-07-25 09:30:45
2	Lowest Isours Test 123	Somaya Jain	2019-07-25 09:32:33
3	Lowest Isours Test 123	Somaya Jain	2019-07-12 15:04:02

Report Comments

Comments Type

Total 4 Comments

User 02

Report Comment

Lowest Isours Test 123 and, consecutive adjoining etc, and do skumet temp increment of below at below magna eliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Reply

