

UTE PORTO DE SERGIPE I

Relatório Mensal - Mai/2022

Cliente: *CELSE*

Líder de Operações do Cliente: *José Rodrigues*

Gerente de Planta: *Wangler Ferreira*

Emitido por: Rodrigo Gandarela

Data de Emissão: 08/06/22

#PoweringEveryone





Resumo do Relatório:

<i>mai-22</i>	<i>005/22</i>
Mês Referência	Nº Relatório

<i>Wangler Ferreira</i>
Gerente de Planta
<i>Silvana Cordeiro</i>
EHS

<i>Hermes Bicalho</i>
Gerente de Operações
<i>Felipe Scherer</i>
Gerente de Manutenção

<i>José Rodrigues</i>
Gerente de Operações Celse
Nº Contrato

Indicadores	Meta	Mês Atual	Acumulado Ano Contratual	Acumulado Contrato
Acidentes com Afastamento	0.00	0.00	0.00	0.00
Geração (MW)	0.00	0.00	3,768,587.44	3,768,587.44
Trips TG 11	0.00	0.00	0.00	0.00
Trips TG 12	0.00	0.00	0.00	0.00
Trips TG 13	0.00	0.00	0.00	0.00
Trips TV 10	0.00	0.00	0.00	0.00
Horas de Fogo TG 11 (FFH)	0.00	0.00	1,426.90	1,426.90
Horas de Fogo TG 12 (FFH)	0.00	0.00	4,983.30	4,983.30
Horas de Fogo TG 13 (FFH)	0.00	0.00	4,189.20	4,189.20
Horas de Operação TV 10 (FFH)	0.00	0.00	3,244.85	3,244.85
Disponibilidade de Planta (EAF)	100%	100.0%		

Outages	HGP/Inspeção B	Major/Inspeção C
TG11	25000hrs / Previsão: 2026	50000hrs / Previsão: 2032
TG12	25000hrs / Previsão: 2026	50000hrs / Previsão: 2032
TG13	25000hrs / Previsão: 2026	50000hrs / Previsão: 2032
TV10	25000hrs / Previsão: 2026	50000hrs / Previsão: 2032

EHS
Realizado simulado de evacuação da planta no dia 12/05.

Resumo Operacional

Eventos Importantes / Incidentes / Inspeções
1 - Incidente operacional onde houve aterramento indevido do TRAFO 11 assim levando ao desligamento automático do sistema, foram realizados todos os testes e atestado que o TRAFO 11 não sofreu avarias durante ocorrência. 2 - Através da inspeção de PAUT (Phased Array Ultrassound) foram encontradas 8 trincas na solda entre a calota e o anel da boca de visita do tubulão de HP da HRS11 lado sul. Seguem as tratativas para reparo em garantia.

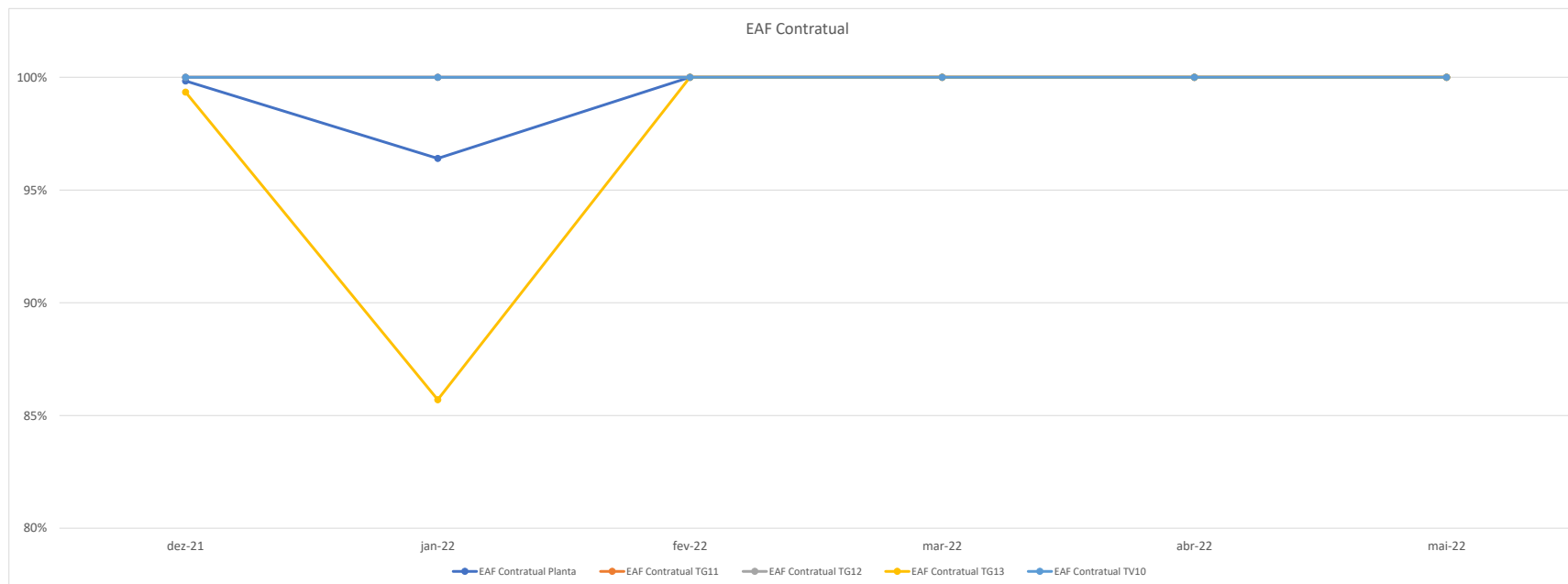
Human Resources	GE	Limpart	Suez	Outros
Atual	38	8	2	0



Disponibilidade de Planta (EAF)

Indicador	mai-21	jun-21	jul-21	ago-21	set-21	out-21	nov-21	dez-21	jan-22	fev-22	mar-22	abr-22	mai-22
EAF Contratual Planta			100%	100%	100%	100.0%	100.0%	99.8%	96.4%	100.0%	100.0%	100.00%	100.00%
EAF Contratual TG11							100.0%	100.0%	100.0%	100.0%	100.0%	100.00%	100.00%
EAF Contratual TG12			100.00%	100.00%	100.00%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.00%	100.00%
EAF Contratual TG13			100.00%	100.00%	100.00%	100.0%	100.0%	99.3%	85.7%	100.0%	100.0%	100.00%	100.00%
EAF Contratual TV10			100.00%	100.00%	100.00%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.00%	100.00%

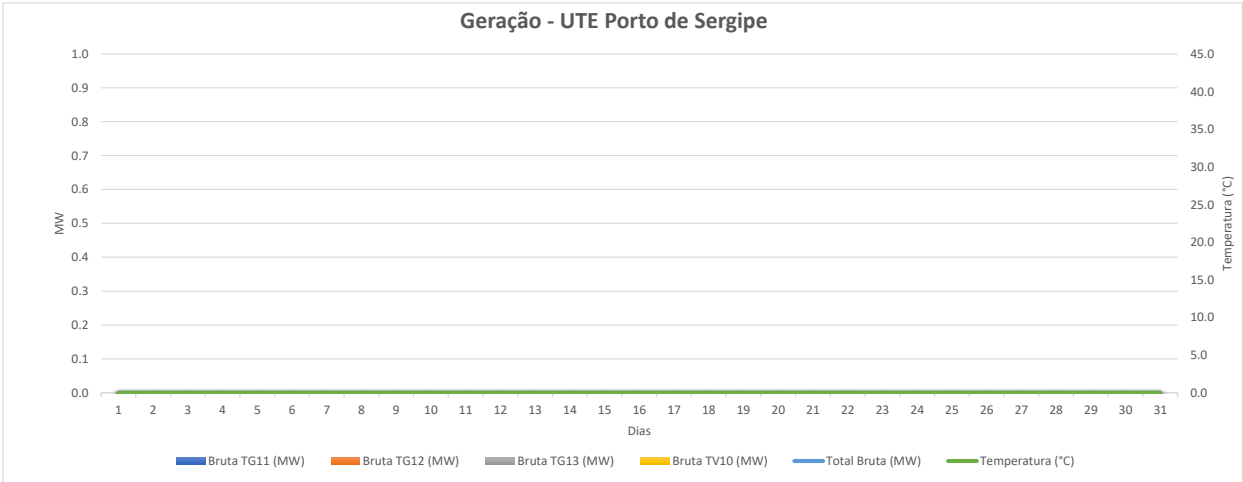
Considerando dia 31/12/2021 o início da contagem de indisponibilidade para O&M nas TG12 e TG13 de acordo Exhibith G - Total Plant Availability Guarantee Statement





Geração de Energia

Dia	Bruta TG11 (MW)	Bruta TG12 (MW)	Bruta TG13 (MW)	Bruta TV10 (MW)	Total Bruta (MW)	Temperatura (°C)
1-mai	0.0	0.0	0.0	0.0	0.0	-
2-mai	0.0	0.0	0.0	0.0	0.0	-
3-mai	0.0	0.0	0.0	0.0	0.0	-
4-mai	0.0	0.0	0.0	0.0	0.0	-
5-mai	0.0	0.0	0.0	0.0	0.0	-
6-mai	0.0	0.0	0.0	0.0	0.0	-
7-mai	0.0	0.0	0.0	0.0	0.0	-
8-mai	0.0	0.0	0.0	0.0	0.0	-
9-mai	0.0	0.0	0.0	0.0	0.0	-
10-mai	0.0	0.0	0.0	0.0	0.0	-
11-mai	0.0	0.0	0.0	0.0	0.0	-
12-mai	0.0	0.0	0.0	0.0	0.0	-
13-mai	0.0	0.0	0.0	0.0	0.0	-
14-mai	0.0	0.0	0.0	0.0	0.0	-
15-mai	0.0	0.0	0.0	0.0	0.0	-
16-mai	0.0	0.0	0.0	0.0	0.0	-
17-mai	0.0	0.0	0.0	0.0	0.0	-
18-mai	0.0	0.0	0.0	0.0	0.0	-
19-mai	0.0	0.0	0.0	0.0	0.0	-
20-mai	0.0	0.0	0.0	0.0	0.0	-
21-mai	0.0	0.0	0.0	0.0	0.0	-
22-mai	0.0	0.0	0.0	0.0	0.0	-
23-mai	0.0	0.0	0.0	0.0	0.0	-
24-mai	0.0	0.0	0.0	0.0	0.0	-
25-mai	0.0	0.0	0.0	0.0	0.0	-
26-mai	0.0	0.0	0.0	0.0	0.0	-
27-mai	0.0	0.0	0.0	0.0	0.0	-
28-mai	0.0	0.0	0.0	0.0	0.0	-
29-mai	0.0	0.0	0.0	0.0	0.0	-
30-mai	0.0	0.0	0.0	0.0	0.0	-
31-mai	0.0	0.0	0.0	0.0	0.0	-
Total	0.0	0.0	0.0	0.0	0.0	
Mês Anterior	0.0	0.0	0.0	0.0	0.0	



Observações e Eventos Relevantes:



Horas de Operação e Partidas

Dia	Hr. Fogo TG 11	Hr. Fogo TG 12	Hr. Fogo TG 13	Total Hr. Fogo	HR Oper TV 10	Minutos em FSNL TG 11	Minutos em FSNL TG 12	Minutos em FSNL TG 13	Total de Min em FSNL	Horas Sinc. TV 10	Total de partida acum. TG 11	Total de partida acum. TG 12	Total de partida acum. TG 13	Total de partida acum. TV 10
1-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
2-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
3-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
4-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
5-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
6-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
7-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
8-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
9-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
10-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
11-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
12-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
13-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
14-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
15-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
16-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
17-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
18-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
19-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
20-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
21-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
22-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
23-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
24-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
25-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
26-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
27-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
28-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
29-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
30-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
31-mai	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	59	56	61
Total Mês	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
Totalizador	3068.0	6046.2	5130.1	14244.3	5849.0	-	-	-	-	6137.0	84	59	56	61

Total Mês - UTE Porto de Sergipe

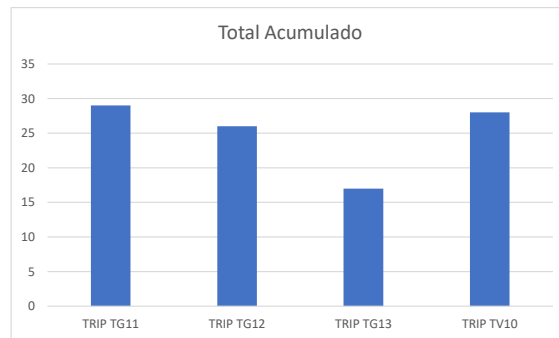
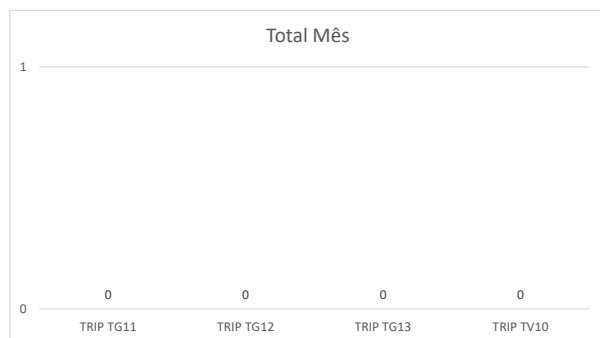


Observações e Eventos Relevantes:



TRIP

Dia	TRIP TG11	TRIP TG12	TRIP TG13	TRIP TV10
1-mai	0	0	0	0
2-mai	0	0	0	0
3-mai	0	0	0	0
4-mai	0	0	0	0
5-mai	0	0	0	0
6-mai	0	0	0	0
7-mai	0	0	0	0
8-mai	0	0	0	0
9-mai	0	0	0	0
10-mai	0	0	0	0
11-mai	0	0	0	0
12-mai	0	0	0	0
13-mai	0	0	0	0
14-mai	0	0	0	0
15-mai	0	0	0	0
16-mai	0	0	0	0
17-mai	0	0	0	0
18-mai	0	0	0	0
19-mai	0	0	0	0
20-mai	0	0	0	0
21-mai	0	0	0	0
22-mai	0	0	0	0
23-mai	0	0	0	0
24-mai	0	0	0	0
25-mai	0	0	0	0
26-mai	0	0	0	0
27-mai	0	0	0	0
28-mai	0	0	0	0
29-mai	0	0	0	0
30-mai	0	0	0	0
31-mai	0	0	0	0
Total Mês	0	0	0	0
Total Acumulado	29	26	17	28
Total Acumulado Pós PAC	0	1	0	0



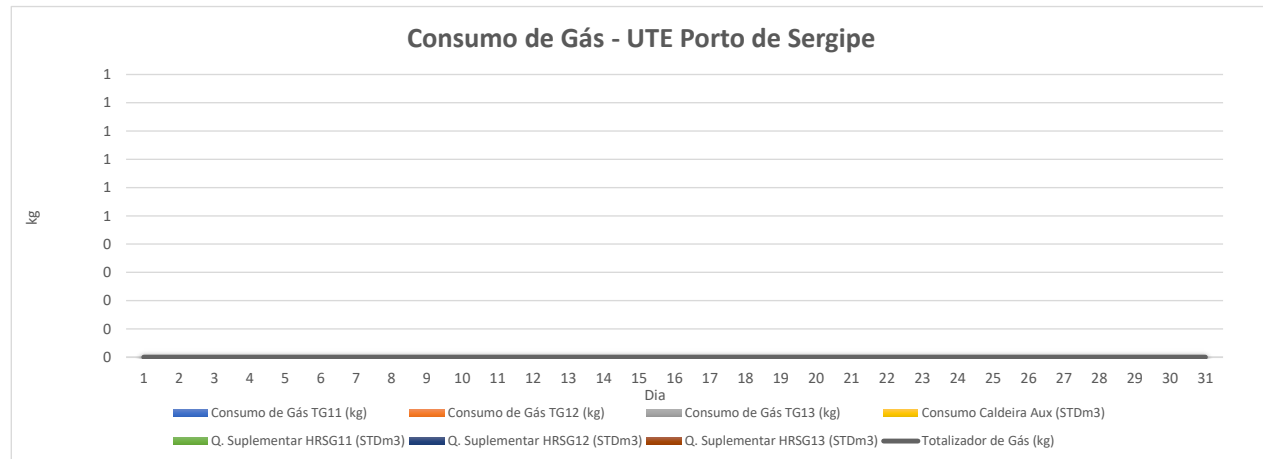
Eventos

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Consumo de Gás

Dia	Consumo de Gás TG11 (kg)	Consumo de Gás TG12 (kg)	Consumo de Gás TG13 (kg)	Q. Suplementar HRS G11 (STDm ³)	Q. Suplementar HRS G12 (STDm ³)	Q. Suplementar HRS G13 (STDm ³)	Consumo Caldeira Aux (STDm ³)	Totalizador de Gás (kg)
1-mai	0	0	0	0	0	0	0	0
2-mai	0	0	0	0	0	0	0	0
3-mai	0	0	0	0	0	0	0	0
4-mai	0	0	0	0	0	0	0	0
5-mai	0	0	0	0	0	0	0	0
6-mai	0	0	0	0	0	0	0	0
7-mai	0	0	0	0	0	0	0	0
8-mai	0	0	0	0	0	0	0	0
9-mai	0	0	0	0	0	0	0	0
10-mai	0	0	0	0	0	0	0	0
11-mai	0	0	0	0	0	0	0	0
12-mai	0	0	0	0	0	0	0	0
13-mai	0	0	0	0	0	0	0	0
14-mai	0	0	0	0	0	0	0	0
15-mai	0	0	0	0	0	0	0	0
16-mai	0	0	0	0	0	0	0	0
17-mai	0	0	0	0	0	0	0	0
18-mai	0	0	0	0	0	0	0	0
19-mai	0	0	0	0	0	0	0	0
20-mai	0	0	0	0	0	0	0	0
21-mai	0	0	0	0	0	0	0	0
22-mai	0	0	0	0	0	0	0	0
23-mai	0	0	0	0	0	0	0	0
24-mai	0	0	0	0	0	0	0	0
25-mai	0	0	0	0	0	0	0	0
26-mai	0	0	0	0	0	0	0	0
27-mai	0	0	0	0	0	0	0	0
28-mai	0	0	0	0	0	0	0	0
29-mai	0	0	0	0	0	0	0	0
30-mai	0	0	0	0	0	0	0	0
31-mai	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Mês Anterior	0	0	0	0	0	0	0	0

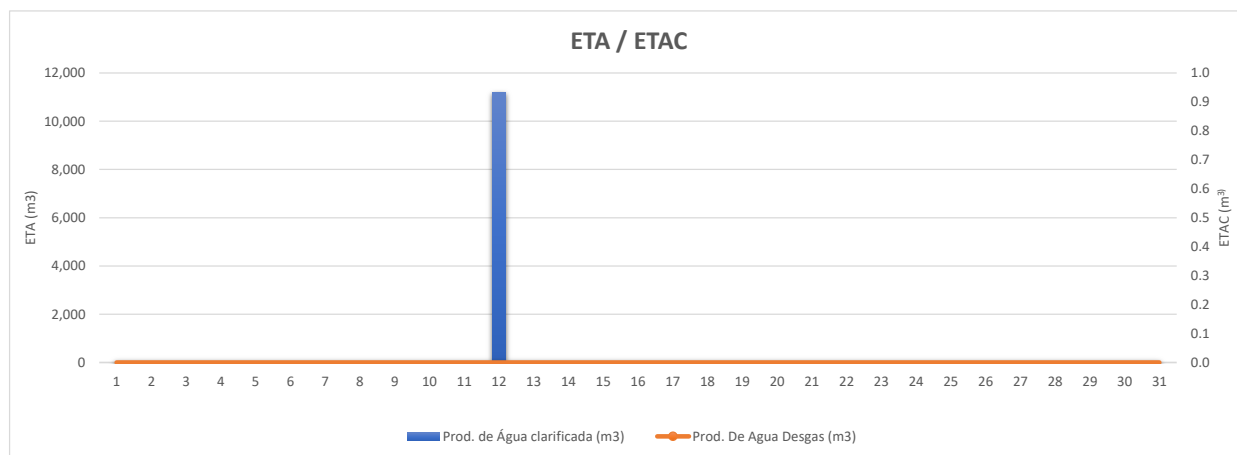


Eventos



Produção de Água

ETA			ETAC
Dia	Prod. de Água clarificada (m ³)	Total de Make Up da Torre (m ³) (Valores Estimados)	Prod. De Agua Desgas (m ³)
1-mai	0.0	0.0	0.0
2-mai	0.0	0.0	0.0
3-mai	0.0	0.0	0.0
4-mai	0.0	0.0	0.0
5-mai	0.0	0.0	0.0
6-mai	0.0	0.0	0.0
7-mai	0.0	0.0	0.0
8-mai	0.0	0.0	0.0
9-mai	0.0	0.0	0.0
10-mai	0.0	0.0	0.0
11-mai	0.0	0.0	0.0
12-mai	11,190.0	0.0	0.0
13-mai	0.0	0.0	0.0
14-mai	0.0	0.0	0.0
15-mai	0.0	0.0	0.0
16-mai	0.0	0.0	0.0
17-mai	0.0	0.0	0.0
18-mai	0.0	0.0	0.0
19-mai	0.0	0.0	0.0
20-mai	0.0	0.0	0.0
21-mai	0.0	0.0	0.0
22-mai	0.0	0.0	0.0
23-mai	0.0	0.0	0.0
24-mai	0.0	0.0	0.0
25-mai	0.0	0.0	0.0
26-mai	0.0	0.0	0.0
27-mai	0.0	0.0	0.0
28-mai	0.0	0.0	0.0
29-mai	0.0	0.0	0.0
30-mai	0.0	0.0	0.0
31-mai	0.0	0.0	0.0
Total	11,190.0	0.0	0.0
Mês Anterior	1,351.0	0.0	1,752.0



Eventos ETA/ETAC



<i>Data/Hora</i>	<i>Descrição dos eventos</i>
04/05/2022 17:30	Elemento: CHEMICAL SUPPLY SYSTEM, * ETA - Hipoclorito Realizado alinhamento do novo trecho de tubulação de dosagem de hipoclorito para a entrada e saída dos actiflos. Após normalização da tubulação foi realizado teste no sistema de dosagem, bomba na vazão máxima. Nas flautas saíram uniformes, na tubulação não houve vazamentos e ocorreu vazamento no flange da válvula 00GBN09AA001. Faltando finalizar parte da infraestrutura da nova tubulação.
07/05/2022 09:05	Elemento: WATER SUPPLY AND DISPOSAL, 00GCK30BB001 - tanque de permeado com condutividade muito alta. Após análises realizadas no tanque de água desmi e na entrada e saída do leito misto, se verificou que o tanque de permeado estava contaminado. Foi limpo o tanque e voltou a produzir água desmi
07/05/2022 17:16	Elemento: FLUSHING WTR AND RESIDUES REMOVAL, Realizado vários testes na ETAC para verificação de possíveis pontos de contaminação de permeado (alta condutividade). Constatado que a retenção 00GCR22AA151 (retorno do rejeito de permeado da osmose 2.2 para saída do DMF) está dando passagem provocando a contaminação do tanque de permeado com rejeito da osmose 2.1 e possivelmente água de saída do DMF. foi fechado a válvula 00GCRAA202 dreno da linha comum de rejeito de permeado para DMF e constatado imediata queda na condutividade do tanque de permeado. Antes de fechar o dreno 300us/cm, 7 minutos após fechamento do dreno 56us/cm no dreno do tanque de permeado. Aberto SR6087.
10/05/2022 14:53	Elemento: NATURAL GAS CONDITIONING STATION, * ECGN / Válvulas das reguladoras Iniciada a montagem das válvulas na ECGN, serviço iniciado pela Celse com apoio do O&M
11/05/2022 13:44	Elemento: CONVENTIONAL FUEL SUPPLY AND RESIDUES REMOVAL, * ECGN Realizado torqueamento das válvulas PRS e gás combustível para os aquecedores. E início do alinhamento do sistema e calibração das válvulas. Atividade com acompanhamento da Celse.
12/05/2022 11:00	Elemento: Porto de Sergipe Power Plant, * UTE EHS Realizado teste simulado de evacuação da planta.
12/05/2022 12:11	Elemento: CONVENTIONAL FUEL SUPPLY AND RESIDUES REMOVAL, * ECGN Válvulas PRS manutenção e ajustes juntamente com equipe Celse.



12/05/2022 16:30	Elemento: GENERATOR PLANT, * Geradores das TGs Iniciada mobilização para os serviços relacionados aos geradores das Turbinas a Gás, execução da GE FieldCore
13/05/2022 13:30	Elemento: NATURAL GAS CONDITIONING STATION, * ECGN Realizada pressurização do sistema das válvulas redutoras de pressão e teste nas PRS. Sistema apresentou vazamentos.
13/05/2022 18:30	Elemento: STEAM TURBINE, *TV-10 16:30h Realizado teste de operação do Turning Gear da Turbina a vapor com a participação da equipe de manutenção, teste satisfatório. 18:30h Parada do Turning Gear e sistema de óleo.
13/05/2022 19:50	Elemento: CONVENTIONAL FUEL SUPPLY AND RESIDUES REMOVAL, *ECGN Finalizado atividades nas PRS.
19/05/2022 00:15	Elemento: NATURAL GAS CONDITIONING STATION, * ECGN Elevada à pressão na HIPPS- SDV-004 de 98 para 120 bar.
20/05/2022 11:04	Elemento: MAIN MACHINE SET GT3, * Compartimento das Turbinas a Gás Durante ocorrência de forte chuva, foi novamente observado vazamentos (goteiras) no teto do compartimento nas três Turbinas a Gás, problema passado para possível solução da Fieldcore.
23/05/2022 23:11	Elemento: Raw and FF wtr tank, * Tanque de água Bruta / Combate a Incêndio 00GAD01BB001 Iniciado serviço de pintura da parte externa do tanque de água Bruta / Combate a Incêndio
24/05/2022 10:27	Elemento: GENERATOR TRANSFORMER, * 11BAT10 - Trafo Principal TG11 As 10:27h ocorreu a deserneização do 11BAT10 por atuação do relé 87T. Durante as atividade de aplicação de LOTO para o gerador da TG11. O operador iniciou a manobra para aterramento do gerador e foi observado pela Sala de Controle que a manobra estava sendo realizada em outra chave de aterramento. A manobra foi interrompida com a chave de aterramento em menos de 50% de fechamento. Mesmo nessa posição deve ter ocorrido arco ou indução elétrica, aterrando o lado energizado do Trafo ocasionando a atuação das proteções. Com a deserneização do 11BAT10 o módulo G1 ficou sem alimentação e não ocorreu a transferência automática do 00BBB10 para o 00BBA10. As outras cargas tiveram a transferência automática corretamente. Foi normalizada bomba de selagem do gerador da TV, normalizada alimentação para ETA/ETAC. Foi emitida a SI 00.027.078-22 para o Trafo, e a SI 00.027.122-22 para restrição de geração na TV.



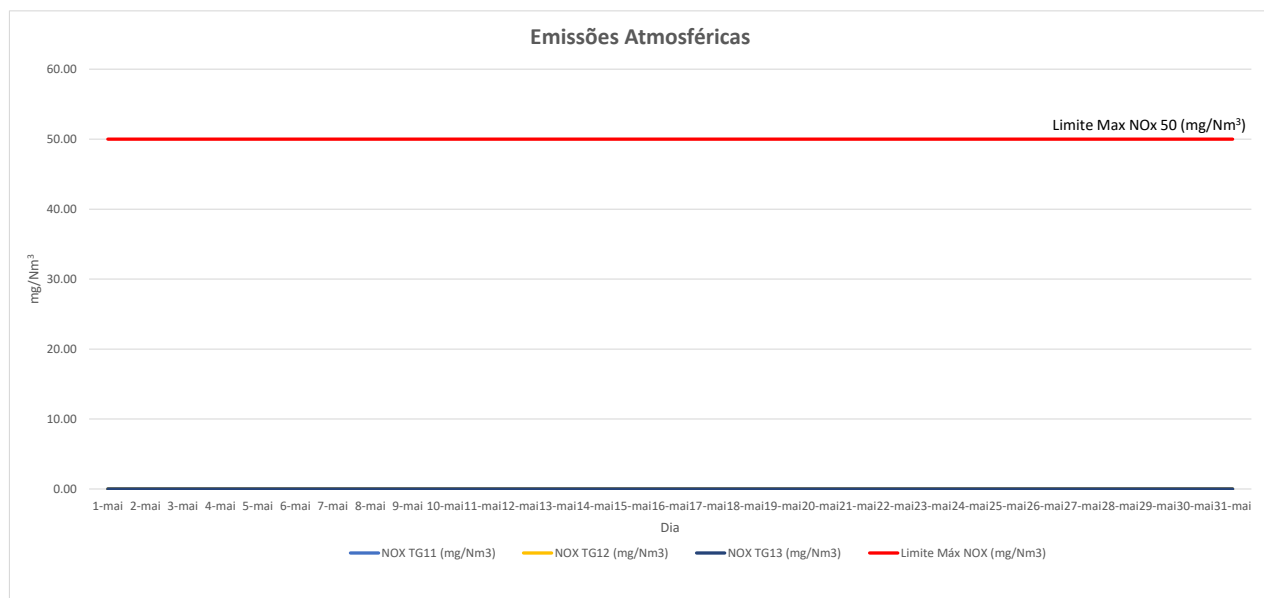
24/05/2022 23:20	Elemento: GENERATOR STEP UP TRANSFORMER, * Trafos 11BAT10 / 11BBT10 Feito coleta de amostra de óleo dos transformadores 11BAT10 / 11BBT10 para realizar as seguintes análises: Físico químico do óleo mineral isolante; - Cromatografia gases dissolvidos em óleo isolante (DGA) - Ensaio acreditado CRL 0976; -Furfural e derivados em óleo mineral isolante - NBR 15349 - Ensaio acreditado CRL 0976; - Determinação de enxofre corrosivo - Ensaio acreditado CRL 0976.
26/05/2022 22:00	Elemento: Main condenser, * Condensador Início de enchimento do condensador.
29/05/2022 14:40	Elemento: GENERATOR STEP UP TRANSFORMER, * Trafo 11BAT10 Iniciadas novas medições do TTR (relação de transformação do Trafo) para confirmação de valores, serviço sendo feito de por etapas por conta da umidade elevada e chuvas constantes. Previsto para amanhã um teste SFRA com a chegada do equipamento necessário
29/05/2022 14:41	Elemento: POWER TRANSMISSION AND AUXILIARY POWER SUPPLY, * Trafos 11BBT10 de Serviço / 11MKC10 de Excitação / 11BPT10 de Isolação Em preparação para realização de MEGA (teste de resistência de isolamento), pendente o valor necessário da umidade relativa ambiente (menor que 70%).
30/05/2022 14:03	Elemento: CONVENTIONAL HEAT GENERATION HRSG UNIT 1, * HRSG12 / Teste de válvulas Iniciado os testes de válvulas na HRSG12 visando preparação de partida
30/05/2022 14:05	Elemento: CONVENTIONAL HEAT GENERATION HRSG UNIT 1, * HRSG13 / Teste de válvulas Iniciado os testes de válvulas na HRSG13 visando preparação de partida
30/05/2022 14:50	Elemento: GENERATOR STEP UP TRANSFORMER, * Trafo 11BAT10 / Aerotermos Iniciado serviço de instalação dos Aerotermos 1 e 3 do Trafo da 11BAT10, serviço liberado pela condição de indisponibilidade e Loto aplicado no transformador. Celse ciente



Emissões Atmosféricas

Dia	Limite Máx NOX (mg/Nm ³)	Limite Máx CO (mg/Nm ³)	NOX TG11 (mg/Nm ³)	CO TG11 (mg/Nm ³)	O ₂ TG11 (%V)	NOX TG12 (mg/Nm ³)	CO TG12 (mg/Nm ³)	O ₂ TG12 (%V)	NOX TG13 (mg/Nm ³)	CO TG13 (mg/Nm ³)	O ₂ TG13 (%V)
1-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
2-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
3-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
4-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
5-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
6-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
7-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
8-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
9-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
10-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
11-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
12-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
13-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
14-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
15-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
16-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
17-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
18-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
19-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
20-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
21-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
22-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
23-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
24-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
25-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
26-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
27-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
28-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
29-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
30-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00
31-mai	50	65.00	0.00	0.00	0.00	0.00	0.0000	0.00	0.00	0.0000	0.00

Valores de limites máximo referência CONAMA 382/06 (Anexo V) para Gás Natural



Comentários



Dia	Waste												Temperatura (°C)
	pH	Condutividade Específica (µS/cm)	Cloro residual livre (ppm)	Óleos e graxas (ppm)	Ferro dissolvido (ppm)	Turbidez (NTU)	Sólidos Totais Suspensos (mg/L)	Sólidos Sedimentáveis (mL/L)	Materiais Flutuantes	DBO (mg/L)	DQO (mg/L)	Nitrogênio amoniacal (mg/L)	
LI	6	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
LS	9	80,000	0.2	5.0	15.0	30.0	50.0	1.0	P ou A	20.0	125.0	10.0	40.0
1-mai													
2-mai	8.09	44,300	0.00	1.36	0.04	7.23	9.00	0.00	A			0.31	26.90
3-mai	7.86	39,600	0.00	1.55	0.07	5.10	7.00	0.00	A			0.51	29.00
4-mai	6.99	414	0.00	0.99	0.06	17.50	15.00	0.00	A			0.20	27.80
5-mai	7.96	28,100	0.00	0.94	0.08	8.81	6.00	0.00	A			0.42	28.80
6-mai	7.19	20,900	0.00	0.00	0.07	4.98	5.00	0.00	A			0.33	30.10
7-mai													
8-mai													
9-mai	8.03	54,700	0.04	1.44	0.06	4.55	3.00	0.00	A			0.13	29.60
10-mai	6.08	24,200	0.02	0.24	0.18	6.33	8.00	0.00	A			0.11	28.70
11-mai	8.18	30,200	0.00	0.98	0.07	12.34	8.00	0.00	A			0.14	25.80
12-mai	8.08	26,800	0.00	1.01	0.12	11.50	9.00	0.00	A			0.16	28.50
13-mai	7.90	70,400	0.00	0.00		0.43	1.00	0.00	A				27.60
14-mai													
15-mai													
16-mai	7.80	74,600	0.02	0.00		5.78	2.00		A				26.60
17-mai	7.88	70,400	0.00	0.00	0.08	1.41	2.00	0.00	A			0.18	30.40
18-mai	7.80	69,300	0.01	0.00	0.05	0.24	1.00	0.00	A			0.15	30.60
19-mai	7.84	75,600	0.01	0.00	0.07	0.00	0.00	0.00	A			0.20	30.80
20-mai	7.04	867	0.01	0.00	0.08	16.92	13.00	0.00	A			0.18	27.40
21-mai													
22-mai													
23-mai	7.84	59,400	0.00	0.00	0.14	2.64	3.00	0.00	A			0.19	28.20
24-mai	7.89	59,800	0.00	0.00	0.18	3.01	5.00	0.00	A			0.15	29.40
25-mai	7.90	54,400	0.00	0.00	0.20	7.09	8.00	0.00	A			0.18	28.90
26-mai	8.13	25,100	0.00	0.00	0.04	10.70	8.00	0.00	A			0.12	24.30
27-mai	8.16	25,700	0.00	0.00	0.13	12.43	9.00	0.00	A			0.20	27.30
28-mai													
29-mai													
30-mai	7.31	1,028	0.00	0.00	0.17	19.56	14.00	0.00	A			0.29	25.50
31-mai	7.02	187	0.00	0.00	0.12	16.33	12.00	0.00	A			0.25	24.00

Comentários



Emissão de Efluentes

Dia	Estimativa de Descarte de Água (m³)	Cloro residual (ppm)	pH	Temperatura (°C)	Óleo e Gaxas (ppm)
LI	N/A	0.0	6.0	0.0	0.0
LS	N/A	0.2	9.0	40.0	5.0
1-mai	400	-	-	-	-
2-mai	0	-	-	-	-
3-mai	1,600	-	-	-	-
4-mai	0	-	-	-	-
5-mai	800	-	-	-	-
6-mai	800	-	-	-	-
7-mai	1,600	-	-	-	-
8-mai	0	-	-	-	-
9-mai	800	-	-	-	-
10-mai	400	-	-	-	-
11-mai	1,200	-	-	-	-
12-mai	800	-	-	-	-
13-mai	800	-	-	-	-
14-mai	400	-	-	-	-
15-mai	400	-	-	-	-
16-mai	400	-	-	-	-
17-mai	0	-	-	-	-
18-mai	0	-	-	-	-
19-mai	400	-	-	-	-
20-mai	1,200	-	-	-	-
21-mai	400	-	-	-	-
22-mai	0	-	-	-	-
23-mai	400	-	-	-	-
24-mai	0	-	-	-	-
25-mai	2,000	-	-	-	-
26-mai	2,800	-	-	-	-
27-mai	400	-	-	-	-
28-mai	800	-	-	-	-
29-mai	400	-	-	-	-
30-mai	1,200	-	-	-	-
31-mai	2,400	-	-	-	-

Comentários



Tratamento Biológico (ETE)

Dia	pH	DQO (mg/L)	Temperatura (°C)	DBO (mg/L)
LI	6	0.0	0.0	0.0
LS	9	125.0	40.0	120.0
1-mai				
2-mai				
3-mai				
4-mai	6.29	200.00	28.80	96.86
5-mai	6.42	45.00	30.40	59.74
6-mai				
7-mai				
8-mai				
9-mai	6.21	115.00	29.00	60.89
10-mai				
11-mai				
12-mai				
13-mai				
14-mai				
15-mai				
16-mai				
17-mai				
18-mai	6.83	51.00	24.30	18.85
19-mai				
20-mai				
21-mai				
22-mai				
23-mai				
24-mai				
25-mai				
26-mai				
27-mai	6.70	65.00	23.70	38.76
28-mai				
29-mai				
30-mai				
31-mai				

Comentários

Durante o mês de abril, obtivemos 01 valor de DQO acima do limite operacional estipulado, entretanto, o efluente permanece dentro da especificação em relação aos parâmetros regulamentados pela legislação ambiental.

Relatório Estatístico Mensal - EHS GE

[illegible]

Relatório Estatístico Mensal - EHS Limpart

[illegible]

Relatório Estatístico Mensal - EHS Suez

[illegible]

Relatório Estatístico Mensal - EHS Evellyn

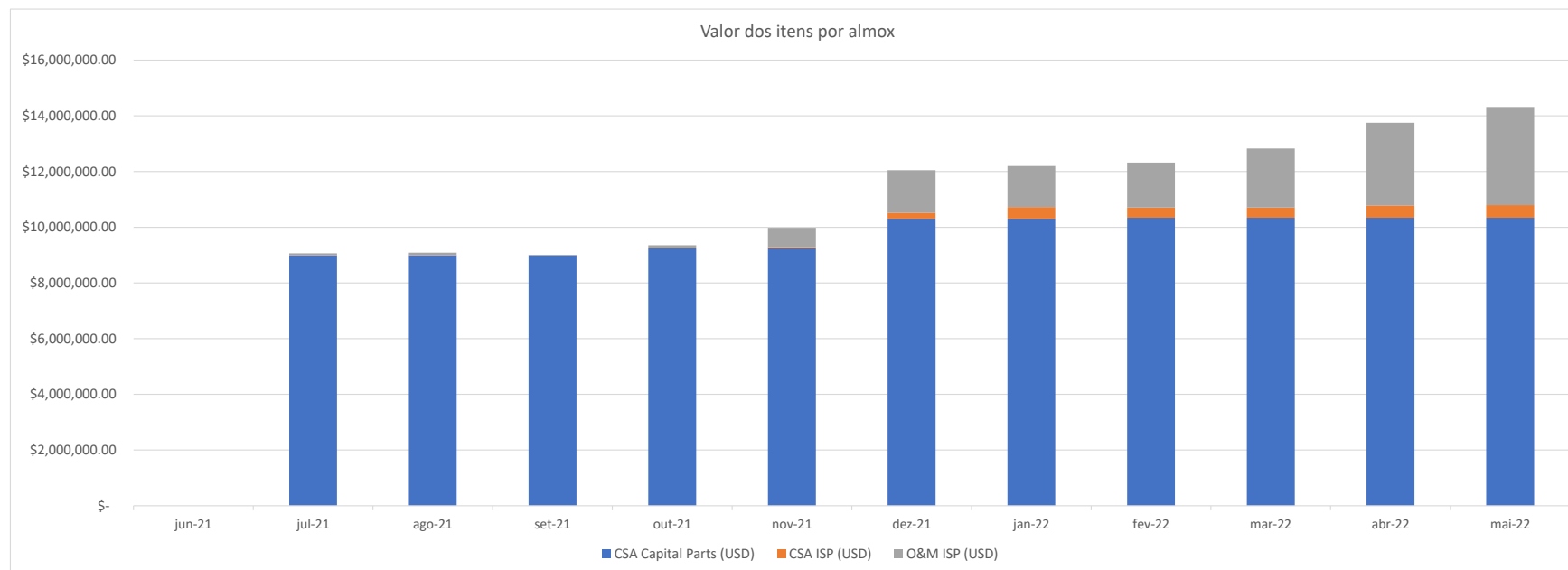
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Almoxarifado

	jun-21	jul-21	ago-21	set-21	out-21	nov-21	dez-21	jan-22	fev-22	mar-22	abr-22	mai-22
Qtd. De Itens por Almox												
CSA Capital Parts	0	2	2	2	3	3	4	4	5	5	5	5
CSA ISP	0	22	22	25	34	55	136	136	957	965	2,284	2,315
O&M ISP	0	29	32	24	151	1,240	2,565	2,543	3,621	3,989	4,715	7,051
Valor dos itens por almox												
CSA Capital Parts (USD)	\$ -	\$ 8,991,940.19	\$ 8,991,940.19	\$ 8,991,940.19	\$ 9,241,940.19	\$ 9,241,940.19	\$ 10,311,901.07	\$ 10,311,901.07	\$ 10,342,509.00	\$ 10,342,509.00	\$ 10,342,509.00	\$ 10,342,509.00
CSA ISP (USD)	\$ -	\$ 10,756.42	\$ 10,756.42	\$ 1,122.39	\$ 14,078.59	\$ 41,481.82	\$ 210,102.60	\$ 414,737.79	\$ 366,523.77	\$ 367,084.33	\$ 440,275.32	\$ 449,812.80
O&M ISP (USD)	\$ -	\$ 60,519.00	\$ 81,190.39	\$ 17,363.44	\$ 98,971.93	\$ 698,784.78	\$ 1,528,161.09	\$ 1,475,430.51	\$ 1,614,655.84	\$ 2,119,271.63	\$ 2,970,160.57	\$ 3,492,398.68

Obs.: Parte dos sobressalentes iniciais (ISP) do contrato CSA e O&M estão no porto de salvador sob responsabilidade da Celse.



Manutenção

[illegible]



Principais Atividades Manutenção

Item	Descrição da Atividade	Disciplina
1	PDM - ROTINA - 005 Verify rectify function - Cooling Tower (PAD) - Motores 00PAD	ELE
2	CM - Verificar problema de funcionamento da talha auxiliar do pórtico da TV	ELE
3	PDM - PARADA 22 - ROTINA - 005 Verify rectify function - 0416 Lube Oil System - Motores - 12/13MBV16	ELE
4	PDM - PARADA 22 - ROTINA - 005 Verify rectify function - 0436 Heating and Ventilation System - Motores - 12/13SAE36	ELE
5	PDM - ROTINA - 107 Retighten bolting - GT Battery Compartment (BTA10) - 11/12/13BTA10	ELE
6	PM - ROTINA - 005 Verify rectify function - GT11 Generator and Tranformer Protection Relay (CHA) - BAY11/12	ELE
7	PDM - ROTINA - 005 Verify rectify function - Polymer Station (GB) - Motores	ELE
8	PDM - ROTINA - 005 Verify rectify function - Main Room MV Protection (CHA) Relay Protection - 00BY	ELE
9	PDM - ROTINA - 005 Verify rectify function - Battery Room - WATER INTAKE E-BUILDING	ELE
10	PDM - ROTINA - 005 Verify rectify function - Battery Room - Main E-Room	ELE
11	PDM - ROTINA - 005 Verify rectify function - Battery (BV) - 11/12/13BTA10	ELE
12	PDM - ROTINA - 107 Retighten bolting - GT Battery Compartment (BTA10) - 11/12/13BTA10	ELE
13	CBM - Waste - Display do atuador da válvula de descarte final 00GMA01AA251 apresentando mancha.	ELE
14	PM - ROTINA - 005 Verify rectify function - Fire Detection and Protection Systems (CYE)	ELE
15	PM - ROTINA - 004 Visual inspection rectification - GT Generator Busduct (BAA)	ELE



Relatório Mensal
UTE Porto de Sergipe



16	PM - ROTINA - 005 Verify rectify function - Fire Detection and Protection Systems (CYE)	ELE
17	PM - ROTINA - 005 Verify rectify function - Fire Water Pumps (SG) - Elétrica/Diesel/Jockey	ELE
18	PM - Sequência de manutenção - 005 Verify rectify function - Standby Diesel Generator (00BRV10/20)	ELE
19	PM - PARADA 22 - Reparar transformador de corrente (CT) do trafo de excitação - 10MKC10	ELE
20	CBM - Realizar a limpeza/substituição da lâmpada UV do sistema da ETE e verificar seu funcionando	ELE
21	PM - ROTINA - 004 Visual inspection rectification - 04 Shaft Grounding - 10/11/12/13MKA	ELE
22	PM - ROTINA - 005 Verify rectify function - Belt Filter Press (GB)	ELE
23	PDM - OPER - 003 Take oil sample and analyse - GT Generator Step Up Transformer (11BAT10)	ELE
24	PM - Realizar inspeção nos Transformadores da GT 11	ELE
25	PM - ROTINA - 005 Verify rectify function - 4067 Water Mist Fire Protection System - 11/12/13	ELE
26	PDM - ROTINA - 005 Verify rectify function - Multimedia Filter (GCB)	ELE
27	PM - ROTINA - 004 Visual inspection rectification - Load Commutated Inverter LCI (BPA) - 11/12	ELE
28	CM - WARRANTY - Substituir Válvula de expansão do HVAC 2 do EX da ST10 - 10BPA10AH002	ELE
29	CM - WARRANTY - HVAC - Reparar furo na tubulação do HVAC 1 PEEC da GT11 - 11CJP02AH001	ELE
30	PM - ROTINA - 005 Verify rectify function - HVAC 1/2 - Rooftop - Modulo G1 - GT11/12/13	ELE
31	PM - HVAC - Manutenção preventiva HVAC: Prédio LAB, EXC/LCI 11/12/13, EX10, PEEC GT11/12/13, CEMS 11/12/13, ETA/ETAC, Sampling	ELE
1	PM - ROTINA - 127 Function check and calibration of instrument - Analytical Instruments - ETA	I&C



Relatório Mensal
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2	CBM - Verificar falha e testes no sistema tube cleaning 00PAH condensador da ST	I&C
3	PM - ROTINA - 005 Verify rectify function - City Gate (SDV-001) - Full Stroke	I&C
4	PM - ROTINA - 118 IT Maintenance - DCS - CONTROL SERVER	I&C
5	CM - Reparar vazamento condensado saindo através do isolamento junto ao instrumento 12HAD50GW501 da H12	I&C
6	PM - ROTINA - 005 Verify rectify function - Water Bath Heating Skid (Flame Detector FG-001A/B/C)	I&C
7	PM - ROTINA - 127 Function check and calibration of instrument - Emission Monitoring Equipment (QUH) - 11/12/13	I&C
8	PM - ROTINA - 005 Verify rectify function - Emission Monitoring Equipment (QUH) - 11/12/13	I&C
9	CBM - WARRANTY - Substituir transmissor de pressão encontrado danificado durante calibração - HRSG12	I&C
10	CBM - Substituir válvula PSV do sistema de Fire Protection da ST	I&C
11	CBM - Substituir transmissor de temperatura C do wheelspace apresenta divergência de medição: 12MBB15CT007	I&C
12	PM - ROTINA - 127 Function check and calibration of instrument - Analítica Sampling (00QUG95 INTAKE)(00QUG96 WASTE)(00QUP)	I&C
13	PM - ROTINA - 127 Function check and calibration of instrument - Inlet Bleed Heat Syst. (Pressure)	I&C
14	CM - PARADA 22 - Verificar as válvulas Moog da ST	I&C
15	PM - PARADA 22 - ROTINA - 005 Verify rectify function - 4067 Water Mist Fire Protection System	I&C
16	PM - ROTINA - 005 Verify rectify function - Mark Vle 00CBF04	I&C
17	CM - Verificar o indicador de nível do tambor de HP - 12HAD50	I&C
1	PM - ROTINA - 022 Check for leaks / 103 Mechanical Service - Standby Diesel Gen.00BRV20 Manutenção preventiva.	MEC



Relatório Mensal
UTE Porto de Sergipe



2	PM - ROTINA - 004 Visual inspection rectification - Fuel Gas Metering Station and Analyzing Que (inspeção em válvulas 00EKG/G11/12/10).	MEC
3	PM - ROTINA - 022 Check for leaks and other abnormal conditions - Dosing Station (GC) (Inspeção no sistema de dosagem).	MEC
4	CBM - PARADA 22 Verificar ineficiência de estanqueidade da válvula 11HAJ30AA267.	MEC
5	CM - PARADA 22 Realizar manutenção na válvula 13LBA30AA286.	MEC
6	PM - ROTINA - 022 Check for leaks and other abnormal conditions - Polymer Station (GB)(Inspeção no sistema de dosagem).	MEC
7	PM - REPARO PINTURA E PRESERVAÇÃO BASE MOTOR (PAC10).	MEC
8	CBM - PARADA 13 - Inspeção visual interna do duto gás exausto da turbina.	MEC
9	PM - REPARO PINTURA E PRESERVAÇÃO BASE MOTOR (PAC20)	MEC
10	CBM - Realizar avaliação geral de componentes internos externos e funcionamento (00GCX01/02AN001).	MEC
11	CBM - Ronda 28487 Medida: 00BRV10 - CONDIÇÕES GERAIS GERADOR DIESEL DE EMERGENCIA	MEC
12	CBM - Parada 22 - Reparo do tubo de suportaçao da aparte interna do condensador.	MEC
13	CBM - Reposição de nível e instalação da selagem com glicerina nos aquecedores de gás.	MEC
14	CBM - Substituição do filtro de óleo de selagem (11MKW16AT001). 0.92 bar	MEC
15	OTH - Realizar troca de elemento filtrante da osmose 00GCK21	MEC
16	CBM - Torre de Resfriamento Válvula de blowdown da torre (00PAB50AA010) -Realizada revisão do redutor.	MEC
17	CBM - Remover reservatório de nível de óleo do actflo 00GBD30AM003 para correção de vazamento;	MEC
18	PM - ROTINA - 004 Visual inspection rectification - 0471 Inlet and Exhaust System	MEC



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19	CBM - Parada 22 ATV - 12LAC50AP001 - Troca de óleo, filtro limpeza e preservação do sistema de óleo.	MEC
20	CBM - Parada 22 ATV - Inspeção de vazamento de óleo sob mancal 7 da TV. Concluído.	MEC
21	PM - Realizar limpeza e inspeção em todos equipamentos do skid de óleo de selagem do gerador.	MEC
22	CBM - Preservação do eixo das válvulas de vapor da turbina (controles e Bloqueios HP/IP).	MEC
23	CBM - Revisão geral de válvula (externo) , válvula apresenta elevado nível de corrosão (10LCA90AA002).	MEC
24	CBM - Realizar manutenção preventiva em caixa redutora da válvula 00PAB50AA009 Abrangencia da 010.	MEC
25	CBM - Realizar Ajuste nos SHINS AXIAL nos Mancais 10MAD10, 10MAD20 e 10MAD30. Atividades TV.	MEC
26	CBM - Reposição de nível e instalação da selagem com glicerina nos aquecedores de gás.	MEC
27	OTH - Inversão do carretel (spool) de H2 para Ar, para troca da atmosfera do gerador CO2/Ar.	MEC
28	CM - Realizar substituição das birutas (02) pois as mesmas encontram-se danificadas.	MEC
29	OTH - PARADA 22 Inspeção externa e interna da caldeira (NR13) Realizadas inspeções	MEC



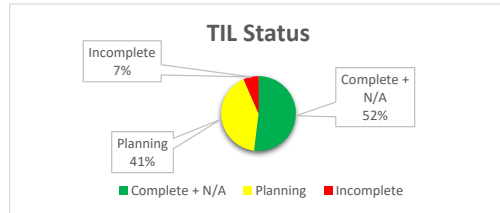
<i>Equipamento</i>	<i>Manutenções</i>	<i>Periodicidade</i>	<i>Ano</i>
TG 11	Boroscopia	1 Ano	Apr-23
	Inspeção HGP	25000hrs	2026
	Inspeção Major	50000hrs	2032
Gerador 11	First	8000hrs	2023
	Boroscopia	25000hrs	2026
	Robotic Rotor-in	50000hrs	2032
TG 12	Boroscopia	1 Ano	Apr-23
	Inspeção HGP	25000hrs	2026
	Inspeção Major	50000hrs	2032
Gerador 12	First	8000hrs	2022
	Boroscopia	25000hrs	2026
	Robotic Rotor-in	50000hrs	2032
TG 13	Boroscopia	1 Ano	Dec-22
	Inspeção HGP	25000hrs	2026
	Inspeção Major	50000hrs	2032
Gerador 13	First	8000hrs	2022
	Boroscopia	25000hrs	2026



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	Robotic Rotor-in	50000hrs	2032
HRSG 11	Calibração on-line PSVs	2 Anos	Jun-22
	Inspeção interna	2 Anos	Apr-24
HRSG 12	Calibração on-line PSVs	2 Anos	Jun-22
	Inspeção interna	2 Anos	Apr-24
HRSG 13	Calibração on-line PSVs	2 Anos	Jun-22
	Inspeção interna	2 Anos	Apr-24
TV 10	Inspeção Minor	25000hrs	2026
	Inspeção Major	50000hrs	2032
Gerador 10	Inspeção A	8000hrs ou 4 anos	2022
	Inspeção B	25000hrs ou 8 anos	2026
	Inspeção B	50000hrs ou 15 anos	2032



TILs Report

Til	Serial Number	TIL Title	Disposition Status	Disposition Notes	Issue Date	TIL Compliance Category	TIL Timing Code
2357	GG10615	HYDROGEN SEAL ASSEMBLY FINDINGS	INCOMPLETE		5/25/2022	C - Compliance Required	4 - At First Exposure of Component
2357	GG10616	HYDROGEN SEAL ASSEMBLY FINDINGS	INCOMPLETE		5/25/2022	C - Compliance Required	4 - At First Exposure of Component
2357	GG10614	HYDROGEN SEAL ASSEMBLY FINDINGS	INCOMPLETE		5/25/2022	C - Compliance Required	4 - At First Exposure of Component
2355	GG10615	PRAGATI VOLTAGE TRANSFORMER (VT) INSPECTION AND REPLACEMENT	INCOMPLETE		5/19/2022	M - Maintenance	4 - At First Exposure of Component
2355	GG10614	PRAGATI VOLTAGE TRANSFORMER (VT) INSPECTION AND REPLACEMENT	INCOMPLETE		5/19/2022	M - Maintenance	4 - At First Exposure of Component
2355	GG10616	PRAGATI VOLTAGE TRANSFORMER (VT) INSPECTION AND REPLACEMENT	INCOMPLETE		5/19/2022	M - Maintenance	4 - At First Exposure of Component
2350	299547	INSTANT FUEL CUT-OFF ON SHUTDOWN ACTIVATION DURING GAS TURBINE STARTUP	INCOMPLETE		5/10/2022	C - Compliance Required	6 - Next Scheduled Outage
2350	299549	INSTANT FUEL CUT-OFF ON SHUTDOWN ACTIVATION DURING GAS TURBINE STARTUP	INCOMPLETE		5/10/2022	C - Compliance Required	6 - Next Scheduled Outage
2350	299548	INSTANT FUEL CUT-OFF ON SHUTDOWN ACTIVATION DURING GAS TURBINE STARTUP	INCOMPLETE		5/10/2022	C - Compliance Required	6 - Next Scheduled Outage
2349	GG10616	COMPOSITE END SHIELD AIR GUIDE REPLACEMENT	INCOMPLETE		5/2/2022	M - Maintenance	6 - Next Scheduled Outage
2349	GG10614	COMPOSITE END SHIELD AIR GUIDE REPLACEMENT	INCOMPLETE		5/2/2022	M - Maintenance	6 - Next Scheduled Outage
2349	GG10615	COMPOSITE END SHIELD AIR GUIDE REPLACEMENT	INCOMPLETE		5/2/2022	M - Maintenance	6 - Next Scheduled Outage
2340	299548	7HA.02 S4B CASTING INSPECTIONS	N/A to UNIT	There is no S4B with T4CZ serial installed, just in the spare set	3/16/2022	C - Compliance Required	4 - At First Exposure of Component
2340	299547	7HA.02 S4B CASTING INSPECTIONS	N/A to UNIT	There is no S4B with T4CZ serial installed, just in the spare set	3/16/2022	C - Compliance Required	4 - At First Exposure of Component
2340	299549	7HA.02 S4B CASTING INSPECTIONS	N/A to UNIT	There is no S4B with T4CZ serial installed, just in the spare set	3/16/2022	C - Compliance Required	4 - At First Exposure of Component
2337	GG10616	H65/H84 POTENTIAL FIELD COIL MIGRATION & RECOMMENDATIONS	PLANNING	Planned for next Gen borescope inspection and HGPI	3/3/2022	C - Compliance Required	6 - Next Scheduled Outage



2337	GG10615	H65/H84 POTENTIAL FIELD COIL MIGRATION & RECOMMENDATIONS	PLANNING	Planned for next Gen borescope inspection and HGPI	3/3/2022	C - Compliance Required	6 - Next Scheduled Outage
2337	GG10614	H65/H84 POTENTIAL FIELD COIL MIGRATION & RECOMMENDATIONS	PLANNING	Planned for next Gen borescope inspection and HGPI	3/3/2022	C - Compliance Required	6 - Next Scheduled Outage
2335	299549	DCS, BOP, AND HRSG MARK* VIE PANEL POWER SUPPLY DISCONNECT SWITCH IMPROPER CLOSURE	N/A to UNIT	Applicable just for HRSG, WSC and BOP	3/1/2022	C - Compliance Required	5 - At Scheduled Component Repair
2335	299548	DCS, BOP, AND HRSG MARK* VIE PANEL POWER SUPPLY DISCONNECT SWITCH IMPROPER CLOSURE	N/A to UNIT	Applicable just for HRSG, WSC and BOP	3/1/2022	C - Compliance Required	5 - At Scheduled Component Repair
2335	370T013	DCS, BOP, AND HRSG MARK* VIE PANEL POWER SUPPLY DISCONNECT SWITCH IMPROPER CLOSURE	N/A to UNIT	Applicable just for HRSG, WSC and BOP	3/1/2022	C - Compliance Required	5 - At Scheduled Component Repair
2335	299549-HRSG	DCS, BOP, AND HRSG MARK* VIE PANEL POWER SUPPLY DISCONNECT SWITCH IMPROPER CLOSURE	PLANNING	Planned for next outage	3/1/2022	C - Compliance Required	5 - At Scheduled Component Repair
2335	299547	DCS, BOP, AND HRSG MARK* VIE PANEL POWER SUPPLY DISCONNECT SWITCH IMPROPER CLOSURE	N/A to UNIT	Applicable just for HRSG, WSC and BOP	3/1/2022	C - Compliance Required	5 - At Scheduled Component Repair
2335	299548-HRSG	DCS, BOP, AND HRSG MARK* VIE PANEL POWER SUPPLY DISCONNECT SWITCH IMPROPER CLOSURE	PLANNING	Planned for next outage	3/1/2022	C - Compliance Required	5 - At Scheduled Component Repair
2335	299547-HRSG	DCS, BOP, AND HRSG MARK* VIE PANEL POWER SUPPLY DISCONNECT SWITCH IMPROPER CLOSURE	PLANNING	Planned for next outage	3/1/2022	C - Compliance Required	5 - At Scheduled Component Repair
2333	299547	HA TURBINE ROTOR COVER PLATE INSPECTIONS	PLANNING	Planned for next HGPI outage	2/1/2022	C - Compliance Required	4 - At First Exposure of Component
2333	299548	HA TURBINE ROTOR COVER PLATE INSPECTIONS	PLANNING	Planned for next HGPI outage	2/1/2022	C - Compliance Required	4 - At First Exposure of Component
2333	299549	HA TURBINE ROTOR COVER PLATE INSPECTIONS	PLANNING	Planned for next HGPI outage	2/1/2022	C - Compliance Required	4 - At First Exposure of Component
2290-R1	299547	ENHANCEMENT IN ECC ERROR CORRECTION ALGORITHM FOR UCSB CONTROLLER	COMPLETE	Issue not reported at site. ControlST actual version V06.06.08C ToolboxST actual version V07.04.21C	1/31/2022	M - Maintenance	6 - Next Scheduled Outage
2290-R1	370T013	ENHANCEMENT IN ECC ERROR CORRECTION ALGORITHM FOR UCSB CONTROLLER	COMPLETE	Issue not reported at site. ControlST actual version V06.06.08C ToolboxST actual version V07.04.21C	1/31/2022	M - Maintenance	6 - Next Scheduled Outage
2290-R1	299548	ENHANCEMENT IN ECC ERROR CORRECTION ALGORITHM FOR UCSB CONTROLLER	COMPLETE	Issue not reported at site. ControlST actual version V06.06.08C ToolboxST actual version V07.04.21C	1/31/2022	M - Maintenance	6 - Next Scheduled Outage
2290-R1	299549	ENHANCEMENT IN ECC ERROR CORRECTION ALGORITHM FOR UCSB CONTROLLER	COMPLETE	Issue not reported at site. ControlST actual version V06.06.08C ToolboxST actual version V07.04.21C	1/31/2022	M - Maintenance	6 - Next Scheduled Outage
2299-R1	299547	PRECAUTIONS FOR POTENTIAL AIR EXTRACTION FLEX HOSE FAILURE HAZARD	PLANNING	Recommendations 1 and 2 implemented. Waiting for the new flexible hoses to implement recommendation 3 (May 2022).	1/27/2022	S - Safety	2 - At First Opportunity
2299-R1	299549	PRECAUTIONS FOR POTENTIAL AIR EXTRACTION FLEX HOSE FAILURE HAZARD	PLANNING	Recommendations 1 and 2 implemented. Waiting for the new flexible hoses to implement recommendation 3 (May 2022).	1/27/2022	S - Safety	2 - At First Opportunity



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2299-R1	299548	PRECAUTIONS FOR POTENTIAL AIR EXTRACTION FLEX HOSE FAILURE HAZARD	PLANNING	Recommendations 1 and 2 implemented. Waiting for the new flexible hoses to implement recommendation 3 (May 2022).	1/27/2022	S - Safety	2 - At First Opportunity
2326	299549	7HA.02 MIDSHAFT SEAL PACKAGE INSTALLATION	PLANNING	Planned for next HGPI outage	1/13/2022	S - Safety	4 - At First Exposure of Component
2326	299547	7HA.02 MIDSHAFT SEAL PACKAGE INSTALLATION	PLANNING	Planned for next HGPI outage	1/13/2022	S - Safety	4 - At First Exposure of Component
2326	299548	7HA.02 MIDSHAFT SEAL PACKAGE INSTALLATION	PLANNING	Planned for next HGPI outage	1/13/2022	S - Safety	4 - At First Exposure of Component
2324	299547	ADDITION OF NORD-LOCK WASHERS IN QUADAX FUEL GAS VALVES	PLANNING	Planned for next outage	1/5/2022	C - Compliance Required	6 - Next Scheduled Outage
2324	299549	ADDITION OF NORD-LOCK WASHERS IN QUADAX FUEL GAS VALVES	PLANNING	Planned for next outage	1/5/2022	C - Compliance Required	6 - Next Scheduled Outage
2324	299548	ADDITION OF NORD-LOCK WASHERS IN QUADAX FUEL GAS VALVES	PLANNING	Planned for next outage	1/5/2022	C - Compliance Required	6 - Next Scheduled Outage
2322	299548	COMPRESSOR VANE RING DISTRESS	PLANNING	Planned for next borescope inspection	12/8/2021	C - Compliance Required	6 - Next Scheduled Outage
2322	299547	COMPRESSOR VANE RING DISTRESS	PLANNING	Planned for next borescope inspection	12/8/2021	C - Compliance Required	6 - Next Scheduled Outage
2322	299549	COMPRESSOR VANE RING DISTRESS	PLANNING	Borescope inspection already performed Dec/2021	12/8/2021	C - Compliance Required	6 - Next Scheduled Outage
2262-R1	299549	HA STAGE 1 NOZZLE DISTRESS	PLANNING	HGP Repairs Parts Planning	10/21/2021	C - Compliance Required	5 - At Scheduled Component Repair
2262-R1	299547	HA STAGE 1 NOZZLE DISTRESS	PLANNING	HGP Repairs Parts Planning	10/21/2021	C - Compliance Required	5 - At Scheduled Component Repair
2262-R1	299548	HA STAGE 1 NOZZLE DISTRESS	PLANNING	HGP Repairs Parts Planning	10/21/2021	C - Compliance Required	5 - At Scheduled Component Repair
2306	299547	7HA.02 EXHAUST FRAME SHIPPING BRACKETS	PLANNING	Planned for next outage	9/9/2021	C - Compliance Required	2 - At First Opportunity
2306	299548	7HA.02 EXHAUST FRAME SHIPPING BRACKETS	PLANNING	Planned for next outage	9/9/2021	C - Compliance Required	2 - At First Opportunity
2306	299549	7HA.02 EXHAUST FRAME SHIPPING BRACKETS	PLANNING	Planned for next outage	9/9/2021	C - Compliance Required	2 - At First Opportunity
2304	299548	RECOMMENDATIONS TO MITIGATE BOTH LEAD-LAG MOTORS BEING UNAVAILABLE	PLANNING	Explain TIL to operation team.	8/23/2021	M - Maintenance	3 - Prior to Operation of Affected System
2304	299547	RECOMMENDATIONS TO MITIGATE BOTH LEAD-LAG MOTORS BEING UNAVAILABLE	PLANNING	Explain TIL to operation team.	8/24/2021	M - Maintenance	3 - Prior to Operation of Affected System
2304	370T013	RECOMMENDATIONS TO MITIGATE BOTH LEAD-LAG MOTORS BEING UNAVAILABLE	PLANNING	Explain TIL to operation team.	8/25/2021	M - Maintenance	3 - Prior to Operation of Affected System
2304	299549	RECOMMENDATIONS TO MITIGATE BOTH LEAD-LAG MOTORS BEING UNAVAILABLE	PLANNING	Explain TIL to operation team.	8/26/2021	M - Maintenance	3 - Prior to Operation of Affected System
2298	299549-HRSG	HRSG OVER-PRESSURIZATION PROTECTION RECOMMENDATIONS	COMPLETE	All recommendations were already implemented at HRSG SIL. See docs attached.	8/2/2021	S - Safety	2 - At First Opportunity
2298	299547-HRSG	HRSG OVER-PRESSURIZATION PROTECTION RECOMMENDATIONS	COMPLETE	All recommendations were already implemented at HRSG SIL. See docs attached.	8/2/2021	S - Safety	2 - At First Opportunity
2298	299548-HRSG	HRSG OVER-PRESSURIZATION PROTECTION RECOMMENDATIONS	COMPLETE	All recommendations were already implemented at HRSG SIL. See docs attached.	8/2/2021	S - Safety	2 - At First Opportunity



2174-R1	299549	7HA COMPRESSOR DISCHARGE CASING INTERNAL HORIZONTAL JOINT BOLTING	PLANNING	New internal horizontal studs and 12 point bolts must be replaced during next outage. kit 134L7511G0002 contains: 8 longer studs, 16 nuts, 16 spacers and 6 12-point bolts	5/28/2021	C - Compliance Required	4 - At First Exposure of Component
2174-R1	299547	7HA COMPRESSOR DISCHARGE CASING INTERNAL HORIZONTAL JOINT BOLTING	PLANNING	New internal horizontal studs and 12 point bolts must be replaced during next outage. kit 134L7511G0002 contains: 8 longer studs, 16 nuts, 16 spacers and 6 12-point bolts	5/28/2021	C - Compliance Required	4 - At First Exposure of Component
2174-R1	299548	7HA COMPRESSOR DISCHARGE CASING INTERNAL HORIZONTAL JOINT BOLTING	PLANNING	New internal horizontal studs and 12 point bolts must be replaced during next outage. kit 134L7511G0002 contains: 8 longer studs, 16 nuts, 16 spacers and 6 12-point bolts	5/28/2021	C - Compliance Required	4 - At First Exposure of Component
2282	299547	INCONEL STUD HYDRAULIC TENSIONING TOOL "ITH TOOL" RECOMMENDATIONS	COMPLETE	Necessary to be consider during outage, not during operation.	4/28/2021	S - Safety	5 - At Scheduled Component Repair
2282	299548	INCONEL STUD HYDRAULIC TENSIONING TOOL "ITH TOOL" RECOMMENDATIONS	COMPLETE	Necessary to be consider during outage, not during operation.	4/28/2021	S - Safety	5 - At Scheduled Component Repair
2282	299549	INCONEL STUD HYDRAULIC TENSIONING TOOL "ITH TOOL" RECOMMENDATIONS	COMPLETE	Necessary to be consider during outage, not during operation.	4/28/2021	S - Safety	5 - At Scheduled Component Repair
2277	299549	COMPRESSOR BLADE RETENTION RING RECOMMENDATIONS	PLANNING	Planned for next outage	4/5/2021	C - Compliance Required	4 - At First Exposure of Component
2277	299548	COMPRESSOR BLADE RETENTION RING RECOMMENDATIONS	PLANNING	Planned for next outage	4/5/2021	C - Compliance Required	4 - At First Exposure of Component
2277	299547	COMPRESSOR BLADE RETENTION RING RECOMMENDATIONS	PLANNING	Planned for next outage	4/5/2021	C - Compliance Required	4 - At First Exposure of Component
2233-R1	299549	CORIOLIS FLOW METER SAFETY SETTINGS FOR EXCESS FIRING FUEL FLOW SOFTWARE	COMPLETE	Submitted to GE ENG team the findings.	2/26/2021	S - Safety	2 - At First Opportunity
2233-R1	299548	CORIOLIS FLOW METER SAFETY SETTINGS FOR EXCESS FIRING FUEL FLOW SOFTWARE	COMPLETE	Submitted to GE ENG team the findings.	2/26/2021	S - Safety	2 - At First Opportunity
2233-R1	299547	CORIOLIS FLOW METER SAFETY SETTINGS FOR EXCESS FIRING FUEL FLOW SOFTWARE	COMPLETE	Submitted to GE ENG team the findings.	2/26/2021	S - Safety	2 - At First Opportunity
2126-R2	299547	7HA STAGE 1 NOZZLE SEAL CONFIGURATION UPDATE	PLANNING	To be perform during outage, to replace the old seals. Necessary order parts.	2/19/2021	C - Compliance Required	6 - Next Scheduled Outage
2126-R2	299549	7HA STAGE 1 NOZZLE SEAL CONFIGURATION UPDATE	PLANNING	To be perform during outage, to replace the old seals. Necessary order parts.	2/19/2021	C - Compliance Required	6 - Next Scheduled Outage
2126-R2	299548	7HA STAGE 1 NOZZLE SEAL CONFIGURATION UPDATE	PLANNING	To be perform during outage, to replace the old seals. Necessary order parts.	2/19/2021	C - Compliance Required	6 - Next Scheduled Outage
2257	GG10614	HA.01/HA.02 GENERATOR OUTER DEFLECTOR OIL LEAKAGE	PLANNING	Partially completed 1- new outer deflector - installed To be done for next scheduled outage 2- babbitted floating seals - not installed 3- viton seals - not installed	11/25/2020	C - Compliance Required	6 - Next Scheduled Outage
2257	GG10615	HA.01/HA.02 GENERATOR OUTER DEFLECTOR OIL LEAKAGE	PLANNING	Partially completed 1- new outer deflector - installed To be done for next scheduled outage 2- babbitted floating seals - not installed 3- viton seals - not installed	11/25/2020	C - Compliance Required	6 - Next Scheduled Outage



2257	GG10616	HA.01/HA.02 GENERATOR OUTER DEFLECTOR OIL LEAKAGE	PLANNING	Partially completed 1- new outer deflector - installed To be done for next scheduled outage 2- babbitted floating seals - not installed 3- viton seals - not installed	11/25/2020	C - Compliance Required	6 - Next Scheduled Outage
2237	299548	Smart Transmitter Alarm Failure State and Configuration Settings	PLANNING	To be planned for next outage	9/9/2020	M - Maintenance	6 - Next Scheduled Outage
2237	299547	Smart Transmitter Alarm Failure State and Configuration Settings	PLANNING	To be planned for next outage	9/9/2020	M - Maintenance	6 - Next Scheduled Outage
2237	370T013	Smart Transmitter Alarm Failure State and Configuration Settings	PLANNING	To be planned for next outage	9/9/2020	M - Maintenance	6 - Next Scheduled Outage
2237	299549	Smart Transmitter Alarm Failure State and Configuration Settings	PLANNING	To be planned for next outage	9/9/2020	M - Maintenance	6 - Next Scheduled Outage
2234	299547	LOCKING POSTS MISSING FROM 37-PIN CONNECTORS ON MULTIPLE CIRCUIT BOARDS	COMPLETE	Report generated. Wating parts. 15/03/20 - parts arrived at site, and correction implemented.	8/14/2020	C - Compliance Required	6 - Next Scheduled Outage
2234	370T013	LOCKING POSTS MISSING FROM 37-PIN CONNECTORS ON MULTIPLE CIRCUIT BOARDS	COMPLETE	Report generated. Wating parts. 15/03/20 - parts arrived at site, and correction implemented.	8/14/2020	C - Compliance Required	6 - Next Scheduled Outage
2234	299549	LOCKING POSTS MISSING FROM 37-PIN CONNECTORS ON MULTIPLE CIRCUIT BOARDS	COMPLETE	Report generated. Wating parts. 15/03/20 - parts arrived at site, and correction implemented.	8/14/2020	C - Compliance Required	6 - Next Scheduled Outage
2234	299548	LOCKING POSTS MISSING FROM 37-PIN CONNECTORS ON MULTIPLE CIRCUIT BOARDS	COMPLETE	Report generated. Wating parts. 15/03/20 - parts arrived at site, and correction implemented.	8/14/2020	C - Compliance Required	6 - Next Scheduled Outage
2232	390T013	REPLACEMENT OF TITAN SHOCK PAD WITH STEEL DISC SHIM ON UNISORB FIXATORS	N/A to UNIT	Not applicable to model: 60WT23E-110	8/12/2020	M - Maintenance	6 - Next Scheduled Outage
2232	GG10615	REPLACEMENT OF TITAN SHOCK PAD WITH STEEL DISC SHIM ON UNISORB FIXATORS	PLANNING	To be planned for next outage	8/12/2020	M - Maintenance	6 - Next Scheduled Outage
2232	GG10614	REPLACEMENT OF TITAN SHOCK PAD WITH STEEL DISC SHIM ON UNISORB FIXATORS	PLANNING	To be planned for next outage	8/12/2020	M - Maintenance	6 - Next Scheduled Outage
2232	GG10616	REPLACEMENT OF TITAN SHOCK PAD WITH STEEL DISC SHIM ON UNISORB FIXATORS	PLANNING	To be planned for next outage	8/12/2020	M - Maintenance	6 - Next Scheduled Outage
2224	299548	7HA.02 Purge Speed Operation Modification	COMPLETE	PatchV_1.08 May/2020	6/4/2020	C - Compliance Required	4 - At First Exposure of Component
2224	299547	7HA.02 Purge Speed Operation Modification	COMPLETE	PatchV_1.08 May/2020	6/4/2020	C - Compliance Required	4 - At First Exposure of Component
2224	299549	7HA.02 Purge Speed Operation Modification	COMPLETE	PatchV_1.08 May/2020	6/4/2020	C - Compliance Required	4 - At First Exposure of Component
2223	299547	7HA EXHAUST THERMOCOUPLE REPLACEMENT AND RADIATION SHIELD MODIFICATIONS	PLANNING	Most of the GT were replaced and we have partes at site to change as soon as the other get damaged, parts will be handover.	6/4/2020	C - Compliance Required	6 - Next Scheduled Outage
2223	299548	7HA EXHAUST THERMOCOUPLE REPLACEMENT AND RADIATION SHIELD MODIFICATIONS	PLANNING	Most of the GT were replaced and we have partes at site to change as soon as the other get damaged, parts will be handover.	6/4/2020	C - Compliance Required	6 - Next Scheduled Outage
2219	299549	PREVENT LS2100E TRIP AND 52SS BREAKER OPENING WITH NO TRIP FAULT	COMPLETE	De acordo com a TIL se a versão do firmware for inferior a V04.14.00C deve se mudar um parâmetro, para versões de firmwares superiores não é necessário: A versão do firmware que temos é a V07.04.21C, portanto a TIL pode ser considerada como fechada.	5/26/2020	C - Compliance Required	6 - Next Scheduled Outage



2219	299548	PREVENT LS2100E TRIP AND 52SS BREAKER OPENING WITH NO TRIP FAULT	COMPLETE	De acordo com a TIL se a versão do firmware for inferior a V04.14.00C deve se mudar um parâmetro, para versões de firmwares superiores não é necessário: A versão do firmware que temos é a V07.04.21C, portanto a TIL pode ser considerada como fechada.	5/26/2020	C - Compliance Required	6 - Next Scheduled Outage
2203	299548	7HA AND 9HA.01 COMPRESSOR BLEED VALVE REPLACEMENT	PLANNING	To be implemented when the valves are close to reach 3 years of service ER-20200715-0481	5/4/2020	C - Compliance Required	5 - At Scheduled Component Repair
2203	299547	7HA AND 9HA.01 COMPRESSOR BLEED VALVE REPLACEMENT	PLANNING	To be implemented when the valves are close to reach 3 years of service ER-20200715-0482	5/4/2020	C - Compliance Required	5 - At Scheduled Component Repair
2203	299549	7HA AND 9HA.01 COMPRESSOR BLEED VALVE REPLACEMENT	PLANNING	To be implemented when the valves are close to reach 3 years of service ER-20200715-0483	5/4/2020	C - Compliance Required	5 - At Scheduled Component Repair
2047-R1	GG10615	SEAL OIL SYSTEM CONTROLLER LOSS OF POWER / REBOOT PROCEDURE TO AVOID DIFFERENTIAL PRESSURE DROP OFF	COMPLETE	Knowledge Article KB0024209 to be followed when performing work on the control, instrumentation or electrical systems that may have an impact on the seal oil control valve	2/4/2020	S - Safety	4 - At First Exposure of Component
2047-R1	GG10616	SEAL OIL SYSTEM CONTROLLER LOSS OF POWER / REBOOT PROCEDURE TO AVOID DIFFERENTIAL PRESSURE DROP OFF	COMPLETE	Knowledge Article KB0024209 to be followed when performing work on the control, instrumentation or electrical systems that may have an impact on the seal oil control valve	2/4/2020	S - Safety	4 - At First Exposure of Component
2047-R1	390T013	SEAL OIL SYSTEM CONTROLLER LOSS OF POWER / REBOOT PROCEDURE TO AVOID DIFFERENTIAL PRESSURE DROP OFF	N/A to UNIT	This seal oil system does not have electric control valve	2/4/2020	S - Safety	4 - At First Exposure of Component
2047-R1	GG10614	SEAL OIL SYSTEM CONTROLLER LOSS OF POWER / REBOOT PROCEDURE TO AVOID DIFFERENTIAL PRESSURE DROP OFF	COMPLETE	Knowledge Article KB0024209 to be followed when performing work on the control, instrumentation or electrical systems that may have an impact on the seal oil control valve	2/4/2020	S - Safety	4 - At First Exposure of Component
2182	299549	RECOMMENDATION TO ADDRESS 7HA.02-H65 SYSTEM NATURAL FREQUENCY	COMPLETE	TIL is applied.	1/22/2020	C - Compliance Required	5 - At Scheduled Component Repair
2182	299547	RECOMMENDATION TO ADDRESS 7HA.02-H65 SYSTEM NATURAL FREQUENCY	COMPLETE	TIL is applied.	1/22/2020	C - Compliance Required	5 - At Scheduled Component Repair
2182	299548	RECOMMENDATION TO ADDRESS 7HA.02-H65 SYSTEM NATURAL FREQUENCY	COMPLETE	TIL is applied.	1/22/2020	C - Compliance Required	5 - At Scheduled Component Repair
2181	299549	STAGE 1 NOZZLE CREEP DEGRADATION MODEL	COMPLETE	Software Patch_V1.04 updates the S1N Curve to comply with TIL 2181	1/16/2020	C - Compliance Required	2 - At First Opportunity
2181	299548	STAGE 1 NOZZLE CREEP DEGRADATION MODEL	COMPLETE	Software Patch_V1.04 updates the S1N Curve to comply with TIL 2182	1/16/2020	C - Compliance Required	2 - At First Opportunity
2181	299547	STAGE 1 NOZZLE CREEP DEGRADATION MODEL	COMPLETE	Software Patch_V1.04 updates the S1N Curve to comply with TIL 2183	1/16/2020	C - Compliance Required	2 - At First Opportunity
2179	299549	7HA.02 OFFLINE WATER WASH SYSTEM RECOMMENDATIONS	COMPLETE	Condition described in this TIL was not observed in this unit. Refer ER-20200313-0425	1/7/2020	C - Compliance Required	6 - Next Scheduled Outage
2179	299547	7HA.02 OFFLINE WATER WASH SYSTEM RECOMMENDATIONS	COMPLETE	Condition described in this TIL was not observed in this unit. Refer ER-20200313-0426	1/7/2020	C - Compliance Required	6 - Next Scheduled Outage
2179	299548	7HA.02 OFFLINE WATER WASH SYSTEM RECOMMENDATIONS	COMPLETE	Condition described in this TIL was not observed in this unit. Refer ER-20200313-0427	1/7/2020	C - Compliance Required	6 - Next Scheduled Outage



2172	299547	7HA WHEELSPACE THERMOCOUPLE UPGRADE	PLANNING	To be performed at the next planned turbine nozzle replacement	12/2/2019	C - Compliance Required	5 - At Scheduled Component Repair
2172	299549	7HA WHEELSPACE THERMOCOUPLE UPGRADE	PLANNING	To be performed at the next planned turbine nozzle replacement	12/2/2019	C - Compliance Required	5 - At Scheduled Component Repair
2172	299548	7HA WHEELSPACE THERMOCOUPLE UPGRADE	PLANNING	To be performed at the next planned turbine nozzle replacement	12/2/2019	C - Compliance Required	5 - At Scheduled Component Repair
2160	299547	GE DIGITAL COMMON LICENSING ERROR – CONTROLST & CIMPPLICITY	COMPLETE	DCS implemented	10/4/2019	M - Maintenance	6 - Next Scheduled Outage
2160	299549	GE DIGITAL COMMON LICENSING ERROR – CONTROLST & CIMPPLICITY	COMPLETE	DCS implemented	10/4/2019	M - Maintenance	6 - Next Scheduled Outage
2160	299548	GE DIGITAL COMMON LICENSING ERROR – CONTROLST & CIMPPLICITY	COMPLETE	DCS implemented	10/4/2019	M - Maintenance	6 - Next Scheduled Outage
2135-R2	299547	HA-CLASS THREADED FASTENER REPLACEMENT RECOMMENDATIONS	COMPLETE	Per the findings reported in the HGPI report July 19 there were not CSA marks on the bolts.	10/4/2019	C - Compliance Required	6 - Next Scheduled Outage
2135-R2	299548	HA-CLASS THREADED FASTENER REPLACEMENT RECOMMENDATIONS	COMPLETE	Per the findings reported in the HGPI report July 19 there were not CSA marks on the bolts.	10/4/2019	C - Compliance Required	6 - Next Scheduled Outage
2135-R2	299549	HA-CLASS THREADED FASTENER REPLACEMENT RECOMMENDATIONS	COMPLETE	Per the findings reported in the HGPI report July 19 there were not CSA marks on the bolts.	10/4/2019	C - Compliance Required	6 - Next Scheduled Outage
2157	299547	VENT PORT ORIENTATION OF SOLENOID OPERATED PNEUMATIC VALVES	PLANNING	To be performed at next scheduled outage	9/23/2019	M - Maintenance	6 - Next Scheduled Outage
2157	299548	VENT PORT ORIENTATION OF SOLENOID OPERATED PNEUMATIC VALVES	PLANNING	To be performed at next scheduled outage	9/23/2019	M - Maintenance	6 - Next Scheduled Outage
2157	299549	VENT PORT ORIENTATION OF SOLENOID OPERATED PNEUMATIC VALVES	PLANNING	To be performed at next scheduled outage	9/23/2019	M - Maintenance	6 - Next Scheduled Outage
2141-R1	299547	7HA.02 STAGE ONE SHROUD RUB RISK REDUCTION	PLANNING	New S1S segments must be installed during the next outage to complete this TIL	9/4/2019	C - Compliance Required	6 - Next Scheduled Outage
2141-R1	299548	7HA.02 STAGE ONE SHROUD RUB RISK REDUCTION	PLANNING	New S1S segments must be installed during the next outage to complete this TIL	9/4/2019	C - Compliance Required	6 - Next Scheduled Outage
2141-R1	299549	7HA.02 STAGE ONE SHROUD RUB RISK REDUCTION	PLANNING	New S1S segments must be installed during the next outage to complete this TIL	9/4/2019	C - Compliance Required	6 - Next Scheduled Outage
2149	299547	7HA.02 EXHAUST AEROPLATE MODIFICATION	COMPLETE	Recommendations were implemented	8/2/2019	C - Compliance Required	6 - Next Scheduled Outage
2149	299548	7HA.02 EXHAUST AEROPLATE MODIFICATION	COMPLETE	Recommendations were implemented	8/2/2019	C - Compliance Required	6 - Next Scheduled Outage
2149	299549	7HA.02 EXHAUST AEROPLATE MODIFICATION	COMPLETE	Recommendations were implemented	8/2/2019	C - Compliance Required	6 - Next Scheduled Outage
2148	299548	HA UNIT ROTOR LIFETIME RECOMMENDATIONS	PLANNING	Rotor inspection must be performed at or before factored fired starts as listed in the table 1 (2000 factored fired starts)	8/1/2019	S - Safety	5 - At Scheduled Component Repair
2148	299549	HA UNIT ROTOR LIFETIME RECOMMENDATIONS	PLANNING	Rotor inspection must be performed at or before factored fired starts as listed in the table 1 (2000 factored fired starts)	8/1/2019	S - Safety	5 - At Scheduled Component Repair



2148	299547	HA UNIT ROTOR LIFETIME RECOMMENDATIONS	PLANNING	Rotor inspection must be performed at or before factored fired starts as listed in the table 1 (2000 factored fired starts)	8/1/2019	S - Safety	5 - At Scheduled Component Repair
2094-R3	299547	HA AXIAL FUEL STAGING (AFS) COMBUSTION RECOMMENDATIONS	PLANNING	The software upgrade Patch_V1.04 installed, contain latest recommendations for AFS , As mentioned by the Timing Code for Hot Fuel Units, recommendation is that Hardware be replaced with the AFS assembly Gen II configuration during the next planned repair interval as part of normal maintenance	7/24/2019	C - Compliance Required	5 - At Scheduled Component Repair
2094-R3	299549	HA AXIAL FUEL STAGING (AFS) COMBUSTION RECOMMENDATIONS	PLANNING	The software upgrade Patch_V1.04 installed, contain latest recommendations for AFS , As mentioned by the Timing Code for Hot Fuel Units, recommendation is that Hardware be replaced with the AFS assembly Gen II configuration during the next planned repair interval as part of normal maintenance	7/24/2019	C - Compliance Required	5 - At Scheduled Component Repair
2094-R3	299548	HA AXIAL FUEL STAGING (AFS) COMBUSTION RECOMMENDATIONS	PLANNING	The software upgrade Patch_V1.04 installed, contain latest recommendations for AFS , As mentioned by the Timing Code for Hot Fuel Units, recommendation is that Hardware be replaced with the AFS assembly Gen II configuration during the next planned repair interval as part of normal maintenance	7/24/2019	C - Compliance Required	5 - At Scheduled Component Repair
2133	299547	STATOR KEY DEFORMATION AND STATOR SEGMENT MIGRATION	PLANNING	Visual inspection must be completed during removal of compressor casings to confirm if keys are marked with HC. According with the BOM of this unit the updated stator keys are already installed.	4/3/2019	C - Compliance Required	4 - At First Exposure of Component
2133	299548	STATOR KEY DEFORMATION AND STATOR SEGMENT MIGRATION	PLANNING	Visual inspection must be completed during removal of compressor casings to confirm if keys are marked with HC. According with the BOM of this unit the updated stator keys are already installed.	4/3/2019	C - Compliance Required	4 - At First Exposure of Component
2133	299549	STATOR KEY DEFORMATION AND STATOR SEGMENT MIGRATION	PLANNING	Visual inspection must be completed during removal of compressor casings to confirm if keys are marked with HC. According with the BOM of this unit the updated stator keys are already installed.	4/3/2019	C - Compliance Required	4 - At First Exposure of Component
2128	370T013	INSPECTION FOR CHROME CONTENT IN HIGH CHROME VALVE CASING INLET WELDS	COMPLETE	No chrome identified	3/14/2019	A - Alert	6 - Next Scheduled Outage
2125	299549	CONTROL SERVER PLATFORM SETTING VERIFICATIONS & UPDATES	COMPLETE	TIL-2125 Applied on March 15th.	3/8/2019	C - Compliance Required	6 - Next Scheduled Outage
2125	299548	CONTROL SERVER PLATFORM SETTING VERIFICATIONS & UPDATES	COMPLETE	TIL-2125 Applied on March 15th.	3/8/2019	C - Compliance Required	6 - Next Scheduled Outage
2125	299547	CONTROL SERVER PLATFORM SETTING VERIFICATIONS & UPDATES	COMPLETE	TIL-2125 Applied on March 15th.	3/8/2019	C - Compliance Required	6 - Next Scheduled Outage
2117	299548	7HA UNIBODY PROBE COLLAR (FLOATING HAT) MODIFICATION	COMPLETE	Recommendations were implemented during the last outage (Jun/19)	1/14/2019	C - Compliance Required	2 - At First Opportunity
2117	299547	7HA UNIBODY PROBE COLLAR (FLOATING HAT) MODIFICATION	COMPLETE	Recommendations were implemented during the last outage (Jun/19)	1/14/2019	C - Compliance Required	2 - At First Opportunity



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2117	299549	7HA UNIBODY PROBE COLLAR (FLOATING HAT) MODIFICATION	COMPLETE	Recommendations were implemented during last outage Jul 19	1/14/2019	C - Compliance Required	2 - At First Opportunity
2115	299549	7HA AFT BASE PLATE POSITION	COMPLETE	The recommendations were successfully implemented	12/21/2018	C - Compliance Required	2 - At First Opportunity
2115	299548	7HA AFT BASE PLATE POSITION	COMPLETE	The recommendations were successfully implemented	12/21/2018	C - Compliance Required	2 - At First Opportunity
2115	299547	7HA AFT BASE PLATE POSITION	COMPLETE	The recommendations were successfully implemented	12/21/2018	C - Compliance Required	2 - At First Opportunity
2114	299548	WATER MIST SPRAY NOZZLE INSTALLATION	COMPLETE	Recommendations were successfully implemented	12/21/2018	C - Compliance Required	4 - At First Exposure of Component
2114	299547	WATER MIST SPRAY NOZZLE INSTALLATION	COMPLETE	Recommendations were successfully implemented	12/21/2018	C - Compliance Required	4 - At First Exposure of Component
2114	299549	WATER MIST SPRAY NOZZLE INSTALLATION	COMPLETE	Recommendations were implemented	12/21/2018	C - Compliance Required	4 - At First Exposure of Component
2110	299548	CONFIGURATION SETTINGS FOR SERVO SUICIDE ON PSVO PACK	N/A to UNIT	No PSVO for HA class	12/13/2018	C - Compliance Required	6 - Next Scheduled Outage
2110	299549	CONFIGURATION SETTINGS FOR SERVO SUICIDE ON PSVO PACK	N/A to UNIT	No PSVO for HA class	12/13/2018	C - Compliance Required	6 - Next Scheduled Outage
2110	299547	CONFIGURATION SETTINGS FOR SERVO SUICIDE ON PSVO PACK	N/A to UNIT	No PSVO for HA class	12/13/2018	C - Compliance Required	6 - Next Scheduled Outage
2097	299547	7HA STAGE ONE BUCKET SHANK DISTRESS	COMPLETE	Recommendations implemented during outage Jun 19	10/2/2018	A - Alert	6 - Next Scheduled Outage
2097	299548	7HA STAGE ONE BUCKET SHANK DISTRESS	COMPLETE	Recommendations implemented during outage Jun 20	10/2/2018	A - Alert	6 - Next Scheduled Outage
2097	299549	7HA STAGE ONE BUCKET SHANK DISTRESS	COMPLETE	Recommendations implemented during outage Jun 21	10/2/2018	A - Alert	6 - Next Scheduled Outage
2095	299549	PAIC, YAIC, & PGEN I/O PACK SIGNAL DROP DUE TO POWER LOSS	PLANNING	Report issued to management. Waiting parts	9/13/2018	C - Compliance Required	6 - Next Scheduled Outage
2095	299547	PAIC, YAIC, & PGEN I/O PACK SIGNAL DROP DUE TO POWER LOSS	PLANNING	Report issued to management. Waiting parts	9/13/2018	C - Compliance Required	6 - Next Scheduled Outage
2095	299548	PAIC, YAIC, & PGEN I/O PACK SIGNAL DROP DUE TO POWER LOSS	PLANNING	Report issued to management. Waiting parts	9/13/2018	C - Compliance Required	6 - Next Scheduled Outage
2089	299548	HAZARDOUS GAS MONITORING SAFETY RISK DUE TO PAIC/YAIC I/O PACK POWER LOSS	N/A to UNIT	96HT signals are connected to YSIL on this project and not PAIC or YAIC	8/17/2018	S - Safety	2 - At First Opportunity
2089	299549	HAZARDOUS GAS MONITORING SAFETY RISK DUE TO PAIC/YAIC I/O PACK POWER LOSS	N/A to UNIT	96HT signals are connected to YSIL on this project and not PAIC or YAIC	8/17/2018	S - Safety	2 - At First Opportunity
2089	299547	HAZARDOUS GAS MONITORING SAFETY RISK DUE TO PAIC/YAIC I/O PACK POWER LOSS	N/A to UNIT	96HT signals are connected to YSIL on this project and not PAIC or YAIC	8/17/2018	S - Safety	2 - At First Opportunity
2086	299549	CONTROL SYSTEM LIFETIME LIMITATION DUE TO CYBER RISK	COMPLETE	OEM routine TIL practices	7/11/2018	M - Maintenance	6 - Next Scheduled Outage
2086	370T013	CONTROL SYSTEM LIFETIME LIMITATION DUE TO CYBER RISK	COMPLETE	OEM routine TIL practices	7/11/2018	M - Maintenance	6 - Next Scheduled Outage



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2086	299547	CONTROL SYSTEM LIFETIME LIMITATION DUE TO CYBER RISK	COMPLETE	OEM routine TIL practices	7/11/2018	M - Maintenance	6 - Next Scheduled Outage
2086	299548	CONTROL SYSTEM LIFETIME LIMITATION DUE TO CYBER RISK	COMPLETE	OEM routine TIL practices	7/11/2018	M - Maintenance	6 - Next Scheduled Outage
2082	299547	ACCEPTABLE PRACTICES FOR I/O PACK REPLACEMENT	COMPLETE	OEM best practices	6/11/2018	M - Maintenance	5 - At Scheduled Component Repair
2082	370T013	ACCEPTABLE PRACTICES FOR I/O PACK REPLACEMENT	COMPLETE	OEM best practices	6/11/2018	M - Maintenance	5 - At Scheduled Component Repair
2082	299549	ACCEPTABLE PRACTICES FOR I/O PACK REPLACEMENT	COMPLETE	OEM best practices	6/11/2018	M - Maintenance	5 - At Scheduled Component Repair
2082	299548	ACCEPTABLE PRACTICES FOR I/O PACK REPLACEMENT	COMPLETE	OEM best practices	6/11/2018	M - Maintenance	5 - At Scheduled Component Repair
2081	370T013	UNIT TRIP RISK WITH SPECIFIC CONFIGURATION OF PPRO/VPRO	N/A to UNIT	No PPRO/VPRO on this project	6/5/2018	C - Compliance Required	6 - Next Scheduled Outage
2081	299548	UNIT TRIP RISK WITH SPECIFIC CONFIGURATION OF PPRO/VPRO	N/A to UNIT	No PPRO/VPRO on this project	6/5/2018	C - Compliance Required	6 - Next Scheduled Outage
2081	299547	UNIT TRIP RISK WITH SPECIFIC CONFIGURATION OF PPRO/VPRO	N/A to UNIT	No PPRO/VPRO on this project	6/5/2018	C - Compliance Required	6 - Next Scheduled Outage
2081	299549	UNIT TRIP RISK WITH SPECIFIC CONFIGURATION OF PPRO/VPRO	N/A to UNIT	No PPRO/VPRO on this project	6/5/2018	C - Compliance Required	6 - Next Scheduled Outage
2077	370T013	SOFTWARE VARIABLE CONNECTION PROPERTY VERIFICATION	COMPLETE	Software checked by Controls Req engineer. ControlST V07.04.05C	4/23/2018	S - Safety	2 - At First Opportunity
2072	299548	SOFTWARE VARIABLE CONNECTION PROPERTY VERIFICATION	COMPLETE	The UTE Porto de sergipe doesnt have the bender relay but the fail safe indication for undervoltage conditions were applied according to the FMI drawing received by Engineering. See drawing attached for both Seal and lube emergency pumps.	3/27/2018	A - Alert	2 - At First Opportunity
2072	299547	SOFTWARE VARIABLE CONNECTION PROPERTY VERIFICATION	COMPLETE	The UTE Porto de sergipe doesnt have the bender relay but the fail safe indication for undervoltage conditions were applied according to the FMI drawing received by Engineering. See drawing attached for both Seal and lube emergency pumps.	3/27/2018	A - Alert	2 - At First Opportunity
2048	299549	7HA.02 SHIPPING T-BLOCK REMOVAL RISKS	COMPLETE	Recommendations were implemented	8/10/2017	S - Safety	2 - At First Opportunity
2048	299548	7HA.02 SHIPPING T-BLOCK REMOVAL RISKS	COMPLETE	Recommendations implemented successfully	8/10/2017	S - Safety	2 - At First Opportunity
2048	299547	7HA.02 SHIPPING T-BLOCK REMOVAL RISKS	COMPLETE	Recommendations were successfully implemented	8/10/2017	S - Safety	2 - At First Opportunity
1931	299548	COMBUSTION DYNAMICS AND UNIT OPERABILITY	COMPLETE / RECURRING	CDM monitored during the unit startup	6/6/2014	C - Compliance Required	1 – Prior to Unit Startup (forced outage condition)
1931	299549	COMBUSTION DYNAMICS AND UNIT OPERABILITY	COMPLETE / RECURRING	CDM monitored during the unit startup	6/6/2014	C - Compliance Required	1 – Prior to Unit Startup (forced outage condition)
1931	299547	COMBUSTION DYNAMICS AND UNIT OPERABILITY	COMPLETE / RECURRING	CDM monitored during the unit startup	6/6/2014	C - Compliance Required	1 – Prior to Unit Startup (forced outage condition)



Notas Fiscais O&M

Nota Fiscal	Mês	Descrição	Emissão	Valor
244	janeiro-20	Mobilização	2/6/2020	R\$ 874,718.37
247	fevereiro-20	Mobilização	2/28/2020	R\$ 874,718.37
261	março-20	Mobilização + Reajuste	4/6/2020	R\$ 987,715.54
263	abril-20	Mobilização	4/6/2020	R\$ 912,384.09
265	maio-20	Mobilização	5/7/2020	R\$ 912,384.09
281	junho-20	Mobilização	6/10/2020	R\$ 912,384.09
285	julho-20	Mobilização	7/6/2020	R\$ 912,384.09
286	agosto-20	Mobilização	8/7/2020	R\$ 912,384.09
304	setembro-20	Mobilização	9/11/2020	R\$ 912,384.09
319	outubro-20	Mobilização	10/5/2020	R\$ 912,384.09
320	novembro-20	Mobilização	11/4/2020	R\$ 912,384.09
334	dezembro-20	Mobilização	12/4/2020	R\$ 912,384.09
Total 2020				R\$ 10,948,609.09
338	janeiro-21	Mobilização	1/6/2021	R\$ 912,328.75
344	janeiro-21	Extra Work	2/3/2021	R\$ 35,000.00
349	fevereiro-21	Mobilização	2/5/2021	R\$ 994,925.75
355	fevereiro-21	Extra Work	3/2/2021	R\$ 35,000.00
356	março-21	Mobilização	3/2/2021	R\$ 953,599.58
364	março-21	Extra Work	4/6/2021	R\$ 35,000.00
370	abril-21	Mobilização	4/7/2021	R\$ 953,599.58
369	abril-21	Extra Work	5/4/2021	R\$ 35,000.00
383	junho-21	Mobilização	6/7/2021	R\$ 953,599.58
386	junho-21	Extra Work	6/7/2021	R\$ 35,000.00
395	julho-21	Mobilização	7/23/2021	R\$ 30,761.28
392	julho-21	Extra Work	7/19/2021	R\$ 35,000.00
393	julho-21	Extra Work - Calibrações	7/19/2021	R\$ 30,000.00
398	agosto-21	Fixed Fee - O&M	10/8/2021	R\$ 1,380,448.95
399	agosto-21	Variable Fee - O&M	10/8/2021	R\$ 115,658.10
400	agosto-21	Extra Work	10/8/2021	R\$ 1,166.70
404	setembro-21	Fixed Fee - O&M	9/3/2021	R\$ 1,426,463.92
405	setembro-21	Variable Fee - O&M	9/3/2021	R\$ 135,138.69
408	setembro-21	Fixed Fee - CSA	9/14/2021	R\$ 1,211,628.80
407	setembro-21	Variable Fee - CSA	9/13/2021	R\$ 11,465,941.44
412	outubro-21	Fixed Fee - O&M	10/7/2021	R\$ 1,426,463.92
413	outubro-21	Variable Fee - O&M	10/7/2021	R\$ 130,779.37
417	novembro-21	Fixed Fee - O&M	8/11/2021	R\$ 1,426,463.92
418	novembro-21	Variable Fee - O&M	8/11/2021	R\$ 135,138.69
426	dezembro-21	Fixed Fee - O&M	8/12/2021	R\$ 1,426,463.92
425	dezembro-21	Variable Fee - O&M	8/12/2021	R\$ 138,446.32
424	dezembro-21	Fixed Fee - CSA	8/12/2021	R\$ 1,224,798.68
424	dezembro-21	Variable Fee - CSA	8/12/2021	R\$ 12,977,840.92
Total 2021				R\$ 39,661,656.85
431	janeiro-22	Fixed Fee - O&M	10/1/2022	R\$ 1,426,463.92
432	janeiro-22	Variable Fee - O&M	10/1/2022	R\$ 164,320.65
434	fevereiro-22	Fixed Fee - O&M	4/2/2022	R\$ 1,569,981.17
435	fevereiro-22	Variable Fee - O&M	4/2/2022	R\$ 155,728.00
442	março-22	Fixed Fee - O&M	9/3/2022	R\$ 1,569,981.17
443	março-22	Variable Fee - O&M	9/3/2022	R\$ 1,429.38
444	março-22	Fixed Fee - CSA	10/3/2022	R\$ 7,035,332.04
454	abril-22	Fixed Fee - O&M	7/4/2022	R\$ 1,569,981.17
455	abril-22	Variable Fee - O&M	7/4/2022	R\$ 6,497.16
465	maio-22	Fixed Fee - O&M	9/5/2022	R\$ 1,569,981.17
Total 2022				R\$ 15,069,695.83



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