

Daily System Generation Summary on Monday

Monday, May 9, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,443 MW
Distillate	0 MW
Total TNB	2,443 MW
Total IPP	17,526 MW
Total Co-Gen	0 MW
Total System	24,248 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,661	5.43 %
Distillate	1,142	0.30 %
Gas	45,927	12.07 %
Total TNB	67,730	17.79 %
ST-Coal	215,543	56.63 %
LSS	3,478	0.91 %
Distillate	293	0.08 %
Gas	92,210	24.22 %
Total IPP	311,524	81.84 %
Co-Gen	1,229	0.32 %
Total Co-Gen	1,229	0.32 %
Total Generation	380,483	99.96 %
PLTG	-63	-0.02 %
HVDC	-97	-0.03 %
Interconnection	-160	-0.04 %
Net Energy	380,643	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,673 MW
TNB Generation	4,551 MW
IPP Generation	13,715 MW
Spinning Reserve	1,359 MW
Maximum Demand	18,191 MW
Net Energy	380,643 MWH
Load Factor	87.19 %

Fuel Cost

Total Cost:	104,086,355.28 RM
Cost per Unit	27.35 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	767
Hydro	417
Syncon	56
Thermal	213
Total	1,453

Time	Weather	Temperature
Afternoon	Hot	37
Morning	Sunny	29

Gas Usage

Station	(mmscfd)
GLGR	58
SRDG	9
TJGS	125
Total TNB	191
CBPS	48
EMPP	270
KLPP	1
NPRI	152
PCGP	77
PGLA	12
PLPS	8
SGB3	6
SKSP	26
SPGP	132
Total IPP	732
Total Gas	923

Total Gas Required 939

Alternate Fuel Usage

Station	(mmscfd)
SRDG	14
PLPS	2
Total	16

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	15126	14438	13967	13530	13088	12834	13119	13200	13854	15766	16668	17158	17053	16902	17690	18112	18152	17739	16563	16538	17488	17426	17066	16695

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, June 8, 2022 11:36:09 AM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

Station	Unit	0000		0100		0200		0300		0400		0500		0600		0700		0800		0900		1000		1100		1200		1300		1400		1500		1600		1700		1800		1900		2000		2100		2200		2300								
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	125	89	89	89	89	89	89	39	0	0	0	0	0	0	0	0	0	0	0	0						
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	125	88	91	89	89	89	89	0	0	0	0	0	0	0	0	0	0	0	0	0						
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	168	250	177	180	178	178	178	178	39	0	0	0	0	0	0	0	0	0	0	0	0						
BSIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	22	23	22	22	23	23	23	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22					
BSIA	HY03	23	23	23	23	23	23	23	23	23	23	22	23	6	0	0	0	0	11	23	23	22	22	23	23	23	23	23	24	23	23	23	23	23	23	23	23	23	23	23	23	23	22	23	23	23	23	23	23	23						
CEND	HY01	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10								
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9						
CEND	HY03	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	10	9	10	10	10	10	10	10	10	10	9	10	9	9	9	9	9							
CEND	HY04	8	8	8	8	8	8	8	8	8	8	7	8	7	8	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	7	7	8						
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	123	124	123	123	124	123	124	124	124	124	124	123	123	123	124	123	123	124	123	123	124	123					
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	62	1	1	66	63	122	123	122	123	122	122	123	122	122	122	122	122	122	122	122	122	122	122	122				
HTRG	HY03	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3						
HTRG	HY04	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3						
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	33	33	33	33	34	34	33	34	21	21	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	34	34	34	34	34	34					
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	37	37	0	0	0	0	0	20	36	36	36	36	36	36	36	21	21	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36				
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	36	36	36	37	36	37	37	36	36	35	35	35	35	35	35	35	22	22	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35				
LPIA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23						
LPIA	HY02	15	15	16	15	15	15	15	15	16	15	15	15	15	15	15	15	15	15	15	17	19	20	20	20	20	21	21	21	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22					
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
PGAU	HY03	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	82	82	82	114	83	21	21	21	21	21	153	152	83	83	22	22	22	22	22	22	22	22	22	22	84	83	22	22	21	21	22	22				
PGAU	HY04	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	80	81	81	112	82	20	20	21	20	153	152	82	82	22	22	22	22	22	22	22	22	21	82	21	21	21	21	21	21	21	21	21	111			
SIHY	HY02	50	50	50	50	50	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50						
SIHY	HY03	50	50	50	50	50	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50						
SYPS	HY01	25	25	25	25	25	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25				
SYPS	HY03	25	25	25	25	25	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25				
SYPS	HY04	25	25	25	25	25	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25				
TMGR	HY01	82	85	54	45	44	43	70	48	43	85	41	85	63	43	43	68	67	81	61	85	84	69	67	42	42	47	85	84	78	84	43	41	42	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84					
TMGR	HY02	86	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	84	84	84	83	83	83	84	83	84	86	83	82	79	76	84	81	82	83	83	81	82	80	82	82	82	83	83	83	83					
TMGR	HY03	82	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32	82	82	82	82	81	82	32	80	80	84	80	79	79	76	80	78	80	80	80	78	79	76	80	80	80	80	80	80	80	80				
TMGR	HY04	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	85	85	85	85	85	33	81	81	85	81	80	80	77	81	79	81	81	79	80	77	81	81	80	81	81	81
UJLI	HY01	89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	93	91	114	115	111	111	112	119	117	117	182	176	174	175	133	88	84	-1	-1	95	108	140	81	87	86	86	94	93	-1	-1					
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	88	95	186	115	117	114	112	115	119	118	119	186	180	178	179	137	91	87	90	89	96	111	143	83	90	89	-1	-1	-1	-1					
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5						
UPIA	HY02	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5						
Total Hydro		835	675	478	468	468	403	430	297	292	333	289	333	295	233	233	258	257	363	511	675	1021	958	1																																

Daily MW Generation on Monday

Stsion	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
JSL5	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KDL5	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KKL5	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KML5	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KRL5	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MCL5	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKL5	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SPL5	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SSL5	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STL5	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TBL5	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	14	58	107	188	231	288	320	364	505	440	569	458	452
PCUF	CUFG	28	28	27	27	26	27	27	28	27	26	26	25	26	26	24	23	24	24	22	22	21	23	22	23	25
PCUF	CUFK	26	27	27	26	26	26	26	27	28	26	25	26	24	26	25	26	25	26	26	25	27	26	26	25	27
Total Co-Gen		54	55	54	53	52	53	53	55	55	52	51	51	50	52	51	55	52	52	52	53	50	49	49	48	49
Total Gen		15154	14749	14405	14199	13922	13618	13506	13251	13070	13060	12878	12925	13152	13313	13220	13225	13822	15044	15741	16123	16602	16843	17114	17326	
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TIE-HVDC		30	30	30	-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TIE-PLTG		-2	-99	-63	0	-45	-20	-24	-43	-18	-47	44	-34	33	24	20	32	-32	26	-25	-64	-66	-51	-44	-11	
Interconnection		28	-69	-33	-28	-45	-20	-24	-43	-18	-47	44	-34	33	24	20	32	-32	26	-25	-64	-66	-51	-44	-11	
System Total		15126	14818	14438	14227	13967	13638	13530	13294	13088	13107	12834	12959	13119	13289	13200	13193	13854	15018	15766	16187	16668	16894	17158	17337	
SRev ST-Coal		183	310	419	514	555	559	549	566	744	803	813	857	680	599	559	548	564	346	189	190	193	185	177	180	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		2040	2159	2196	2288	2428	2648	2712	2820	2821	2805	2931	2829	2797	2654	2791	2834	2263	1617	1309	1133	1055	788	634	752	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		313	588	588	588	588	588	588	588	588	588	588	588	588	489	302	214	126	126	0	0	0	126	126	126	
Hydro		419	314	338	348	348	413	386	344	349	308	352	308	346	344	319	320	400	630	554	296	359	422	453	515	
S.Reserve Total		2955	3371	3628	3825	4006	4295	4322	4405	4589	4591	4771	4669	4498	4272	4369	4376	3822	2852	2430	2091	1670	1458	1233	1385	