

Daily System Generation Summary on Monday

Monday, May 3, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	2,372 MW
Total IPP	16,299 MW
Total Co-Gen	0 MW
Total System	22,650 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,517	6.05 %
Gas	72,462	19.48 %
Total TNB	94,979	25.54 %
ST-Coal	208,666	56.10 %
LSS	3,173	0.85 %
Gas	65,000	17.48 %
Total IPP	276,839	74.43 %
Co-Gen	162	0.04 %
Total Co-Gen	162	0.04 %
Total Generation	371,980	100.01 %
PLTG	-177	-0.05 %
HVDC	227	0.06 %
Interconnection	50	0.01 %
Net Energy	371,930	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	18,974 MW
TNB Generation	5,029 MW
IPP Generation	12,851 MW
Spinning Reserve	1,086 MW
Maximum Demand	17,901 MW
Net Energy	371,930 MWH
Load Factor	86.57 %

Fuel Cost

Total Cost:	56,311,065.26 RM
Cost per Unit	15.13 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	423
Hydro	595
Syncon	267
Thermal	203
Total	1,488

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	53
SRDG	7
TJGS	213
Total TNB	273
CBPS	55
NPRI	158
PLPS	75
SKSP	52
YPKA	51
Total IPP	391
Total Gas	664

Total Gas Required 664

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	14622	13927	13329	12908	12671	12730	12874	12774	13676	15412	16244	16835	16762	16687	17432	17901	17900	17353	16485	16338	16854	17028	16627	16270

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 9:43:05 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

[illegible]

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																								
BSIA	HY03	23	23	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																								
CEND	HY01	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	9	10	9	10	9	9	9	9	10	10	9	10	10	10	9	10	10	10	10	10	10	10	10	10																								
CEND	HY03	10	9	9	9	9	9	9	9	9	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10																								
CEND	HY04	8	7	7	7	7	8	8	7	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8																								
HTRG	HY01	125	-1	-1	-1	0	0	0	0	0	0	0	0	64	124	62	62	52	64	64	64	64	-1	64	123																								
HTRG	HY02	63	63	-1	-1	63	63	63	62	63	63	-1	-1	-1	-1	-1	-1	65	64	63	65	64	64	64	-1																								
KNRG	HY01	36	36	36	36	36	36	36	36	36	36	0	0	0	0	0	22	22	22	22	22	23	22	22	23																								
KNRG	HY02	37	37	38	37	37	38	37	38	38	37	37	0	0	0	0	24	25	24	24	24	25	25	24	25																								
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	38	38	38	38	37	25	24	24	24	24	25	25	36	36																								
KNYR	HY01	97	58	0	0	0	0	0	0	0	0	0	0	60	100	100	100	60	101	100	100	100	100	100	100																								
KNYR	HY02	98	99	58	87	59	63	59	58	59	59	66	100	101	85	60	97	101	61	91	100	81	74	87	99																								
KNYR	HY03	97	58	-1	-1	-1	-1	98	98	98	96	100	100	101	99	98	98	100	57	-1	60	59	99	99	59																								
KNYR	HY04	58	60	58	-1	-1	-1	99	99	99	98	101	101	102	100	99	99	101	57	60	101	100	100	100	100																								
LPIA	HY01	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18																								
LPIA	HY02	18	18	18	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17																								
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																								
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	21	53	81	21	81	81																								
PGAU	HY02	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																								
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	21	21																								
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	21	21																								
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	48	48	48																								
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50																								
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50																								
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25																								
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25																								
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25																								
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25																								
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	31	84	84	31	-1	31	83	84																							
TMGR	HY02	41	45	53	78	41	55	43	44	43	42	44	49	88	62	42	49	44	44	44	45	45	44	44	59	43																							
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	82	82																								
TMGR	HY04	31	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																							
UJLI	HY01	61	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	95	96	96																								
UJLI	HY02	85	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	151	187	186	186	186	184	95																								
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																								
UPIA	HY02	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		1015	673	422	417	361	381	563	562	565	557	509	477	518	474	426	492	571	530	689	948	865	1067	972	986	927	771	811	1122	1489	1846	1825	1674	1774	1757	1499	1243	966	785	894	973	1321	1478	1212	1367	1251	1061	968	824
Total 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDLS	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	0																							
BKLS	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																								

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
KRLS	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
MCLS	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
SPLS	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
SSLS	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
STLS	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
TBLS	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	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	3	4	4	3	3	4	3	5	3	4	3	2	3	3	4	3	4	3	4	3	4	3	4	3
PCUF	CUFK	2	6	2	2	4	4	3	4	3	4	4	4	3	3	4	5	3	2	3	3	3	4	3	4
Total Co-Gen		5	10	6	5	7	8	6	9	6	8	7	6	7	6	9	8	7	7	6	8	6	7	3	4
Total Gen		14646	14284	13935	13607	13363	13179	12917	12748	12690	12757	12754	12713	12808	12835	12738	12897	13638	14651	15340	15810	16175	16490	16841	16834
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		-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	30	30	31
TIE-PLTG		62	2	19	12	45	-31	19	-27	29	25	34	-8	-56	-71	-26	-39	-28	-32	-61	-42	-58	-32	17	-79
Interconnection		34	2	19	12	45	-31	19	-27	29	25	34	-8	-56	-71	-26	-39	-28	-32	-61	-42	-58	-32	17	-79
System Total		14622	14293	13927	13606	13329	13220	12908	12785	12671	12742	12730	12731	12874	12916	12774	12946	13676	14694	15412	15863	16244	16533	16835	16924
SRev ST-Coal		206	289	325	475	532	586	597	680	685	790	780	783	787	709	688	703	674	388	387	339	412	372	203	249
SRev CCGT-Gas		792	909	908	894	834	1008	1161	1154	1163	1159	923	929	890	935	992	912	671	657	499	478	503	508	400	404
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 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 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 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		389	738	1052	1153	901	901	699	699	699	699	825	825	825	825	674	638	638	613	512	512	338	525	525	525
Hydro		478	320	157	61	196	177	197	198	195	203	125	77	36	80	128	213	170	590	681	657	740	712	620	606
S.Reserve Total		1865	2256	2442	2583	2463	2672	2654	2731	2742	2851	2653	2614	2538	2549	2633	2502	2153	2273	2180	1986	2167	1930	1748	1784
		1875	1843	1832	1425	1409	1002	1088	1116	1044	1076	1333	1477	1374	1434	1456	1478	1240	1233	1503	1155	1434	1449	1498	1705