

Daily System Generation Summary on Saturday

Saturday, January 15, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,542 MW
Distillate	0 MW
Total TNB	2,542 MW
Total IPP	16,427 MW
Total Co-Gen	0 MW
Total System	22,235 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,603	5.70 %
Gas	58,558	17.03 %
Total TNB	78,161	22.74 %
ST-Coal	173,756	50.55 %
ST-Oil	5,780	1.68 %
LSS	3,437	1.00 %
Gas	81,426	23.69 %
Total IPP	264,399	76.91 %
Co-Gen	1,282	0.37 %
Total Co-Gen	1,282	0.37 %
Total Generation	343,842	100.03 %
PLTG	-632	-0.18 %
HVDC	718	0.21 %
Interconnection	86	0.03 %
Net Energy	343,756	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:	20:30:00 Hour
Total Set On Bus	17,928 MW
TNB Generation	3,701 MW
IPP Generation	12,434 MW
Spinning Reserve	1,737 MW
Maximum Demand	16,208 MW
Net Energy	343,756 MWH
Load Factor	88.37 %

Fuel Cost

Total Cost:	81,547,403.39 RM
Cost per Unit	23.71 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	261
Hydro	397
Syncon	546
Thermal	768
Total	1,972

Time	Weather	Temperature
Afternoon	Cloudy	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	55
TJGS	216
Total TNB	271

CBPS	2
KLPP	35
NPRI	152
PGLA	111
SKSP	57
Total IPP	358
Total Gas	629

Total Gas Required	684
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Alternate Fuel Usage

Station	(mmscfd)
PKLG	55
Total	55

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	14970	14202	13712	13202	12816	12605	12563	12421	12282	13394	14123	14536	14544	14300	14939	15212	15343	15292	14852	14934	16143	16084	15612	15389

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, February 3, 2022 5:17:36 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	22	22	22	22	22	22	22	22	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY01	10	9	10	9	10	9	9	10	10	9	9	10	10	9	10	9	10	9	10	10	10	9	10	10
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	9	9	10	9	10	9
CEND	HY03	8	8	8	8	8	8	8	9	8	8	8	8	8	8	8	9	9	8	8	8	9	8	8	9
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8
HTRG	HY01	-1	-1	-1	-1	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY03	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	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
KNRG	HY01	21	22	22	21	22	21	22	22	22	22	22	22	34	34	34	34	34	34	34	34	34	34	33	33
KNRG	HY02	21	22	22	21	22	22	21	22	22	21	22	22	36	36	35	36	35	35	35	35	35	35	35	35
KNRG	HY03	21	21	21	21	22	21	22	21	22	21	21	22	35	35	35	35	35	35	35	34	35	21	21	34
KNYR	HY01	56	55	56	58	96	96	56	62	59	59	57	55	60	57	54	60	57	58	58	58	59	99	99	99
KNYR	HY02	56	55	57	59	99	99	58	63	61	-1	-1	-1	-1	-1	-1	-1	101	100	100	101	100	99	101	101
KNYR	HY03	48	47	47	50	99	99	48	54	51	0	0	0	0	0	0	0	59	58	59	59	58	60	59	60
KNYR	HY04	58	96	82	60	73	59	57	103	58	99	58	70	102	58	55	87	60	75	85	100	87	75	65	71
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	20	20	20	20	20	20	21	22
LPIA	HY02	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	22	22	22	22	22	21	21	20
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	19	-1	-1	21	21	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	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	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
TMGR	HY01	28	31	33	34	84	84	33	34	33	34	32	0	0	0	0	0	0	0	0	0	35	34	33	34
TMGR	HY02	31	34	36	36	90	90	45	35	35	-1	-1	-1	-1	-1	-1	-1	33	34	33	34	34	34	34	34
TMGR	HY03	27	30	32	0	82	82	0	0	0	-1	-1	-1	-1	-1	-1	-1	33	51	46	53	63	41	76	42
TMGR	HY04	37	43	41	44	42	41	40	86	42	58	39	42	86	42	39	44	41	40	40	81	73	46	53	62
UJLI	HY01	-1	-1	-1	-1	98	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	6	6	5	6	6	6	5	6	6	6	5	6	6	6	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		538	609	582	537	1049	882	545	650	550	458	391	342	425	330	339	365	346	356	466	751	834	783	826	837
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	11	15	17	20	21	22	23	24
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	13	16	20	24	27	29	29	31
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	15	20	24	28	30	32	32	32
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	17	24	29	34	38	41	43	45	46
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	10	14	18	17	25	26	24	22	25
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	17	24	30	36	40	44	46	48	49
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	12	16	20	25	28	30	30	30
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	13	18	23	29	34	39	43	45	47	48
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	14	22	27	33	37	40	42	44	45

Daily MW Generation on Saturday

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	28	28	29	29	28	27	29	27	28	28	28	28	29	28	28	28	28	28	28	28	28	30	29	29
PCUF	CUFK	25	25	25	27	27	25	26	24	25	24	25	26	25	24	27	27	24	25	25	25	24	24	24	26
Total Co-Gen		53	53	54	56	55	52	55	51	53	52	53	54	54	53	54	52	56	57	52	53	53	54	52	52
Total Gen		14993	14454	14163	13987	13705	13521	13172	12927	12828	12742	12647	12541	12539	12583	12479	12295	12288	12922	13353	13812	14036	14290	14488	14597
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		29	30	30	32	31	29	29	29	31	30	30	31	29	31	29	30	30	30	29	29	29	31	31	30
TIE-PLTG		-7	-129	-69	-37	-39	12	-60	-33	-19	-36	12	-72	-56	-11	29	-63	-25	-10	-70	-54	-116	-35	-77	-96
Interconnection		23	-99	-39	-5	-7	42	-30	-4	12	-6	42	-42	-24	18	58	-33	6	20	-41	-23	-87	-3	-48	-66
System Total		14970	14553	14202	13992	13712	13479	13202	12931	12816	12748	12605	12583	12563	12565	12421	12328	12282	12902	13394	13835	14123	14293	14536	14663
SRev ST-Coal		943	939	936	944	941	937	941	944	941	940	943	989	990	992	990	989	985	987	969	935	940	929	877	791
SRev CCGT-Gas		445	299	198	169	153	164	197	138	160	142	206	308	271	173	227	245	269	180	161	147	289	330	289	285
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-Oil		1	1	1	1	1	1	1	1	1	1	1	37	35	36	35	36	35	35	36	39	6	1	1	4
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		651	500	651	651	187	500	651	651	651	928	928	928	928	928	777	928	928	928	741	464	464	464	313	464
Hydro		499	579	455	413	452	330	429	324	424	226	293	207	124	219	361	184	228	218	295	387	391	442	590	428
S.Reserve Total		2539	2318	2241	2178	1734	1932	2219	2058	2177	2237	2371	2469	2348	2348	2390	2382	2445	2348	2202	1972	2090	2166	2070	1972