

Daily System Generation Summary on Thursday

Thursday, August 20, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,472 MW
Distillate	0 MW
Total TNB	2,472 MW
Total IPP	17,772 MW
Total Co-Gen	0 MW
Total System	23,067 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,288	5.06 %
Gas	29,261	8.57 %
Total TNB	46,549	13.64 %
ST-Coal	250,383	73.35 %
LSS	2,576	0.75 %
Gas	43,017	12.60 %
Total IPP	295,976	86.71 %
Co-Gen	152	0.04 %
Total Co-Gen	152	0.04 %
Total Generation	342,677	100.39 %
PLTG	560	0.16 %
HVDC	776	0.23 %
Interconnection	1,336	0.39 %
Net Energy	341,341	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	17,774 MW
TNB Generation	3,233 MW
IPP Generation	13,057 MW
Spinning Reserve	1,475 MW
Maximum Demand	16,322 MW
Net Energy	341,341 MWH
Load Factor	87.14 %

Fuel Cost

Total Cost:	46,573,417.18 RM
Cost per Unit	13.59 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	509
Hydro	343
Syncon	694
Thermal	352
Total	1,898

Time Weather Temperature

Afternoon	Rainy	32
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	115
Total TNB	143
CBPS	44
NPRI	134
PGLA	53
Total IPP	231
Total Gas	374
Total Gas Required	374

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	14435	13849	13360	13032	12644	12548	12471	12309	12050	12986	13806	14262	14397	14278	14827	15139	15332	15270	14875	14896	16279	16310	15900	15658

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 4, 2020 10:33:30 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37
KNRG	HY03	38	25	25	25	26	25	26	26	26	38	38	38	38	38	37	37	37	37	37	37	36	36	36	36
KNYR	HY01	98	98	94	96	94	0	0	99	60	58	58	58	59	101	101	102	99	101	99	99	101	101	101	101
KNYR	HY02	99	99	95	97	95	0	0	0	0	59	58	60	59	60	57	101	100	100	100	96	54	59	100	101
KNYR	HY03	99	99	95	97	95	0	0	0	101	101	101	100	99	100	100	0	0	0	98	98	100	101	98	98
KNYR	HY04	100	100	95	98	95	0	0	0	0	-1	-1	-1	-1	-1	-1	99	98	97	101	101	99	99	101	
LPIA	HY01	18	18	17	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	15	15	15	15	15	15
LPIA	HY02	18	18	18	17	17	17	17	17	17	17	17	17	17	17	16	15	15	15	15	15	15	15	15	15
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	5	5	5	5	5
PGAU	HY01	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	19	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	21	21	21	21
PGAU	HY03	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	20	-1
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	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30
SIHY	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
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17
SYPS	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
SYPS	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
TMGR	HY01	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	39	42	84
TMGR	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
TMGR	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
TMGR	HY04	28	31	28	30	24	33	33	33	33	33	33	33	33	33	33	32	33	33	33	33	32	33	33	33
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	93	88	92
UJLI	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
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		602	568	546	536	521	172	151	151	250	348	309	384	364	367	365	279	274	484	624	646	627	627	640	625
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	0	0	0	0	0	0	0	0	0	0	0
BSLS	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
CHLS	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
GBLS	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
GELS	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
GNLS	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
JSLs	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
KKLS	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
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	2	4	3	3	3	3	4	4	2	3	2	3	4	4	3	4	4	2	3	5	3	4	3	3
PCUF	CUFK	1	5	3	3	3	1	3	4	3	1	3	2	1	3	2	1	5	4	1	2	4	3	5	3
Total Co-Gen		3	9	6	6	6	4	6	8	7	3	6	4	4	7	6	4	9	8	3	5	9	6	9	8
Total Gen		14537	14172	13884	13671	13455	13184	13072	12798	12653	12638	12572	12531	12492	12553	12352	12160	12078	12675	13052	13414	13852	14070	14379	14477
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		31	30	30	30	30	30	31	31	31	31	31	30	30	29	29	30	30	30	30	30	30	30	30	30

Daily MW Generation on Thursday

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	
TIE-PLTG		79	6	12	38	71	22	17	-6	-15	44	0	38	-3	24	20	28	5	34	43	34	23	3	94	-10	53	21	3	51	-9	-6	5	44	38	-7	67	45	55	60	11	3	16	-26	9	37	66	-52	62	-27
Interconnection		109	37	42	68	102	52	47	24	16	75	31	68	28	54	50	57	35	64	73	65	53	32	124	21	84	51	33	80	21	24	35	74	69	23	97	75	85	91	41	35	45	2	38	68	200	-22	92	3
System Total		14435	14142	13849	13610	13360	13139	13032	12781	12644	12570	12548	12470	12471	12506	12309	12110	12050	12618	12986	13356	13806	14045	14262	14463	14397	14299	14278	14613	14827	15167	15139	15284	15332	15366	15270	15024	14875	14713	14896	15802	16279	16322	16310	16106	15900	15926	15658	15515
SRev ST-Coal		188	324	392	402	412	407	402	644	646	651	645	648	785	774	748	771	774	773	759	732	572	484	447	413	387	379	385	369	379	270	274	245	251	263	265	283	267	247	266	177	183	180	187	209	188	198	209	189
SRev CCGT-Gas		926	1124	1064	1224	1416	1194	1308	1103	1286	1368	1388	1496	1323	1278	1453	1260	1355	1085	1065	994	768	694	815	828	953	941	1045	778	667	432	226	236	168	121	222	213	288	624	736	476	437	356	320	232	151	64	199	154
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	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	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	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	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		766	702	702	853	853	702	853	853	1040	1141	1141	990	1141	1141	1141	1141	889	1040	889	1040	1040	889	1040	889	1040	1040	889	1040	1040	941	941	452	452	452	326	790	1041	1041	1041	615	187	187	187	676	374	374	374	676
Hydro		149	247	269	128	143	243	113	113	113	114	153	329	198	195	197	183	188	230	139	268	136	136	274	138	142	307	409	112	132	216	214	557	544	523	520	272	66	176	148	279	551	761	763	189	328	487	494	490
S.Reserve Total		2029	2397	2427	2607	2824	2546	2676	2713	3085	3274	3327	3463	3447	3388	3539	3355	3458	2977	3003	2883	2516	2354	2425	2419	2522	2667	2728	2299	2218	1859	1655	1490	1415	1359	1333	1558	1662	2088	2191	1547	1358	1484	1457	1306	1041	1123	1276	1509