

Daily System Generation Summary on Saturday

Saturday, November 28, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	16,048 MW
Total Co-Gen	0 MW
Total System	21,393 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,161	5.52 %
Gas	35,284	10.71 %
Total TNB	53,445	16.23 %
ST-Coal	227,735	69.16 %
LSS	1,878	0.57 %
Gas	46,588	14.15 %
Total IPP	276,201	83.88 %
Co-Gen	129	0.04 %
Total Co-Gen	129	0.04 %
Total Generation	329,775	100.14 %
PLTG	-243	-0.07 %
HVDC	719	0.22 %
Interconnection	476	0.14 %
Net Energy	329,299	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:	19:30:00 Hour
Total Set On Bus	16,540 MW
TNB Generation	3,518 MW
IPP Generation	11,777 MW
Spinning Reserve	1,239 MW
Maximum Demand	15,276 MW
Net Energy	329,299 MWH
Load Factor	89.82 %

Fuel Cost

Total Cost:	39,000,867.67 RM
Cost per Unit	11.83 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	148
Hydro	422
Syncon	714
Thermal	332
Total	1,616

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	50
SRDG	8
TJGS	196
Total TNB	255
CBPS	49
NPRI	152
YPKA	2
Total IPP	203
Total Gas	458
Total Gas Required	458

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	14036	13420	12991	12679	12388	12249	12320	12309	11982	13123	13934	14342	14291	14157	14445	14557	14531	14269	14045	14847	15240	14879	14457	14045

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, December 1, 2020 9:58:23 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

		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	HY01		36	25	25	25	36	36	36	36	36	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25

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	
PCUF	CUFK	8	8	6	4	5	6	5	4	4	6	6	6	6	7	5	4	3	4	3	3	5	1	3	3	3	2	3	2	1	2	2	3	1	3	3	3	3	4	3	3	3	1	4	3	4	3	6	4
Total Co-Gen		5	7	3	1	3	4	3	2	2	3	4	2	4	7	4	7	7	8	5	6	9	4	6	6	8	5	6	4	5	5	7	7	5	6	6	5	7	8	6	6	5	4	8	6	8	6	10	2
Total Gen		14096	13693	13462	13139	12963	12749	12682	12516	12454	12325	12214	12304	12313	12346	12303	11939	11945	12625	13114	13500	13923	14232	14331	14519	14288	14235	14171	14283	14479	14600	14555	14475	14524	14475	14342	14137	14052	14214	14893	15301	15283	15149	14907	14715	14428	14253	14056	13789
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	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	30	30	30	30	29	29	31	31	30	30	30	30	30	30	30	29	29	30	30	31	31	30	30	29	29	29	29	31	31	31	31	31	31	31	31	29	29	31	29	30	30	29	29	31	
TIE-PLTG		38	27	21	27	-49	-38	-19	-14	45	45	-58	-9	-30	-21	-29	9	-60	-38	-31	-29	-32	-17	-32	-72	-27	-32	-9	0	13	-26	-24	-36	-29	31	50	36	-16	-25	23	5	21	-2	6	-26	-51	13	-9	-4
Interconnection		68	57	50	57	-20	-8	11	16	74	75	-27	21	0	9	1	39	-30	-9	-2	0	-3	13	-3	-41	4	-2	21	30	42	4	6	-5	1	61	81	67	15	5	54	33	50	29	35	4	-21	42	19	26
System Total		14036	13644	13420	13090	12991	12765	12679	12508	12388	12258	12249	12291	12320	12344	12309	11907	11982	12641	13123	13507	13934	14227	14342	14568	14291	14244	14157	14260	14445	14604	14557	14488	14531	14422	14269	14078	14045	14217	14847	15276	15240	15127	14879	14718	14457	14219	14045	13771
SRev ST-Coal		240	314	541	473	565	637	686	817	847	776	786	754	641	555	542	544	556	555	451	385	389	388	386	396	383	389	382	398	396	307	311	315	307	325	317	317	305	310	210	211	196	218	195	254	196	227	224	281
SRev CCGT-Gas		684	974	909	911	839	801	801	814	844	831	792	780	777	799	813	988	1089	780	460	210	148	126	135	125	125	132	129	134	127	129	126	126	120	123	119	121	98	111	112	112	124	125	124	107	106	141	159	140
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	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	-1	86	-4	-8	-8	-8	57	0	0	0
SRev Co-Gen		6	2	6	6	4	4	4	4	4	6	4	8	4	0	2	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	4
Syncon		1243	1243	1243	1243	1092	1243	1243	1243	1243	1243	1092	1243	1142	1142	1179	1330	1042	1042	1103	1002	764	915	851	815	815	941	941	815	477	389	389	389	389	576	763	763	763	338	151	151	428	529	716	817	817	754	754	
Hydro		167	212	175	176	210	109	120	148	153	141	144	191	150	77	132	298	70	204	228	206	184	477	305	212	397	473	424	283	190	454	458	493	415	469	396	400	414	615	862	679	790	627	796	518	513	551	401	436
S.Reserve Total		2340	2745	2874	2809	2710	2794	2854	3026	3091	2997	2969	2825	2815	2573	2631	3009	3045	2581	2181	1904	1723	1755	1741	1584	1720	1809	1876	1756	1528	1367	1284	1323	1231	1306	1408	1601	1580	1799	1521	1239	1257	1390	1636	1587	1689	1736	1538	1615