

Daily System Generation Summary on Sunday

Sunday, October 9, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,340 MW
Distillate	0 MW
Total TNB	2,340 MW
Total IPP	17,574 MW
Total Co-Gen	0 MW
Total System	23,271 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,252	6.23 %
Gas	37,783	12.22 %
Total TNB	57,035	18.45 %
ST-Coal	185,199	59.92 %
LSS	4,340	1.40 %
Gas	62,218	20.13 %
Total IPP	251,757	81.45 %
Co-Gen	761	0.25 %
Total Co-Gen	761	0.25 %
Total Generation	309,553	100.15 %
PLTG	460	0.15 %
Interconnection	460	0.15 %
Net Energy	309,093	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:	19:30:00 Hour
Total Set On Bus	16,156 MW
TNB Generation	3,470 MW
IPP Generation	11,312 MW
Spinning Reserve	1,343 MW
Maximum Demand	14,782 MW
Net Energy	309,093 MWH
Load Factor	87.13 %

Fuel Cost

Total Cost:	103,825,080.82 RM
Cost per Unit	33.54 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	875
Hydro	392
Syncon	471
Thermal	709
Total	2,447

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	46
Total TNB	95
CBPS	38
EMPP	176
NPRI	74
PCGP	84
PLPS	37
SPGP	162
Total IPP	570
Total Gas	666
Total Gas Required	666

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	14208	13713	13079	12713	12336	12022	11983	11652	11227	11596	11982	12270	12216	12285	12414	12701	12824	12887	13008	13913	14721	14608	14336	14034

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 2:56:03 PM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

[illegible]

Daily MW Generation on Sunday

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					
KNYR	HY03	99	100	100	100	99	98	98	98	97	98	98	98	99	100	99	99	99	98	98	98	98	98	98	99	99	100	101	101	
KNYR	HY04	100	101	101	101	101	101	101	100	100	100	100	100	100	100	100	100	100	101	101	101	101	101	100	100	100	100	101	100	
LPJA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	19	18	18	14	11	12	15	15	16	16	17	18	18	18	17	19	
LPJA	HY02	21	21	21	21	21	21	21	21	21	21	21	21	20	17	20	20	20	19	19	18	18	15	10	10	13	15	15	15	
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	
PGAU	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	83	82	22	21	
PGAU	HY02	21	21	21	21	21	21	21	22	22	22	22	22	21	20	20	20	20	20	20	20	20	20	20	20	84	83	23	21	
SIHY	HY01	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	
SIHY	HY02	30	30	30	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	
SIHY	HY03	30	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	17	17	17	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	
SYPS	HY03	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	
SYPS	HY04	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	-1	-1	-1	-1	79	79	79	80	
TMGR	HY02	45	85	85	86	47	86	86	45	48	47	48	44	44	45	41	47	42	85	56	45	47	48	45	46	87	47	59	65	
TMGR	HY03	32	32	33	79	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	33	33	33	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	-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	-1	-1	-1	-1	
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	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	5	5	5	5	
Total Hydro		982	1025	1026	1005	806	845	770	772	729	733	732	733	734	730	724	561	556	563	720	699	666	653	656	639	627	635	685	584	597
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	
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	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	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	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	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	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	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	0	0	0	0	
JELS	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	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	0	0	0	0	
KDLS	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	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	0	0	0	0	
KMLS	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	0	0	0	
KNLS	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	0	0	0	
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	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	0	0	0	0	
MNLS	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	0	0	0	
PKLS	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	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	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	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	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	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	0	0	0	0	
ESTL	ESTL	5	4	4	5	6	2	6	6	4	5	5	5	6	5	5	3	6	6	6	9	10	7	10	10	11	11	11	10	
KHTC	BLK1	1	0	4	0	4	0	1	2	1	3	3	2	2	2	2	3	2	2	3	2	2	4	2	3	1	5	2	0	

Daily MW Generation on Sunday

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	CUFG	15	15	14	14	15	15	15	14	15	14	14	14	15	14	14	15	14	16	16	14	16	16	13	15	13	13	15	14	16	15	16	16	14	16	16	15	15	16	17	15	15	15	16	16					
PCUF	CUFK	8	5	4	5	3	3	4	6	5	5	4	4	4	3	5	5	4	3	5	7	6	5	5	4	6	4	4	3	5	5	4	6	4	5	6	6	4	3	29	25	27	27	27	26	26				
Total Co-Gen		29	24	26	24	28	20	26	28	25	27	26	25	26	24	25	25	28	26	26	31	35	31	33	33	34	31	36	29	27	25	22	27	29	26	28	24	30	31	32	31	31	59	50	49	57	54	53	56	
Total Gen		14222	13864	13666	13382	13111	12944	12718	12570	12370	12305	12057	12016	12040	12047	11722	11592	11295	11440	11626	11787	11935	12170	12274	12245	12205	12153	12265	12370	12433	12672	12720	12790	12793	12889	12902	12962	13033	13157	13991	14813	14778	14802	14663	14531	14370	14342	14029	13919	
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			
TIE-HVDC		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-PLTG		14	-35	-47	6	32	59	5	-5	34	36	35	50	57	83	70	40	68	23	30	-6	-47	-32	4	5	-11	-16	-20	50	19	6	19	38	-31	-9	15	31	25	0	78	31	57	32	55	26	34	27	-5	-9	
Interconnection		14	-35	-47	6	32	59	5	-5	34	36	35	50	57	83	70	40	68	23	30	-6	-47	-32	4	5	-11	-16	-20	50	19	6	19	38	-31	-9	15	31	25	0	78	31	57	32	55	26	34	27	-5	-9	
System Total		14208	13899	13713	13376	13079	12885	12713	12575	12336	12269	12022	11966	11983	11964	11652	11552	11227	11417	11596	11793	11982	12202	12270	12240	12216	12169	12285	12320	12414	12666	12701	12752	12824	12898	12887	12931	13008	13157	13913	14782	14721	14770	14608	14505	14336	14315	14034	13928	
SRev ST-Coal		640	666	652	665	671	794	796	786	773	856	858	849	847	856	854	856	853	906	870	856	873	832	840	859	842	853	865	861	863	851	859	869	855	866	861	857	794	789	717	631	578	447	306	308	300	335	433	576	
SRev CCGT-Gas		341	169	140	209	254	193	189	179	309	304	304	265	312	299	613	596	1248	1164	1249	1164	1027	857	774	908	1044	1104	1086	798	692	425	343	194	221	133	488	493	444	380	342	225	843	1149	1324	1460	1637	1549	1693	1226	
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	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	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	0
Syncon		462	462	462	462	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	462	550	550	550	550	374	0	187	187	374	374	374	187	187	275		
Hydro		600	557	556	402	426	387	364	362	405	401	402	401	400	404	410	573	578	571	414	355	388	401	398	401	413	412	362	338	325	319	347	343	305	314	305	346	341	305	346	487	395	515	463	463	470	449	479	492	
S.Reserve Total		2043	1854	1810	1738	1901	1924	1899	1877	2037	2111	2114	2065	2109	2109	2427	2575	3229	3191	3083	2925	2838	2640	2562	2718	2849	2919	2863	2547	2430	2145	2099	1956	1931	1775	2204	2246	2129	2024	1779	1343	2003	2298	2474	2605	2781	2520	2792	2569	