

Daily System Generation Summary on Monday

Monday, December 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	16,337 MW
Total Co-Gen	0 MW
Total System	21,682 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,047	5.14 %
Gas	36,581	10.42 %
Total TNB	54,628	15.57 %
ST-Coal	216,190	61.61 %
LSS	3,386	0.96 %
Gas	77,069	21.96 %
Total IPP	296,645	84.53 %
Co-Gen	162	0.05 %
Total Co-Gen	162	0.05 %
Total Generation	351,435	100.14 %
PLTG	-211	-0.06 %
HVDC	719	0.20 %
Interconnection	508	0.14 %
Net Energy	350,927	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:	16:00:00 Hour
Total Set On Bus	17,867 MW
TNB Generation	3,097 MW
IPP Generation	13,635 MW
Spinning Reserve	1,127 MW
Maximum Demand	16,708 MW
Net Energy	350,927 MWH
Load Factor	87.51 %

Fuel Cost

Total Cost:	42,597,254.28 RM
Cost per Unit	12.11 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	300
Hydro	455
Syncon	446
Thermal	155
Total	1,356

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	210

Total TNB 260

CBPS	51
KLPP	75
NPRI	159
PGLA	91
PLPS	63

Total IPP 439

Total Gas 700

Total Gas Required 700

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	13813	13140	12758	12408	11987	11853	12027	12229	12891	14741	15562	16118	16013	15839	16335	16693	16708	16312	15351	15420	16146	15901	15355	15052

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, January 5, 2021 10:26:24 AM Head
Grid System Operator

(Ir. Shanmugam Thoppalan)

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																									
JMAH	U001	692	691	691	693	692	692	692	691	545	550	550	550	551	551	601	601	627	688	695	692	693	695	693	693	689	694	692	691	692	692	692	692	692	694	691	690	694	694	692										
JMHE	U001	931	929	851	853	800	801	800	800	800	799	801	803	803	796	802	801	928	975	982	980	977	979	978	975	980	980	980	977	986	978	986	976	982	983	981	978	977	982	980	980	982	974	982	975	982	979	980		
JMJG	U001	670	671	672	679	672	670	671	607	543	546	546	548	546	547	568	607	677	667	670	672	672	671	671	672	672	672	670	671	668	671	676	673	672	671	672	671	670	672	670	673	671	672	672	671	667	668	671		
JMJG	U002	666	667	668	673	669	670	667	673	602	540	547	553	547	548	548	568	601	665	673	678	662	665	673	661	667	662	673	666	673	668	667	671	672	667	649	634	626	632	630	628	625	623	629	630	629	633	623	630	
JMJG	U004	927	894	852	794	737	712	710	712	711	711	712	714	713	713	713	714	712	765	823	881	938	979	978	977	981	980	980	978	977	980	980	983	980	983	977	977	979	980	979	979	978	978	978	978	981	980	980		
JMJG	U005	799	801	799	733	726	733	729	729	728	725	728	733	730	725	728	733	729	804	798	799	799	800	803	796	800	801	795	801	799	799	800	800	798	801	803	800	800	795	806	797	801	799	797	796	798	798	801	800	
PKLG	U003	279	279	280	280	280	282	281	279	278	278	280	281	279	282	281	281	281	279	279	279	280	280	277	278	278	279	276	276	277	277	279	278	278	278	278	278	279	279	278	279	278	281	279	280	280	279			
PKLG	U004	277	278	274	277	267	279	278	276	278	278	279	275	276	276	282	272	273	277	275	279	281	278	280	278	276	278	278	276	278	279	279	282	279	277	278	280	278	282	277	277	279	274	274	277	277	279			
PKLG	U005	465	466	468	468	469	470	468	464	468	469	467	467	462	466	467	466	470	468	468	465	469	470	467	466	466	468	468	467	466	465	469	467	466	469	467	466	469	467	466	467	466	463	462	465	467	468	468		
PKLG	U006	449	449	449	448	447	451	445	447	447	448	451	450	446	447	451	449	449	450	449	447	446	449	446	449	449	447	451	451	448	447	447	448	448	448	445	449	449	445	449	449	446	449	450	447	449	450	447		
TBIN	U001	690	689	690	688	688	691	687	690	689	690	691	688	689	689	689	689	688	689	690	690	691	687	688	688	687	690	685	686	686	687	690	687	690	688	687	690	684	687	689	689	689	687	688	688	688	690	689	688	
TBIN	U002	694	687	690	694	691	513	594	700	694	692	692	693	696	692	690	695	691	691	692	691	690	692	691	690	692	694	692	691	689	689	693	687	692	692	690	691	689	690	690	692	691	691	693	691	693	692	691	692	
TBIN	U003	690	689	697	693	690	693	693	691	690	693	693	692	691	690	691	692	692	689	693	693	689	691	694	693	692	690	692	693	693	691	688	693	692	690	690	690	692	692	691	695	697	691	691	694	694	691	694		
TBIN	U004	933	934	857	855	802	803	804	803	803	802	803	801	804	803	801	803	801	880	969	983	982	982	982	982	982	982	982	982	981	981	983	983	983	981	983	981	982	982	983	982	983	983	982	983	983	983	983		
Total ST-Coal		9162	9124	8938	8828	8630	8460	8518	8626	8340	8219	8236	8243	8237	8228	8286	8333	8422	8952	9148	9229	9271	9316	9325	9302	9305	9311	9317	9313	9309	9308	9309	9328	9322	9322	9299	9276	9268	9267	9284	9281	9278	9271	9269	9269	9263	9287	9274	9283	
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 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			
CBPS	BLK2	363	356	357	356	362	364	365	253	224	224	224	225	224	224	217	217	241	323	364	363	364	360	365	361	358	360	360	360	360	362	362	364	362	367	361	361	362	364	362	358	353	352	360	358	365	355	350	356	354
GLGR	GT01	101	99	99	67	68	69	67	67	69	69	67	68	67	69	68	67	68	97	90	86	85	86	84	83	83	67	68	68	77	85	96	85	85	85	86	67	66	67	67	100	99	101	99	101	100	96	68	68	
GLGR	GT02	100	100	101	67	68	68	68	68	67	67	67	68	67	67	67	66	95	89	85	84	84	85	85	85	67	67	67	78	84	97	86	86	86	85	67	67	67	68	100	100	100	100	101	96	67	66			
GLGR	ST1C	91	91	91	78	72	72	72	72	72	72	72	72	72	72	72	72	90	85	83	83	82	82	82	82	67	72	72	74	84	83	86	84	84	83	83	74	72	72	72	87	91	91	91	91	90	73	72		
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	94	132	133	138	109	110	139	139	135	140	137	133	134	134	134	134	129	130	107	134	136	132	132	132	131	131	125	110
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	93	150	151	153	153	153	154	112	112	152	155	156	157	158	160	157	157	157	157	155	152	157	157	157	158	158	158	159	142	114		
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	29	35	59	70	161	161	158	157	159	162	160	160	159	164	125	125	125	161	162	164	165	161	160	160	160	160	159	159	159	166	166	160	160	161	161	164	148	130	
KLPP	ST17	0	0	0	0	0	0	0	0	0	0	12	8	23	28	67	65	63	105	127	127	186	198	198	200	181	180	183	183	205	205	205	199	199	199	199	203	202	202	200	200	203	203	202	202	202	202	199	184	
NPRI	BLK1	516	502	505	507	512	521	514	511	515	517	513	514	515	517	505	508	517	515	515	516	517	516	518	514	514	518	518	520	518	521	518	522	523	518	515	515	515	514	514	510	509	509	507	515	505	504	503	506	
NPRI	BLK2	514	499	502	506	509	518	510	508	511	514	511	514	511	514	502	508	515	512	513	513	511	509	512	507	508	511	512	514	511	517	512	515	515	515	512	512	512	510	513	507	505	507	504	512	502	500	502	505	
PCGP	PGRG	603	585	588	593	600	613	601	597	603	604	602	604	601	606	589	596	606	602	604	606	599	599	603	595	596	602	606	601	607	603	608	609	608	608	601	608	602	599	601	595	592	594	592	602	586	587	589	590	
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	110	142	225	225	198	208	193	212	202	182	213	212	206	215	215	215	215	215	211	208	216	184	197	182	213	214	213	215	210	208	210	168
PGLA	GT12	227	216	219	209	230	161	157	156	157	158	158	163	163	164	201	221	187	235	232	201	209	198	217	206	186	218	217	211	217	220	218	220	220	220	215	213	219	188	201	185	217	218	217	220	213	213	212	172	
PGLA	ST10	112	110	110	112	115	89	89	90	90	90	90	92	92	92	95	99	111	248	252	241	239	222	235	230	231	236	236	230	239	242	242	242	242	241	237	235	237	217	234	222	236	236	238	238	233	234	233	215	

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	
CEND	HY02	9	9	9	9	9	9	9	9	9	10	10	9	9	10	10	9	9	9	9	9	9	9	9	9	9
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	7	7	7	7	7	7	7	7	8	8	7	8	7	8	8	8	8	8	7	7	7	7	7	7	7
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	63	63	125	125	58	0	0
HTRG	HY02	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	63	63	63	63	64	63	63	-1
KNRG	HY01	35	35	24	24	24	24	0	0	0	0	0	0	0	17	35	35	35	35	35	35	35	35	35	35	35
KNRG	HY02	36	36	24	24	24	25	25	24	25	24	23	24	23	23	37	37	36	36	36	36	36	36	36	36	36
KNRG	HY03	34	34	24	24	24	25	25	24	25	24	23	24	23	23	35	35	35	34	34	34	34	34	34	34	34
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	99	60	60	
KNYR	HY02	65	58	58	58	61	79	58	57	59	78	59	65	59	85	59	61	77	59	81	69	60	60	61	59	59
KNYR	HY03	100	51	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	58	101	100	102	102	98	100	0
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	101	101	103	102	98	61	
LPIA	HY01	22	22	22	22	22	22	22	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22	22	22	22
LPIA	HY02	22	22	22	22	22	22	22	21	21	21	21	21	21	20	20	20	20	22	22	22	22	22	22	22	22
MNOR	HY01	7	7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	7	7	7	4	5
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-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	21	21	0	0
SIHY	HY01	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	50	50
SIHY	HY02	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	0
SIHY	HY03	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	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	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	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	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	-1	-1	-1	-1	-1	-1
TMGR	HY02	48	43	44	45	45	65	45	45	45	66	44	55	46	70	43	44	62	44	61	88	75	90	90	60	53
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	0
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	86	86	86	86	86	86	86
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	96	-1	-1	-1	92	91	-1	-1	-1	-1
UJLI	HY02	94	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	94	97	93	-1	-1	-1	97
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		700	561	370	280	284	324	248	245	247	285	244	262	244	316	242	245	317	374	452	600	807	822	863	920	809
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	12	21	22	18	14	9	12	27	28
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	16	20	24	27	29	30	30	30	30
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	12	17	24	20	22	30	30	30	30	30
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	17	25	31	35	39	40	43	45	27	45
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	12	17	28	23	36	39	40	49	40	47
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	8	14	8	18	26	28	28	28	29	28
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	19	25	31	36	41	44	45	46	44	45
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	18	23	28	29	41	46	44	40	35
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	17	23	20	23	41	36	41	42	42	43
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	9	7	11	7	21	30	16	30	30	7
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	12	22	27	30	40	43	45	41	37	32	46
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	11	24	33	38	35	52	51	51	33	51

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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