

Daily System Generation Summary on Friday

Friday, December 25, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,517 MW
Distillate	0 MW
Total TNB	2,517 MW
Total IPP	16,852 MW
Total Co-Gen	0 MW
Total System	22,192 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,797	3.34 %
Gas	36,317	11.24 %
Total TNB	47,114	14.58 %
ST-Coal	204,251	63.22 %
LSS	2,978	0.92 %
Gas	69,790	21.60 %
Total IPP	277,019	85.75 %
Co-Gen	176	0.05 %
Total Co-Gen	176	0.05 %
Total Generation	324,309	100.39 %
PLTG	525	0.16 %
HVDC	724	0.22 %
Interconnection	1,249	0.39 %
Net Energy	323,060	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:	20:00:00 Hour
Total Set On Bus	16,504 MW
TNB Generation	3,144 MW
IPP Generation	12,145 MW
Spinning Reserve	1,207 MW
Maximum Demand	15,271 MW
Net Energy	323,060 MWH
Load Factor	88.15 %

Fuel Cost

Total Cost:	39,676,470.25 RM
Cost per Unit	12.22 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	406
Hydro	226
Syncon	923
Thermal	285
Total	1,840

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	209
Total TNB	258
CBPS	54
NPRI	159
PGLA	110
PLPS	11
SGB3	5
YPKA	36
Total IPP	375
Total Gas	633

Total Gas Required 633

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	14557	13820	13335	12895	12658	12361	12371	12226	11530	12141	12740	13107	13208	13161	13532	13868	14001	13980	13771	14055	15271	15055	14640	14562

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, January 5, 2021 10:25:14 AM Head
Grid System Operator

(Ir. Shanmugam Thoppalan)

Daily MW Generation on Friday

		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		693	691	694	691	693	693	691	688	693	693	692	693	693	693	601	635	693	693	691	692	694	693	692	693	692	693	692	693	692	694	693	694	689	692	692	694	692	692							
JMAH	U002		702	523	326	232	211	212	138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
JMHE	U001		982	929	780	778	780	781	781	778	782	781	781	779	777	781	780	773	778	781	780	781	852	851	850	850	849	849	849	849	850	882	879	881	889	881	879	881	882	877	884	960	962				
JMJG	U001		412	414	414	414	416	415	414	414	415	414	416	416	411	420	414	523	528	528	522	530	528	520	528	541	622	671	671	666	668	667	648	665	666	661	666	666	667	671	666	667	666	666			
JMJG	U002		671	677	666	669	673	672	669	676	673	673	671	673	672	678	672	668	594	600	597	599	672	662	679	669	673	671	671	669	666	673	672	669	671	668	665	672	668	668	666	667	668	667			
JMJG	U004		952	928	871	810	787	788	789	789	789	790	791	791	790	788	791	788	791	791	789	788	790	839	856	669	544	608	664	721	782	839	878	881	878	881	881	880	879	938	961	960	959	960	964	961	
JMJG	U005		54	19	38	46	59	144	152	147	151	150	148	143	163	163	165	163	178	191	266	322	396	499	540	538	657	719	718	715	718	718	729	731	725	725	725	725	725	718	723	725	719	726	793	796	
PKLG	U003		279	280	278	280	280	282	281	281	280	279	282	280	281	281	282	281	281	281	280	281	280	280	281	278	278	279	278	277	275	276	280	281	281	279	279	279	280	281	280	280	280	280	281	282	
PKLG	U004		286	283	276	278	276	282	277	279	276	275	277	276	275	277	275	277	265	278	277	276	276	277	287	280	274	275	274	274	268	272	276	278	278	276	276	276	277	275	277	277	275	277	279	277	
PKLG	U005		467	468	464	469	467	459	467	466	468	466	467	467	467	467	466	468	464	467	469	468	467	468	461	470	468	470	464	466	466	467	466	467	466	465	466	467	466	467	467	465	467	467	460		
PKLG	U006		449	447	448	450	449	448	449	450	447	445	449	447	448	450	449	448	452	447	447	447	447	443	447	447	449	451	448	446	446	449	449	451	448	446	448	447	449	447	448	448	447	448	449		
TBIN	U001		687	682	690	689	684	688	692	689	687	687	690	692	687	686	690	689	689	686	691	686	689	686	689	689	689	687	691	693	689	689	689	690	688	689	688	688	687	688	690	689	687	689	690	687	
TBIN	U002		691	691	692	695	693	692	699	696	688	695	693	693	694	693	693	696	691	694	693	692	694	692	693	692	692	694	692	693	692	692	694	693	692	694	690	693	695	689	694	692	692	693	691		
TBIN	U003		692	693	693	694	690	691	693	692	694	692	691	692	690	693	690	692	694	694	689	691	691	697	692	693	693	690	692	690	692	690	693	690	693	692	694	691	691	691	690	692	689	695			
TBIN	U004		983	944	857	783	783	782	784	781	783	783	783	783	782	782	782	781	781	781	781	781	781	781	781	781	781	781	781	852	854	853	883	883	882	882	882	882	884	884	884	882	963	963			
Total ST-Coal			9000	8669	8187	7978	7941	8029	7976	7826	7826	7825	7831	7825	7831	7848	7843	7947	7786	7850	7979	8034	8185	8391	8481	8284	8362	8534	8594	8709	8767	8823	8926	8945	8948	8929	8935	8934	8940	8925	8942	8947	9145	9188	9235		
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	
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
CBPS	BLK2		362	363	364	365	368	364	365	362	362	364	362	367	366	358	338	217	223	238	365	357	361	364	363	362	362	362	362	362	362	362	361	362	360	364	357	365	363	365	357	365	354	356	352	359	
GLGR	GT01		68	69	68	67	69	69	68	68	69	68	69	68	68	70	69	68	68	67	69	68	68	68	67	68	67	67	67	67	67	67	67	68	68	99	104	104	105	81	68	67	69	105	104	104	105
GLGR	GT02		68	67	68	67	68	68	67	68	67	68	68	68	67	68	68	68	68	68	68	68	68	67	68	67	68	67	67	67	67	67	68	100	104	103	104	80	67	68	69	105	105	104	104		
GLGR	ST1C		72	72	72	72	72	72	72	72	72	72	72	72	72	71	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	73	72	72	72	72	72	72	72	72	72	72	72	72	72	
NPRI	BLK1		516	520	518	515	523	518	523	520	519	514	514	515	516	518	530	511	500	514	514	515	515	515	515	515	515	515	514	517	515	515	515	515	515	515	515	515	515	515	518	508	509	500	514		
NPRI	BLK2		520	521	521	518	524	521	525	522	521	517	518	518	518	521	533	515	503	515	518	521	517	517	517	518	517	518	516	517	517	518	518	517	524	516	469	517	522	515	521	510	511	503	517		
PCGP	PGRG		607	611	607	604	611	604	610	608	608	604	602	607	602	607	613	596	588	601	604	602	604	602	603	603	602	603	601	602	604	603	606	604	602	620	599	601	603	611	599	610	593	595			
PGLA	GT11		219	218	219	217	219	218	219	220	218	218	218	219	218	219	218	176	168	172	174	176	200	172	172	190	180	175	171	200	216	198	208	207	199	216	196	215	194	216	187	220	212	209			
PGLA	GT12		222	223	223	221	223	221	224	222	223	221	222	223	222	222	223	179	171	174	177	181	204	175	175	193	183	180	174	205	221	202	214	210	203	222	200	219	197	221	188	221	216	213			
PGLA	ST10		243	241	241	240	243	240	242	238	238	241	241	238	240	238	219	207	212	212	212	226	210	210	210	227	218	213	215	226	240	227	236	230	234	240	233	239	216	242	232	243	240	236	240		
PLPS	GT11		114	115	126	126	130	128	131	132	129	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	GT12		122	122	135	134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	ST18		135	133	139	140	89	59	60	59	59	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT31		113	113	110	110	114	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT32		6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SGB3	ST34		96	66	66	66	66	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT1A		236	233	229	227	229	195	225	232	231	204	201	228	232	201	199	155	138	208	143	191	229	143	155	218	228	181	180	229	228	210	227	230	224	228	213	231	233	230	229	234	228	228	223		
TJGS	GT1B		216	212	214	216	219	181	212	223	213	194	189	216	216																																

Daily MW Generation on Friday

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	HY01	11	11	21	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	11	21	21	21	21	11	
BSIA	HY02	12	12	23	23	23	12	13	13	12	12	12	12	12	12	12	12	12	12	12	23	23	23	23	12	
BSIA	HY03	12	12	23	22	23	0	0	0	0	0	0	0	0	0	0	0	0	0	13	24	24	23	23	12	
CEND	HY01	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	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	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	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	124	123	62	63	
KNRG	HY01	34	34	34	34	34	0	0	0	0	0	0	0	0	0	0	0	0	0	21	35	34	34	34	34	
KNRG	HY02	35	35	35	35	35	0	0	0	0	0	0	0	0	0	0	0	0	0	24	35	35	35	35	35	
KNRG	HY03	34	34	34	34	23	24	24	24	24	23	24	24	24	23	24	24	24	23	24	34	34	34	34	34	
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	59	60	59	59	-1	-1	-1	-1	100	98	97	-1	
KNYR	HY02	101	100	100	63	75	61	80	96	63	61	60	67	61	63	67	60	60	61	62	61	59	58	58	61	
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	98	98	98	0	
KNYR	HY04	-1	-1	63	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	102	102	101	99	58	-1	
LPIA	HY01	22	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
LPIA	HY02	22	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	6	6	6	8	8	8	8	
PGAU	HY01	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-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	23	20	0	0	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	50	31	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	30	0	
SIHY	HY03	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	25	25	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	25	25	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	25	25	25	0	
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	0	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	31	31	-1	-1	-1	-1	
TMGR	HY02	64	55	45	44	54	44	54	77	44	46	46	45	48	46	44	44	45	44	45	45	48	45	58	45	
TMGR	HY03	32	32	32	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	60	59	0	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	31	31	31	31	81	83	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	-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	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	
Total Hydro		416	406	492	450	378	219	298	290	244	222	220	228	221	227	228	219	216	222	220	221	221	225	366	284	305
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	1	7	6	10	11	13	23	25	20	26	20	23
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	15	17	18	22	26	24	28	30	27
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	17	21	20	30	17	25	30	30	30
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	18	24	29	32	33	43	43	47	47	17
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	11	21	17	32	26	29	33	30	50	50
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	5	12	3	2	6	6	10	8	12	8
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	10	24	28	38	35	47	35	42	40	41
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	14	18	24	30	37	30	30	17	25	15
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	11	23	23	33	31	39	44	42	46	44

Daily MW Generation on Friday

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	3	7	12	16	19	25	28	30	30	30	30	24	21	22	30	17	13	18	4	3	1	1	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	1	3	14	8	6	12	30	37	37	15	20	9	10	47	32	26	27	16	33	15	7	1	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	1	5	19	25	14	39	42	39	36	52	52	50	52	52	52	50	47	28	31	12	8	3	1	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	2	4	15	21	26	30	35	36	32	23	23	41	37	27	39	32	25	9	19	12	8	2	0	1	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	2	4	6	4	6	4	3	6	9	10	2	4	10	13	21	4	6	6	2	1	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	3	39	106	179	231	288	324	375	408	405	427	423	364	396	385	380	385	252	213	192	106	52	23	4	2	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	4	5	4	3	3	6	4	2	4	3	4	4	4	4	4	4	4	3	5	3	5	4	5	4	3	2	3	5	3	4	3	3	4	4	2	4	4	4	4	4	4	4	4	4	4	3	5	4		
PCUF	CUFK	3	4	4	3	3	5	3	4	4	2	4	2	2	3	4	4	2	2	3	2	3	6	5	2	2	3	5	5	3	2	5	3	3	7	2	2	4	4	5	3	4	5	3	4	3	5	4	5		
Total Co-Gen		7	9	8	6	6	11	7	6	8	5	8	6	6	7	8	8	6	5	8	5	8	10	10	6	5	5	8	10	6	6	9	6	6	11	6	4	8	8	9	7	8	9	7	8	7	8	9	9		
Total Gen		14614	14118	13898	13625	13381	13155	12931	12784	12689	12591	12371	12437	12424	12392	12237	11866	11625	12003	12175	12405	12777	12950	13138	13333	13299	13267	13204	13442	13551	13711	13903	13894	14077	14051	14048	13965	13821	13809	14078	15223	15297	15137	15122	14951	14683	14726	14588	14542		
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	31	31	30	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	31	31	30	30	31	31	30	30	30	31	31	30	30	31	31	29	29	30	30	31	31	30	30	30	30			
TIE-PLTG		37	30	58	17	27	-6	17	52	12	35	-9	3	33	24	-7	42	76	63	16	48	18	-15	12	75	73	37	21	-5	2	19	13	21	52	-14	46	68	27	-44	1	-17	3	-7	44	-6	21	-13	3	50		
Interconnection		67	60	89	47	57	24	47	82	42	65	21	33	64	54	22	71	106	93	45	78	48	15	43	106	103	67	51	26	27	49	43	51	84	17	76	98	58	-13	30	12	33	23	75	25	51	17	33	80		
System Total		14557	14068	13820	13589	13335	13142	12895	12713	12658	12537	12361	12415	12371	12349	12226	11806	11530	11921	12141	12338	12740	12946	13107	13239	13208	13212	13161	13424	13532	13670	13868	13851	14001	14042	13980	13875	13771	13830	14055	15218	15271	15121	15055	14934	14640	14717	14562	14469		
SRev ST-Coal		137	348	533	555	489	453	527	475	474	474	471	477	500	482	489	490	593	447	383	330	351	294	271	281	258	161	101	227	165	209	388	369	379	397	390	395	389	403	386	381	249	206	159	147	189	203	211	219		
SRev CCGT-Gas		815	555	313	333	325	413	251	239	290	362	371	305	317	373	525	994	1105	863	894	769	608	679	636	414	440	687	786	607	558	409	350	353	237	138	260	255	280	225	448	220	194	202	253	162	162	133	157	151		
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	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		1178	1178	1077	1077	1178	1178	1027	1178	1027	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	1178	825	1077	926	1077	1077	1178	1178	1027	1178	991	1178	903	903	990	1091	803	302	302	338	338	425	713	713	713	664		
Hydro		137	147	161	203	87	118	240	47	244	115	117	109	116	110	109	118	121	115	117	116	116	116	111	323	153	283	155	154	79	113	227	103	193	78	214	213	201	123	302	314	463	473	481	482	339	312	420	363		
S.Reserve Total		2267	2228	2084	2168	2079	2162	2045	1939	2035	2129	2137	2069	2111	2143	2301	2780	2997	2603	2572	2393	2253	2267	2196	1843	1928	2057	2123	2069	1980	1909	1992	2003	1800	1791	1767	1766	1860	1842	1939	1217	1208	1219	1231	1216	1403	1361	1501	1397		