

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,510 MW
Distillate	0 MW
Total TNB	2,510 MW
Total IPP	17,416 MW
Total Co-Gen	0 MW
Total System	23,135 MW

Generation Mix

Type	MWh	Percentage
Hydro	24,670	7.00 %
Gas	61,291	17.39 %
Total TNB	85,961	24.38 %
ST-Coal	205,351	58.25 %
ST-Gas	402	0.11 %
LSS	4,284	1.22 %
Gas	55,117	15.63 %
Total IPP	265,154	75.21 %
Co-Gen	537	0.15 %
Total Co-Gen	537	0.15 %
Total Generation	351,652	99.75 %
PLTG	-195	-0.06 %
HVDC	-697	-0.20 %
Interconnection	-892	-0.25 %
Net Energy	352,544	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:	15:00:00 Hour
Total Set On Bus	18,115 MW
TNB Generation	3,863 MW
IPP Generation	12,525 MW
Spinning Reserve	1,696 MW
Maximum Demand	16,460 MW
Net Energy	352,544 MWH
Load Factor	89.24 %

Fuel Cost

Total Cost:	123,953,500.84 RM
Cost per Unit	35.25 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	623
Hydro	633
Syncon	475
Thermal	172
Total	1,903

Time	Weather	Temperature
Afternoon	Sunny	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	11
TJGS	180
Total TNB	191
CBPS	50
NPRI	153
PCGP	86
PGLA	45
PLPS	37
SPGP	208
PKLG	4
Total IPP	583
Total Gas	774
Total Gas Required	774

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	14271	13578	12963	12755	12434	12378	12482	12871	13380	14946	15674	16110	15941	15640	16157	16460	16452	16150	15348	15588	15829	15566	14928	14454

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, January 4, 2023 11:05:27 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																									
JMAH	U001	671	419	282	215	214	215	214	214	213	215	219	218	219	218	217	390	404	661	706	705	706	706	704	706	704	705	706	704	705	706	705	679	698	705	705	705	705	698	706	704	690	519	364	228					
JMAH	U002	209	214	214	213	213	214	213	213	213	214	215	214	213	214	213	213	214	215	305	576	694	702	705	705	703	708	704	705	704	705	704	706	705	702	707	709	703	705	707	706	706	709	706	706	359				
JMHE	U001	978	938	901	899	849	850	850	851	852	853	850	852	845	851	850	852	850	965	974	981	981	979	982	976	979	980	979	980	984	979	976	980	981	975	977	976	983	979	978	974	977	981	978	981	976	975	980		
JMHE	U002	974	936	899	901	850	851	847	851	854	851	848	850	848	851	849	852	850	968	980	981	981	979	981	978	979	980	979	980	983	976	973	976	975	976	971	973	972	975	977	976	972	973	976	976	978	975	973	977	
JMJG	U001	674	673	677	679	676	679	677	678	677	678	678	678	678	675	679	679	673	678	674	679	673	674	679	678	674	679	679	677	677	677	673	680	676	680	678	676	677	678	678	677	679	677	678	675	678	678			
JMJG	U002	673	674	674	674	674	675	673	675	677	673	677	674	672	673	674	673	675	672	674	673	677	676	676	674	676	677	673	677	675	677	673	677	673	675	672	674	673	677	672	679	673	677	674	670	677	677	676	673	
JMJG	U003	680	689	676	679	689	677	683	675	678	679	679	679	682	674	679	681	681	677	681	679	678	679	679	681	678	677	685	679	680	690	677	682	678	681	680	676	682	677	680	677	679	679	678	679	678	681	679	674	
JMJG	U005	978	953	900	900	848	848	845	854	854	851	851	850	850	851	848	866	953	980	977	977	975	976	977	974	974	977	981	973	973	977	977	976	977	974	974	976	975	975	973	972	978	975	974	977	976	976			
PKLG	U004	155	154	154	155	155	156	162	152	158	156	157	156	157	156	156	155	155	220	260	282	276	275	270	270	271	273	275	274	272	276	273	272	274	267	272	274	273	272	271	275	276	274	259	207	158	155	153		
PKLG	U005	321	268	269	269	269	268	271	268	276	268	270	267	269	268	273	268	271	266	330	427	464	468	457	470	474	466	470	463	452	466	455	470	452	458	465	452	458	460	451	461	458	454	464	442	355	279	268	269	
PKLG	U006	328	293	267	267	269	269	268	269	268	271	269	269	269	268	268	268	269	268	330	417	446	450	445	449	445	446	446	445	442	445	442	444	443	444	443	442	387	358	358	301	268	269	276	269	269	0	0	0	
TBIN	U001	698	698	698	698	550	350	210	210	210	210	210	210	210	300	400	650	698	698	698	698	698	698	698	698	698	698	698	698	698	695	698	698	698	699	699	697	699	697	696	700	699	697	699	698	699	698	696		
TBIN	U002	700	643	357	231	211	213	213	212	212	213	213	212	212	212	212	293	486	647	697	699	699	699	700	700	700	700	699	698	700	698	701	698	697	697	695	697	700	698	699	699	698	699	698	702	701	697	558		
TBIN	U003	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	667	668	666	667	667	665	664	667	666	666	665	668	670	666	668	666	667	668		
Total ST-Coal		8709	8222	7638	7450	7137	6935	6796	6792	6812	6802	6802	6801	6793	6879	6994	7242	7382	8059	8475	9014	9147	9235	9498	9620	9631	9623	9634	9625	9630	9633	9591	9632	9596	9616	9601	9563	9531	9532	9516	9466	9420	9425	9460	9396	9265	8688	8513	7889	
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	0	0	
PKLG	U006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	268	269	268
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	268	269	268
CBPS	BLK2	199	307	361	361	356	361	361	357	358	360	362	359	356	362	361	361	359	354	361	355	360	362	360	355	353	193	197	363	361	355	359	361	357	361	353	353	348	353	361	361	349	191	194	190	194	198	201	200	
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	35	38	45	55	56	91	71	70	71	70	49	50	50	49	103	95	97	95	96	96	95	96	95	95	95		
GLGR	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	34	33	33	34	0	0	0	0	40	42	42	42	42	42	41	41	41	41	41	42		
NPRI	BLK1	512	497	517	517	508	516	516	502	485	488	515	514	508	518	515	501	529	521	530	521	529	531	528	523	520	440	396	511	512	504	509	508	504	511	500	500	494	500	511	511	492	498	340	295	319	326	332	382	
NPRI	BLK2	447	438	508	482	483	518	520	478	467	467	517	515	505	524	511	473	525	516	526	517	526	527	524	520	515	513	523	526	526	517	524	524	518	523	511	511	507	512	522	522	503	509	338	293	317	323	329	383	
PCGP	PGRG	597	598	601	601	587	601	601	593	595	595	599	598	587	608	602	603	595	583	602	584	599	603	599	592	584	577	595	604	603	586	600	601	592	602	580	579	570	586	601	601	565	575	581	491	413	405	402	598	
PGLA	GT12	229	145	146	146	145	146	147	146	146	146	146	146	146	146	145	219	173	139	146	149	149	149	146	145	148	147	146	146	181	158	145	148	144	147	147	144	148	149	145	147	146	146	146	149	149	148			
PGLA	ST10	114	86	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	84	84	85	85	85	85	86	86	86	97	100	86	86	86	86	86	86	86	86	85	85	85	86	86	86	86			
PLPS	GT13	124	124	124	124	124	124	124	124	124	124	124	123	124	123	124	125	142	125	124	129	129	128	128	126	126	129	129	128	125	129	129	126	129	125	126	125	126	125	125	129	128	123	125	125	123	126	129	129	126
PLPS	ST18	59	58	59	59	59	58	58	59	58	59	60	59	59	59	59	60	59	60	58	60	59	58	60	60	60	60	59	59	59	59	59	59	59	59	58	59	58	59	58	59	58	59	58	59	58	59	60		
SPGP	BLK1	720	721	719	720	722	720	721	719	720	721	721	720	719	719	719	721	720	716	706	720	709	718	717	719	714	709	706	717	721	715	712	717	717	709	720	709	706	695	703	719	718	700	702	711	703	641	645	652	718
SPGP	BLK2	716	715	718	718	712	718	719	714	714	715	717	716	711	719	719	718	714	706	719	708	717	716	717	712	707	703	716	720	717	711	717	718	711	719	709	707	699	707	719	717	700	702	708	700	640	645	651	717	
TJGS	GT1A	107	167	224	227	225	226	227	225	182	166	143	144	200	226	177	95	175	220	228	178	175	225	169	132	130	108	111	120	171	227	226	212	225	225	213	184	119	132	141	132	122	128	135	127	134	134	132	134</	

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	
HTRG	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KNRG	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
KNRG	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
KNRG	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
KNYR	HY01	100	100	101	100	100	100	101	100	100	101	101	101	100	100	100	100	100	100	100	100	100	100	100	100	
KNYR	HY02	103	103	103	103	103	103	104	104	104	103	104	104	104	104	105	104	104	104	105	105	105	104	104	104	
KNYR	HY03	99	98	98	98	97	97	96	96	96	96	97	98	98	99	99	98	98	97	97	96	96	95	95	95	
KNYR	HY04	100	100	101	101	100	101	101	100	101	101	100	101	101	101	101	100	101	101	101	101	101	101	101	101	
LPJA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
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	
PGAU	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	82	22	22	22	22	22	22	110	110	110	80	
PGAU	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	111	111	112	112	112	
PGAU	HY03	112	111	112	112	112	112	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	111	112	112	
PGAU	HY04	111	21	21	22	22	22	21	22	21	22	22	21	22	21	22	22	21	21	21	22	110	110	111	111	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	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	25	25	25	25	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	25	25	25	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	25	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	84	83	84	45	
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	86	87	89	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	80	81	83	
TMGR	HY04	86	80	85	84	65	85	85	86	84	74	85	85	84	85	41	40	82	40	57	82	58	46	39	43	45
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	177	183	174	84	88	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	85	86	84	89	
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
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		990	887	895	894	873	894	895	803	802	790	804	805	804	807	805	857	813	811	853	809	825	948	793	781	832
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	2	3	4	6	8	12	17	15	12	15	15	16	17
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	15	18	22	27	29	33	29	35	37	19
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	15	18	21	26	26	28	24	30	29	23
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	12	16	14	16	20	27	43	42	7	2	4
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	8	10	16	36	40	36	31	30	25	6
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	9	17	13	13	24	17	28	18	8	10
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	17	24	27	35	39	44	34	35	49	37
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	17	22	23	28	27	30	29	29	27
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	9	17	23	22	30	33	25	37	14	24
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	13	25	39	50	45	63	77	69	77	91	71
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	9	15	21	28	26	38	39	43	40	40	50	37
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	14	19	20	26	27	22	26	20	26	19
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	7	14	42	29	48	38	32	42	88	76	99	87
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	11	16	12	12	20	26	26	17	24	25
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	14	17	25	13	23	21	21	34	33	26
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	18	27	39	52	32	71	37	44	56	72	56

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																								
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	19	78	45	72	109	56	113	54	28	23	23	28	28	13	18	11	7	7	2	1	1	1	1	0	0	0	0	0	0			
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	9	7	8	15	14	16	35	23	51	34	24	36	16	5	1	0	0	0	1	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	2	7	9	16	18	29	38	34	35	43	45	30	25	31	18	11	12	5	2	2	1	1	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	1	2	3	5	3	2	4	7	8	10	7	5	3	4	7	5	4	5	4	1	1	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	3	47	132	262	346	501	450	630	692	686	806	728	659	473	552	476	370	254	202	131	92	55	22	4	2	2	2	0	0	0	0	0	0	
ESTL	ESTL	15	1	3	15	18	9	18	15	16	2	0	16	18	1	15	15	15	17	10	20	18	4	16	3	11	12	15	16	18	19	23	22	19	19	2	8	15	15	1	16	17	11	17	17	3	16	14	0
KHTC	BLK1	4	5	4	5	4	4	5	8	8	6	5	7	6	3	3	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	3	0	0			
PCUF	CUFG	3	5	4	4	4	4	4	3	3	3	4	4	3	3	3	3	3	3	4	5	4	4	4	10	4	4	4	5	3	4	3	2	3	4	3	4	5	3	2	4	4	3	5	4	2	4		
PCUF	CUFK	3	4	4	3	3	3	6	3	4	5	4	3	3	3	2	4	3	4	4	4	3	3	3	3	3	4	4	4	4	4	4	3	4	3	3	6	5	3	4	3	3	5	4	1	4			
PFTZ	PFTZ	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	1	1	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1		
Total Co-Gen		26	16	16	27	29	20	33	29	31	16	13	30	30	11	23	26	23	25	18	28	26	12	24	11	19	26	23	24	26	29	31	30	27	24	9	16	21	23	13	25	23	21	26	25	17	28	18	9
Total Gen		14247	13770	13519	13325	12958	12833	12714	12538	12403	12345	12366	12381	12454	12696	12817	12953	13340	14295	14888	15251	15596	15884	16051	16086	15921	15628	15595	15899	16104	16343	16419	16342	16435	16413	16158	15645	15352	15272	15555	16003	15816	15660	15528	15204	14890	14608	14422	14219
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		-29	-30	-30	-29	-28	-31	-28	-28	-30	-29	-29	-28	-28	-28	-28	-28	-28	-28	-28	-30	-28	-28	-31	-31	-30	-31	-29	-29	-28	-30	-30	-31	-28	-30	-28	-29	-30	-30	-29	-31	-28	-28	-29	-28	-30			
TIE-PLTG		5	-7	-29	-5	23	-22	-13	14	-1	-22	17	17	1	-45	-26	5	-11	1	-30	-30	-50	-59	-28	-19	8	5	-14	-27	-22	-30	-12	-33	12	20	38	26	34	22	-4	-14	18	-9	-7	-27	-10	-19	-4	-25
Interconnection		-24	-37	-59	-33	-5	-52	-41	-14	-31	-51	-12	-12	-28	-73	-54	-24	-40	-27	-58	-59	-78	-87	-59	-47	-20	-25	-45	-57	-53	-59	-41	-61	-17	-11	8	-2	4	-6	-33	-44	-13	-38	-38	-55	-38	-48	-32	-55
System Total		14271	13807	13578	13358	12963	12885	12755	12552	12434	12396	12378	12393	12482	12769	12871	12977	13380	14322	14946	15310	15674	15971	16110	16133	15941	15653	15640	15956	16157	16402	16460	16403	16452	16424	16150	15647	15348	15278	15588	16047	15829	15698	15566	15259	14928	14656	14454	14274
SRev ST-Coal		334	526	675	668	752	757	746	753	748	749	746	750	749	769	738	714	674	489	422	308	175	177	186	118	107	115	104	113	108	105	147	106	142	122	137	175	114	113	129	165	178	174	146	203	216	253	260	410
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		
SRev CCGT-Gas		952	829	504	520	555	490	484	560	716	737	727	729	647	475	479	649	399	206	194	420	377	235	418	542	771	1128	1095	787	410	358	269	318	357	307	408	501	714	690	527	709	869	1036	1330	1545	1682	1645	1630	1192
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	44	45	44	
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		
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		
Syncon		676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	489	676	676	676	676	676	676	676	676	489	489	302	302	302	615	615	802	802	439	252	252	252	252	252	252	252	252	
Hydro		469	567	559	560	581	560	559	651	652	664	650	649	650	647	649	647	691	693	651	695	679	743	671	683	632	687	683	630	673	707	791	753	653	640	693	730	746	682	596	311	477	469	431	475	513	447	465	472
S.Reserve Total		2431	2598	2414	2424	2564	2483	2465	2640	2792	2826	2799	2804	2722	2567	2542	2686	2440	2064	1943	2099	1907	1644	1951	2019	2186	2606	2558	2206	1867	1846	1696	1666	1454	1371	1540	2021	2189	2287	2054	1624	1776	1931	2159	2475	2663	2641	2652	2370