

PROJECT	Wissous, Paris	PROJECT No	Q3210
CLIENT	Manziel, Phase 2	27/02/2021	50MW Thermal Calculations

Peak in Standby Modes. 3 out of 4 running Hall 1, 3 out of 4 running hall 2, 3 out of 4 running hall 3 at port load. catchers not running. Landlords full power peak

Feed	Load in kW	Load in kVA	IT Power	Power kW	Fuel Hu Figure	Fuel Consumption	Alternator Efficiency	MegaWatts Thermal
			kW	kW	Heating Value	kg/kWh	%	MW
Data Hall 1 Supply A	2391.85	2657.61	1500	2391.85	11833	0.211	0.96	6221
Data Hall 1 Supply B	2391.85	2657.61	1500	2391.85	11833	0.211	0.96	6221
Data Hall 1 Supply C	2391.85	2657.61	1500	2391.85	11833	0.211	0.96	6221
Data Hall 1 Supply D	0.00	0.00	0	0.00	0	0	0	0
Data Hall 2 Supply E	2297.00	2552.22	1500	2297.00	11833	0.212	0.96	6002
Data Hall 2 Supply F	2297.00	2552.22	1500	2297.00	11833	0.212	0.96	6002
Data Hall 2 Supply G	2297.00	2552.22	1500	2297.00	11833	0.212	0.96	6002
Data Hall 2 Supply H Mech	0.00	0.00	0	0.00	0	0	0	0
Data Hall 3 Supply I	1307.75	1453.06	800	1307.75	11833	0.215	0.96	3466
Data Hall 3 Supply J	1307.75	1453.06	800	1307.75	11833	0.215	0.96	3466
Data Hall 3 Supply K	1307.75	1453.06	800	1307.75	11833	0.215	0.96	3466
Data Hall 3 Supply L Mech	0.00	0.00	0	0.00	0	0	0	0
Catcher 1	0.00	0.00	0	0	0	0	0	0
Catcher 2	0.00	0.00	0	0	0	0	0	0
Landlords	590.00	655.56	0	590.00	11833	0.321	0.96	2334
			11400				TOTAL MW	49401
							Within 50MW Thermal	
TOTAL		20644.22 kVA						

20644.22 kVA

Exceeds 17MVA Utility Supply

Note, These are Peak loads with full battery Re-Charge and Worst Case External Temperatures at N= 20 year High. A situation that will only exist for circa 3 hours in a power outage and recovery, Otherwise at circa 95% of above