Great Wolf Lodge Temporary Power Requirements

Equipment Number	Equipment	Type	Location	Power Requirements				Motor Data			Cut-Sheet	Early Start	Notes
				Voltage	Amperage	Phase	Hz	Size	FLA	LRA			
1	Perimeter Lighting	Pole Lights/Harbor fence/Gate ligh	Along Property Lines	120v	80amp	1 ph	60Hz	N/A	N/A	N/A	N/A	1/16/2014	4 circuits - Lights to be placed around perimeter of site at street level & directed into site, at North & South gates along Harbor Blvd and along construction fence at Harbor Blvd.
2	Construction Trailer Complex	(14) Single Wides	At Harbor	208/230v	600amp	1 ph	60Hz	N/A	N/A	N/A	N/A	3/14/14-5/9/15	Power to be distributed
3	Conex Complex	(6) Trade Conexs	At Future Restaurant Pad	208/230v	200amp	1 ph	60Hz	N/A	N/A	N/A	N/A	3/14/14-5/9/15	6 Conexs with 20 amps each
4	Hoist # 1 & 2	2 (two) cars with single mast	North end of Tower	480v	200amp	3 ph	60Hz	N/A	75 amps ea. Car	N/A	N/A	7/9/14-1/22/15	
5	Tower Crane	Tower Crane - Comansa 550	SouthWest of Tower in utility yard	480v	350amp	3 ph	60Hz	See notes for electrical requirements			N/A	5/1/14-11/26/14	277 each phase to ground with 120 phase shift between phases. Do not use open Delta. 242kVA
6	Dewatering System	10 Pumps	10 Locations	480v	100amp	3ph	60Hz	N/A	N/A	N/A	N/A	1/16/14-4/26/14	(10) Pumps scattered around Mech Bunker and lower pump area at Waterpark
7	Dewatering Holding Tanks	Pump	Along Harbor (South)	230/480v	In Above			15hp				1/16/14-4/26/14	Included in 100 amp service to dewatering pumps
8	Sump Pump # 1	General Utility	TBD	230/460v	30amp	3ph	60Hz	3.7hp	8/4amp	N/A	N/A	1/16/14-12/1/14	For general utility usage during excavation/construction
9	Sump Pump # 2	General Utility	TBD	208/230v	30amp	1ph	60Hz	1.5hp	15 amp	N/A	N/A	1/16/14-12/1/14	For general utility usage during excavation/construction
10	Temp Stair Lighting # 1	Light Strings	NE Corner Pit	120v	30amp	1 ph	60Hz	N/A	N/A	N/A	N/A		TBD
11	Temp Stair Lighting # 2	Light Strings	SE Corner Pit	120v	30amp	1 ph	60Hz	N/A	N/A	N/A	N/A		TBD
12	Temp Stair Lighting # 3	Light Strings	SW Corner Pit	120v	30amp	1 ph	60Hz	N/A	N/A	N/A	N/A		TBD
13	Temp Stair Lighting # 4	Light Strings	NW Corner Pit	120v	30amp	1 ph	60Hz	N/A	N/A	N/A	N/A		TBD
14	General Lighting	Light Strings	Through-out Decks	120v	30amp	1 ph	60Hz	N/A	N/A	N/A	N/A		Number of circuits TBD
15	General Temp Power	Spider Boxes	Through-out Decks	120v/220v	50amp	1 ph	60Hz	N/A	N/A	N/A	N/A	1/16/14-6/15/15	Number of boxes TBD
16	Dom. Water Booster Pump	Simplex Variable Speed Booster	Located at base of tower at North end	480v	30amp	3ph	60Hz	5hp			N/A		***SIMPLEX VARIABLE SPEED TEMPORARY WATER BOOSTER*** 1 - Grundfos model CRE5-15 Plus-WA vertical multistage diffuser booster pump for 40 GPM at 105 PSIG TDH, with 5 HP, 3450 RPM, 208-230/3/60 motor. Also includes variable speed control, 1¼" inlet and discharge piping, isolation valves, check valve, pressure transducer, gauges, low inlet pressure sensor, and a 5 gallon ASME bladder tank.
17	Gang Box Power	Power Strip/Light	TBD	120v	20amp	1ph	60Hz	N/A	N/A	N/A	N/A		Approx 6 @ WaterPark, 6 @ LobbyCore & 18 @ HotelTower
18	Fire Proofing Pump	Fire Proofing Pump	South of Lobby Entrance at grade	120/208v	20-30amp	1 ph	60Hz				N/A	11/11/14-12/15/14	(4) 120v/20a circuits & (1) 220v/30a circuit
19	Elevator Platforms	Construction platforms	Hotel Tower 3rd fl elevator equipment room	480v	50amp	3ph						9/8/14-1/12/15	(2) 50 amp circuits to operate elevator platforms for constuction
20	Service Elevators	Elevators	Hotel Tower 3rd fl elevator equipment room	480v	100amp	3ph						1/15/2015	Provide Temp Power to operate (2) elevators for construction use
21	Placing boom	Pump	(1) at Hotel Tower & (1) at lobby core	480v	80amp	3ph						9/8/14-1/12/15	(2) 80 amp circuits

Desiel Motor Requirements

Equipment Number	Equipment	Type	Location	Fuel Consumption				Motor Data		Cut-Sheet	Early Start	Notes
				Hours	gls/hr	Annual	Teir	Size	Model			
	Temp Fire Pump	Desiel Stand-by Pump	TBD									
	Concrete Pumps # 1	Putzmeister BSA 14000 HP-D Trailer Pump - Main Pump	North end of Hotel Tower					630hp	Caterpillar			
	Concrete Pumps # 2	Putzmeister BSA 14000 HP-D Trailer Pump - Stand-by Pump	South end of Hotel Tower					630hp	Caterpillar			
	Placing Boom #1	May require temp power TBD										

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Equipment Number	Equipment	Type	Location	Power Requirements				Motor Data			Cut-Sheet	Early Start	Notes
				Voltage	Amperage	Phase	Hz	Size	FLA	LRA			
	Placing Boom #2	May require temp power TBD											
	Decker Welding Generator #1												