

## VIII. ECONOMIC ACTIVITY AND BUSINESS DEVELOPMENT

### C. LAND, CONSTRUCTION AND DESIGN OF PHYSICAL PLANT

#### 17. INFRASTRUCTURE REQUIREMENTS

*Submit as Exhibit VIII. C.17.a. studies of independent engineers or other experts reporting projections of estimated fresh water and electricity demand (base and peak-- period) and sanitary sewer and storm water discharge, each, for the proposed Gaming Facility. Include in those reports an assessment of the feasibility of any plans to accommodate that demand onsite (e.g. by onsite production of electricity, treatment of fresh or waste water, or detention of storm water).*

#### Electrical Demand

Giovanetti-Shulman Associates has studied the proposed building and has determined through engineering analysis the estimated electricity demand for the new facilities and construction phases and is reflected in the table below. The electrical utility, Orange and Rockland, confirmed the existing utility system and service point capacity are adequate for the addition of new facilities loads.

PROGRAM AREAS	Area Sq Ft	Electrical Connected Load	
		va/sq.ft.	KVA
Casino Floor and High Limit Slots (4,000 Slots)	129,800	15	1,947
Casino Floor Table Games, Asian Pit, High Limit Tables, Poker	86,100	15	1,292
FOH Support - Front Desk, Hotel Lobby, Entries/Vestibules, Bus Waiting, Valet Waiting	14,700	7	103
Casino Support (BOH)	46,200	7	323
Casino Support (BOH - Uniform, Smoking Patio, Dock, Warehouses, Armored Truck)	26,900	7	188
BOH MEP Spaces including MDF, IDF's, AV Closets, Surveillance and Security	7,000	3	21
BOH Circulation	14,620	3	44
Administration	24,750	7	173
Administration Circulation	4,125	3	12
Restrooms	8,200	7	57
Hotel Guestrooms (300 Keys)	241,890	3	726
Fitness	3,000	11	33
Ballroom/Meeting Rooms, Prefunction, Restrooms, Stage, BOH/Storage	51,600	14	722
Meeting/Convention Circulation	11,000	3	33
Banquet Kitchen	3,400	23	78
Upscale Steakhouse (150 Seats)	7,650	23	176
Asian (125 Seats)	6,610	23	152
Quick Serve Restaurant (150 Seats)	5,900	23	136
Italian Restaurant (150 Seats)	5,900	23	136
Food Court / Buffet (375 Seats)	15,000	23	345
Café (250 Seats - 24 hour)	9,250	23	213
Noodles (40 Seats)	2,500	23	58

High Limit Pantry	1,125	23	26
Employee Dining (325 Seats)	10,625	23	244
Lobby Bar, High Limits Lounges for Tables and Slots, Center Bar/Lounge (70 seats)	6,950	23	160
Spa	10,600	11	117
Pool & Deck (assumed to be indoors)	15,000	11	165
Retail	1,800	7	13
Service Bars (6 total)	4,800	45	216
Central Plant (condensate recovery to be used for a percentage of cooling tower makeup)	12,000	3	36
Event Center (5,000 Seats)	115,000	23	2,645
Porte Cochere, Patios, Bus Parking, Gardens	161,900	2	324
<b>Equipment Electrical Loads</b>			
Central Plant			7,447
Fans			4,140
Split AC Systems			372
Hotel & Casino Vertical Transportation			1,009
Signage/Features			757
Building Uplighting			757
Fire & Domestic Water Pumps			757
Low Voltage Equipment			757
Refrigeration (Walk-ins)			286
Parking Garage (8,800 Cars Structured, 10 bus stalls for drop off, 1200 surface)			2,072
<b>TOTAL</b>	<b>1,045,895</b>		<b>29266</b>
<b>TOTAL CONNECTED ELECTRICAL POWER</b>	<b>29266</b>	KVA	
<b>DIVERSIFIED OPERATIONAL ELECTRICAL LOAD</b>	<b>13,755</b>	KVA	

#### Feasibility for Onsite Electricity Production for Demand

Onsite production of electricity is limited to diesel generators for standby and emergency power when offsite utility power is not available.

#### **Attachments included:**

Civil and Off Site Improvement Issues

Electric Service Report

Sewer Supply Report

Storm water Report

Water Supply Report