

(Updated - March 19-2018)

**ELECTRIC LOADS DEMANDS FOR CURRENT & PROPOSED TENANTS AT ROOSEVELT ROADS - ALL DEVELOPMENT PHASES (YEARS 2018-2040)**

Parcel Zone	Name	Condition	Projected Use	Development Area (Gross Square Feet)	Dev. Area (acres)	Hospital Beds	Hotel Rooms	Dwelling Units	Students	Boat Slips	Passengers / Visitors	Load Rate	Load Demand kVA 13.2kV	Load Demand kVA 38.0kV
<b>YEAR 2018</b>														
B4	Water Treatment Plant	Existing Facilities	Potable Water Treatment Plant	3,800								0.10kVA/ sq. ft.	380	0
D1	Langley Urban Strip	Existing Facilities	CROEC Educational Facilities (Former Elementary School) - Includes classrooms, library, school administration, cafeteria, gym, showers and basketball court, bedroom areas.	67,368					250			Existing Transformer Capacity	300	0
A1	(Federal Property)	Existing Facilities	National Guard Boat Ramp (2301)	9,500								0.002kVA/ sq. ft.	19	0
B1	(Federal Property)		Homeland Security Boat Ramp + Proposed. Customs-Border Patrol Building (2217)	2,500								0.0138kVA/ sq. ft.	35	0
A3	Commercial Marina		Armed Forces Reserve Center (29, B2468, B2469, B2-B5, B4)	70,000								0.008kVA/ sq. ft.	560	0
A2	Forrestal Bayview Hills		DRNA-FURA Office (2334)	4,000								0.010kVA/ sq. ft.	40	0
			LRA Office (1205)	2,500								0.010kVA/ sq. ft.	25	0
			Pure Adventours (1715)	900								0.010VA/ sq. ft.	9	0
		Nautas (467)	2,000								0.010kVA/ sq. ft.	20	0	
		Para La Naturaleza (2332)	3,000								0.010kVA/ sq. ft.	30	0	
			<b>Phase Total</b>	<b>165,568</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250</b>	<b>0</b>	<b>0</b>	<b>Phase Total kVA =</b>	<b>1,418</b>	<b>0</b>
<b>Total Accumulated Demand =</b>													<b>1,418</b>	<b>0</b>

Parcel Zone	Name	Condition	Projected Use	Development Area (Gross Square Feet)	Dev. Area (acres)	Hospital Beds	Hotel Rooms	Dwelling Units	Students	Boat Slips	Passengers / Visitors	Load Rate	Load Demand kVA 13.2kV	Load Demand kVA 38.0kV
<b>ADDITIONAL DEVELOPMENTS ON YEARS 2019-2020</b>														
A2			Call Center (1205)	24,000								0.010kVA/ sq. ft.	240	0
A3	Commercial Marina	Proposed Facilities	Marina	5,000						70		0.5kVA/boat slip	35	0
B1	Waterfront Industrial		Drydock (shipyard)	180,000								Given demand	250	0
A1	Waterfront District		Ferry Terminal New Building (or alternative to use Building 2351)	5900								400	0.15kVA/passenger	60
			All Hands Public Beach (Restrooms and Concession) 4 plumbing fixtures	500								0.0138kVA/ sq. ft.	7	0
D1	Langley Urban Strip	Proposed Facilities											0	0
			Eldery Apartments (former Nay Lodge)	30,000				100				4kVA/ apt	400	0
I2	Langley Lowlands	Proposed Facilities	Ecologic Preservation (Horse Riding & Stables)	4,000								0.0138kVA/ sq. ft.	55	0
			<b>Phase Total</b>	<b>191,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>400</b>	<b>Phase Total =</b>	<b>1,047</b>	<b>0</b>
<b>Total Accumulated Demand =</b>													<b>2,465</b>	<b>0</b>

Parcel Zone	Name	Condition	Projected Use	Development Area (Gross Square Feet)	Dev. Area (acres)	Hospital Beds	Hotel Rooms	Dwelling Units	Students	Boat Slips	Passengers / Visitors	Load Rate	Load Demand kVA 13.2kV	Load Demand kVA 38.0kV
<b>ADDITIONAL DEVELOPMENTS ON YEARS 2021-2024</b>														
A1	Waterfront District	Proposed Facilities	Mixed-use Development Cruise Ship Terminal	50,000							1500	0.0138kVA/ sq. ft. Given Data	690 500	0 0
A2	Forrestal Bayview Hills	Proposed Facilities	Mixed-use Development	35,000								0.0138kVA/ sq. ft.	483	0
A4	Hospital Parcel	Proposed Facilities	Hospital (1790) Other Buildings on Hospital Parcel	130,000 10,000		100						4kVA/bed 0.0138kVA/ sq. ft.	0 138	400 0
B2	Fuel Terminal	Proposed Facilities	Tank Farm Building 192 Laboratory Tank Farm Building 1982 Pump Station	4,923 1,000								0.0138kVA/ sq. ft. Given demand	68 350	0 0
B3	Light Industrial	Proposed Facilities	Light Industrial	60,000								0.007kVA/ sq. ft.	420	0
C2	Punta Puerca	Proposed Facilities	Visitors Center, research Eco-Lodging	15,000			50					0.0138kVA/ sq. ft. 2kVA/ room	207 100	0 0
D1	Langley Urban Strip	Proposed Facilities	Mixed-use Development	25,000								0.0138kVA/ sq. ft.	345	0
<b>Phase Total</b>				<b>330,923</b>	<b>0</b>	<b>100</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1500</b>	<b>Phase Total =</b>	<b>3,301</b>	<b>400</b>
<b>Total Accumulated Demand =</b>													<b>5,766</b>	<b>400</b>

Parcel Zone	Name	Condition	Projected Use	Development Area (Gross Square Feet)	Dev. Area (acres)	Hospital Beds	Hotel Rooms	Dwelling Units	Students	Boat Slips	Passengers / Visitors	Load Rate	Load Demand kVA 13.2kV	Load Demand kVA 38.0kV		
<b>YEARS 2025-2028</b>																
A1	Waterfront District	Proposed Facilities	Commercial Mixed Use	87,500								0.0138kVA/ sq. ft.	1,208	0		
			Residential Units	375,000				150					8.50 kVA/ dwelling	1,275		
			Hospitality	50,000				100						4kVA/ room		400
			Industrial (wind/photovoltaic farms)	5,250	17.5									0.0138kVA/ sq. ft.	72	
			Golf/ Parks / Recreational	12,500	27.5									0.0138kVA/ sq. ft.	173	
			Marina	30,000								30		0.5kVA/boat slip	15	0
<b>560,250</b>																
A2	Forrestal Bayview Hills	Proposed Facilities	Commercial Mixed Use	100,000								0.0138kVA/ sq. ft.	1,380	0		
			Residential Units	100,000				40					8.50 kVA/ dwelling	340		
			Hospitality (Ocean View Inn)	37,500				75						2kVA/ room	150	
			<b>237,500</b>													
A3	Commercial Marina	Proposed Facilities	Commercial Mixed Use	62,500								0.0138kVA/ sq. ft.	863			
			Residential Units	125,000				50					8.50 kVA/ dwelling	425		
			Hospitality (Small Hotel)	17,500				35						2kVA/ room	70	
			<b>205,000</b>													
B2-3	Light Industrial Support	Proposed Facilities	Light Industrial	112,500 <b>112,500</b>	60							0.007kVA/ sq. ft.		788		
C1	Marsh Vista	Proposed Facilities	Light Industrial	81,250	5							0.007kVA/ sq. ft.		569		
			Recreational	25,000	70								0.0138kVA/ sq. ft.	345		
			<b>106,250</b>													
C2	Punta Puerca	Proposed Facilities	Hospitality (Eco-Lodge)	25,000			25					2kVA/ room	50			
			Institutional	2,500									0.0138kVA/ sq. ft.	35		
			Recreational	12,500	62.5								0.0138kVA/ sq. ft.	173		
<b>40,000</b>																
C3	Punta Medio Mundo	Proposed Facilities	Hospitality (Small Lodge)	15,000			15					2kVA/ room	30			
			Recreational	2,500	23								0.0138kVA/ sq. ft.	35		
<b>17,500</b>																

D1	Langley Urban Strip	Proposed Facilities	Commercial Mixed Use	75,000								0.0138kVA/ sq. ft.	1,035					
				<b>75,000</b>										0				
D2	South Princeton Hill	Proposed Facilities	Recreational	1,500	12.5								0.0138kVA/ sq. ft.	21				
			Public Facilities (Museum)	8,000										0.0138kVA/ sq. ft.	110			
			Hospitality (Small Lodge)	8,000			16							2kVA/ room	32			
				<b>17,500</b>														
G2	Cascajo Peninsula	Proposed Facilities	Residential Units	250,000				125					8.50 kVA/ dwelling	1,063				
			Commercial	50,000										0.0138kVA/ sq. ft.	690			
			Office	7,500											0.0138kVA/ sq. ft.	104		
				<b>307,500</b>														
I1	Highway Portal	Proposed Facilities	Recreation	5,000	17.5									0.0138kVA/ sq. ft.	69			
			Commercial	5,000											0.0138kVA/ sq. ft.	69		
			Renewable Energy	5,000	35											0.0138kVA/ sq. ft.	69	
				<b>15,000</b>														
<b>Phase Total</b>			<b>1,698,000</b>	<b>331</b>	<b>0</b>	<b>266</b>	<b>365</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>Phase Total =</b>		<b>9,898</b>	<b>1,756</b>				
<b>Total Accumulated Demand =</b>													<b>15,663</b>	<b>2,156</b>				

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<b>YEARS 2029-2032</b>																	
A1	Waterfront District	Proposed Facilities	Commercial Mixed Use	87,500									0.0138kVA/ sq. ft.	1,208	0		
			Residential Units	375,000				150						8.50 kVA/ dwelling	1,275		
			Industrial (wind/photovoltaic farms)	5,250	17.5										0.0138kVA/ sq. ft.	72	
			Golf/ Parks / Recreational	12,500	27.5										0.0138kVA/ sq. ft.	173	
			Marina	30,000								30			0.5kVA/boat slip	15	0
			<b>510,250</b>														
A2	Forrestal Bayview Hills	Proposed Facilities	Commercial Mixed Use	50,000									0.0138kVA/ sq. ft.	690	0		
			Residential Units	100,000				40						8.50 kVA/ dwelling	340		
			Hospitality (Ocean View Inn)	37,500				75							2kVA/ room	150	
				<b>187,500</b>													
A3	Commercial Marina	Proposed Facilities	Commercial Mixed Use	31,250									0.0138kVA/ sq. ft.	431			
			Residential Units	125,000				50						8.50 kVA/ dwelling	425		
			Hospitality (Small Hotel)	17,500				35							2kVA/ room	70	
				<b>173,750</b>													
B2-3	Light Industrial Support	Proposed Facilities	Light Industrial	112,500	60								0.007kVA/ sq. ft.		788		
				<b>112,500</b>													
C1	Marsh Vista	Proposed Facilities	Light Industrial	162,500	5								0.007kVA/ sq. ft.		1,138		
			Recreational	25,000	70										0.0138kVA/ sq. ft.	345	
				<b>187,500</b>													
C2	Punta Puerca	Proposed Facilities	Hospitality (Eco-Lodge)	25,000				25					2kVA/ room	50			
			Institutional	2,500											0.0138kVA/ sq. ft.	35	
				<b>27,500</b>													
C3	Punta Medio Mundo	Proposed Facilities	Hospitality (Small Lodge)	15,000				15					2kVA/ room	30			
			Recreational	2,500	23										0.0138kVA/ sq. ft.	35	
				<b>17,500</b>													
D1	Langley Urban Strip	Proposed Facilities	Commercial Mixed Use	75,000									0.0138kVA/ sq. ft.	1,035			
				<b>75,000</b>											0		
D2	South Princeton Hill	Proposed Facilities	Recreational	1,500	12.5								0.0138kVA/ sq. ft.	21			
				<b>1,500</b>													

G2	Cascajo Peninsula	Proposed Facilities	Residential Units	250,000				125			8.50 kVA/ dwelling	1,063		
			Commercial	50,000							0.0138kVA/ sq. ft.	690		
			Office	7,500								0.0138kVA/ sq. ft.	104	
				<b>307,500</b>										
I1	Highway Portal	Proposed Facilities	Recreation	5,000	17.5						0.0138kVA/ sq. ft.	69		
			Commercial	5,000							0.0138kVA/ sq. ft.	69		
			Renewable Energy	5,000	35							0.0138kVA/ sq. ft.	69	
				<b>15,000</b>										
<b>Phase Total</b>			<b>1,628,000</b>	<b>268</b>	<b>0</b>	<b>150</b>	<b>365</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>Phase Total =</b>	<b>8,461</b>	<b>1,925</b>	
<b>Total Accumulated Demand =</b>												<b>24,124</b>	<b>4,081</b>	

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<b>YEARS 2033-2036</b>														
C4	Las Delicias Hill	Proposed Facilities	Golf/Recreational	20,000								0.0138kVA/ sq. ft.	276	
C5	Ensenada Honda Lowlands	Proposed Facilities	Residential Units	30,000				30				8.50 kVA/ dwelling	255	
			Small Retail/Office	5,000									0.0138kVA/ sq. ft.	69
			Small Hotel/Guess House	5,000				10					2kVA/ room	20
				<b>40,000</b>										
C6	Guadalcanal	Proposed Facilities	Ecologic Preservation	2,000								0.0138kVA/ sq. ft.	28	0
D1	Langley Urban Strip	Proposed Facilities	Commercial Mixed Use	87,500								0.0138kVA/ sq. ft.	1,208	
			Residential Units	500,000				250					8.50 kVA/ dwelling	2,125
				<b>587,500</b>										
E1	Airside Industrial Park	Proposed Facilities	Light Industrial	800,000	175							0.007kVA/ sq. ft.		5,600
			Office	100,000									0.0138kVA/ sq. ft.	1,380
				<b>900,000</b>										
E2	Airside Institutional Cluster	Proposed Facilities	Institutional	100,000								0.0138kVA/ sq. ft.	1,380	
			Recreational	8,000	60								0.0138kVA/ sq. ft.	110
			Educational	70,000				200					0.77 kVA/ student	154
				<b>178,000</b>										
F1	Bundy Campus	Proposed Facilities	Institutional (R&D)	50,000								0.0138kVA/ sq. ft.	690	
			Residential Units	300,000				150					8.50 kVA/ dwelling	1,275
			Office/Services	75,000									0.0138kVA/ sq. ft.	1,035
			Commercial Mixed Use	200,000									0.0138kVA/ sq. ft.	2,760
				<b>625,000</b>										
F2	Ocean Hills	Proposed Facilities	Hopitality (hotel & short-term rental)	25,000			50					4kVA/ room		200
			Residential Units	300,000				150					8.50 kVA/ dwelling	1,275
				<b>325,000</b>										
G1	Inland Capehart	Proposed Facilities	School	70,000					250			0.77 kVA/ student	193	
			Residential Units	375,000				150					8.50 kVA/ dwelling	1,275
			Commercial Mixed Use	50,000									0.0138kVA/ sq. ft.	690
				<b>495,000</b>										
<b>Phase Total</b>			<b>2,585,000</b>	<b>235</b>	<b>0</b>	<b>60</b>	<b>730</b>	<b>450</b>	<b>0</b>	<b>0</b>	<b>Phase Total =</b>	<b>16,197</b>	<b>5,800</b>	
<b>Total Accumulated Demand =</b>												<b>40,321</b>	<b>9,881</b>	

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<b>YEARS 2036-2040</b>														
C4	Las Delicias Hill	Proposed Facilities												
C5	Ensenada Honda Lowlands	Proposed Facilities	Residential Units	30,000				30				8.50 kVA/ dwelling	255	
			Small Retail/Oficce	5,000								0.0138kVA/ sq. ft.	69	
			Small Hotel/Guess House	5,000			10					2kVA/ room	20	
				<b>40,000</b>										
C6	Guadalcanal	Proposed Facilities	Ecologic Preservation	0								0.0138kVA/ sq. ft.	0	
													0	
D1	Langley Urban Strip	Proposed Facilities	Commercial Mixed Use	87,500								0.0138kVA/ sq. ft.	1,208	
			Residential Units	500,000				250				8.50 kVA/ dwelling	2,125	
				<b>587,500</b>										
E1	Airside Industrial Park	Proposed Facilities	Light Industrial	800,000	175							0.007kVA/ sq. ft.		5,600
			Office	100,000								0.0138kVA/ sq. ft.	1,380	
				<b>900,000</b>										
E2	Airside Institutional Cluster	Proposed Facilities	Institutional	100,000								0.0138kVA/ sq. ft.	1,380	
			Recreational	8,000	60							0.0138kVA/ sq. ft.	110	
			Educational	70,000					200			0.77 kVA/ student	154	
				<b>178,000</b>										
F1	Bundy Campus	Proposed Facilities	Institutional (R&D)	50,000								0.0138kVA/ sq. ft.	690	
			Residential Units	300,000				150				8.50 kVA/ dwelling	1,275	
			Office/Services	75,000								0.0138kVA/ sq. ft.	1,035	
			Commercial Mixed Use	100,000								0.0138kVA/ sq. ft.	1,380	
				<b>525,000</b>										
F2	Ocean Hills	Proposed Facilities	Residential Units	300,000				150				8.50 kVA/ dwelling	1,275	
				<b>300,000</b>										
G1	Inland Capehart	Proposed Facilities	Residential Units	375,000				150				8.50 kVA/ dwelling	1,275	
			Commercial Mixed Use	25,000								0.0138kVA/ sq. ft.	345	
				<b>400,000</b>										
			<b>Phase Total</b>	<b>2,343,000</b>	<b>235</b>	<b>0</b>	<b>10</b>	<b>730</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>Phase Total =</b>	<b>13,976</b>	<b>5,600</b>
<b>Total Accumulated Demand =</b>													<b>54,297</b>	<b>15,481</b>

			Development Area (Gross Square Feet)	Dev. Area (acres)	Hospital Beds	Hotel Rooms	Dwelling Units	Students	Boat Slips	Passengers / Visitors		Load Demand kVA 13.2kV	Load Demand kVA 38.0kV
			<b>Total (all phases)</b>	<b>8,941,891</b>	<b>1,069</b>	<b>100</b>	<b>536</b>	<b>2,190</b>	<b>130</b>	<b>1,900</b>	<b>Total kVA (all phases) =</b>	<b>54,297</b>	<b>15,481</b>
<b>Total Load (kVA)</b>												<b>69,779</b>	
<b>Total Load (MVA)</b>												<b>70</b>	