From: Phan, Johnny

To: <u>Downtown West Project</u>

Subject: FW: Google - Diridon/DW - Distribution system information

Date: Tuesday, April 6, 2021 2:28:05 PM

Attachments: Building Demand & Energy FORM 2021-02-04 (1).pptx

From: Miller, Gregg <gmiller@coblentzlaw.com> Sent: Monday, February 8, 2021 10:24 AM

To: Phan, Johnny < Johnny. Phan@sanjoseca.gov>

Subject: Google - Diridon/DW - Distribution system information

[External Email]

Johnny: slide deck with our comments edits. Thanks,

Gregg Miller

Coblentz Patch Duffy & Bass LLP

One Montgomery Street, Suite 3000

San Francisco, CA 94104

Cell: 415-939-3142 | Direct Dial 415-772-5736 | Office 415-391-4800

gmiller@coblentzlaw.com www.coblentzlaw.com

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BUILDING ID FULL SITE

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]		DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use									
CUP				TBD	П	13,351	23,701		
Event Center					П				
Retail				600,000		6,441	33,367		
Hotel, Com		rooms		880,000		1,823	8,607		
Hotel, Corp		rooms							
Office				7,400,000		22,317	122,160		
Parking, Com	4,314	stalls		TBD		3,141	11,056		
Parking, Res	2,058	stalls		TBD	П	2,723	9,585		
Parking, Hotel	518	stalls		TBD	П	439	1,545		
Residential	4,010	units		3,288,200		3,884	22,645		
TOTAL (Site Diversified)				12,168,200		45,964	232,669		



BUILDING ID FULL SITE - EV Charging

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	% OF TOTAL EV COVERAGE	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	% OF PARKING STALLS EV INSTALLED	% OF PARKING STALLS EV READY
Parking, Com	4,314	stalls	50%	TBD	3,141	11,056	5%	40%
							L2 @ 7.2kW (Dual Cords)	L1 @ 1.7kW (Single Cords)
Parking, Res	2,058	stalls	100%	TBD	2,723	9,585	5%	90%
							L2 @ 7.2kW	L1 @ 1.7kW
Darking Hatal	F10	otollo	C00/	TDD	420	1 5 4 5	(Dual Cords)	(Single Cords)
Parking, Hotel	518	stalls	60%	TBD	439	1,545	5%	50%
							L2 @ 7.2kW	L1 @ 1.7kW
							(Dual Cords)	(Single Cords)
TOTAL (Site				TBD	3,695	22,186		
Diversified)								



BUILDING ID FULL SITE – SOLAR PV

Please provide a form for each building so that the total project load is captured.

USES	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]
Full Site Diversified "Gross" Load	12,168,200	45,964	232,669
Full Site Solar Generation	TBD	6,102	27,545
Full Site Total "Net" Load	12,168,200	N/A	205,123



BUILDING ID BLOCK F1

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]		DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use					П				
CUP					П			2,685	4,228
Event Center					П				
Retail				107,407	П	1,153	5,973		
Hotel, Com		rooms		64,000	П	133	626		
Hotel, Corp		rooms			П				
Office				1,650,000	П	4,976	27,238		
Parking, Com	973	stalls		TBD	П	708	2,494		
Parking, Hotel	35	stalls		TBD	П	30	104		
Residential		units			П				
Warehouse									
TOTAL (Block Diversified)				1,821,407		5,876	36,436	2,685	4,228



BUILDING ID BLOCK F3

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use								
CUP							48	73
Event Center								
Retail				1,880	20	105		
Hotel, Com		rooms						
Hotel, Corp		rooms						
Office				30,000	90	495		
Parking, Com	18	stalls		TBD	13	46		
Parking, Hotel		stalls						
Residential		units						
Warehouse								
TOTAL (Block Diversified)				31,880	105	646	48	73



BUILDING ID BLOCK D7

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use								
CUP							883	1,347
Event Center								
Retail				34,465	370	1,917		
Hotel, Com		rooms						
Hotel, Corp		rooms						
Office				550,000	1,659	9,079		
Parking, Com	185	stalls		TBD	135	474		
Parking, Hotel		stalls						
Residential		units						
Warehouse								
TOTAL (Block Diversified)				584,465	1,824	11,470	883	1,347



BUILDING ID BLOCK E1

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use								
CUP							1,765	2,694
Event Center				50,000	151	825		
Retail				68,931	740	3,833		
Hotel, Com		rooms						
Hotel, Corp		rooms						
Office				1,050,000	3,167	17,334		
Parking, Com	953	stalls		TBD	694	2,442		
Parking, Res		stalls						
Residential		units						
Warehouse								
TOTAL (Block Diversified)				1,168,931	4,058	24,435	1,765	2,694



BUILDING ID BLOCK G1

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use								
CUP							1,428	2,180
Event Center								
Retail				55,771	599	3,102		
Hotel, Com		rooms						
Hotel, Corp		rooms						
Office				890,000	2,684	14,692		
Parking, Com	260	stalls		TBD	189	666		
Parking, Hotel		stalls						
Residential		units						
Warehouse								
TOTAL (Block Diversified)				945,771	2,924	18,460	1,428	2,180



BUILDING ID BLOCK F2

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]		DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use					П				
CUP					П			150	279
Event Center					П				
Retail				16,443	П	177	914		
Hotel, Com		rooms			П				
Hotel, Corp		rooms			П				
Office					П				
Parking, Com	9	stalls		TBD	П	7	23		
Parking, Res	112	stalls		TBD	П	148	522		
Residential	320	units		262,400	П	310	1,807		
Warehouse									
TOTAL (Block Diversified)				278,843		679	3,266	150	279



BUILDING ID BLOCK F4

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]		DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use					П				
CUP					П			226	594
Event Center					П				
Retail				21,908	П	235	1,218		
Hotel, Com		rooms		120,000	П	249	1,174		
Hotel, Corp		rooms			П				
Office									
Parking, Com	12	stalls		TBD	П	9	31		
Parking, Res	98	stalls		TBD	П	130	456		
Parking, Hotel	66	stalls		TBD	П	56	197		
Residential	280	units		229,600		271	1,581		
TOTAL (Block Diversified)				371,508		907	4,657	226	594



BUILDING ID BLOCK H3 (AFF)

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]		DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use									
CUP					П			141	262
Event Center									
Retail				15,415		165	857		
Hotel, Com		rooms							
Hotel, Corp		rooms							
Office									
Parking, Com		stalls							
Parking, Res	77	stalls		TBD	П	102	359		
Residential	300	units		246,000	П	291	1,694		
Warehouse									
TOTAL (Block Diversified)				261,415		620	2,910	141	262



BUILDING ID BLOCK E2

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use								
CUP							172	367
Event Center				50,000	151	825		
Retail				17,521	188	974		
Hotel, Com		rooms						
Hotel, Corp		rooms						
Office								
Parking, Com	55	stalls		TBD	40	141		
Parking, Res	77	stalls		TBD	102	359		
Residential	280	units		229,600	271	1,581		
Warehouse								
TOTAL (Block Diversified)				297,121	748	3,881	172	367



BUILDING ID BLOCK E3

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use								
CUP							308	696
Event Center								
Retail				32,247	346	1,793		
Hotel, Com		rooms		80,000	166	782		
Hotel, Corp		rooms						
Office								
Parking, Com	26	stalls		TBD	19	67		
Parking, Res	146	stalls		TBD	193	680		
Parking, Hotel	65	stalls		TBD	55	194		
Residential	530	units		434,600	513	2,993		
TOTAL (Block Diversified)				546,847	1,322	6,509	308	696



BUILDING ID BLOCK H3 (MAR)

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]		DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use					П				
CUP								291	771
Event Center									
Retail				28,011		301	1,558		
Hotel, Com		rooms		160,000		332	1,565		
Hotel, Corp		rooms							
Office									
Parking, Com		stalls							
Parking, Res	373	stalls		TBD		493	1,737		
Residential	350	units		287,000		339	1,977		
Warehouse									
TOTAL (Block Diversified)				475,011		1,398	6,837	291	771



BUILDING ID BLOCK A1

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]		DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use									
CUP								1,966	3,232
Event Center									
Retail				37,962		408	2,111		
Hotel, Com		rooms							
Hotel, Corp		rooms		152,000		315	1,487		
Office				1,215,000		3,664	20,057		
Parking, Com		stalls							
Parking, Res		stalls							
Residential		units			П				
Warehouse									
TOTAL (Block Diversified)				1,404,962		3,482	23,655	1,966	3,232



BUILDING ID BLOCK B1

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use								
CUP							837	1,249
Event Center								
Retail				14,996	161	834		
Hotel, Com		rooms						
Hotel, Corp		rooms						
Office				540,000	1,629	8,914		
Parking, Com	400	stalls		TBD	291	1,025		
Parking, Res		stalls						
Residential		units						
Warehouse								
TOTAL (Block Diversified)				554,996	1,741	10,774	837	1,249



BUILDING ID BLOCK D4

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use								
CUP							1,101	1,642
Event Center								
Retail				19,717	212	1,096		
Hotel, Com		rooms						
Hotel, Corp		rooms						
Office				710,000	2,141	11,721		
Parking, Com	263	stalls		TBD	191	674		
Parking, Res		stalls						
Residential		units						
Warehouse								
TOTAL (Block Diversified)				729,717	2,105	13,491	1,101	1,642



BUILDING ID BLOCK H4

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]		DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use									
CUP					П			227	419
Event Center					П				
Retail				12,524	П	134	696		
Hotel, Com		rooms							
Hotel, Corp		rooms							
Office					П				
Parking, Com		stalls			П				
Parking, Res	585	stalls		TBD	П	774	2,725		
Residential	550	units		451,000	П	533	3,106		
Warehouse									
TOTAL (Block Diversified)				463,524		1,450	6,527	227	419



BUILDING ID BLOCK H2

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]		DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use									
CUP								145	266
Event Center					П				
Retail				7,970		86	443		
Hotel, Com		rooms							
Hotel, Corp		rooms							
Office									
Parking, Com		stalls							
Parking, Res	150	stalls		TBD		198	699		
Residential	350	units		287,000	П	339	1,977		
Warehouse									
TOTAL (Block Diversified)				294,970		650	3,118	145	266



BUILDING ID BLOCK H1

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	SY	IST. STEM MAND kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use									
CUP								124	228
Event Center									
Retail				6,831		73	380		
Hotel, Com		rooms							
Hotel, Corp		rooms							
Office									
Parking, Com		stalls							
Parking, Res	75	stalls		TBD		99	349		
Residential	300	units		246,000	2	291	1,694		
Warehouse									
TOTAL (Block Diversified)				252,831		522	2,423	124	228



BUILDING ID BLOCK C2

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use								
CUP							1,106	1,816
Event Center								
Retail				46,023	494	2,559		
Hotel, Com		rooms		64,000	133	626		
Hotel, Corp		rooms						
Office				665,000	2,006	10,978		
Parking, Com	823	stalls		TBD	599	2,109		
Parking, Res		stalls						
Parking, Hotel	74	stalls		TBD	63	221		
Residential		units						
TOTAL (Block Diversified)				775,023	2,741	16,493	1,106	1,816



BUILDING ID BLOCK C1

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use								
CUP							538	1,355
Event Center								
Retail				53,977	579	3,002		
Hotel, Com		rooms						
Hotel, Corp		rooms		240,000	497	2,347		
Office								
Parking, Com	62	stalls		TBD	45	159		
Parking, Res	365	stalls		TBD	483	1,700		
Parking, Hotel	278	stalls		TBD	235	829		
Residential	750	units		615,000	726	4,235		
TOTAL (Block Diversified)				908,977	2,451	12,273	538	1,355



BUILDING ID BLOCK D5-D6

Please provide a form for each building so that the total project load is captured.

USES	QTY	UNIT	# OF METERS	TOTAL AREA [SFt]	DIST. SYSTEM DEMAND [kW]	DIST. SYSTEM ENERGY [MWh]	CENT. UTIL. PLANT DEMAND [kW]	CENT. UTIL. PLANT ENERGY [MWh]
Active Use								
CUP								
Event Center								
Retail								
Hotel, Com		rooms						
Hotel, Corp		rooms						
Office								
Parking, Com	275	stalls		TBD	200	705		
Parking, Res		stalls						
Parking, Hotel		stalls						
Residential		units						
TOTAL (Block Diversified)				TBD	200	705		

