



PUBLIC WORKS DEPARTMENT

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CITY COUNCIL INFORMATIONAL MEMORANDUM

Date: November 27, 2024

To: Cupertino City Council

From: Susan Michael, CIP Manager, Department of Public Works

Re: City of Cupertino Electrical Utility Costs and Usage Information

Background: At the October 1 Council meeting, Council Member Moore requested a memo on the City's current electricity bill costs, kilowatt hours usage, and estimated usage the proposed photovoltaic project would generate. That information is included in Attachment A.

Sustainability Impact

No sustainability impact.

Fiscal Impact

No fiscal impact.

Prepared by: Susan Michael, CIP Manager, Department of Public Works

Reviewed by: Chad Mosley, Director of Public Works

Approved for Submission by: Pamela Wu, City Manager

Attachments:

A - Table of Electricity Costs and Usage

CITY COUNCIL MEMORANDUM
ATTACHMENT A
 Cupertino Electrical Utility Costs and Usage Information

Building	Electricity (kWh) for the past 12 months	Electricity Costs for the past 12 months
Library	1,085,520	\$ 379,410
Quinlan Community Center	393,045	\$ 135,575
City Hall	344,094	\$ 118,443
Sports Center	306,036	\$ 114,258
Senior Center	132,867	\$ 56,171
Community Hall	100,925	\$ 40,382
Blackberry Farm Buildings	96,828	\$ 32,919
Memorial Park Facility	63,941	\$ 28,667
Service Center 10555 Mary Ave	57,906	\$ 21,935
Monta Vista Rec Center	37,868	\$ 17,676
Wilson Park Buildings	34,307	\$ 14,007
McClellan Ranch Buildings	23,509	\$ 9,277
Creekside Park Building	18,212	\$ 7,610
Jollyman Park Building	16,579	\$ 6,694
Blackberry Farm Golf Pro Shop	10,844	\$ 4,550
Service Center Mary Ave @ Meteor Dr	8,803	\$ 3,325
Kennedy Middle School Concession Bldg.	1,704	\$ 687
Total	2,732,988	\$ 991,584

Building	Electricity (kWh) for the past 12 months	Electricity Costs for the past 12 months
Library	1,085,520	\$ 379,410
Quinlan Community Center	393,045	\$ 135,575
Sports Center	306,036	\$ 114,258
Community Hall	100,925	\$ 40,382
Blackberry Farm Buildings	96,828	\$ 32,919
Total	1,982,353	\$ 702,543

PV systems kWh generation	PV systems annual savings
621,477	\$ 189,074
453,795	\$ 154,217
322,104	\$ 93,047
66,784	\$ 29,441
110,948	\$ 38,253
1,575,108	\$ 504,032

kWh differential (current - proposed)	Cost differential (current - proposed)
464,043	\$ 190,336
(60,750)	\$ (18,642)
(16,068)	\$ 21,211
34,141	\$ 10,941
(14,120)	\$ (5,334)
407,245	\$ 198,511