Mayor
Rick Rosenberg

City Manager
Brock Jacobsen

CITY OF SANTA CLARA
FOUNDED 1854

City Council
Denny Drake
Leina Mathis
Ben Shakespeare
Jarett Waite
Christa Hinton

CITY COUNCIL

Meeting Date: November 2, 2022 **Agenda Item: 6**

Applicant: Gary Hall

Requested by: GARY HALL

Subject:

Summer Generation

Description:

Presentation on the 2022 summer generation.

Recommendation: Discussion

Cost: NA

Legal Approval: N/A

Finance Approval: N/A

Budget Approval: N/A

Attachments:
https://sccity.org/wp-content/uploads/formidable/41/POWER-DEPARTMENT-GENERATORS.pptx

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Phone (435) 673-6712 Fax (435) 628-7338

CITY OF
SANTA CLARA
FOUNDED 1854

POWER DEPARTMENT

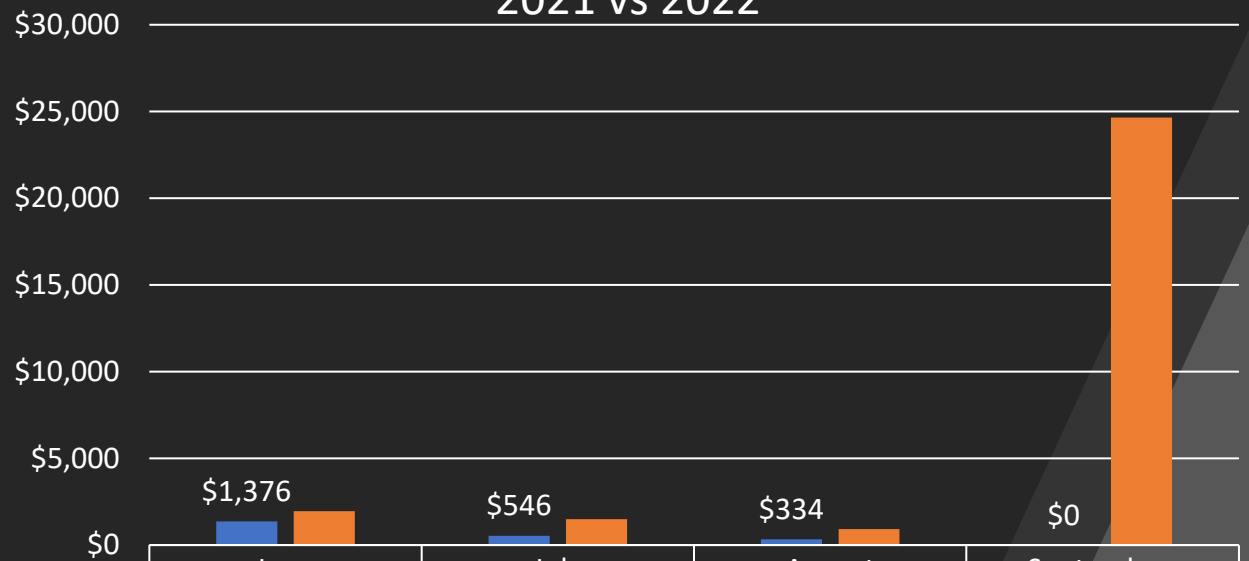
Gary Hall

Power Director

$4,800,533.45 SYSTEM UPGRADES

Previous Generators = 2 x 2 mega watt output
New Generators = 2 x 2.5 mega watt output
Total 9 mega watt output

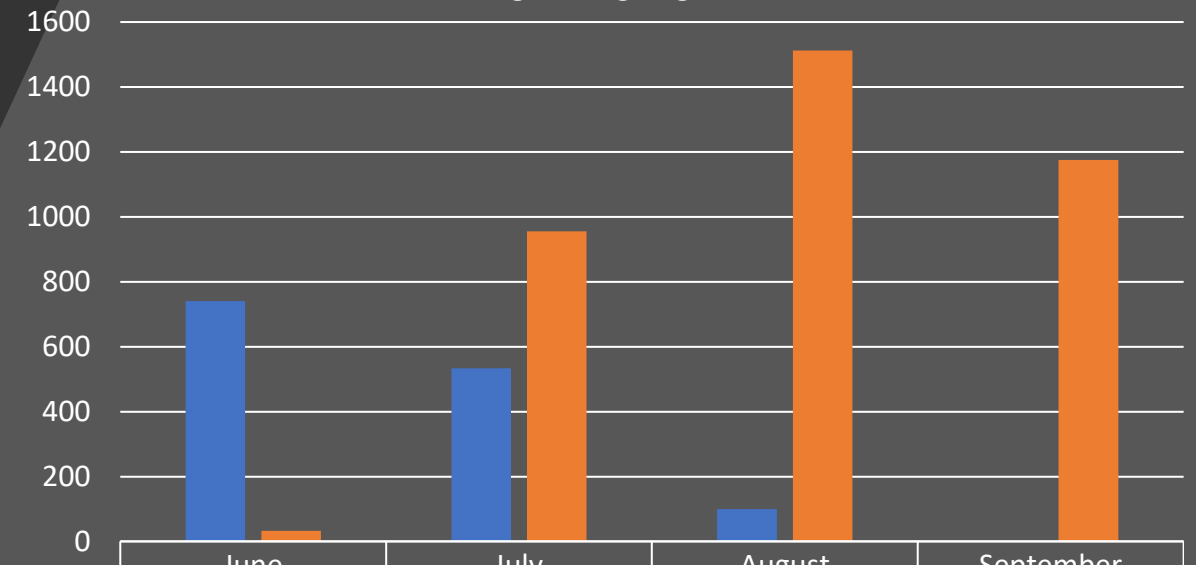
Generator vs Market Average Daily Savings 2021 vs 2022



	June	July	August	September
2021	$1,376	$546	$334	$0
2022	$1,969	$1,505	$928	$24,658

2021 2022

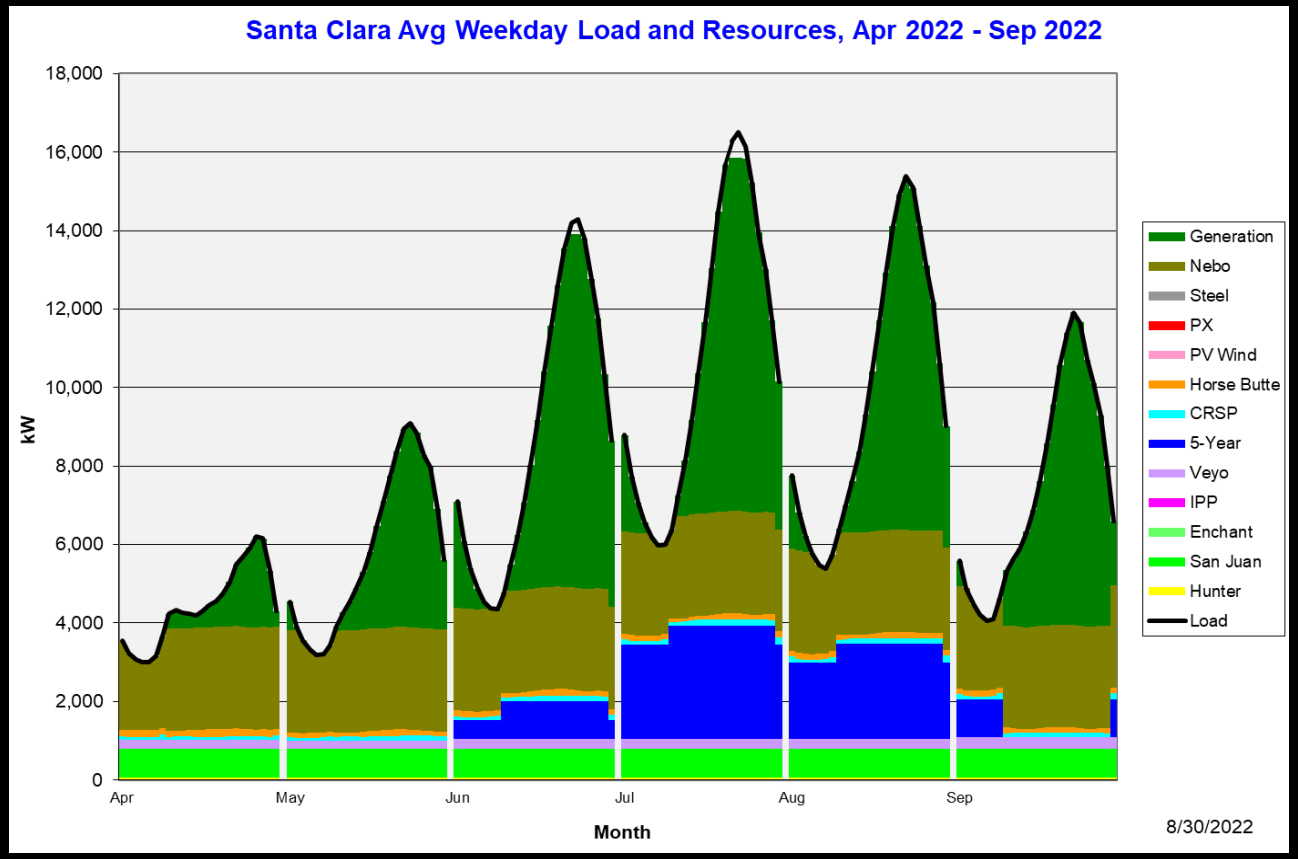
Generator Mega Watt Output 2021 vs 2022



	June	July	August	September
2021	741	534	100	0
2022	33	956	1512	1175

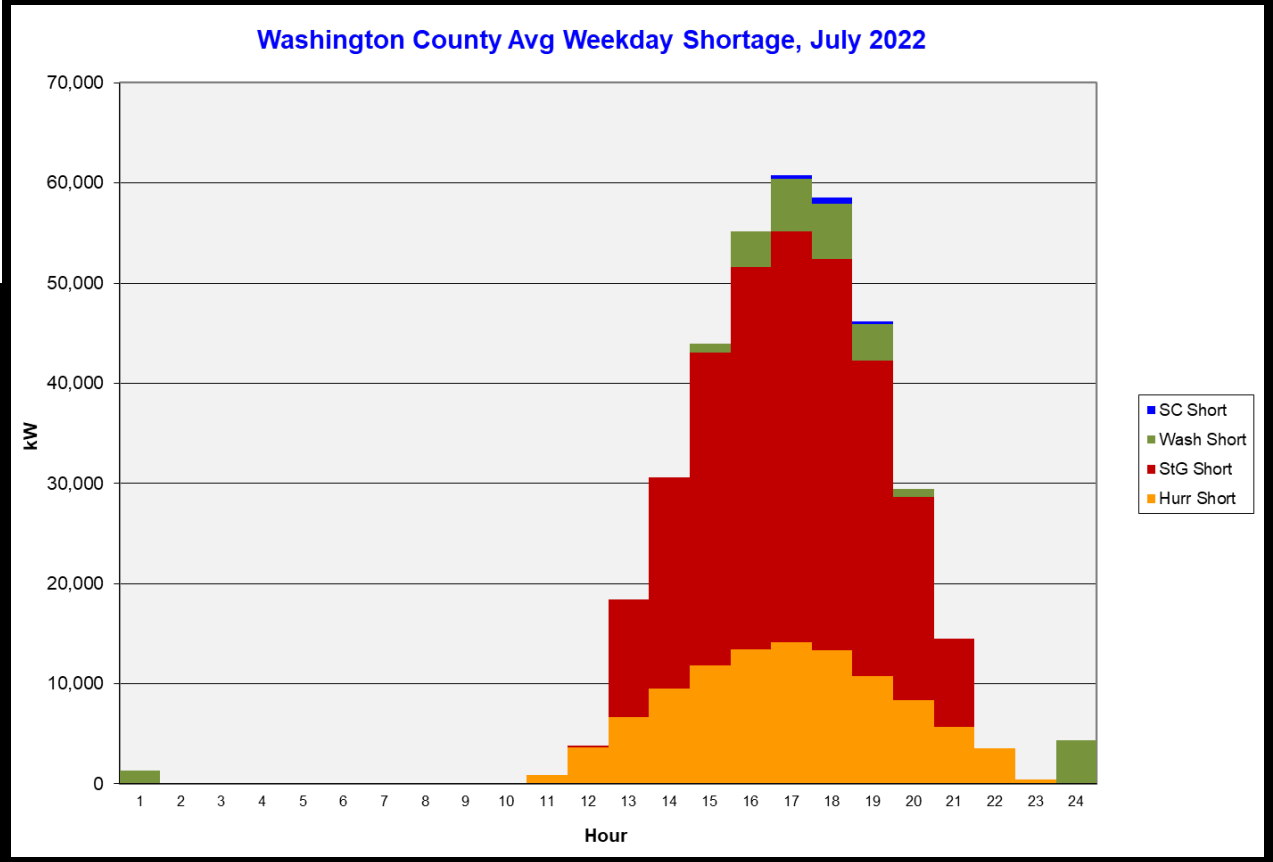
2021 2022

September 1st -8th total savings of $372,530 vs Market Prices



ACTUAL GENERATION

MEMBER FORECAST DATA



SAMPLE DATE OF GENERATOR VS MARKET PRICES

Day	WED	Mkt HR $
Date	9/7/22	
1	8	$ 250.00
2	0	$ 175.00
3	0	$ 150.00
4	0	$ 125.00
5	0	$ 125.00
6	0	$ 150.00
7	0	$ 250.00
8	0	$ 1,016.00
9	214	$ 1,016.00
10	4702	$ 1,016.00
11	5139	$ 1,016.00
12	6989	$ 1,016.00
13	7030	$ 1,016.00
14	8768	$ 932.00
15	8737	$ 851.00
16	8738	$ 829.00
17	8733	$ 812.00
18	8732	$ 1,016.00
19	8739	$ 1,016.00
20	8748	$ 1,016.00
21	8767	$ 1,016.00
22	8790	$ 1,016.00
23	5043	$ 1,016.00
24	4803	$ 452.00
TOTAL GEN USAGE	112,680	
DTH	0	
GAS Price	$ 13.35	
Questar Gas Costs	$ -	
Strike Price	$ 145.62	
Generator Cost	$ 16,408.46	
If bought on market $	$ 87,752.98	
Pool Cost Estimate	$32,418.48	
Savings	$ 71,344.52	

Total Savings for 2022 Summer Season Run

$463,943.92

Strike Price is the cost of running our generators to produce one mega watt. Our price holds the entire day, while market price fluctuates hourly.