

# City of Santa Paula

## *FINANCE COMMITTEE*

MAYOR GINGER GHERARDI  
VICE MAYOR CLINT GARMAN



### REGULAR MEETING OF THE SANTA PAULA FINANCE COMMITTEE

April 23, 2018

10:00 A.M. – REGULAR MATTERS

SANTA PAULA CITY HALL  
970 VENTURA STREET  
SANTA PAULA, CA 93060

LUCY BLANCO, CITY CLERK  
MICHAEL K. ROCK, CITY MANAGER  
JOHN C. COTTI, CITY ATTORNEY

Spare Copies of staff reports or other written documentation relating to each item of business referred to on this agenda are on file in the Office of the City Clerk and are available for public inspection. If you have any questions regarding any agenda item, contact the City Clerk at (805) 933-4208.



**REGULAR MATTERS – ADMINISTRATIVE CONFERENCE ROOM**

**CALL TO ORDER**

**ROLL CALL**

**ORDER OF BUSINESS**

1. [Presentation by Climatec, Frank Mann and Dominic Corbett on the Energy Efficiency Audit of all City Facilities](#)
2. [Schedule next meeting of Finance Committee for May 14 at 10:00 am – Discussion of Draft Budget for FY 18/19.](#)

**ADJOURNMENT**

State of California        )-  
County of Ventura        )- ss  
City of Santa Paula        )-

I declare under penalty of perjury that I posted this City Council Agenda on the bulletin board near the front door of City Hall, 970 Ventura Street, Santa Paula, California.

On \_\_\_\_\_ at \_\_\_\_\_ Signed: \_\_\_\_\_  
Lucy Blanco, City Clerk

# CITY OF SANTA PAULA



Feasibility Assessment

March 29, 2018

# CURRENT CHALLENGES

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- \*Tightening Budgets
- \*Escalating Utility Rates
- \*Limited Staff
- \*Lack of Funding
- \*More Maintenance Being Deferred

# NEEDS DISCUSSION



Conservation & Generation Categories	Description	Likely	Unlikely
Lighting	Interior LED Lighting	✓	
	Exterior LED Lighting	✓	
	LED Street Lighting		✓
	LED Ball Field Lighting	✓	
	LED Sport Court Lighting	✓	
Lighting Controls	Occupancy Sensor Installation		✓
	Street Lighting Controls		✓
HVAC	HVAC Unit Replacement	✓	
	HVAC Tune-Up	✓	
	New Air-side Economizer		✓
	Variable Frequency Drives (VFDs) for Pumps/Fans		✓
	Variable Air Volume (VAV)		✓
	Variable Refrigerant Volume (VRV)		✓
HVAC Controls	System Testing & Balance	✓	
	New Building Automation System (BAS)	✓	
Water & Irrigation	Domestic Hot Water Heater		✓
	Irrigation Pump Control System		✓
	High Efficiency Sprinkler	✓	
	Smart Irrigation Controls	✓	
	Water-Efficient Landscaping/ Xeriscape	✓	
	Low Flow Urinals, Toilets, Faucets	✓	
Power Generation	Solar Photovoltaic (PV) Generation	✓	
Energy Storage	Advanced Battery (Energy) Storage	✓	
Building Envelope	Window Replacement	✓	
	Shading Devices/ Window Films/ Window Tinting	✓	
	New Cool Roof/ Cool Roof Coating		✓
Water & Wastewater Systems	Aeration System Improvements	✓	
	Corrosion Control Improvements	✓	
	SCADA Control Improvements	✓	
	Water Meter Replacement		✓
	Advanced Metering Infrastructure (AMI)		✓
Other	Electric Vehicle Chargers	✓	
	Plug Load Management	✓	
	Vending Machine Controls (VendingMiser®)		✓



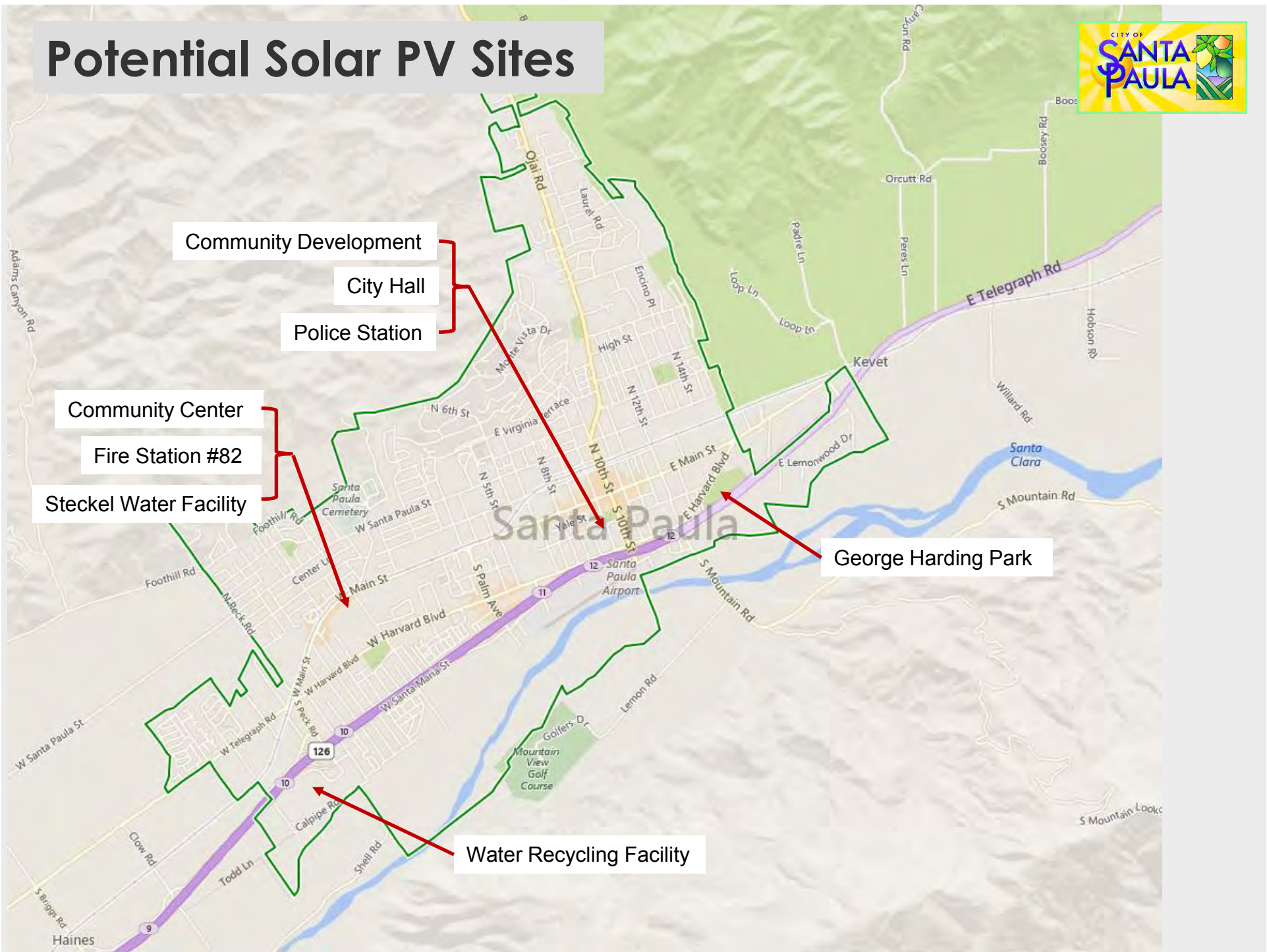
# SOLAR PHOTOVOLTAIC

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- \* Potential for Solar PV at:
- \* (4) Sites
- \* (8) Facilities

# Potential Solar PV Sites



Community Development

City Hall

Police Station

Community Center

Fire Station #82

Steckel Water Facility

George Harding Park

Water Recycling Facility



# SAMPLE SOLAR LAYOUT





# SAMPLE SOLAR LAYOUT

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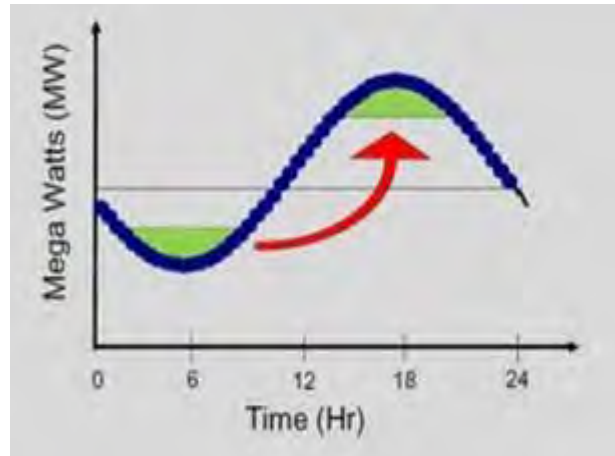


# BATTERY ENERGY STORAGE

SCE Demand Reduction - kW



Peak Shaving for  
Demand Charge  
Avoidance



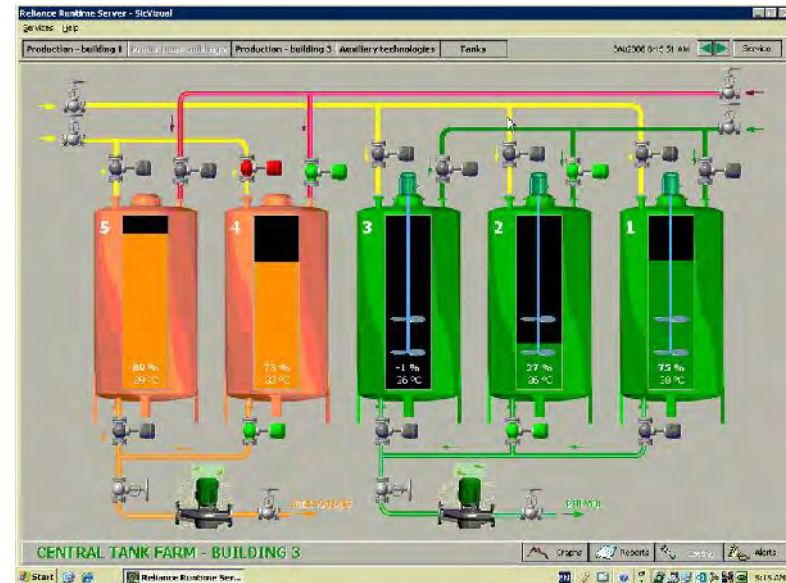
Behind-the-Meter  
Energy Storage



# WATER FACILITIES

## Pumping & Reservoirs

- \*Supervisory Control and Data Acquisition Improvement
- \*Off Peak Pumping Controls





# WATER RECYCLING FACILITY

Process & Protection

## \*Aeration System Improvements

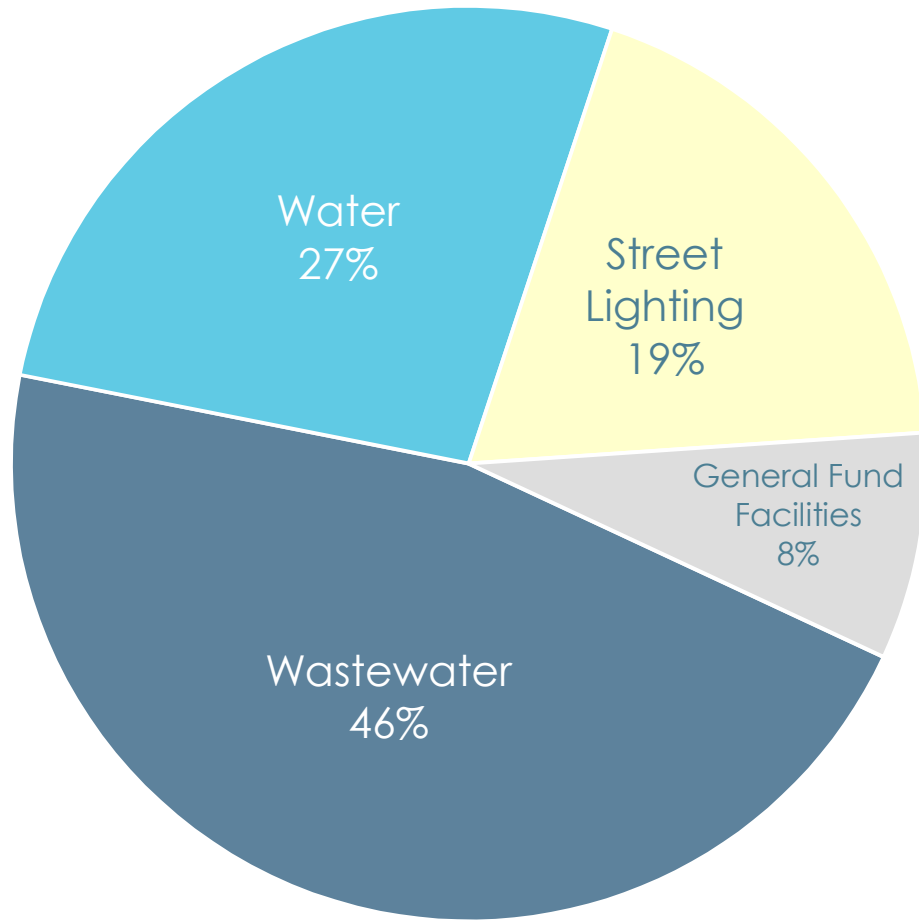


## \*Anti-Corrosion Upgrades





# ANNUAL ELECTRIC EXPENDITURE



2017 SCE EXPENDITURE  
TOTAL: \$1,121,248



Category	Annual \$
Wastewater	\$ 517,633
Water	\$ 302,266
Street Lighting	\$ 211,336
General Fund Facilities	\$ 90,013
	<b>\$ 1,121,248</b>

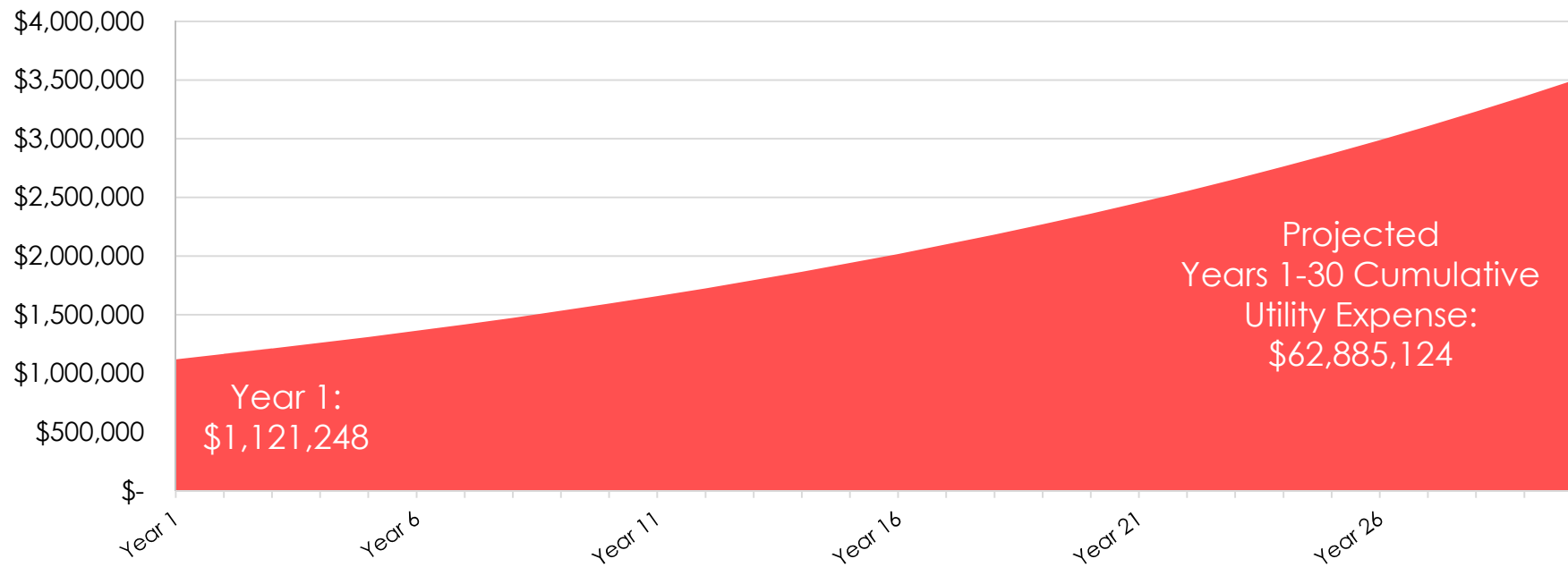
# PRIMARY FUNDING SOURCES



\*Annual Electric Expenditure

\$1,121,248

PROJECTED UTILITY EXPENSE  
30 YEAR ANALYSIS



# ADDITIONAL FUNDING SOURCES

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- \* Utility Incentive Programs
- \* State of California Programs
- \* State & Federal Grants
- \* Municipal Financing / Guaranteed Savings
- \* Bosch Funding

# NEXT STEP

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Present Feasibility Assessment  
to Ad-Hoc Committee