

Municipal Microgrids Status Report

Transportation and Environment Committee
October 2, 2023
Item (d)2

Presented By:
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Deputy Director, Public Works

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PROGRAM BACKGROUND

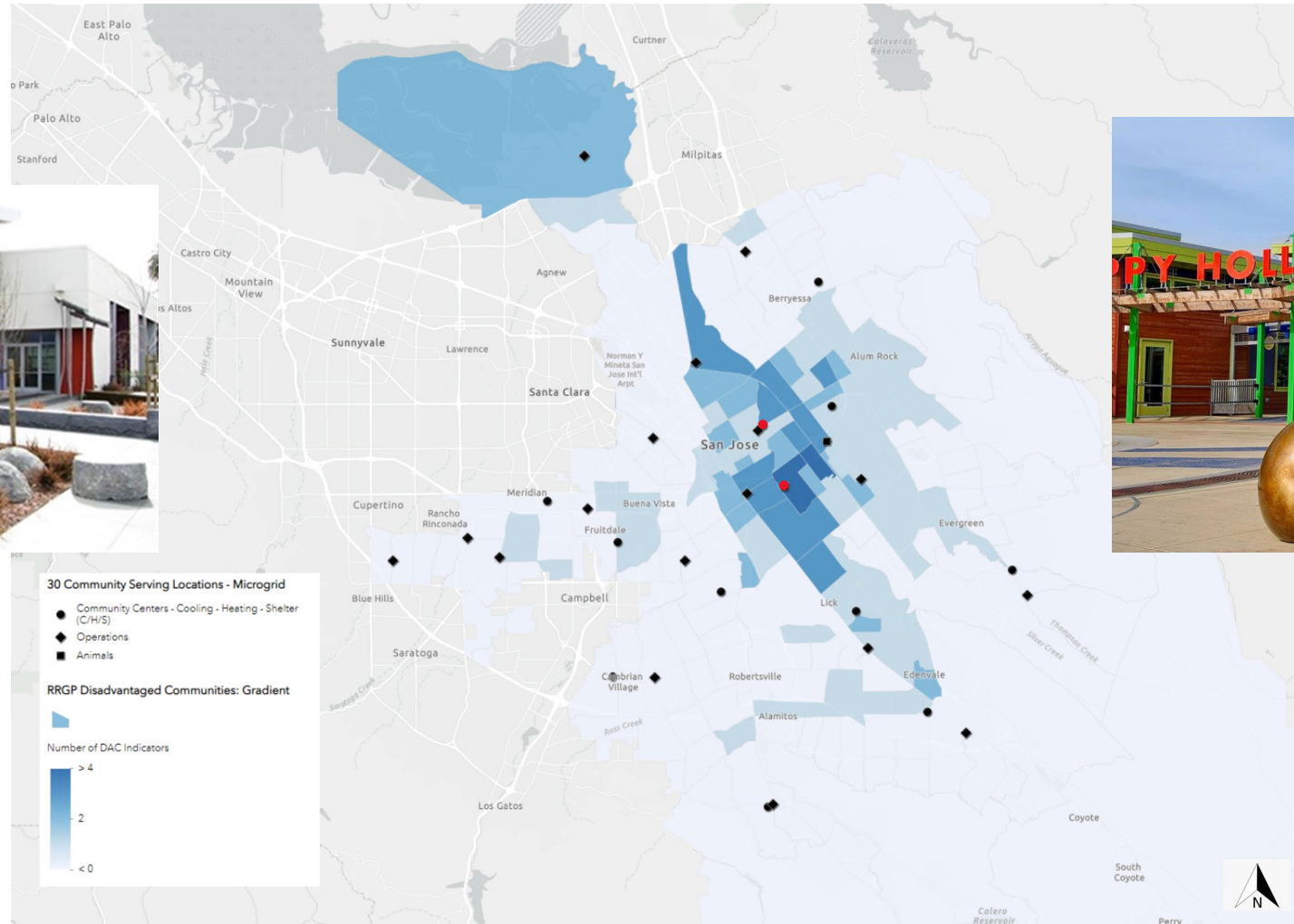


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PRIORITY MICROGRID LOCATIONS



1. Roosevelt Community Center



















2. Happy Hollow Park and Zoo



MARCH – AUGUST 2023 ACHIEVEMENTS



COMPLETED GOALS

Milestones	April	May	June	July	August
Finalize FY23-24 Work Plan					
Hire 2 Interns to Support PM					
Hire Engineer to support Project Delivery					
Capital Budget Proposal (\$3.5M Construction)					
Roosevelt & HHPZ Design Completion					
Grant Proposals					  
Power Purchasing Agreement Evaluation					



Baseline Date



Completed Date



Evaluated Date

Staff

Hired new support:

- **2 Student Interns to support PM**
- **1 Associate Engineer to support Project Delivery**

Funding

Consideration of \$450k Market Access Funds

Submitted Grants totaling \$1.85M:

- ***\$1.2M San Jose Fleet and Emergency Charging Infrastructure Project***
- ***\$650k Municipal Microgrids Roadmap***

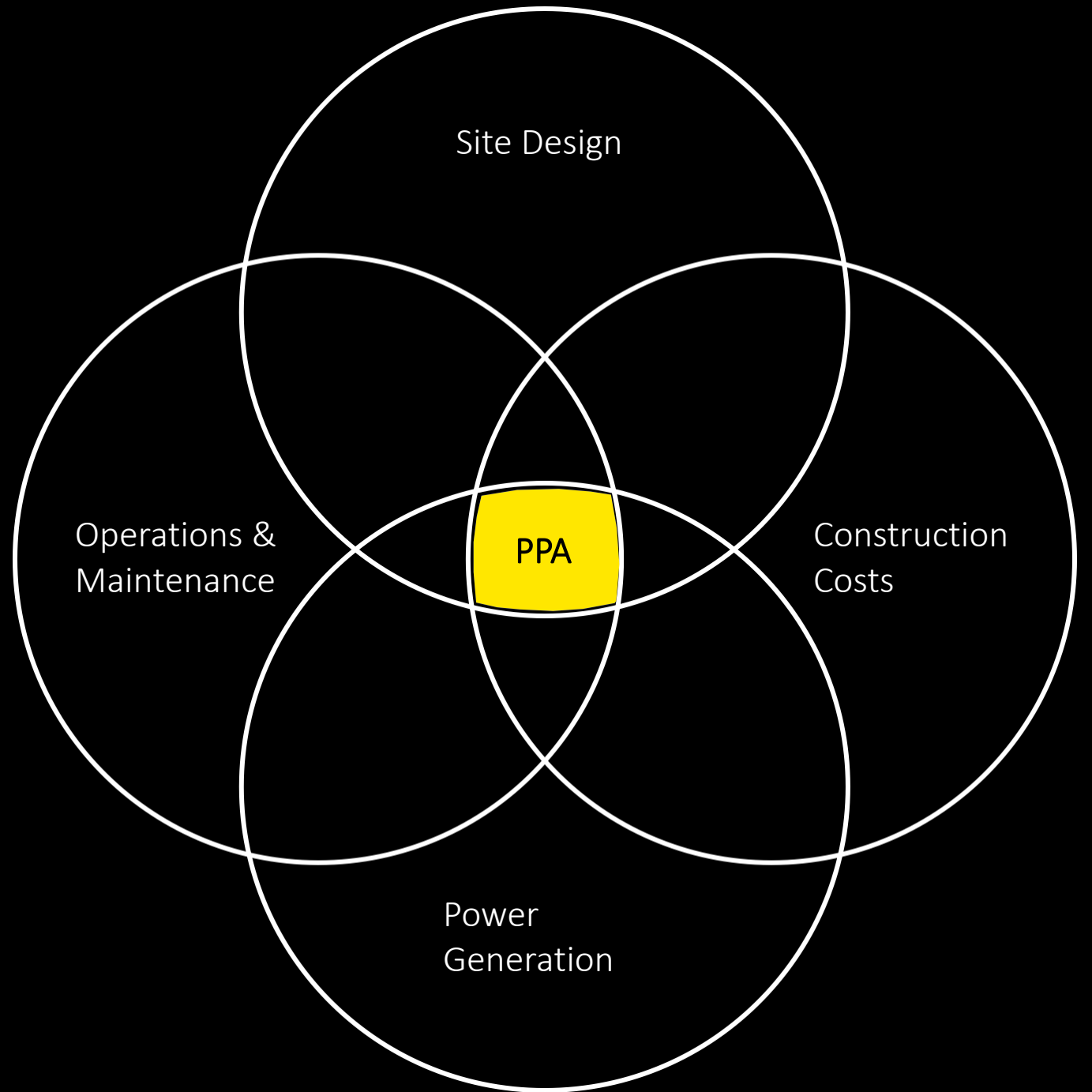
Project Design

Project designs for Roosevelt & Happy Hollow are nearly complete

Both sites ready for bids starting next quarter

BUILDING THE FOUNDATION

SCOPING A POWER PURCHASING AGREEMENT (PPA)



Staff

Program Manager position is time limited, ending June 2024

Funding

Capital funding limitation

Grants are opportunistic, construction-oriented and require general funds for reimbursement and match

Decarbonization

Pathway to Carbon Neutrality by 2030 and Advanced Clean Fleets create new considerations for microgrid designs

CHALLENGES

Staff

**Request permanent
Program Manager
position starting
FY 24-25**

Funding

**FY 24-25 request to
include Power
Purchasing Agreement
development and
upfront costs**

Decarbonization

**Incorporate where
possible, with
successful grants
funding the
decarbonization plans
for 30 microgrid
priority locations and
microgrid-powered EV
chargers**

SOLUTIONS

MICROGRID PROGRAM NEXT STEPS



Complete PPA Scope Development in Fall 2023



Program Budget Estimates in Winter 2024



Submit FY 24-25 program budget requests including permanent staffing needs in Spring 2024



Move forward on Microgrids Roadmap and site designs for 30 community-serving locations by Summer 2024

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Item (d)3

QUESTIONS?

Walter Lin

Deputy Director, Public Works

Carol Boland Whattam

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