

AUGUST 2022

# Critical Municipal Facilities Program: Overview + Participation Needs



# Table of Contents

1

About EBCE

2

About the Critical  
Municipal Facilities  
Resilience Program

3

What Does  
Participation Entail?



1

## ABOUT EBCE



# About EBCE

East Bay Community Energy (EBCE) exists to provide more renewable energy at competitive rates to our customers.

## WHAT ARE THE BENEFITS?

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LOWER  
RATES



LOCAL  
INVESTMENT



SUSTAINABILITY



CUSTOMER  
CHOICE

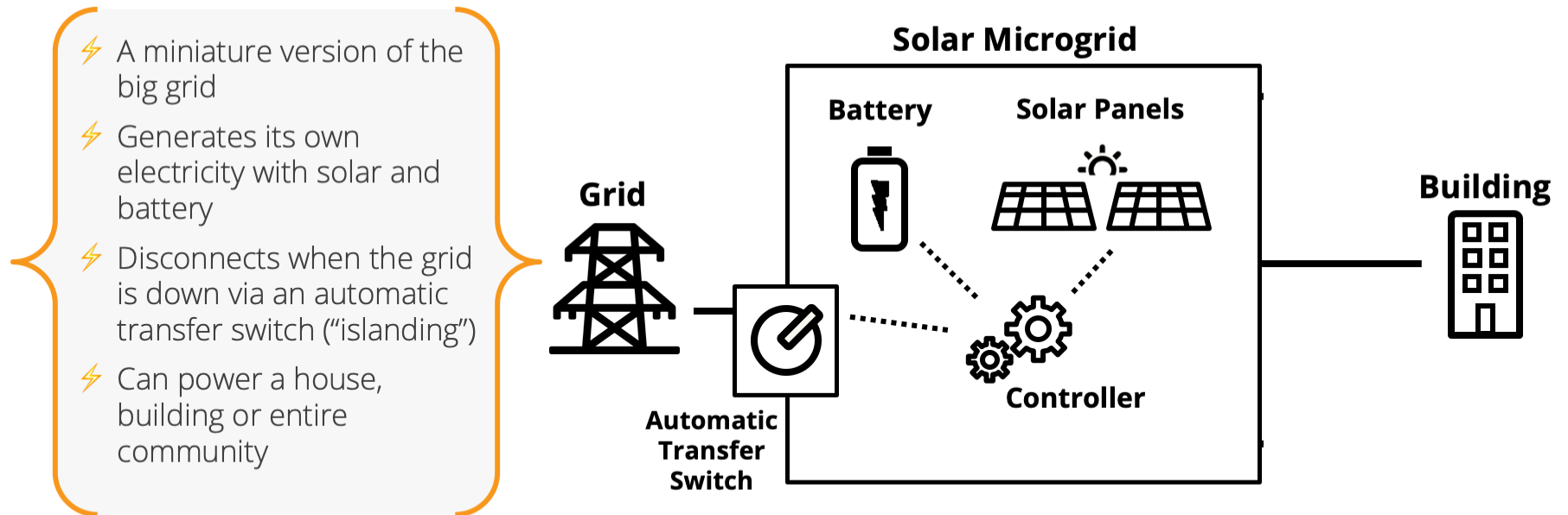
2

## ABOUT THE CRITICAL MUNICIPAL FACILITY RESILIENCE PROGRAM



# EBCE's Critical Municipal Resilience Program Vision

Ongoing program to provide clean energy for critical municipal facilities to advance energy resilience and climate action.



FREEING  
ENERGY

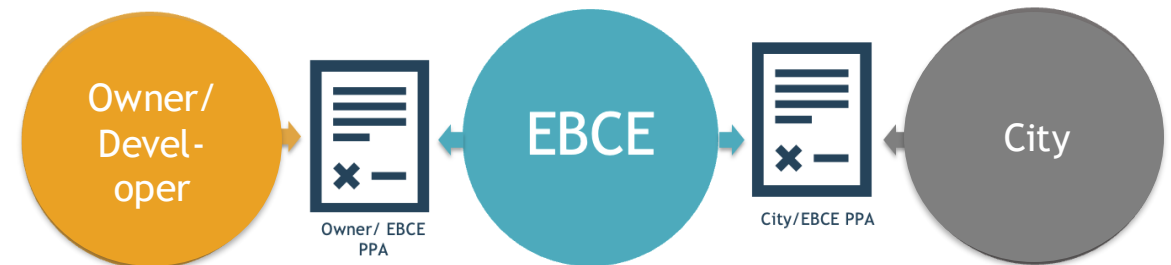
# Program Goal: Power Purchase Agreement for Solar + Storage

## What is a PPA?

- Solar + storage systems designed, installed at site by an energy developer using private financing
- Energy from solar + storage sold to City at a pre-established price for a fixed term (~20 years)
  - Private developer owns assets
- Benefits:
  - No upfront costs
  - Bill certainty
  - No City O&M

## Contract Structure

- EBCE remains City's main contact over PPA term



# EBCE's Critical Municipal Resilience Program Benefits



## Expertise

### Industry Knowledge

Leverage EBCE market knowledge and Phase I experience

### Extensive Diligence on Critical Facilities

Independent engineering engaged by EBCE



## Procurement

### Economies of Scale

Aggregating sites of many sizes across our territory to reduce costs

### Reflecting City Needs

Procure to meet your budget



## O&M

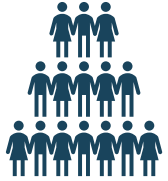
### Power Purchase Agreement

City's role is to buy power—not operate or maintain systems

### EBCE Stewardship

EBCE as main point of contact for solar + storage O&M

# EBCE's Critical Municipal Resilience Program: Phase 1 Portfolio



## Participants

Fremont  
Hayward  
San Leandro  
Berkeley



## Facility Types

Fire Stations  
Police Stations  
Corp Yards  
Libraries  
Aviation Facilities  
Recreational Facilities  
Water Treatment Plants  
Community/Senior Centers  
Emergency Operations Centers



## Operational Goals

Backup power for 3 days for critical loads\*

# Why Participate in EBCE's Critical Municipal Resilience Program?

## Energy resilience for critical facilities

- Extend operations during power outages
- Solar + storage systems work with existing generators where applicable

## Clean, affordable energy development

- Reduce emissions & improve air quality
- Produce energy reliably at a stable cost

## Meet resilience + climate goals quickly and easily

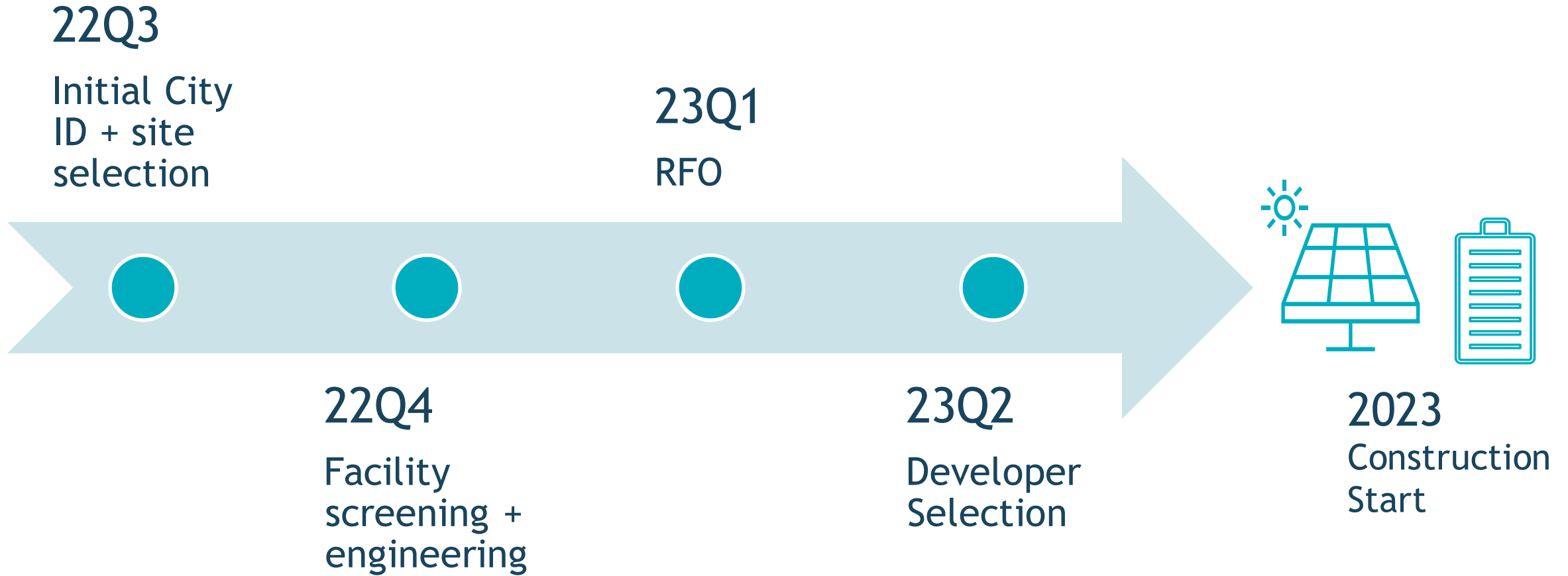
- No upfront costs to City
- EBCE manages study, procurement, and infrastructure

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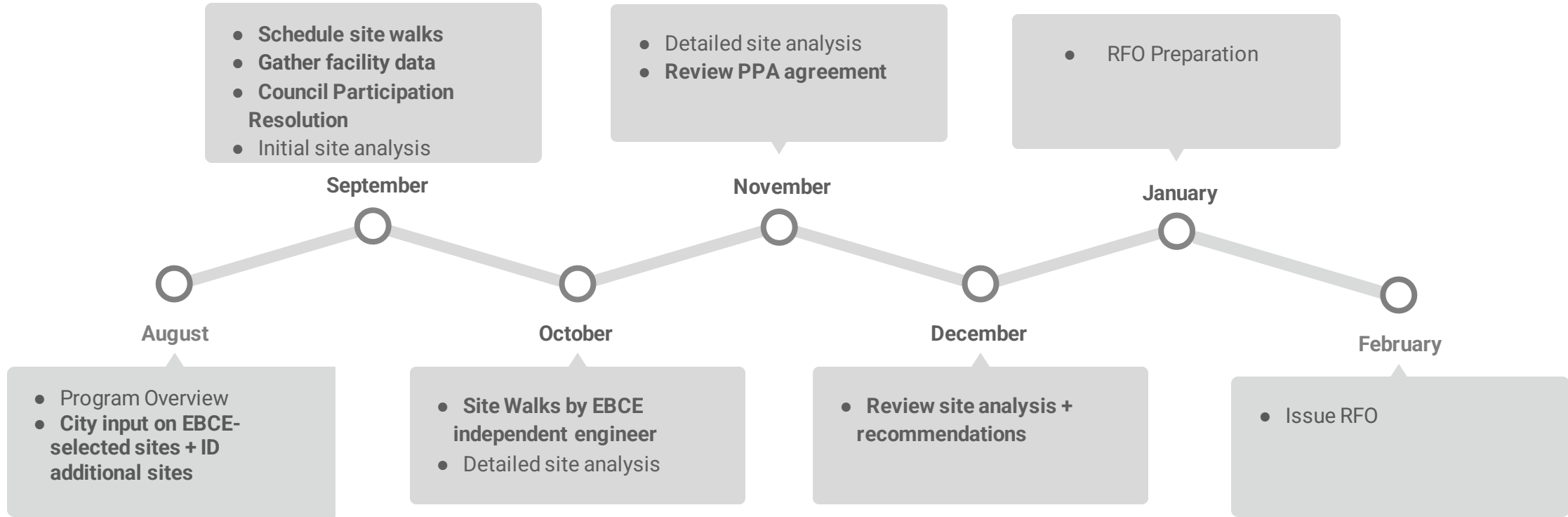
## WHAT DOES PARTICIPATION ENTAIL?



# Phase II Timeline



# Phase 2 Schedule: Key Activities by Month



# City Tasks for EBCE's Critical Municipal Facility Program

City support is needed for coordination & communication with departments/facilities and City Council. Typical structure is one City staff member responsible for:



## **Outreach to departments/facilities for data + input based on EBCE requests**

### **Tasks:**

- Input on facilities of/not of interest
- Requests for facility plans and upcoming facility improvements
- Review of EBCE PPA agreement
- Updates to depts on independent engineer findings



## **Coordination of scheduling site walks by EBCE independent engineers**

### **Tasks:**

- ID facility contact for site tours
- Assist EBCE in coordinating times for site walks



## **City Council Communication & Resolution(s)**

### **Tasks:**

- Coordinate request to City Council for resolution to participate in program
- Coordinate request to Council for final approval of contract after RFO

# Potential Emeryville Candidate Facilities

## Facilities Identified in Previous Work

- Civic Center and Addition
- Veteran's Memorial / Senior Center
- 22 facilities >7,500 kwh/yr
  - 2 with existing solar
  - 2 redevelopment sites

## What else should be considered:

- City priority facilities
- Neighborhoods / community needs
- Facility types
- Operational needs
- Senior Ctr: 4321 Salem
- 4300 San Pablo Ave—will set up a call with the planner

# THANK YOU

FELIZ VENTURA  
FVENTURA@EBCE.ORG

