



# Energy Resilient Public Facilities Program Update

PRESENTED BY: Local Development

DATE: May 2021

# Energy Resilient Public Facilities: Project Review

## Background:

May 2019

- EBCE awarded a \$300k Air District grant to:
  - assess solar + storage potential at public critical facilities in Alameda and San Mateo counties (PCE partner)
  - develop / implement procurement pathway for system deployment to enhance community resilience in time of emergency
- EBCE/PCE cities provided 500 facilities for review from existing lists
- Arup (contractor) completed initial site analysis
- EBCE/PCE reviewed results with cities, narrowed portfolio of sites

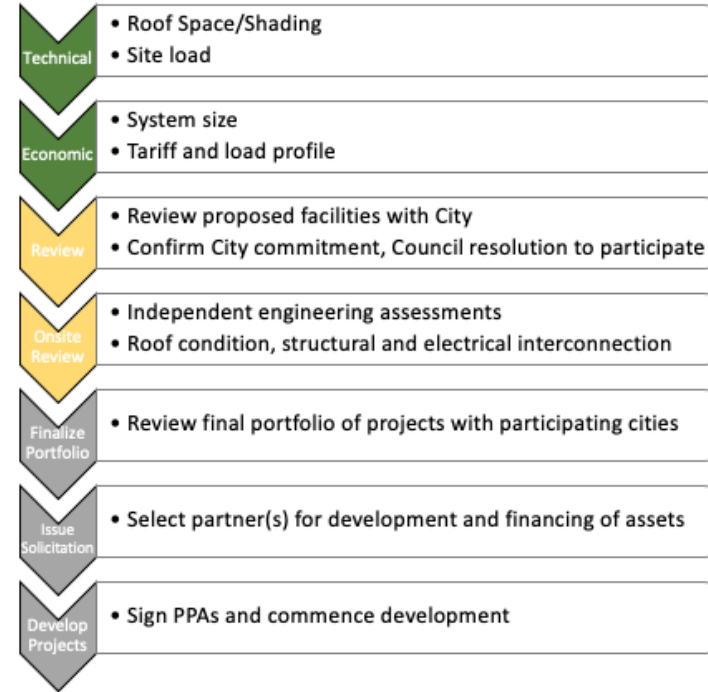
2020/21

- Arup completed in-depth evaluation of remaining facilities across both CCA service areas (system sizing)
- EBCE/PCE issued joint RFI to determine how best to accelerate project development on behalf of cities
- EBCE developed procurement strategy based on industry RFI feedback
- Reviewed next steps with City staff at Technical Advisory Group meetings re: EBCE's phased project development approach

# EBCE Procurement Process

- Staff has reviewed previous regional solar procurement efforts to determine a path that can deploy solar and storage systems successfully
- The RFI provided clear guidance on how EBCE can provide value:

Issue	Resolution
Confirm facility eligibility	Pre-design + Site Assessment
Reduce legal costs	Standardize EBCE/City PPA
Confirm City commitment	City Resolutions to participate
Centralize Procurement	EBCE role as procurement lead for Cities



# EBCE Development Strategy

- EBCE is phasing this approach to ensure projects can be deployed at scale / confirm the procurement pathway
  - EBCE has selected a public procurement process to expedite contacting with Cities
  - The portfolio will be cost effective for each City, which meant adding some solar only sites to ensure cost effectiveness
  - **The cost of solar and storage will not exceed existing electricity costs and the City will also be able to deliver resilience services to residents in time of emergency**
    - sheltering, family reunification, food distribution, public community services, etc.
- Phase 1 includes Berkeley, Fremont, Hayward & San Leandro
  - Initial public facilities include wide range of community Service types and over \$11M in projects.
- Additional cities will be included in subsequent Phases
- FY'21 budget includes funding for new community facility assessments

Type	Count of Type
Airport	1
City Fleet Yard	3
City Hall	2
City Park	2
Emergency Center	1
Fire Station	15
Food Bank	1
Library	4
Parking Lot	2
Police Station	3
Water Treatment Plant	1
Community Center	9
<b>Grand Total</b>	<b>44</b>

Estimated Phase I Project Totals	
Total Solar (kW)	5,062
Total Storage (kWh)	3,342
Total Project Cost (\$M)	\$ 11.6