

# Doolittle Solar Update

November 14, 2019  
Alameda Municipal Power,  
A Department of the City of Alameda

# Overview

- Project Overview
- Local Impacts
- Next Steps

# Alameda Municipal Power (AMP)

- High visibility renewable project in our community will reaffirm the City's commitment to its climate goals
- AMP's Strategic Plan
  - AMP will deliver and maintain 100 percent carbon-neutral energy resources by 2020 and beyond.
  - Evaluate local solar resources.
- City's Climate Action and Resiliency Plan
  - AMP's 100% zero carbon pledge is central to many proposals within the plan to reduce emissions.

# System Overview

- System Design, Capacity and Output
  - Fixed-tilt, ballasted panels
  - Estimated 2 MW (AC)\* capacity
  - Approximately 4 GWh\*\* output in Year 1, ~ 1% of load



\*Megawatt  
(Alternating current)

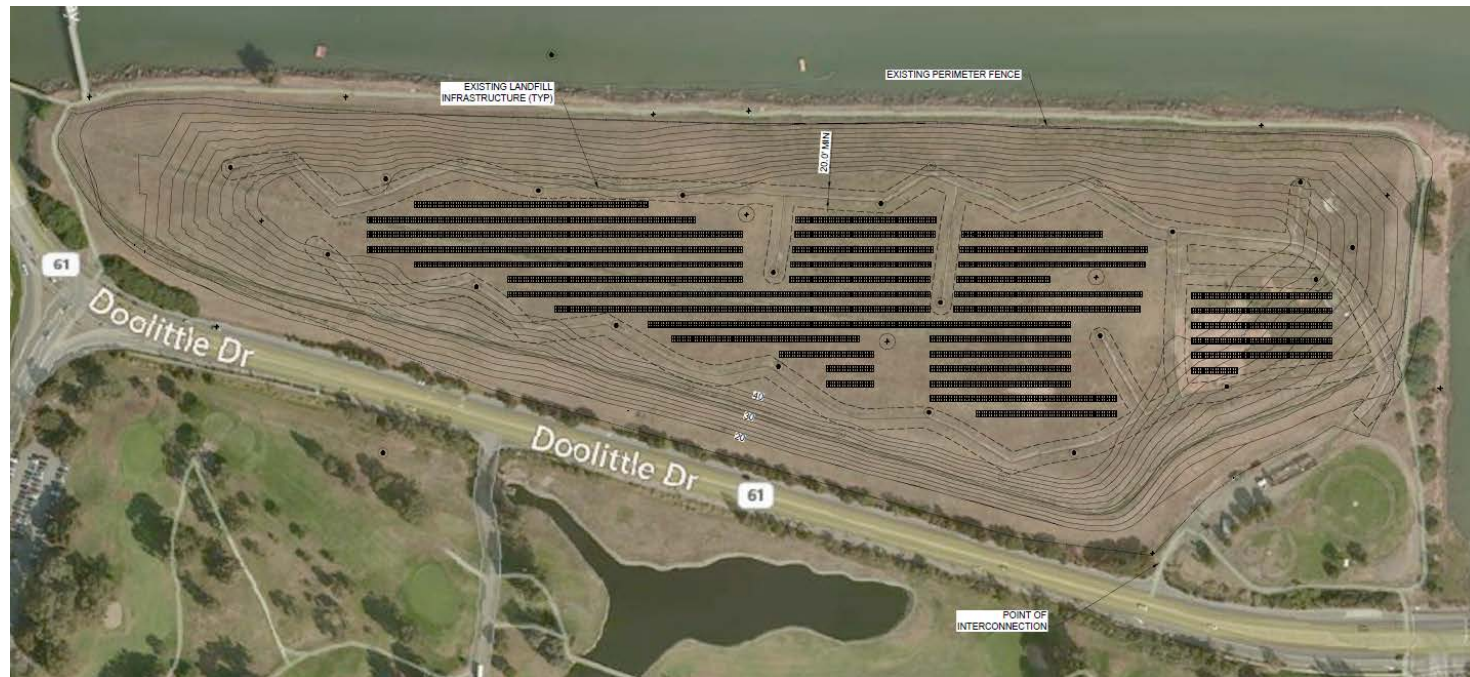
\*\*Gigawatt hour

# Doolittle Landfill Description

- Doolittle Landfill, 'Mt. Trashmore'
  - 40 acres, 11 acres usable area for solar panels
  - Sealed in 1985
- Land use
  - City owned, zoned M-2 and designated as Open Space in General Plan
  - City does not have plans to develop land until gas extraction ends, ~10 – 15 years.
  - Additionally the City requires ~\$10M to develop the land into an open space park

# Proposed Site Layout

- Possible panel layout on flat land over landfill crest
  - Typical landfill solar panel installations use cement blocks on land surface to avoid penetrating ground



# Local Impacts

- The solar installation will make use of the fenced-in area atop Doolittle Landfill and will not restrict bike trail or model airplane field access.
- \$1 million dollars in fair market lease value, at Council's discretion, will go towards upgrades for the surrounding bike trail and a fund to remediate the area so a park can ultimately be developed.
- \$200,000 up front to renovate the bike trail around Doolittle Landfill with \$40,000/year annual rent payments that will go to a remediation fund for the final park.



# Environmental Reviews

- The site is under the jurisdiction of a number of regulatory bodies who will need to review and approve the design before construction can begin.
- An environmental CEQA study will be released for public comment and will be reviewed at an upcoming Planning Board meeting.



# Future Open Space Park

- Alameda Municipal Power is seeking a 20 year lease with a non-automatic 5-year extension if the City is not ready to construct the park.
- At the end of this lease, the site will be brought back to present conditions.

# Next Steps

This project will continue to move through various approval stages over the coming months:

- Planning Board – Use Permit/CEQA
- Public Utilities Board
- City Council

# Contact Information

Questions and comments?

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