Aramis Renewable Energy Project

September 2020

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Aramis Project At a Glance

100MW
of clean, local, reliable power

400
living-wage, all union jobs

188,000
metric tons of CO_2 offset

25,000
homes powered annually

Intersect Power: Bay Area small business proud to be developing a clean energy project right here in Alameda County to benefit current and future generations of Bay Area citizens

Approach to Site Selection: find locations with impaired soils that lack habitat for sensitive plants and animals, and which are adjacent to grid connection points so new large power lines aren't needed

Critical Next Step: work closely with the community, key stakeholders, and the planning department to identify appropriate design and mitigation strategies to address any concerns

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A 21ˢᵗ Century Project We Can be Proud Of

Community Hiking Trail

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Homegrown Environmental Justice

■ Decarbonizing and electrifying our grid will result in **direct health benefits for Bay Area low-income residents and residents of color**, who are the community members who suffer the worst air quality associated health outcomes

■ Green jobs are a critical part of our energy transition, and Aramis will create up to **400 living-wage jobs**; partnering with Oakland's Zero Net Energy Center, we are helping train a new generation of solar installers

■ Partnering with Tipping Point to fund and install **$250,000** in rooftop solar systems for **10 local non-profit orgs**, reducing energy costs for the organizations serving the Bay Area's most vulnerable populations

Photo courtesy of SF Dept of Environment

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Other Community Partnerships

Labor Agreement & Other Benefits

- PLA executed February 2018 w/ 5 local trades
- The 5 unions represent over <u>10,000 members</u> living in Alameda and Contra Costa Counties
  - IBEW Local 595
  - Operating Engineers Local 3
  - Laborers Local 304
  - Ironworkers Local 378
  - Carpenters Local 713
- Estimated <u>400 local construction jobs</u>
- Local sales tax revenue: **$1.5M** to Alameda Co in 2021-2022
- Property tax revenue: **$200k increase** per year
- Local procurement: **$7.5M** in 2021-2022
  - Gravel, civil work, portable toilets, fencing, gasoline, diesel, etc.
- Indirect/induced local economic benefits: **$22.5M** in 2021 and beyond
  - Hotels, restaurants, etc.

A Perfect Site is a Needle in a Haystack

TOPOGRAPHY
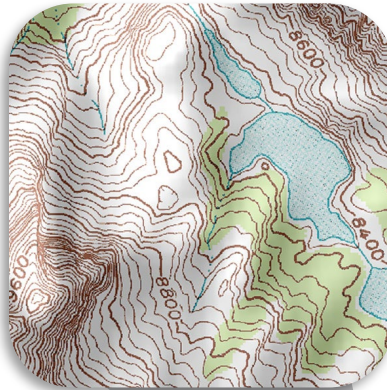
TRANSMISSION CAPACITY AND INTERCONNECTION COST
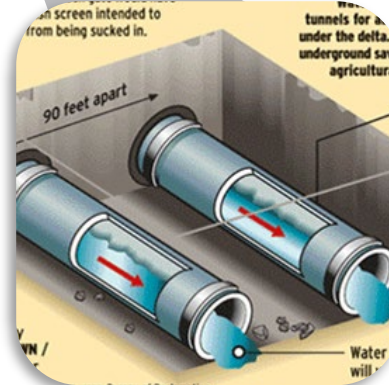
PRIME AG / WMS ACT / PERMANENT CROP

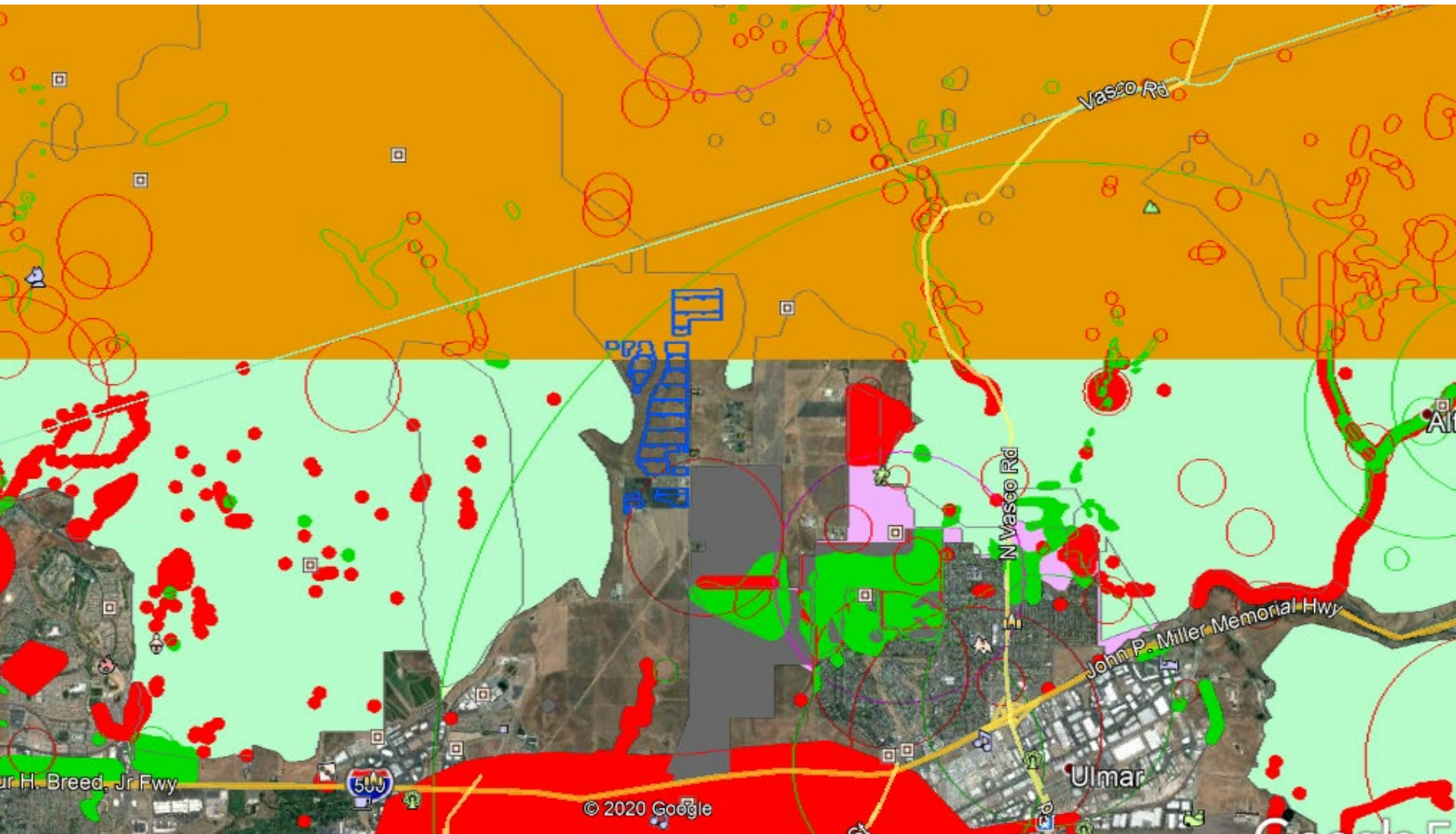HYDROLOGY / WETLANDS

PROTECTED SPECIES
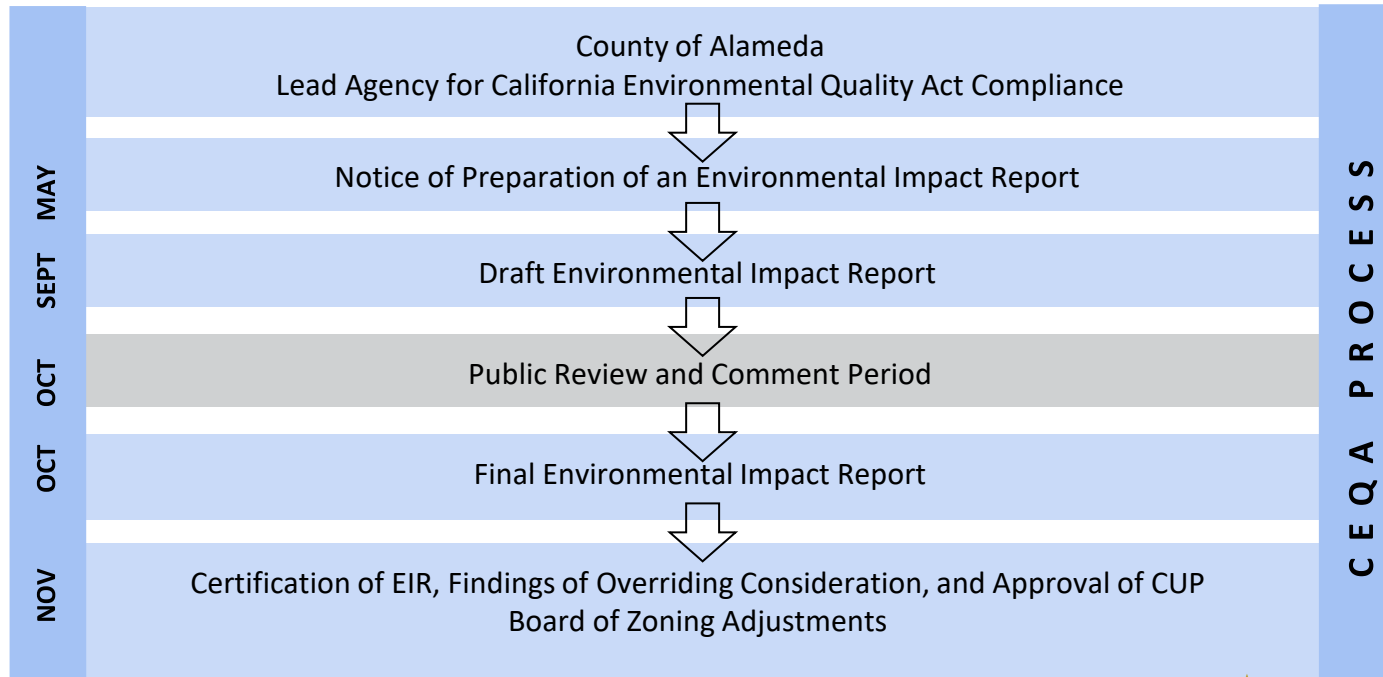
SUBSURFACE MINERALS

PUBLIC PROJECTS

LAND PRICE

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Constraints Abound

Environmental Permitting Process

CEQA PROCESS

County of Alameda
Lead Agency for California Environmental Quality Act Compliance

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Notice of Preparation of an Environmental Impact Report

↓

Draft Environmental Impact Report

↓

Public Review and Comment Period

↓

Final Environmental Impact Report

↓

Certification of EIR, Findings of Overriding Consideration, and Approval of CUP
Board of Zoning Adjustments

MAY
SEPT
OCT
OCT
NOV

Your organization here!

EAST BAY LEADERSHIP COUNCIL

Livermore Valley CHAMBER of COMMERCE

CleanPowerSF

SIERRA CLUB

sola bee

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Habitat Enhancement Measures

- **Enhanced raptor habitat** - maintenance of raptor-friendly vegetation optimized for rodent predation
    - Studies from 2013 and 2018 demonstrate that raptors forage within appropriately managed solar arrays at higher rates than adjacent agricultural lands
- **Enhanced wildlife habitat** - removal of annual disking, elimination of weed populations, maintenance of on-site vegetation within the arrays
- **Funding of residual habitat study** - contributing toward scientific understanding of the potential for well-managed solar arrays to enhance sensitive species habitat converted from higher-intensity agricultural uses
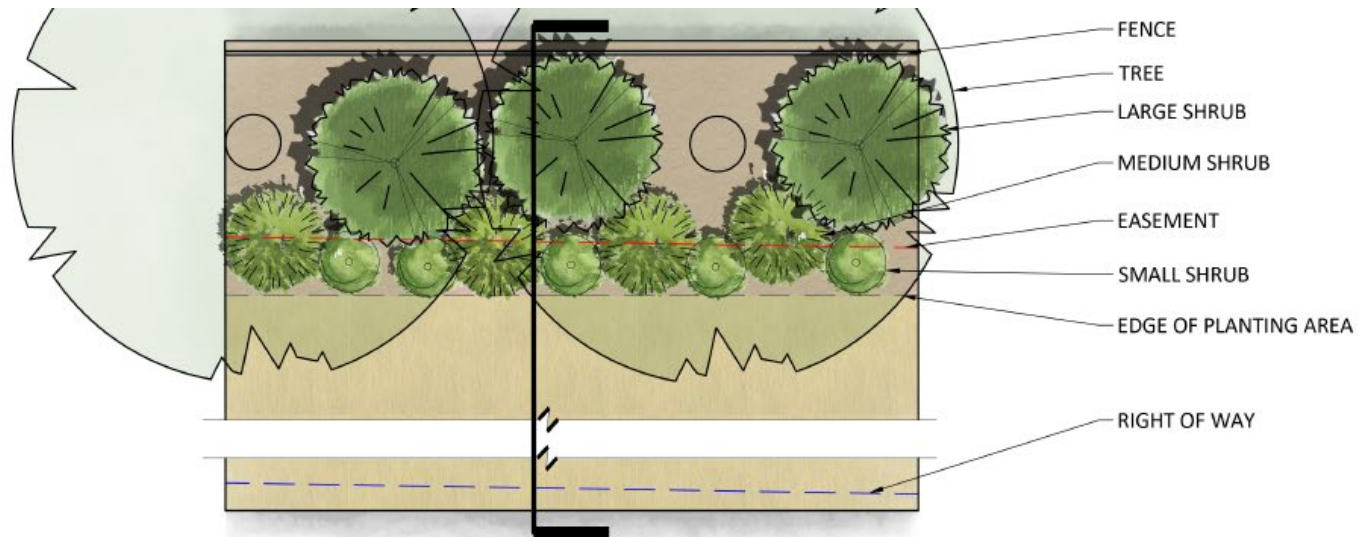
Great horned owl foraging amongst solar arrays in Kings County
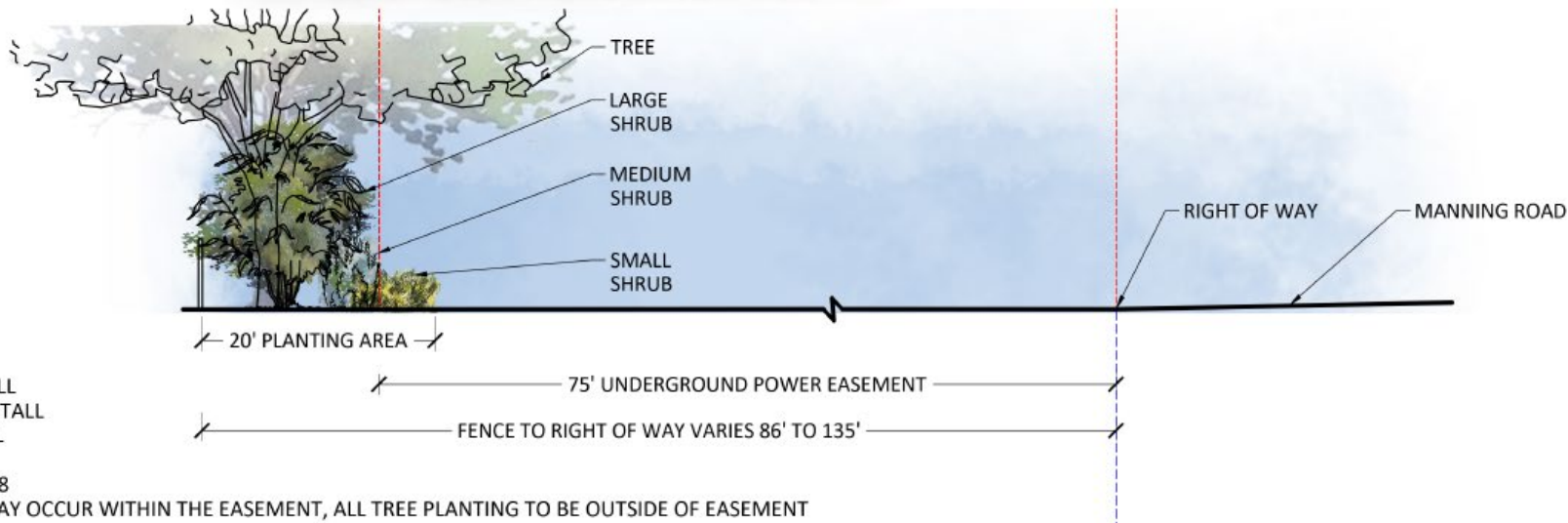
Open Space Protection Measures

- Only 410 acres of the 677-acre site will be developed with solar
- Preserving 267 acres of open space, including mature riparian vegetation
- Setbacks from Cayetano Creek and its floodplain
- No removal of onsite oaks or other trees
- Proposed low-profile agricultural fence on roadway frontages
- Proposed landscaping to screen the facility from public and private views
- Dedication of hiking trail along Cayetano Creek
- Sheep grazing and honeybee foraging within the arrays

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Pollinator-friendly Landscaping Plan

AREA 3 PLAN

FENCE
TREE
LARGE SHRUB
MEDIUM SHRUB
EASEMENT
SMALL SHRUB
EDGE OF PLANTING AREA
RIGHT OF WAY

AREA 3 SECTION

TREE
LARGE SHRUB
MEDIUM SHRUB
SMALL SHRUB
RIGHT OF WAY
MANNING ROAD

20' PLANTING AREA

75' UNDERGROUND POWER EASEMENT

FENCE TO RIGHT OF WAY VARIES 86' TO 135'

- TALL SHRUBS: 10-15' TALL
- MEDIUM SHRUBS: 5-10' TALL
- SMALL SHRUBS: <5' TALL

* FOR PLANT LIST SEE SHEET 8
* SOME SHRUB PLANTING MAY OCCUR WITHIN THE EASEMENT, ALL TREE PLANTING TO BE OUTSIDE OF EASEMENT

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Aramis will be Completely Screened

ARAMIS SOLAR
ALAMEDA COUNTY, CALIFORNIA
CLIENT | 18-130
DATE 8 | 21 | 20

MID-DAY VIEW LOOKING
NORTHEAST FROM MAY SCHOOL RD &
LIVERMORE AVENUE INTERSECTION

URBAN ARENA

Aramis from Los Vaqueros Watershed

ARAMIS SOLAR
ALAMEDA COUNTY, CALIFORNIA

SIMULATED MID-DAY VIEW
LOOKING SOUTHWEST FROM
LOS VAQUEROS WATERSHED

URBAN ARENA

www.intersectpower.com/projects