



Aramis Solar & Storage RA Contract Approval

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Intersect Power & Aramis Solar + Storage

- Staff is seeking approval of a resolution authorizing the CEO to execute a 10-year local Resource Adequacy purchase from a 100MW Alameda County Solar and Storage Project (“Aramis project”) with Intersect as the developer.
- Intersect Power is a clean infrastructure company based in the Bay Area focusing on bringing low-carbon energy and infrastructure solutions to its customers in California. Their pipeline includes 3 GWDC of solar assets across California and Texas in various stages of development.
- The Aramis Solar & Storage Project is a 100MW solar plus 100MW/4hr duration storage project based in the North Livermore community at the Intersection of North Livermore Avenue and Manning Road.
- EBCE has negotiated a 10-year contract for approximately 20MW of local Greater Bay Area Resource Adequacy from the project.



Aramis Solar + Storage Project Highlights

- The Aramis project was submitted into EBCE's 2018 California Renewable Energy RFP and staff has been in discussions with Intersect since that time.
- CleanPowerSF will likely be a significant off-taker of the project as well.
- The project is expected to begin construction in 2023.
- The Aramis project is expected to begin to provide local Greater Bay Area Resource Adequacy to EBCE starting in April 2024 through December 2033 for a period of 10 years. The quantity will range from 14MW to 23MW and average approximately 20MW.



100MW

of clean, local,
reliable power



400

living-wage, all
union jobs



188,000

metric tons of CO₂
offset



25,000

homes powered
annually

Labor Agreement & Other Benefits

- PLA executed February 2018 w/ 5 local construction crafts.
- The 5 unions represent over 10,000 members living in Alameda and Contra Costa Counties:
 - IBEW Local 595
 - Operating Engineers Local 3
 - Laborers Local 304
 - Ironworkers Local 378
 - Carpenters Local 713
- Estimated **400** local construction jobs, Intersect's goal is to hire 100% of those jobs from Alameda County.
- 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 from hotels, restaurants, etc.



Community Benefits

- 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.
- Intersect is committing to dedicating land for a public hiking trail to provide opportunities for STEM and outdoor education.

Community Partnerships



↑ **\$105k in donations committed by EOY** ↑



↑ **Aramis Key Project Supporters** ↑

Aramis Solar & Storage Project cont'd

- The project is seeking permitting approvals from the County during the fall/winter of 2020.
- Through the RFP and subsequent discussions, EBCE has evaluated the project from an energy product perspective and related to development and delivery risk.
- Staff evaluates permitting risk in terms of ability to deliver energy products and comply with negotiated PPAs. Obtaining all necessary permits is a requirement under the agreement.
- Thorough environmental review is completed by the local government and authorities having jurisdiction in the formal permitting approval process.
- Support letters for this project have been received from:
 - Sierra Club
 - NRDC
 - IBEW
 - Zero Net Energy Center
 - Livermore Valley Chamber of Commerce
 - East Bay Leadership Council



Conclusion

- EBCE has signed over 650MW of new renewable generation and storage projects in CA. This includes over 100MW of projects located within Alameda County.
- The Aramis project is unique because it is one of the largest renewable energy projects in Alameda County and Northern California and due to the significant battery storage that the project includes.
- The California Public Utilities Commission (CPUC) and the California Independent System Operator (CAISO) are forecasting capacity constraints over the coming years.
- Staff is recommending approval of this 10-year contract, which is competitively priced and will provide necessary local Resource Adequacy to our portfolio.
- This transaction reflects EBCE's commitment to supporting new renewable energy projects in CA and Alameda County and creating local jobs.

The Aramis Solar + Storage Project

www.intersectpower.com/projects