

SILICON VALLEY CLEAN ENERGY AUTHORITY

RESOLUTION NO. 2025-11

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SILICON VALLEY CLEAN ENERGY AUTHORITY AUTHORIZING THE CHIEF EXECUTIVE OFFICER TO NEGOTIATE AND EXECUTE A MAIN SERVICES AGREEMENT WITH LUNAR ENERGY FOR A DISTRIBUTED ENERGY RESOURCE MANAGEMENT SYSTEM (DERMS) AND RELATED SERVICES

THE BOARD OF DIRECTORS OF THE SILICON VALLEY CLEAN ENERGY AUTHORITY HEREBY RESOLVES AS FOLLOWS:

WHEREAS, the Silicon Valley Clean Energy Authority ("SVCE") was formed on March 31, 2016, pursuant to a Joint Powers Agreement to study, promote, develop, conduct, operate, and manage energy programs in Santa Clara County; and

WHEREAS, on April 1, 2017 Silicon Valley Clean Energy began offering service to residents and businesses throughout Santa Clara County; and

WHEREAS, Silicon Valley Clean Energy's mission is to reduce dependence on fossil fuels by providing carbon free, affordable, and reliable electricity and innovative programs for the SVCE community; and

WHEREAS, increased penetration of solar and other renewables on the California grid has made energy and capacity costs highly dynamic hour to hour, and seasonally; and

WHEREAS, significant load growth is anticipated over the next 10-20 years, from electrification of buildings and transportation; and

WHEREAS, major cost and GHG impacts will result if load growth drives new usage peaks requiring significant new distribution infrastructure and fossil fuel-based generation; and

WHEREAS, new loads from electrification are growing rapidly in SVCE's service area and are increasingly 'smart', capable of receiving grid status and pricing signals to optimize usage for the benefit of the customer and the grid while reducing compliance obligations and supply costs for SVCE; and

WHEREAS, SVCE's goal is to provide all customers with the ability to earn savings, by easily, automatically and comfortably flexing their electricity use daily, contributing to a reliable and clean grid, and generating operational value for SVCE; and

WHEREAS, SVCE plans to develop customer programs for demand flexibility, integrating customer devices such as batteries and heat pumps with an SVCE-hosted Distributed Energy Management System (DERMS), needed to optimize usage for customer savings and grid benefits; and

WHEREAS, SVCE issued an RFP in the fall of 2024 for Customer Demand Flexibility Services, including a DERMS software platform, recruitment and management of demand flexibility

capacity from existing resources in SVCE’s service area, and support of new SVCE demand flexibility programs; and

WHEREAS, SVCE received seventeen RFP responses, and selected Lunar Energy for their DERMs platform and related demand flexibility services, based on Lunar’s proven expertise, technical capabilities, and fit with SVCE’s requirements; and

WHEREAS, SVCE wishes to establish a five-year contract with Lunar Energy for an amount not-to-exceed \$971,238 for Lunar’s DERMS platform, support services for integration of customer devices from existing SVCE decarbonization programs, establishment of an enabling agreement for load modification capacity from existing batteries in SVCE’s service area, and design of a new battery program; and

WHEREAS, there will be no incremental fiscal impact on SVCE’s budget for the proposed contract with Lunar Energy, as sufficient funding can be allocated from funds already authorized for expenditure on programs; and

WHEREAS, potential future budget requests associated with Lunar Energy and demand flexibility, e.g., a load modification capacity contract, or battery incentive program implementation, will be brought for approval to the SVCE Board of Directors as needed, at a later date.

NOW THEREFORE, the Board of Directors of the Silicon Valley Clean Energy Authority does hereby resolve that:

- 1. The foregoing recitals are true and correct.
- 2. The Board of Directors hereby approves and adopts the recommendation to authorize the CEO to negotiate and execute a five-year Main Services Agreement with Lunar Energy for a Distributed Energy Resource Management System (DERMS) to support services for integration of customer devices from existing SVCE decarbonization programs, establish of an enabling agreement for load modification capacity from existing batteries in SVCE’s service area, and design of a new battery program; for an amount not-to-exceed \$971,238; and to execute all scopes of work needed to implement the contract.

ADOPTED and APPROVED this 14th day of May, 2025 by the following vote:

JURISDICTION	NAME	AYE	NO	ABSTAIN	ABSENT
City of Campbell	Director Scozzola	✓			
City of Cupertino	Director Fruen	✓			
City of Gilroy	Director Hilton				✓
City of Los Altos	Director Meadows	✓			
Town of Los Altos Hills	Director Tyson	✓			
Town of Los Gatos	Alternate Director Ristow				✓
City of Milpitas	Director Barbadillo				✓
JURISDICTION	NAME	AYE	NO	ABSTAIN	ABSENT

City of Monte Sereno	Director Mekechuk	✓			
City of Morgan Hill	Director Martinez Beltran				✓
City of Mountain View	Director Showalter	✓			
County of Santa Clara	Director Lee	✓			
City of Saratoga	Director Walia	✓			
City of Sunnyvale	Director Klein	✓			

Signed by:
George Tyson
5266150181026460

Chair

ATTEST:

DocuSigned by:
Andrea Pigano
8BC360ACEA84B71

Clerk