

COUNTY RECORDER

Filing Requested by:

Yolo County Community Services

Name

292 West Beamer Street

Address

Woodland, CA 95695

City, State, Zip

Attention: Jeff Anderson, Senior Planner

Filed in County Clerk's Office

Jesse Salinas
Yolo County - Clerk/Recorder

57-03272024-030

03/27/2024

FISH

Pages: 2

Fee: \$ 50.00

By mpelayo, Deputy



Notice of Exemption

To: Yolo County Clerk-Recorder
625 Court Street
Woodland, CA 95695

To: Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

Project Title: ZF# 2024-007 Noon Energy CEC Grant Project at PVUSA

Applicant: Noon Energy
Banu Aksoy, COO
38 Bishop Lane
Menlo Park, CA 94025

Property Owner: City of Davis
23 Russell Boulevard
Davis, CA 95616

Project Location: Subject property is located on an approximately 186-acre agriculturally zoned parcel at 24662 County Road 102 (APN: 042-110-030), north of the City of Davis, in the unincorporated area of Yolo County.

Project Description: The proposed project aims to demonstrate, validate, and accelerate the commercialization of a novel, safe, and reversible solid oxide battery energy storage system. The system, developed by Noon Energy in collaboration with Electric Power Research Institute and PVUSA, would provide 100 kW / 10 MWh (100 hours) of low-cost, long-duration energy storage (LDES). The project would be installed at the existing PVUSA site and would include the placement of a single, 40-ft long shipping container (approximately 400 sf) that would house the proposed 100 kW / 10 MWh system. During charging operation, the system would use electrolysis to convert low-cost, non-metal oxide chemicals into storage chemicals. The storage chemicals would then be retained in a storage tank, while a small amount of O₂ would be vented to the atmosphere. During discharge, the process would be reversed, converting stored chemical media plus O₂ from the atmosphere into the original oxide chemical, which would be stored in the discharge tank. The system contains no hazardous chemicals or materials, and would not require water, generate wastewater, or require new utility connections. The system would be test-operated for a period of approximately 18 months to prove its effectiveness and validate operation and cost parameters, and would then be removed from the project site.

Project construction would be limited to the placement of a gravel at grade, sufficient to support a 40-ft long shipping container, or equivalent, mounted on top of a semi-truck trailer chassis. The battery system would connect to an existing electrical connection located immediately north of the proposed gravel pad area. Existing internal access roads would be sufficient to support the proposed use. The project site is located within the FEMA-defined 100-year floodplain (Zone A), but the system would be elevated at least one-foot above the base flood elevation.

Exempt Status:

Categorical Exemption "15303" Class 3, New Construction or Conversion of Small Structures
Categorical Exemption "15306" Class 6, Information Collection

Reasons why project is exempt:

§ 15303, Class 3, consists of construction and location of limited numbers of new, small facilities or structures; installation of small new equipment and facilities in small structures; and the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure.

§ 15306, Class 6, consists of basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource. These may be strictly for information gathering purposes, or as part of a study leading to an action which a public agency has not yet approved, adopted or funded.

The project includes the placement of gravel to create a pad to house a ±400sf container mounted on a semi-truck trailer chassis for a temporary basis. The container and all ancillary equipment will remain onsite for approximately 18 months and will be then be removed from the property. The project is part of a research project to demonstrate, validate, and accelerate the commercialization of a novel, safe, and reversible solid oxide battery energy storage system. The project is located at the existing PVUSA site, a research/demonstration facility that houses similar solar arrays and related infrastructure.

Lead Agency Contact Person: Jeff Anderson, Senior Planner **Telephone Number:** (530) 666-8043

Signature (Public Agency):  Date: 03/25/24

Date received for filing at OPR:

