School Buses That Do More: Leveraging Electric School Buses for Resilience and Energy Savings

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Nuvve RESCHOOL: Resilient Energy Solutions for Schools Project

When: 2024-2027

What: CEC grant-funded project to demonstrate **a Vehicle-to-Grid (V2G) integrated microgrid**

Where: 2 Southern California school district sites

Why: Provide energy savings and backup power to critical school infrastructure using electric school buses

How: Installation of up to 3 new V2G chargers and a stationary battery for **backup power** and **demand response**

Nuvve & The Climate Center Partner on RESCHOOL To Demonstrate Resilience Hubs

RESCHOOL: first of its kind testbed for the Resilience Hub concept

- Centers that enhance a community's capacity to adapt to climate change and power outages
- **Resilience benefits** of Porterville project are **unique** compared to other V2G projects

Electric school bus batteries paired with distributed solar + storage can displace the need for **fossil fuel backup generation**

Porterville Cold Storage Facility

What’s Needed for a V2G Resilience Hub?

Collaboration will identify other schools sites that could serve as Resilience Hubs based on two key criteria:

- **Electrical feasibility** – Sites should be suitable for installing backup power systems
- **Community readiness** – The location should have space and accessibility for community use during emergencies (e.g., powering medical equipment, AC, phone charging, etc.)