

Empowering Colleges with Local Sustainable Power Plants



Lorem ipsum

Community College

' The Chabot College district has been working with Gridscape for 18 months now. At every step of in the process, our expectations have been met with positive results. I fully recommend Gridscape to those looking to implement solar microgrids.'

- Owen Letcher, VC, Faculties, Bond Programs & Operations. Chabot College

GRIDSCAPE
www.grid-scape.com

Gridscape, is at the forefront of campus sustainability revolution. With projects like Chabot College and San Jose City College, Gridscape is transforming campuses into resilient, green energy hubs. Their approach integrates solar power, energy storage, and smart controls to optimize energy usage. This aligns perfectly with California's clean energy goals and positions colleges as trailblazers in sustainable practices.

The California Context:

California's dedication to renewables makes it a prime landscape for microgrid integration on college campuses. With ambitious clean energy objectives, educational institutions are motivated to adopt microgrids. These campuses aim to shrink their carbon footprint, save cost and maintain power even during grid outages, like PSPS events.

Microgrids for campuses:

1. Achieving climate action goal
2. Energy and cost savings
3. Resilience and grid reliability
4. Increased renewable generation
5. EV charging infrastructure
6. Workforce development
7. Training
8. Educational opportunities

Benefits of a local sustainable power plant (microgrid) for campuses:

- 1. Realise the climate action plan:** On-campus solar energy solutions can help campuses to shift to 100 % green.
- 2. Savings:** Cost of electricity has risen considerably over the past few years. They have been the primary victims of these price hikes and microgrids can help considerably with savings.
- 3. Achieve environmental stewardship practises.**
- 4. Work force development & green jobs training:** Campuses can build partnerships with local communities and can help create clean energy jobs.
- 5. Increased resiliency:** Microgrids can provide resiliency during outages.

Reliable. Resilient. Renewable. ROI

Microgrids: Powering a Sustainable Future:

Microgrids are dynamic energy ecosystems that combine renewable energy sources, energy storage, and smart controls. They enable campuses to produce, store, and manage their energy efficiently, reducing dependency on the grid and fossil fuels. Microgrids enhance energy reliability during grid outages, making them essential for critical facilities like classrooms, laboratories, and emergency services.



- EnergyScope™ Dashboards*
- Load Management & Analysis
 - Renewable Self Consumption
 - Demand Charge Mgmt
 - Demand Response
 - OCPP Charger Management
 - Public EV Driver Payment Mgmt
 - Battery Life Performance
 - Extensive Reporting



Chabot College

Chabot College, nestled in the heart of California, stands as a prime example of how microgrids can reshape campus energy dynamics. Supported by a California Energy Commission grant, the project enhances power resilience across 25 campus buildings. It integrates 3 MWh energy storage, remote operable switches, utility links, and 10 EV charging stations. An existing 1MW solar array will also connect to the microgrid.

- Savings : approx. \$205,378 annual energy costs
- Estimated \$348,882 value of resiliency (VoR).
- 847 MT GHG offset annually.
- Peak demand reduction for added cost savings.

San Jose City College

Gridscape is in the process of designing a campus wide microgrid project, that includes solar, storage, EV chargers, load management and workforce development. This \$8.4M project is funded by Rosemawr LLC. This project includes following technical innovations:

- Integration with Tritium Niagara Building Management System for load control
- V2B EV charging integration with the microgrid.
- Replicable, scalable microgrid design.

About Gridscape

Gridscape, a leading and established name, specializes in creating and implementing future-proof solutions for renewable energy microgrids and fleet charging. These microgrids function as sustainable power plants, reducing reliance on the grid by utilizing local energy sources. With up to 90% independence from the grid, they cut energy costs and provide backup during disruptions. Gridscape's 'Product Centric' microgrid approach, integrated with EV charging, streamlines installation and lowers integration challenges. With 65 microgrids in California, Gridscape partners with notable clients like City of San Diego, EBCE, IWP (Denali), Fremont, SPBMI, and Chabot College.

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