

For more information about SMUD Living Future Project Accelerator or Savings By Design Programs please contact Kathleen Ave at 916-732-5302 or Ray Nalangan at 916-732-5330.

You can also visit <https://www.smud.org/en/Corporate/About-us/Research-and-Development/Living-Future-Project-Accelerator>



Exterior rendering of the demonstration kitchen and educational facility planned at Soil Born Farms. Art rendering by Ellis Architects, Inc.

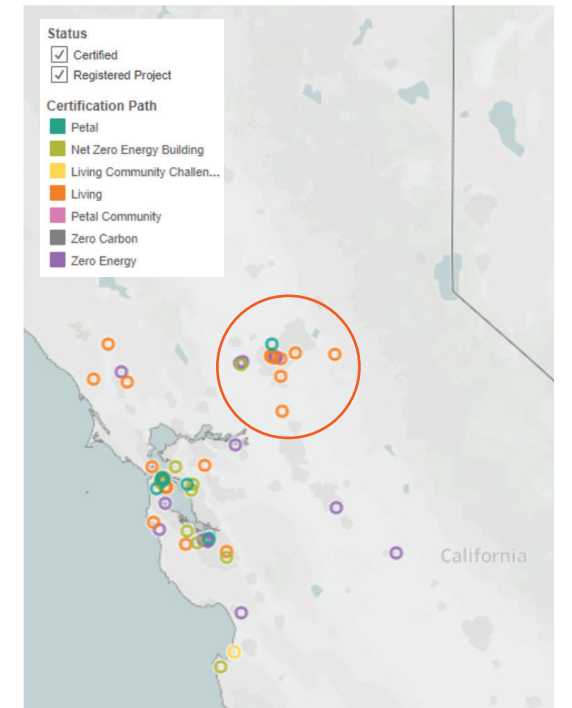


SMUD Living Future Project Accelerator

To encourage the construction of new Living Future projects in its service territory, SMUD launched the first SMUD Living Future Accelerator program in the summer of 2017. In partnership with staff from International Living Future Institute (ILFI) and Arch Nexus, SMUD offered free training sessions, technical support, building tours and, when feasible, focused design charrettes. Funding for registration fees was also provided. In addition, SMUD offered a 10% Savings By Design bonus incentive for projects that registered for one of ILFI's Living Future Challenge programs including the Living Building Challenge (LBC) and Zero Energy (ZE). This pilot program was offered for one year and was very positively received. Multiple innovative developers with a wide range of projects and building types stepped forward to participate and begin the Living Future process.

Results

- 9 New LBC or ZE Projects Registered
- 1 New Living Community Challenge Project Registration
- 4 Large Project Design Charettes Conducted
- 293 Mailing List Signups Requested
- 213 Participants at Training and Building Tours
- 4 Customized Living Future Building Block Summaries Created



SMUD's Accelerator-supported projects created a significant presence on the Living Future project map

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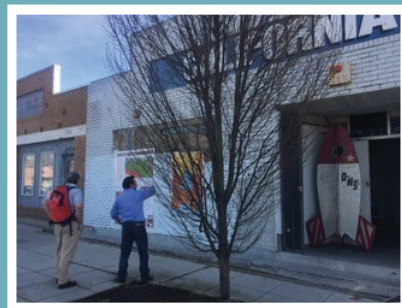
Touring Huston Textile Company



Learning about the Living Building Challenge



Samples of Huston Textile's locally produced fabrics



Visiting the North Sacramento LaunchPad

Project Name	Customer	Project Type	ILFI Registration Type
Sacramento Valley Station Multimodal Transportation Hub and Development Zone	City of Sacramento	Mixed Land Use and Buildings, Developer Lease Sites	Living Community Challenge (LCC)
DPR Sacramento Office	DPR Construction	Office	Zero Energy Petal Certification
Infinity Home	Turner Family	Single Family Residence	LBC 3.1 Living Certification
Castro Street Townhomes	Sacramento Urban Works	Multifamily Mixed Use	Zero Energy Petal Certification
Solar Nest (Solar Decathlon House)	CSUS, California State University, Sacramento	Educational	LBC 3.1 Living Certification
North Sacramento LaunchPad	E3 NorCal	Community Building	LBC 3.1 Petal Certification
American River Ranch	Soil Born Farms	Non-profit/Educational	LBC 3.1 Living Certification
Cosumnes River College Zero Energy Lab	Cosumnes River College	Educational	LBC 3.1 Living Certification
Splash Education Center	Sacramento Splash	Non-profit/Educational	LBC 3.1 Living Certification

Background

The International Living Future Institute (ILFI) Living Building and Living Community Challenges have the potential to significantly transform the built environment, well beyond the progress made by existing green building programs. The Challenges promote regenerative designs that improve the environment and occupant health, instead of just being “less bad” than conventional structures. These buildings can help make ambitious regional and state climate action plans achievable.

ILFI certified buildings are fossil fuel free, all-electric structures with onsite renewable power generation. They support SMUD’s plans for sustainable, distributed power resources and for building electrification. The ILFI certification process requires a year of audited building performance, ensuring that these buildings deliver the results as promised. Growing the market for these buildings will reduce their costs over time, making them feasible for a wider range of building types and accessible to more SMUD customers.

The Sacramento region’s first Living Building — a renovation of the office of architectural firm Arch Nexus — was completed on R Street in downtown Sacramento in 2017. It was the first certified Living Building in California and the first and only Living certified adaptive reuse project in the world. SMUD staff expertise and funding assisted Arch Nexus in this accomplishment, with incentives provided from both Research and Development (R&D) and Savings By Design programs. Boasting a roof full of photovoltaic panels, onsite sewage and water treatment, non-toxic materials and highly efficient systems, the building is groundbreaking in the methods of construction, operation and occupancy. Arch Nexus staff report that demand for building tours is high, with groups of up to 60 people regularly learning from the innovative office space.

