

Visioning for "Domes 2.0" Scope (Draft)

Location: Baggins End, Sustainable Living/Learning Communities (SLLC), UC Davis, California

Organization/Client: Agriculture Sustainability Institute,
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Project Background:

The SLLC “Back 40” is a ~2 acre site in the Orchard Park neighborhood on the UCD campus. To the east of the site is the “The Domes” - an affordable, cooperative housing community of 26-residents, operated by the Solar Community Housing Association (SCHA.) To the south of the site are the ASUCD community gardens. The site is currently leased by SCHA along with the Domes property.



The Sustainable Living Learning Communities (SLLC) are a group of programs on the UC Davis campus linked by geography and centered on shared values of Sustainability, Community, and Experiential Learning opportunities for students. Solar Community Housing Association is a community-supported 501(c)(3) non-profit housing organization that owns and operates affordable cooperative communities in Davis. SCHA is a potential long-term 3rd-party management partner for the new community, which will house students living, learning and working in the SLLC.

Project Problem Statement:

The Agriculture Sustainability Institute (academic home to the SLLC), in collaboration with the Solar Community Housing Association, is interested in designing a second cooperative community in the SLLC. It should have living accommodations for ~30 inhabitants, with a minimum of 2 ADA-compliant units, and include shared living and cooking facilities for the community.

Suggested Project Goals and Objectives:

1. Assess Community Needs

- Conduct a study of the needs and interests of current UCD co-op residents;
- Interview SCHA Staff to develop design criteria;
- Perform prior art on cooperative housing, including the existing Domes and Tri Co-ops
- Consult ADA specialist

2. Produce Site Plan/Inventory

- Compare potential sites within the Back 40, considering ideal solar exposure, connectivity to existing infrastructure, outdoor common space(s) and preservation of existing gardens.

3. Create Conceptual Design

- Include accessible ground floorplans;
- Include shared living and kitchen facilities;
- Include sustainable building elements (i.e. solar & rainwater capture and wastewater recycling.)
- Include landscape design (i.e. paths, shared outdoor facilities, planting zones).