



LEED and PassivHaus Certification

Home Size Reduction Points

The average home size for this proposal is under 900 sf per unit with an average size of 1.2 bedrooms per house. By being clustered, small floor area housing, the Bahia Drive units reduce the required points for certification by between 2.5 and 4.5 points. Other units will garner -1.5 or

A typical PassivHaus will generate 54 LEED credits. PassivHaus has been shown to typically create 19 LEED Energy and Atmosphere Exceptional Energy Performance (EA 1.2) points by surpassing California's low T-24 Energy Code by up to 75% and in combination with Energy Star with its Indoor Air Package. PassivHaus also delivers at least 24 total EA points with advanced lighting and appliance

Using the home size reduction of 4.5 points, and the typical PassivHaus 54 LEED credits, many of the units achieve Silver LEED certification without further measures. However, many other LEED points are available to these units, including those listed

Innovation and Design (ID)

PassivHaus includes integrated project team, design charrette, and solar orientation planning, additional credits can be attained for LEED professional participation, and for durability planning, management, and verification. Innovations can include many of the PassivHaus strategies such as air sealing and thermal break techniques.

Location and Linkages (LL)

Although the site is already chosen, additional points will be attained with proximity to open space, which is accessed via trails through the

Sustainable Sites (SS)

Additional points will be achieved through erosion and storm water controls during and after construction, minimized disturbed invasive plants, no turf, basic landscaping design strategies, drought tolerant plants, minimized irrigation flows, nontoxic pest controls, and compact development

Project can achieve additional points through gray water and rainwater harvesting high-efficiency indoor plumbing fixtures and fittings, high efficiency irrigation system, and

Energy and Atmosphere (EA)

Beyond the deep energy reduction points already achieved through PassivHaus, additional points can be achieved through efficient hot water distribution and pipe insulation.

Materials and Resources (MR)

More points can be achieved through additional material-efficient advanced framing and trusses with energy heels manufactured off-site, and other framing efficiencies, as well as environmentally preferable products (such as cement board siding, recycled content insulation, etc.), and construction waste management

Indoor Environmental Quality (EQ) Beyond the indoor air quality points

achieved for combustion venting. moisture control outdoor air ventilation, local exhaust, distribution of space heating and cooling, and air filtering additional points can be achieved through indoor contaminant control, radon protection in moderate risk areas, and garage pollutant

These points have already been included in the PassivHaus credits