

GREEN SPEAK

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GREEN BUILDING ALLIANCE MEMBER NEWS

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Construction has begun on the Burns house in Santa Paula by **Thompson-Naylor Architects**, **Mike Gones**, civil engineer, **Irving Thomas**, energy designer, and **Allen Associates** general contractors. The exterior walls and roof will be made of structural insulated panels, the flooring will be exposed concrete with radiant hydronic heat, and the roofing will be long-lasting steel. The house is designed for passive solar heating and natural cooling and will incorporate solar electric panels by **Renewable Energy Systems**. Cabinets will be made of wheatboard, countertops of fiber-cement, and interior paints will be zero-VOC.

John D. Kelley, Architect and **Jessica Helgerson Interior Design** are remodeling two houses at Rancho San Augustine in Hollister Ranch. The project began in October with deconstruction, which maximized salvage and minimized waste. Green features will include high performance windows; on-demand water heaters for space and water heating; certified lumber; recycled wood siding; reclaimed wood flooring, beams and cabinetry, and non-toxic interior finishes and materials. A photovoltaic electric system for the ranch is being designed by **Renewable Energy Concepts** and the houses will have drought-tolerant landscaping designed by **Isabelle Greene and Associates**.

Paul Poirier + Michael David Architects have recently completed Christ Presbyterian Church in Santa Barbara which incorporates the following design elements: recycling/reuse of an existing structure, recycled content flooring and carpeting, non toxic finishes, daylighting, water conserving fixtures and energy efficient mechanical systems.

Kent Mixon Architect recently completed a remodel and addition to an existing 1965 Ranch House, in Mission Canyon which included new energy efficient windows throughout, low voltage lighting, new encapsulated formaldehyde free insulation throughout, sensitive placement of windows to maximize views and ventilation, construction of site walls and fireplaces from on site Santa Barbara sand stone, use of Hardipanel exterior siding, durable and fire resistant roofing, and replacement and addition of drought tolerant and native landscape.

Irving Thomas, energy designer, **Mike Gones**, civil engineer, **Allen Associates**, and **Thompson Naylor Architects** have recently completed a remodel of the Santa Barbara house of Representative Lois Capps. The project involved opening up a collection of small rooms into a country kitchen, and adding two bathrooms. It included replacing an old, inefficient heater and windows with energy-efficient ones, installing bamboo flooring and counters, and low-VOC paints.

Dexter's Solar Radiant Energy installed a hydronic radiant heating system and a solar pool heating system on a custom home in Goleta. This 10,000+ square foot green home utilizes recycled timbers, flooring, siding and roofing from 200-year-old barn that was disassembled in Maine. This new residence will be powered by a solar electric grid tie system.

The renovation of the City's Mesa Lane Stairs down to the beach was designed by **Paul Poirier + Michael David Architects** to incorporate recycled content plastic lumber to withstand the harsh marine environment.

Allen Associates has begun constructing the Swift Residence which incorporates the following elements: Passive solar design, Durasol fiber cement blocks, natural lime plasters—interior and exterior, steel framing on trusses and interior walls, Unisol flexible photovoltaic sheets, and a solar water heater.

Kent Mixon Architect recently completed a remodel and addition to an existing 1910 one-bedroom home in Summerland which included new energy efficient windows throughout, new encapsulated formaldehyde free insulation, sensitive placement of windows to maximize views and ventilation but minimize freeway noise, use of Hardipanel exterior siding, light and bright interior colors bounce natural light around the interior, high ceilings to maximize the feeling of openness in this 1500 square foot home.

Work has begun on the Burt Studio by **Allen Associates** which has the following features: Straw bale walls with SIP panel roof system, earthen and lime natural plasters, composting toilet, milled lumber from property for project, recycled content standing seam metal roofing, orientation for passive heating and cooling, and minimal finishes. **Dexter's Solar Radiant Energy Service** is designing a hydronic radiant heating system for the house.

Paul Poirier + Michael David Architects have recently completed the design of a rastra house in the painted cave area, which has exposed concrete floors, photovoltaic electricity generation/ storage and is off the power grid.

Allen Associates has begun the Thayer Remodel which includes: 50% high volume fly ash concrete, radiant floor heating, recycled timbers, low VOC finishes and adhesives, FSC framing lumber, and recycled mission roof tiles.

The Secord Residence is currently being built by **Allen Associates** with the following sustainable features: Two 40 gallon solar Progressive Tube water heaters, radiant floor heating in the bathrooms, bamboo flooring, recycled content structural steel, a lot of engineered lumber, fluorescent fixtures throughout, environmentally-friendly SBS roofing, PV system, bio swale for rain runoff, green cabinets, and refurbishing existing stables.

Kent Mixon Architect is currently working on the complete remodel of an existing 55-year-old residence in Mission Canyon. Some of the green features will included new energy efficient windows throughout, Bamboo flooring, open floor plan design to promote natural ventilation and maximize natural light disbursement, use of Hardipanel exterior siding, use of reclaimed lumber, durable and fire resistant roofing, addition of a solar hot water system and replacement and addition of drought tolerant and native landscape.

Dexter's Solar Radiant Energy Service designed and installed a hydronic radiant heating system in a 5,000 square foot Straw Bale house in the Santa Ynez Valley. This house is powered by a solar electric grid tie system designed and installed by **Renewable Energy Concepts**.

John D. Kelley, Architect is planning the remodel of his home on the Mesa. The project is scheduled to start in April with deconstruction, which will focus on salvaging materials for reuse. The home has been redesigned to incorporate daylighting, natural ventilation and high performance windows. Energy upgrades will include encapsulated fiberglass insulation, on-demand water heating and energy star appliances, as well as a photovoltaic electric system with reverse metering, designed by **Renewable Energy Concepts**. **Jessica Helgerson Interior Design** helped to select interior materials including sustainable bamboo flooring and non-toxic finishes. New landscaping will use drought tolerant plants including many natives.

Work has begun on a major remodel of a house in Mission Canyon by **Thompson-Naylor Architects, Mike Gones**, civil engineer, **Irving Thomas**, energy designer, and **Dexter's Solar Radiant Energy Services**. The project will incorporate new insulation and high-performance windows, passive solar heat, a radiant floor heating system, solar hot water, reused lumber, a gray water system, zero-VOC paints, and solar photovoltaic panels. The owner is acting as general contractor.

The Doug Hall Guest Residence is under construction by **Allen Associates** incorporating: solar water heating with backup tankless water heater, passive solar design, all materials selected for high durability, SIP panels for wall and roof framing, environmentally friendly cement siding, recycled paving for front terrace, drought tolerant and very low maintenance landscaping.

Paul Poirier + Michael David Architects and **Allen Associates** are currently working on an addition and remodel of an existing tract home in the Samarkand area which will be incorporating non toxic interior finishes, on demand water heaters, recycled content interior finishes, greywater system, and natural ventilation.

Dexter's Solar Radiant Energy Service is designing and installing a hydronic radiant heating system that utilizes solar hot water for the primary heat source. This Ferro cement home in the Hollister Ranch will be powered entirely by solar electric.

John D. Kelley, Architect has recently completed two home remodels, one in Goleta and one in San Roque. Both projects included replacing old, inefficient tank-type water heaters with new on-demand water heaters and adding insulation in ceilings and walls for comfort and energy efficiency. Finishes were selected with an emphasis on non-toxic, low environmental impact materials.

Allen Associates is building the Gresser Remodel: warmboard radiant floor heating system, Medite composite board used for all cabinetry and shelving, recycled existing doors into the remodel, and low/zero VOC paints, finishes, and adhesives (\$400K)

Dexter's Solar Radiant Energy Service designed and installed a solar/radiant in deck heating system for a Community Swimming Pool in Ventura. This system incorporates 3,000 feet of radiant tubing installed in a colored concrete deck. Swimming pool water is circulated through tubing in the deck where it pulls the heat from the concrete to heat the pool. This action also results in a cooler deck around the swimming pool.

Kent Mixon Architect and **Allen Associates** are currently working in the planning process of a remodel and addition of an existing Goleta tract home. The owners are hoping to provide for 75%-100% of their energy demands with a roof top photovoltaic array. Some of the green features will include newenergy efficient windows, Bamboo flooring, on demand water system and a high efficiency FAU or hydronic heating.