

Green Home LOCAL ECONOMY



- ❑ Select local businesses and products to keep the local economy healthier, while reducing the effects of transporting goods over long distances on air quality.
- ❑ Support other Built Green members to help perpetuate environmentally-friendly efforts in our region.

Green Home ROOF

Your roof’s ability to effectively shed water, snow and heat dramatically affects your home’s longevity and your comfort.

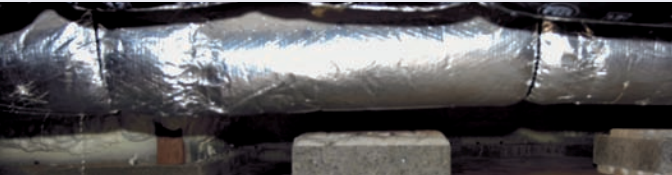
- ❑ Install roofing materials with at least a 25-year warranty such as concrete or clay tile, metal, or asphalt roofing with 30-year warranty.
- ❑ Use roofing materials that allow rainwater collection—metal, tile, and slate provide clean surfaces so that water can be used for irrigation in your landscape.
- ❑ Use FSC- or SFI-certified sustainable wood for plywood, tongue-and-groove boards, oriented strand board and paper fiber, and wood products that do not contain urea formaldehyde.
- ❑ Install a vegetated or planted roof that helps slow and treat stormwater, prevents heat islands, provides insulation and helps preserve the roofing membrane.
- ❑ Use the roof as a power supply for solar hot water and electricity with photovoltaics.
- ❑ Recycle or salvage old materials.
- ❑ Select light-colored roofing to reduce heat island effect.

Green Home ENERGY EFFICIENCY

- ❑ Upgrade insulation in walls, floors and ceilings for improved comfort or use wall systems with integrated insulation such as structural insulated panels (SIPs) or insulated concrete forms (ICFs).
- ❑ Add a renewable energy system such as grid-tied solar panels to generate electricity.
- ❑ Install an on-demand water heater, or wrap existing tank water heater with jacket insulation.
- ❑ Insulate your hot and cold water pipes.
- ❑ Select hydronic, radiant floor heating.
- ❑ Have your home’s ductwork performance tested to help keep out unwanted air from your home’s attic, basement, crawl spaces, and garage.
- ❑ Seal cracks around windows and doors.
- ❑ Seal heating/cooling duct joints with mastic.
- ❑ Use sensors that shut off lights automatically when a room is vacated.
- ❑ Add shading to windows to keep out summer sun to reduce cooling requirements.
- ❑ Install light tubes for daylighting tight spaces.
- ❑ Replace incandescent light bulbs with more efficient fluorescents.
- ❑ Replace old windows with high-performance, Energy Star®-rated windows.
- ❑ Replace energy hog appliances with Energy Star-rated appliances.

Green Home BASEMENT

- ❑ Dry-proof by improving exterior elements such as downspouts, drains, and entry overhangs.
- ❑ If possible, daylight a basement by adding windows or add energy efficient lighting and replace old leaky windows with energy efficient ones.
- ❑ Use translucent materials for stairwells and other walls to let light into spaces.



www.cwhba.org/builtgreen

How To Remodel a Green Home

The Central Washington Built Green Association has a directory of local designers and builders who design and build qualified projects under our Built Green home rating checklist. Please see our website for a current list. If your builder, remodeler, or designer is not yet a member, please encourage them to join the program.

- ❑ Think about your priorities for remodeling and ask your remodeler for the best approaches for your particular goals.
- ❑ Review and/or investigate green options with this green remodeling guide in hand.
- ❑ Remember that this brochure is a shortened list of features that a builder can include in your remodel. Ask your remodeler what’s possible. To see the entire builder checklist visit our website at www.cwhba.org/builtgreen/checklist.html for more ideas.
- ❑ This brief guide is designed to save paper. For Green Remodeling guides from the Department of Ecology, visit www.ecy.wa.gov/programs/swfa/greenbuilding/
- ❑ Ask your remodeler to certify your remodeling project through Built Green.

A Green Remodeled Home Can Be...

- ✓ Phased for construction, one room at a time, so you can more easily budget the green features you want over time.
- ✓ Healthier for your family and the environment.
- ✓ More economical because of energy and water efficiencies.
- ✓ Environmentally responsible because of resource efficiencies and low impact materials.
- ✓ More comfortable and longer lasting.
- ✓ Lower maintenance, easier to clean and protect.



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Sustainable
Building
in Central
Washington

Green Home REMODELING GUIDE



The Central Washington Built Green® rating program was developed by national green home building experts from across the country, based on a national standard and tailored to our local climate and conditions.

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Green Home KITCHEN



- ❑ Choose countertops made from recycled content materials such as ceramic tiles or fiber composites.
- ❑ Install Energy Star® appliances and lighting fixtures.
- ❑ Use low-flow faucets or flow-restrictors can sometimes be retrofitted to existing fixtures.
- ❑ Choose all surfaces for their ability to be cleaned easily with soap and water instead of harsh chemicals.
- ❑ Choose flooring made from hard surfaces such as hardwood, tile or stone that are durable and easier to mop up with soap and water.
- ❑ Install sustainably produced wood for flooring, framing, trim, or cabinetry.
- ❑ Opt for cabinetry made without urea formaldehyde and without high-volatile organic compound (VOC) varnishes, or made with rapidly renewable materials such as strawboard.
- ❑ Select operable windows that will bring in daylighting and natural ventilation.
- ❑ Enhance space for storage of recyclables and compostable materials.
- ❑ Use non-toxic finishes, paints, cleaning products.
- ❑ Go for a dish-drawer dishwasher that can accommodate smaller loads and save water and energy.
- ❑ Refurbish existing cabinets with new doors or countertops if structural parts are in good shape.
- ❑ Install water filtration unit at faucet.

Central Washington Home Builders Association is the parent organization of the Central Washington Built Green Association. The goal is to deliver a credible standard for home construction that reflects the Home Builders Association's commitment to building better communities through environmental responsibility. Except where noted, all photos courtesy of Northwest Property Imaging and Grey Lundberg/CMI Homes, © Northwest Property Imaging.

Green Home ADDITIONS

- ❑ Salvage reusable building materials such as trim, framing, brick, wood flooring and stone.
- ❑ Orient an addition to take advantage of passive solar heating; optimally it would placed on the south side of your home with lots of south-facing windows.
- ❑ Plant shade trees on the east and west sides of the house.
- ❑ Provide shading devices to protect windows against summer sun.
- ❑ Protect the site by keeping the original footprint and adding space above or below.
- ❑ Structural insulated panels (SIPs) for walls or roof.
- ❑ Flooring options could include exposed concrete as finished floor, or sustainable wood, stone or recycled content tile.
- ❑ Don't use carpeting, or use Green Label certified carpeting.
- ❑ During construction, keep a dust barrier between the addition and the main house.
- ❑ Use formaldehyde-free plywood, medium density fiberboard, or particle board.

Green Home WHOLE HOUSE REMODEL

- ❑ Work with your remodeler to salvage reusable building materials such as trim, framing, brick or stone, and wood flooring that can be reused.
- ❑ Choose durable materials such as stone, hardwoods, ceramic tiles or concrete that do not need replacement as often.
- ❑ Install a whole-house cooling fan.
- ❑ Make sure fireplaces are in good order by replacing dampers or installing airtight doors.
- ❑ Install a heat recovery ventilation unit.
- ❑ Install zoned, hydronic radiant heating.
- ❑ Choose a solar water heating system.
- ❑ Read all the other sections of this brochure for more ideas, or review our Green Home Buyer's Guide brochure.
- ❑ Ask your remodeler to store materials in a covered place to limit moisture absorption, and thoroughly dry out the home before sealing all openings to help eliminate potential mold problems.

Green Home EXTERIOR

- ❑ Use siding made from sustainably harvested wood or fiber cement.
- ❑ Install decking made from recycled materials or sustainably produced wood.

Green Home LANDSCAPING & OUTDOOR ROOMS

- ❑ Protect existing trees as assets to your property.
- ❑ Use pervious and permeable pavements that allow rainwater to seep into soil.
- ❑ Plant native, hardy landscapes that are mulched to retain moisture.
- ❑ Use captured rainwater, such as from a rain barrel hooked up to a downspout, for irrigation.
- ❑ Install natural, local materials for walls or other elements.
- ❑ Salvage stone, brick or plants from other sites or projects and reuse.
- ❑ Amend the soil with compost for healthier plants.
- ❑ Ensure all landscape elements such as furniture are made from sustainable materials such as recycled "plastic" lumber or FSC-certified woods.

Green Home FURNISHINGS



Once your remodel is completed, when purchasing furniture opt for items made from natural materials, sustainably produced wood products, and that are assembled with non-toxic products such as foam, stuffing, fabrics and varnishes.

Green Home BEDROOMS



- ❑ Put in operable, energy efficient windows for natural ventilation.
- ❑ Remove carpet and install hard surfaces with area rugs.
- ❑ Use organizing systems without urea formaldehyde.
- ❑ Select bedding linens and mattresses made from all-natural, non-toxic materials.
- ❑ Pick furniture that is made from sustainably produced material such as FSC-certified wood, and fabrics that are natural fiber and naturally-dyed, and cushions stuffed with natural materials such as wool.
- ❑ Paint with low- or no-VOC paints.

Green Home BATH

- ❑ Install low-flow or flow-restricted faucets and showerheads.
- ❑ Replace water hog toilets with dual-flush or low-flow toilets.
- ❑ Paint with low- or no-VOC paints.
- ❑ Use recycled-content glass or ceramic tiles.
- ❑ Replace incandescent lighting with Energy Star lights.
- ❑ Install easily maintained flooring such as hardwood, recycled content tile, linoleum or natural concrete.
- ❑ Use sustainably produced wood for flooring, framing, doors, cabinets or trim.
- ❑ Opt for cabinets that do not contain urea formaldehyde and are finished with non-toxic varnishes.
- ❑ Install energy-efficient windows.
- ❑ Choose countertops made from recycled, durable materials such as tile, concrete or fiber-based.
- ❑ Install effective fans for better ventilation.