FREE TOUR OF GREEN HOMES IN CENTRAL OREGON

SAT, SEPT 29th 10:00-4:30

Presented by

E² Solar

Energy Trust of Oregon

Cypress Creek Renewables

envirocenter.org/tour
Dear Central Oregonian:

The Environmental Center welcomes you to the 18th Annual Green Tour.

Thirty years ago, The Environmental Center was born to inspire locals to change the world and preserve our spectacular local landscape. Since 1988, we’ve brought people and businesses together to nurture lasting change that everyone can be proud of. We invest in relationships, work alongside others and empower citizens to become champions of sustainability. Our team works tirelessly to collaborate, innovate and improve systems in our community to keep this place we love, the place we love.

We believe Central Oregon can and should lead the way to a low-carbon, clean energy future. The Green Tour translates the big idea of a clean energy future into practical, local action.

Why focus our efforts on buildings? Because in Bend, buildings account for 57% of our carbon emissions. If we’re going to reduce our community’s contribution to climate pollution and global warming, buildings must be a part of the conversation.

So every fall, we showcase green building practices in action. On September 29th, you’ll see real-world solutions that reduce energy use and increase solar production in residential and commercial buildings right here in Central Oregon. For the 18th year in a row, everyday heroes across our community will open their doors so that we can learn and benefit from their journeys and experiences. They all have a story to tell—and they want to share it with you!

Now, more than ever, it’s important for all of us to make a change under our own roofs—no matter how big or small. We hope the 2018 Green Tour inspires you to find new ways to save energy and go solar, at home and at work.

See you on the tour,

Mike Riley  Lindsey Hardy
Executive Director  Program Director
The Environmental Center  The Energy Challenge

The Environmental Center also...

- Revolutionizes Energy
- Rethinks Waste
- Educates Kids
- Advocates for Change
- Builds Community

Learn more at envirocenter.org
This is a pivotal time for Bend—our climate legacy is being written right now as we dig into our very own climate action plan. We want to help our community explore all of the opportunities, big and small, to get us on the path to a low-carbon, clean energy future.

Real change happens when individuals come together in local communities to take bold action. Join us for our keynote presentation and the Tour so you can be a well-informed player that helps shape Bend's climate legacy.

Our presenter:
Andrew Lee

Andrew Lee directs the Zero Energy and Zero Carbon certification programs for the International Living Future Institute. He provides key thought leadership on how buildings will catalyze a shift towards a clean and regenerative energy future and serve as the most effective mechanism for climate action. His most recent work involved carbon emissions reduction policy and collaborating with over a dozen U.S. city governments to develop energy policy roadmaps to achieve a zero net carbon building sector.
In Efficiency Town, every newly built home comes with an EPS™ and built-in energy savings.

Brought to you by Energy Trust of Oregon, EPS is a scoring system that rates homes based on energy use. The lower the score, the better. EPS helps smart homebuyers like you find homes that offer lower energy costs and superior comfort.

**USE EPS TO FIND A HOME THAT SAVES**
Talk to your builder or real estate professional about EPS, and download our Smart Homebuyer Checklist at www.energytrust.org/smarthomebuyer.

Serving customers of Portland General Electric, Pacific Power, NW Natural, Cascade Natural Gas and Avista.

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Get Fueled Up
Site #1 – Bend Science Station, 1500 SW Chandler Ave
10:00 – 4:30
Pick up a free cup of coffee provided by Strictly Organic Coffee Co.
Pick up your Tour Guide. Let us know what you’re hoping to learn about and we’ll help you plan your route.

Go on Tour
See map on page 16 for home locations or view in Google maps at: envirocenter.org/tour
Homes open from 10:00 – 4:30.
Pick up a passport and visit 5 or more sites to pick up a free LED light bulb.

Tour by Bike
Join the bike tour guided by Bend Bikes: Meet at the Bend Science Station at 11:00 to visit sites 1-4 & 7 (15 miles). Bend Bikes will show you the safest ways to get there. The tour will end back at the Bend Science Station.

Go Electric
Site #2 – 19035 NW Ridgeline Court
Take an electric bike from Bend Electric Bikes for a ride!
Site #6 – Bethlehem Inn, 3705 N. Highway 97
Take the all-electric 2018 Nissan LEAF for a spin!

Come Party!
Site #1 – Bend Science Station, 1500 SW Chandler Ave
5:00-7:00
Join us for the Green Tour After Party and chat with your community about what you were inspired by—maybe you’ll even learn some more. Of course, a little beer and food always helps to get the conversation going. We’ll be honoring the favorite house of the Tour with the People’s Choice Award, so be sure to cast your vote!

Food and Beverage Sponsors:

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envirocenter.org/tour
The Evolution of Wireless Energy

There are many reasons to thank Nikola Tesla when it comes to modern technology, had capitalistic greed not stood in his way. Tesla’s contributions to society could have gone significantly further. Despite his mental breakdowns later in life that were likely caused by detractors and capitalists who refuted his utopian visions for society, Tesla created a plethora of inventions, with the goal of transmitting energy to the world at little to no cost.

While Tesla is known for his advancements regarding AC power, radio transmission and induction motors, there is one vision of his that hasn’t fully come to fruition—the wireless transfer of energy. While the Tesla coil is commonly recognized and found at most science museums, the basis of the technology behind it is still in its infancy of development for practical use.

Wireless charging has just over the past few years become a feasible technological product, but its scale has yet to reach the level at which Tesla originally envisioned it. While some companies have used the concept to create wireless charging devices for cell phones and small electronic devices, Tesla’s original intent was to provide a wireless network of power for anyone in the world to tap into.

Fast forward eleven years after Nikola Tesla’s death in 1943, the researchers at Bell laboratories in New Jersey introduced the world to the first “solar cell”. The Bell labs solar cell had the ability to “wirelessly” harness photons in the sun, to create electricity in the solar cell. Their first demonstration was to power a toy Ferris Wheel and small radio transmitter. While not the same version of “wireless” that Tesla had, utilizing the photons in the sun’s energy is another path in the use of the technology. In the years since the introduction of that first solar cell, the solar industry has emerged as a vital part of our need and desire to provide cost effective and clean energy worldwide. With cost reductions, technological innovations and market adoption, solar energy is now the clean and sustainable energy source for today and the future. For the first time ever, in 2016, solar energy contributed more new energy generation than any other source in the United States.

As the solar industry continues to grow and find new applications like combining batteries for grid resiliency, inverters that can shift loads to available renewable energy, and hybrid systems that can determine the cheapest form of energy to use at any given time, the potential of the solar industry is energizing.

Like Nikola Tesla, E2 Solar has a vision and a purpose to propel “wireless” solar energy forward. We use the history of the past to help define the future. Since the very first Central Oregon “Green and Solar Homes” tour in 2000, E2 Solar has been part of transforming our communities to the solar version of “wireless” energy. www.e2.solar
19035 NW Ridgeline Court, Bend – New Construction
Located in the Tree Farm Development off Skyliners Dr., see directions on map

Builder: Bill Hull
Designer: Jason Todd
2,474 sq ft, 3 Bed, 2.5 Bath
Solar Contractor: E2 Solar
Solar installation size: 5.88 kW
Earth Advantage certification: Platinum

Sensational secluded serenity
This house was designed for efficiency from the ground up and the outside in. Double 2x4 wall construction adds exceptional energy performance with less thermal bridging and increased insulation. Raised-heel trusses ensured that more insulation could be added to the attic without concerns of the insulation being compressed around the top wall plate.

Large south and east facing windows allow for natural light and passive solar gain. A simple, unobstructed south facing roof made for the perfect location for 21 solar panels which will significantly reduce the amount of energy the homeowners need to purchase from the power grid. Their total annual energy cost, including natural gas, is estimated to be about $340 per year.

The small "Eagles Nest" which makes up the second story acts as a chimney to increase circulation in the summer. In the winter the Eagles nest is warmed by passive solar gain and is the perfect spot to warm up after a cold day of skiing!

Make sure to ask about: Why they love their electric bikes and how they monitor their solar production.

Zero Energy Homes
COST LESS TO OWN
HEALTHIER AND MORE COMFORTABLE
THE HOMES OF THE FUTURE - AVAILABLE TODAY
LEARN MORE AT THE ZERO ENERGY PROJECT
- A NON-PROFIT EDUCATIONAL ORGANIZATION

zeroenergyproject.org

Better Living is our Mission
Comfort, Health & Sustainability
earthadvantage.org

Photo Credit: Solaire Homebuilders
After attending the Green Tour last year, these homeowners decided to put their own new home on the tour because they are excited to share their story and passion for saving energy. Inspired by a desire to reduce their carbon footprint and minimize their impact on climate change, they created a home that produces all of its own energy from the sun.

An all-electric home, even a few years ago, would conventionally mean that you could expect really high energy bills. Fortunately, there are numerous super-efficient heating and cooling systems and appliances that give you the opportunity to build or retrofit an all-electric home without the burden of high energy bills. This home utilizes a high efficiency heat pump and a heat pump water heater to dramatically reduce the amount of energy needed by the biggest energy users in the home.

What would a zero-energy house be without renewably powered electric vehicles? That’s right—they have two electric vehicles and say that there is no turning back now!

Make sure to ask about: What it’s like to live a fully electric life when it comes to transportation.

The Central Oregon Green Tour is a great opportunity to learn first hand about the benefits of EPS homes. Here’s a closer look at some of the key attributes you’ll find when you step inside an EPS home on this year’s tour:

1. An energy score that includes estimated utility costs, so you know what to expect before you buy.
2. Energy-saving lighting solutions and efficient built-in appliances such as dishwashers and water heaters.
3. High-performance windows that help to deflect heat in the summer and retain it in the winter, with well-sealed window frames that make for a quieter home.
4. Special framing techniques that allow for extra insulation join forces with energy-efficient heating and cooling equipment to enhance comfort, improve indoor air quality and lower utility bills.
5. Tight construction helps prevent unwanted pollutants and drafts. Plus, mechanical ventilation systems bring fresh air into the home for healthier indoor air quality.

Be sure to ask about EPS as you explore the featured tour homes, and remember to bring it up with your builder or real estate professional as your home search continues. An EPS home can save you money and energy for years to come. Pick up a Smart Homebuyer Checklist on the tour to get the conversation started, and learn more about EPS at: www.energytrust.org/smarthomebuyer.
This modern, efficient home is sure to catch your eye! Three roof lines delineate clean sections of this home, each accented with its own colors and angles. The addition of an attached ADU provides a peaceful environment for multiple residents with lots of space for gear.

The home was designed for passive heating and cooling by orienting skylights south for heating as well as long roof overhangs to keep the house shaded in the summer months. This home is the perfect example of what can be accomplished when considering solar from the start of the design process. The southern roof exposure is optimally oriented for solar production and will produce as much as 10-15% more energy than a system that was placed on an east or west facing roof.

Special care was taken to maintain the trees on site, not only with the design of the home, but also throughout the construction process. Construction vehicles were limited to a single entry and exit and a no drive zone was maintained around the tree canopies.

Make sure to ask about:

- The voice activated lighting and dimming in the dining room.

Modern efficiency with a view

Don’t miss these builder trainings in Bend - October 3, 2018

Visit us at:
earthadvantage.org/training/
Fuel up for your journey
Bend Science Station (SITE 1)
  • Free coffee
  • Tour guide pick up
  • 11:00 – Meet for Bike Tour

SITE 1: Bend Science Station
  1500 SW Chandler Ave, Bend
  (On OSU Campus)

SITE 2: Eagles Nest
  19035 NW Ridgeline Court, Bend
  Test ride an electric bike

SITE 3: Zero Energy, Zero Emissions
  1363 NW Mt. Washington Dr, Bend

SITE 4: 3 Pines Custom Home
  62635 Mt. Thielsen Dr, Bend

SITE 5: The Poplin’s energy retrofit
  1127 NW Stoneridge, Bend

SITE 6: Bethlehem Inn
  3705 N. Highway 97, Bend
  Test drive an electric car

SITE 7: Crack in the Ground
  338 NW Roanoke Ave, Bend

SITE 8: Cypress Creek Solar Farm
  21836 Neff Rd, Bend

SITE 9: Off-grid Living
  67775 Cloverdale Rd, Sisters

SITE 10: Cottages at ClearPine
  232 W Clear Pine Dr, Sisters

Green Tour After Party and People’s Choice Award
Bend Science Station (SITE 1)
Live music, food, kombucha, beer
5:00-7:00pm

Directions to SITE #2
19035 NW Ridgeline Court
This address does not show up on Google Maps. This home is in the new Tree Farm neighborhood off of Skyliners Rd. Just past Miller Elementary, follow the directional signs and take a right onto Tree Farm Dr, then take your first right onto Ridgeline Dr.

Carpool on the Green Tour
Post a trip for others to join at DriveLessConnect.com
• Login or Register for a new account
• Look for the Green Tour event in the Ride Match
• Post a trip or look for someone else’s carpool. You will find the Green Tour listed in “View Events.”

Tour by bike
Meet at the Bend Science Station at 11:00 to tour sites 1-4 & 7 by bike with Bend Bikes (15 miles).

Presenting 10 sites packed with green and solar features
SAT, SEPT 29th 10:00-4:30
Envirocenter.org/tour
### Improving Indoor Air Quality

#### Build Tight

Wildfire smoke has many of us thinking more about both outdoor and indoor air pollution. A tightly sealed home is important when preventing contaminated outside air from leaking into the house as well as keeping the heated or cooled air inside. This is a must when building an efficient home and ensures all the cracks and crevices that allow outside air or pests to get into your home are sealed up.

#### Ventilate Right

When a home is tightly sealed, it is important that occupants still have access to fresh air. This is where energy recovery ventilators (ERV) or heat recovery ventilators (HRV) come in. They bring filtered fresh air into the home and reduce the need to heat or cool the incoming air.

HRVs and ERVs move incoming and outgoing air through a heat exchanger and recover the heat from the air leaving the home. When it is cold outside, they exchange the heat from the warm air leaving the house, to the cold incoming air. When it’s hot outside, the fresh incoming hot air exchanges heat to the cold air leaving the home. An ERV also exchanges humidity.

Check out sites 1, 2, 3, 4, 6, and 7 to see an ERV or HRV in action.

Existing homes can also get an air quality upgrade. Air sealing the envelope of a house is a top energy retrofit priority that will also help to improve indoor air quality. Most homes will be able to air seal without needing to add mechanical ventilation. During an energy assessment, contractors will also perform radon and carbon monoxide tests, and check combustion appliances.

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#### GREEN AT A GLANCE
AN OVERVIEW OF THE TOUR HOMES

<table>
<thead>
<tr>
<th>SITE #</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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<th>6</th>
<th>7</th>
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<td>P</td>
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<td>ZE</td>
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#### Building Envelope

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<th>Building Envelope</th>
<th>Site 1</th>
<th>Site 2</th>
<th>Site 3</th>
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<th>Site 7</th>
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<td>Wall R-value</td>
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<td>30</td>
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<td>29</td>
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<td>10</td>
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<td>Floor/Slab R-value</td>
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<td>Window average U-value</td>
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#### Systems

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<th>Site 7</th>
<th>Site 9</th>
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<td>DHP</td>
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<td>DHP</td>
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<td>HE</td>
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<td>Water Heater Efficiency – High Efficiency (HE), Solar (S) tankless (T), or heat pump water heater (HPWH)</td>
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<td>T</td>
<td>HPWH</td>
<td>T</td>
<td>T</td>
<td>HE</td>
<td>HPWH</td>
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Rustic mountain escape gets upgraded for ultimate comfort

This split-level single family home just underwent a high efficiency HVAC and water heating upgrade. The zoning of high efficiency heating and cooling systems ensures energy is used only when and where it is needed which not only saves energy, but it makes occupants more comfortable. You can envision how much energy this saves if you think about other zoned systems you have in your house such as lighting. When you walk into a room and turn on the lights, you are only illuminating that single room, and not every room in the house.

Zoned heating also allows you to control heating and cooling for different needs. If your living room faces easts and gets blasted with sun in the morning, but your bedroom faces north, you are going to have very different heating needs to achieve optimal comfort in both rooms. The new zoned system consists of a Mitsubishi ductless heat pump and a Navien combination boiler.

Envisioning and designing a whole-home mechanical upgrade with an emphasis on efficiency proved to put GreenSavers, the home performance contractor, to the test. The split level design of the home needed special attention to detail to determine the best places to run electrical and linesets for the ductless heat pump and combi boiler. This project demonstrates that functionality can meet aesthetics to achieve a home performance project that meets everyone’s needs.

Make sure to ask about: How the combi boiler instantaneously creates hot water for domestic use and for heating the home.

Pollinators and Solar Farms

Pollinator populations are in decline in the United State due to environmental stressors including pesticides, parasites, diseases, and malnutrition. Without appropriate vegetation and land management, the number of pollinators will continue to decrease, putting farms and crop yields dependent upon flowering plants at risk. At the same time, solar energy projects are being developed in agricultural areas.

Cypress Creek Renewables is pioneering a new Solar + Pollinators Initiative. Co-locating pollinator-friendly habitats and vegetation on solar farms can support and expand local pollinator populations such as birds, bees, and butterflies and bring benefits to surrounding agriculture and the environment.

Pollinators provide an ecological service that is a requirement for more than 85% of the world’s flowering plants which is inclusive of most global crop species. Annually, around $3 billion is generated in the United States due to native pollinators’ services for over 100 crops.

• During the solar farm’s operation, soils rest and rebuild while the deep-rooted plants add organic matter and fertile top soil

For more info: ccrenew.com

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For more info: ccrenew.com
Bethlehem Inn is a community-based emergency shelter that provides a warm, safe place to sleep, nourishing meals, and case management services for adults and children experiencing homelessness in Central Oregon. By creating a sustainable facility, Bethlehem Inn’s new Family Residence and Service Hub encapsulates their goal of Transforming Lives Together.

Bethlehem Inn has taken on the challenge of reducing their long-term operating costs for decades to come by designing this building to be highly energy efficient and capable of producing much of its own energy from a solar electric system. This innovative investment in energy efficiency and renewable energy demonstrates the commitment of the Bethlehem Inn Board to reducing their carbon emissions.

This project was developed in partnership with Energy Trust of Oregon’s Path to Net Zero Program which engages projects early-on in their conception and helps to raise the bar of energy-efficient design and performance. Through the Path to Net Zero program, the earlier you engage Energy Trust of Oregon, the more access projects have to a full suite of incentives and resources. The solar electric system also received a Blue Sky grant from Pacific Power.

This building features high performance windows, R-60 insulation in the roof, and rigid insulation around the envelope of the building. Energy use is further reduced with the use of ample daylighting throughout the living areas and offices, 100% LED lighting, and Energy STAR appliances. A whole building ERV and low-VOC paints and finishes improve indoor air quality.

Make sure to ask about: How you can help support renewable energy and projects like this by choosing the Blue Sky option on your Pacific Power bill.

A modern home rooted in its landscape

This home is built into its surrounding landscape, rising from a crack in the ground. The entire back side of the house is buried into the earth, which proved difficult during excavation with a rocky build site and required extra structural engineering to design a retaining wall. While this makes the most of the challenging topography, it also takes advantage of the ground’s natural coolness in the summer and heat in the winter.

The advanced framing on this home, which consists of 2x4 staggered studs and 2x8 top and bottom plates, allows for increased insulation in the wall cavity. Since the studs are offset and don’t directly connect the interior and exterior walls, there is less thermal bridging. With a tightly sealed home, indoor air quality is always a concern. This home uses a spot ERV, low-VOC natural paints and finishes, and formaldehyde-free materials to ensure they have healthy and safe indoor air.

This home is on track to produce as much energy as it uses with a 11kW solar installation. To make this possible the home uses super-efficient electric appliances including a ductless heat pump for heating, a heat pump water heat for hot water needs, and 100% LED lighting.

Be sure to ask about: How their ground-floor ADU creates a multigenerational home.

**SITE 6** Bethlehem Inn

3705 N. Highway 97, Bend – Commercial New Construction

**SITE 7** Crack in the Ground

338 NW Roanoke Ave, Bend

**Designer:** Owners  
**Builder:** The Doherty Group  
**Square footage:** 2,700 sq ft  
**Size:** 11 kW  
**Earth Advantage Certification (pending):** Platinum

**Designer:** Ascent Architects and Interior  
**Builder:** Sunwest Builders LLC  
**Square footage:** 18,181  
**Solar Contractor:** Sunlight Solar  
**Solar Installation Size:** 91.5 kW  
**Participating in Energy Trust of Oregon’s Path to Net Zero Program**
Locally generated renewable energy

Homegrown renewable energy is expanding in Central Oregon and rightfully so. We have some of the best solar potential in the US. This is an opportunity to visit one of these sites and get behind the scenes. Local Cypress Creek Renewables staff will be on site to discuss the development process, the energy generation, give you a tour, and answer any questions you may have about utility-scale solar projects.

This 10 MW solar project covers 62 acres on Neff Road just east of Big Sky Park. It produces enough energy to power 3,000 homes. The power that is generated is sold to Pacific Power. With 67% of Pacific Power’s current energy mix coming from coal, this is really important for creating a clean energy future here in Central Oregon.

Cypress Creek Renewables worked on this project for 3 years and developed it from the ground up. During construction in 2017, about 200 local Oregonians worked on the projects as electricians and civil contractors.

The project incorporates native landscaping and revegetation around the exterior and interior fence lines. Local plant specialists conducted a site analysis to determine the appropriate native seed mixture and planting techniques for the project. Wax currant and Sagebrush, grown by a commercial grower in Redmond, was planted.

RSVP: Since this site is so large, tours will leave at the top of the hour and will take 30 – 45 minutes. Space on each tour is limited so RSVP to reserve your space. Please wear closed-toe shoes. envirocenter.org/solartour.

Make sure to ask about: Their pollinator program.

Beauty meets self-sufficiency and efficiency

This fully off-grid home, located on a secluded 27 areas in Sisters, was awarded Timber Frame Home of the Year in 2009. The exposed timber beams throughout the house create a cozy feel, and the structurally insulated panels (SIPs) that make up the exterior envelope of the home in the walls and ceiling make sure the home lives up to its cozy curb appeal.

The living spaces are all located on the south side of the home to take maximum advantage of passive solar heating and natural light. Travertine tile floors provide a heat sink to capture heat from the sun during winter months when the sun is low in the sky and shines into the main living area. A solar hot water system and a 93% efficient on-demand boiler provide the heat for an in-floor radiant heating system.

This home is fully off-grid which means that they have to store the excess electricity that they produce in order to have access to electricity when the sun goes down or during inclement weather. There is no utility grid for back-up! Propane is utilized for clothes drying, cooking, heat in the ADU, and to supplement the solar hot water system for the radiant floor heating system.

Reclaimed materials can be found throughout the home including the barn wood ceiling in the entryway, and kitchen cabinets, and recycled steel railings.

Make sure to ask about: How they save energy with their well pump system and a 1,500-gallon cistern.

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See map on website for service area. Our team must install the bulbs and can only replace incandescent bulbs. This offer made possible through a collaboration with Energy Trust of Oregon and Central Electric Cooperative.
SITE 10
Cottages at ClearPine

1098 N. Wildflower Lane, Sisters—New Construction
Developer: Peter Hall, 3 Sisters Partners LLC
Builder: Simplicity Homes
Designer: Katherine Austin
4 floor plans, 1004 to 1162 sq ft, 9 total cottages

An innovative cottage development

60 years ago, the doors were shuttered on a 50-year old lumber mill on this site. After a fire, brownfield site designation, a long abandonment, and eventual remediation, it is now home to the ClearPine community. Nestled in this community is a cluster of 9 simple farmhouse style cottages built around a common area and community garden. They are within easy walking distance to all necessary services in downtown Sisters and will soon be home to a 1 acre community park.

The small cottages, ranging in size from 1004 sq. ft. to 1214 sq. ft., were a conscious decision to create right-sized homes to meet a need for greater affordability and use less land and building materials. All homes have a master downstairs to address the needs of those looking to age in place. The two story homes have 2 masters allowing for flexibility and potential for multiple generations to live together. Small spaces are as flexible as possible for multiple uses.

Each home will be Earth Advantage certified which means that they will be 20% more efficient than code. Energy Star appliances are used and heat pumps provide efficient heating and cooling. Since hot water can account for up to 20% of a home’s energy use, water runs are central and short, decreasing hot water waste. Water Sense faucets and toilets are used, further decreasing energy and water demands. Low VOC interior paints and sealants and hard surfaced floors in high trafficked areas help to improve the indoor air quality of the home and a heat recovery ventilator provides fresh air.

Make sure to ask about: Their tree preservation plan and habitat restoration partnership with Upper Deschutes Watershed Council and how the development team worked with City of Sisters to re-write their cottage code.

GREEN BUILDING DIRECTORY
ENERGY EFFICIENCY AND HOME PERFORMANCE

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Pacific Power
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Zero Energy Project
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LENDING

Craft 3
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Craft3 is a regional nonprofit lender that strengthens the resilience of businesses, families and nonprofits, including those without access to traditional financing. We lend to growing and start-up businesses, and homeowners upgrading energy features or failing septic systems.
GREEN BUILDING DIRECTORY

TRANSPORTATION

Bend Electric Bikes
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Since 2008, BEB has been selling, repairing and converting electric and cargo bikes that help locals get around town. Whether you ride for fun, as your primary mode of transportation, or for the planet, Bend Electric Bikes can help you learn more about what’s possible with an e-bike.

Smolich Nissan
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Smolich Nissan is a family owned business and has been serving the Bend community since 1968. We feature best in class fuel efficiency vehicles and the 100% Electric Nissan LEAF Plug in.

Forth
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Forth is a nonprofit that works to advance electric, smart, and shared transportation in the Pacific Northwest and beyond through innovation and industry development; demonstration and pilot projects; policy advocacy; and consumer engagement.

SOLAR

Cypress Creek Renewables
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Cypress Creek Renewables is a national provider of solar with over 5 gigawatts of local solar farms deployed or in development. We partner with communities and utilities to provide access to clean energy at or below market costs.

Elemental Energy
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Elemental Energy specializes in creative, high quality beautiful solutions to your energy needs. Locally owned and operated, we design, install, and service solar electric systems for businesses, homes, and mobile units throughout the state of OR and abroad.

E2 Solar
Phone: (541) 388-1151
Email: sales@e2solar.com
Web: www.e2.solar

E2 Solar is a women-owned, small business dedicated to providing central Oregon the very best in clean, sustainable energy. Our custom-designed solar systems offer a reliable and affordable energy solution for any home or business.

Sunlight Solar
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Web: sunlightsolar.com

With over 20 years of solar installation experience in Central Oregon, we bring you high-quality, turn-key installations for residential and commercial projects. We are passionate solar advocates that take pride in supporting our community’s transition toward a renewable energy future.

INTERIOR & MATERIALS

Miller Lumber
Phone: 541.382.4301
Web: mlumber.com

The Miller Lumber Company, supplying lumber and building materials to all of Central Oregon since 1911.

Solar Light Inc.
Phone: 541.306.4141
Contact: Brenan, Melody, and Ann
Email: ann@solarlight.me
Web: solarlight.me

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GREEN BUILDING DIRECTORY

DESIGNERS AND BUILDINGS

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Jim Guild has a love for natural resources, a passion for sustainable homebuilding materials, and the unwavering drive to make each home he builds infinitely comfortable and livable. When you’re ready to own a bright, super efficient home that is long-lasting, artistically breathtaking and power producing, call Jim.

Neil Kelly
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Serving Central Oregon for over 10 years, Neil Kelly Company specializes in award-winning design-build remodeling and home repairs big and small. As a Certified B Corp, we strive to make meaningful contributions to the people and communities we serve, and the environment we all share.

Stemach Design + Architecture
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Web: stemachdesign.com

Stemach Design implements thoughtful, innovative design based on the core values of economic, environmental and equitable sustainability. We are dedicated to projects embodying careful, coordinated designs that have positive impacts on each project’s surroundings.

GREEN REALTORS

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Agency: Windermere Real Estate

I specialize in GREEN real estate, home technology, great design and unique spaces. I delight in helping my clients find value and those hard to find special homes.

Certifications: GREEN; Energy Trust of Oregon Trade Ally.

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