

Cultivating Energy

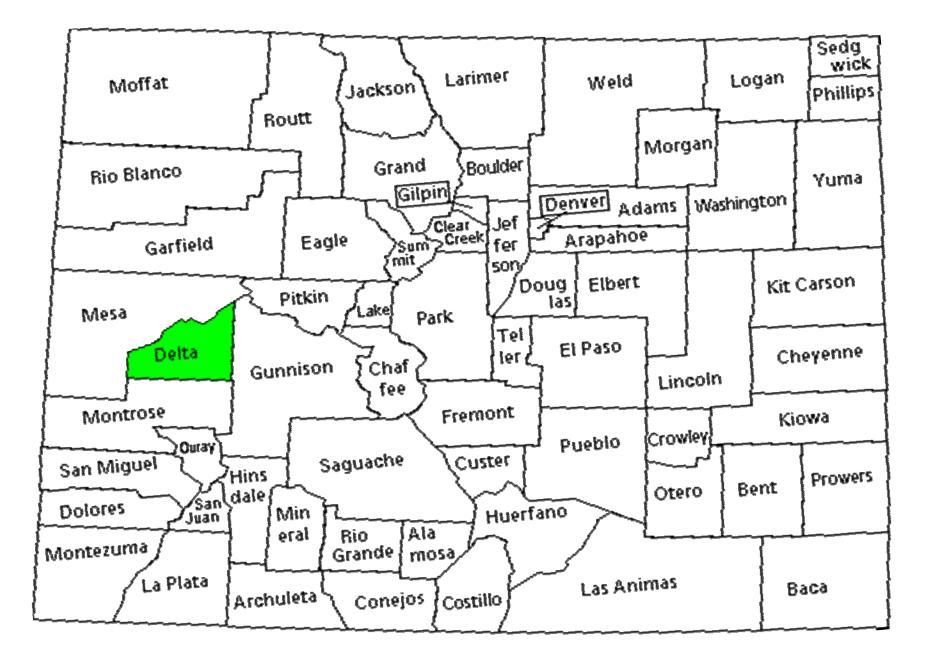




Educate. Engage. Empower.



DELTA COUNTY ECONOMIC DEVELOPMENT



Historic and Future Economy

- Delta County and the surrounding region are home to many fossil fuel and renewable projects as well as innovators in distribution and delivery.
- Coal mining and extraction have been an integral part of the region's' economy.
 - With the recent loss of over 1000 well paying coal mining jobs, Delta County is taking this opportunity to refocus the economy to provide opportunities for the future.



County Assets

- Largest Flat Top Mountain and Mountains
- Sun #2 in Colorado for Solar Insolution
- Delta Montrose Electric Association Member Co-op
- Solar Energy International
- ENGAGE Innovation Center Energy Innovation



Growing Our Own Energy



- Local Resources (solar, hydro, coal mine methane, biomass)
- Broadband & Grid
 Technologies
- 1-5 MW Solar
- Utility Scale Solar Projects (SLV at capacity)

All About Economics



- Members want renewables its all about rate stabilization
- Responsive Member Driven Co-op Board
- Self generate and keep money in local economy (\$42mm leaving)



Educate. Engage. Empower.

Renewables + Local Economic Development

- AmeriCorp Vistas
- Solarize Campaigns
- On-going education events
- Solar in the Schools





Delta County: A Leader in Energy

- ENGAGE Innovation Center
- E² ENGAGE 1st Energy Summit Sep 2017
- Branding/Marketing
- 50 x 25



Colorado Commercial Property Assessed Clean Energy



Solarize 2015 & 2016

42 New PV Systems

F 272 KW of Solar installed

\$900,000 Invested in Solar



Photo by Ben Lehman





SOLAR ENERGY INTERNATIONAL

E² ENGAGE Energy Conference

September 29-30, 2017 ENGAGE Innovation Center Delta, CO

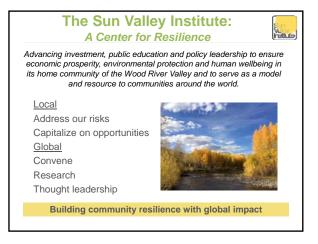
The ENGAGE Energy Conference will bring senior multidisciplinary energy experts and innovators from the fossil fuel and renewable energy sectors together to speak about the current state of our energy landscape in the West, and the opportunities offered by the future energy landscape. The Conference is a half day Friday event with keynote, panels and networking opportunities geared toward industry, policy makers, economic development and innovators.

Lessons Learned



- Determine your assets
- Energy Diversification
- It's the Economy
- Political Will
- Leadership from public and private sector

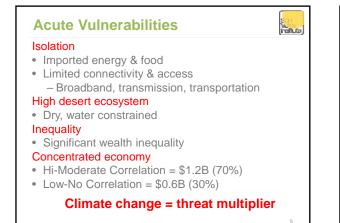








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Local Community Resilience

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What Are Our Risks & Priorities

- Desk research: NSF, Rockefeller, etc.
- Community outreach: preliminary (40 people)
- Next Steps: Further community engagement

Fire Resilience

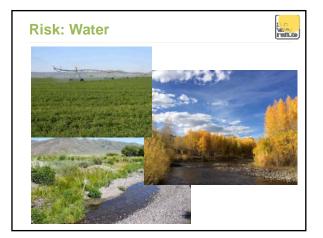
Building a Fire Resilient Community

• June 7-8 - Led by University of Idaho

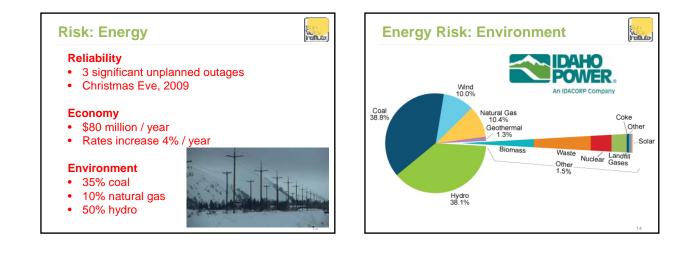
Fire Resilience Workshop (Trabute) University of Idaho College of Natural Resources

Community, Science, Technology, June 7-8

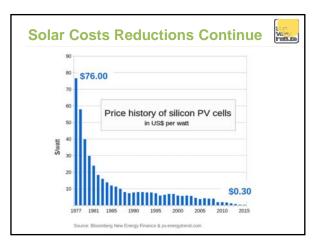
- Goal = Create Fire Adapted Communities here and beyond
- Day 1 = Model communities, new investment and business models
 - Economic Value of Big Wood Liquid Assets
 - Blue Forest Conservation Forest Resilience Bond
- Day 2 = Blaine County Fire as Adapted Community



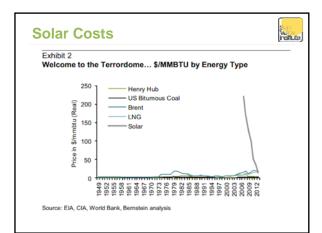


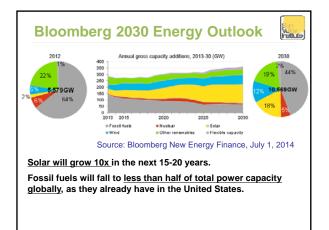


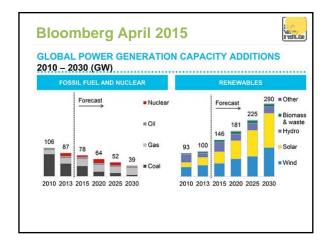




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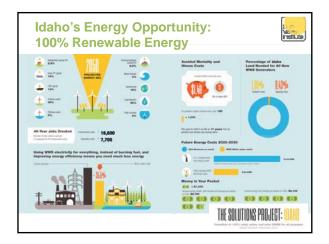








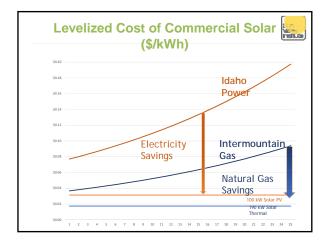














Sun Valley Marketing Alliance

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Risk: Competition & Brand

- Approximately 25% of ski resorts in the Rocky Mountains generate alternative energy onsite
- LEED certified projects in Teton, Vail, Aspen/Snowmass, Snowbird and Telluride ski resorts
- LEED certified hotels by major chains including Marriott, Hyatt, Starwood, Hilton, Intercontinental, Fairmont...
- Vail, Aspen and Whistler market their green initiatives

Young, environmentally conscious resorts like Powder Mountain may steal this next generation of skiers from us — Powder Magazine

Opportunity: Energy Resilience

Energy is a **RISK** that can be an economic **OPPORTUNITY**

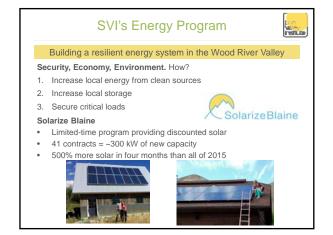
Energy goal: transform our grid into a reliable, economically and environmentally sound energy system, providing:

- Reliability

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- Protection of our natural environment
- Reduced power prices
- Local job creation diversification of the economy

A distributed, local, collaborative energy system = Resilient And benefit our brand





"With solar you get an endless supply of free electricity and that priceless feeling of knowing you're producing clean energy." - Scott Runkel, CS teacher, Northridge Neighborhood



"We were all in. We knew this was the place where we were going to raise our girls. When you look at your home over those long-term horizons, solar becomes increasingly viable. And on top of that, we're helping out the environment. How could we not do solar?"

-Julie and Traves Olson, homeowners and parents, Hulen Meadows





"I care about the philosophy of green investment. It's a way for me to be a stockholder for my community and the environment. Those are the two things that I care about more than anything else." -Patrick Buchanan, State Farm Insurance, Hailey



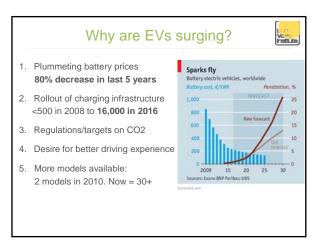
"I've been thinking about it for a long time, just waiting for the price to make sense. With Solarize Blaine it finally did. The upfront cost of my 4.55 Kw system was about \$18,000, but with the Solarize price discount and tax deductions, I'll only end up paying about \$10,000."

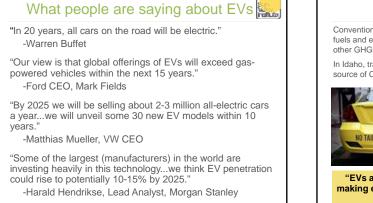
-Joe Miczulski, Homeowner in Bellevue

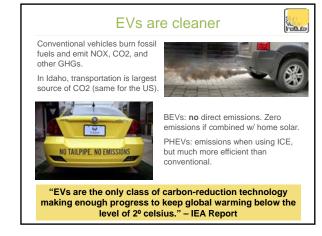




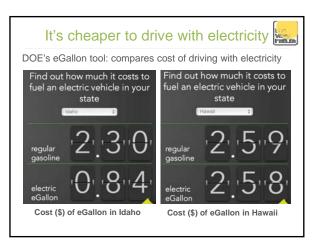


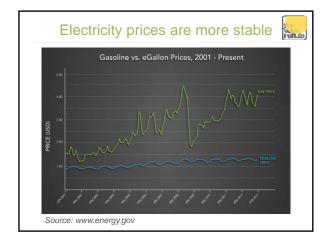


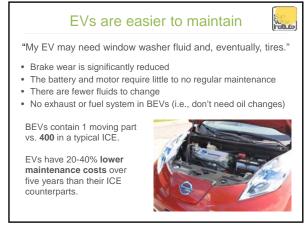












EVs are more fun to drive

- Smoother: glide effortlessly (not shifting gears)
- Extra torque from electric motor: accelerates better
- Quieter because no engine noise
- Convenient to charge at home



EVs do fine in the snow

VE-

EVs handle surprisingly well in the snow because of smooth torque and balance from heavy batteries.

All can be equipped with snow tires.





What is an EV group-purchase program?

- Community-based program to increase the adoption of EVs
- Competitive selection process to select dealerships and models
- Discounts on one or more EVs
- Open to a community for a limited time
- Our dealerships: Dennis Dillon Nissan, Audi Boise, Peterson Chevrolet, and Peterson BMW





RevUp Blaine

- Led by the Sun Valley Institute with support from Idaho National Laboratory
- Request for Proposals to dealers & HQ Nov 2016
- Negotiated discounts on 4 different models
- Open to residents of Blaine County until May 31
- 1% fee to dealers will fund Fairfield charging station



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SPEAKERS TO INCLUDE





Chief Environmental Strategist Microsoft Divestment Management



PAUL WALSH Director, Weather Strategy IBM Global Business Services / The Weather Company



Executive Director Sierra Club



JULIE SHAFER Head of Strategic Philanthropy & Purpose Investments Bank of the West

SCHEDULE & VENUE

The forum plenaries and breakout sessions will be complemented by opportunities for outdoor activities and networking. Stay and play packages are available for partners and families and to extend your trip!

 July 5:
 Opening Reception & Dinner

 July 6–7:
 Forum Sessions

 July 8:
 Adventure Day

The Limelight Hotel 151 Main Street S. Ketchum, Idaho



The premier event of the Sun Valley Institute, the annual Sun Valley Forum was first convened in 2015 to accelerate the transformation to sustainable, equitable, and secure—resilient—economies and communities.

In a time of great environmental, political, and economic change, resilience is vital. The Forum gathers 200 innovators from investment, policy, business, nonprofits, and academia, as well as local leaders, visitors, and residents, to share strategies, broaden thinking, and spark new partnerships at this groundbreaking event. With combined coverage of local and global topics, the Forum showcases cutting-edge, scalable solutions, in plenary addresses as well as interactive breakout sessions to help build relationships for ongoing support and collaboration. Nestled in the beautiful Wood River Valley and surrounded by five mountain ranges, attendees will learn and be inspired while connecting on nature trails, along the river and around the table for delicious local meals. Content and ideas will be shared with essential audiences via key media representatives' participation and by live streaming of the event.



KEYNOTES & DISCUSSIONS

Leading for Resilient Prosperity Insights from pioneering companies, governments, universities & faith institutions

Economy, Environment, & Security Building resilient Energy, land & food systems

Nature is the Best Investment Strategies for job creation, disaster prevention & recovery

Data & Technology to Benefit People & Planet Empowering decision-making & growing impact

Communicating Complexity & Inspiring Action The messages, messengers & avenues that work

Workforce Development on an Urgent Timeline Training to build a sustainable & resilient world

Protecting Health The importance of where we live, work & what we eat

Building Community How personal wellbeing, social cohesion & trust underpin quality of place

Resilient Business

Corporate strategies building low-carbon, low-res ource use, equitable economies

The Sun Valley, Idaho area faces great risks from environmental changes and global economic shocks, both due to its isolated, high-desert location as well as its highly concentrated economy and income disparity— a ready petri dish for resilience and innovation. The Sun Valley Institute was formed to address local risks and turn them into opportunities through piloting innovative policies, investment models, and community building— as well as by serving as a resource, sharing innovations, and convening leaders to grow resilience far beyond Idaho: a think- and do-tank for our changing world.





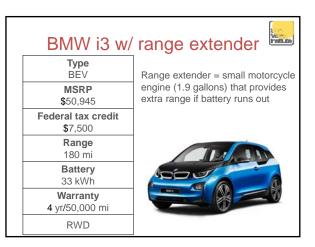
LEARN MORE AT WWW.SUNVALLEYFORUM.COM

Travel & Lodging Info About Sun Valley Institute Sponsorship Opportunities













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