



City of Ketchum

December 7, 2020

Mayor Bradshaw and City Councilors
City of Ketchum
Ketchum, Idaho

Mayor Bradshaw and City Councilors:

Presentation and Discussion on Clean Energy Goals

Recommendation and Summary

Members of the Climate Action Coalition of Wood River Valley approached city staff to request time to present to City Council regarding clean energy goals. Staff is requesting direction following the presentation as to whether the Council supports adoption of the resolution outlining new clean energy goals.

The reasons for the request are as follows:

- The city currently has adopted clean energy goals as outlined in the sustainability plan.
- The proposed new goals/targets are different than existing adopted goals.
- Should the Council approve these new goals, the city would participate in a valley working group to develop an implementation strategy.

Introduction and History

The 2019 and 2020 city sustainability action plan contains specific goals as it relates to clean energy. Attached is a cross-walk document that compares the current city goals to the ones proposed by the Climate Action Coalition. Two options or approaches were discussed between staff and the coalition. Option one, the City of Ketchum could support these goals but not adopt a resolution committing to these until the action plan was developed so that we could present an executable strategy to the public. Option two, the city could adopt a resolution of support now and then join the working group to figure out the implementation plan.

Analysis/Next Steps

Staff seeks guidance if the council supports these new goals and the preferred next step from the two options outlined above. Staff did solicit feedback from the Ketchum Sustainability Advisory Committee (see attachment).

Sustainability Impact

This topic is a key policy component of the city's sustainability plan.

Financial Impact

Until the implementation plan is developed, the specific fiscal impact to both city operations as well as rate payers is unclear.

Attachments:

1. Cross-walk document between current and proposed energy goals
2. DRAFT presentation from Climate Action Coalition

Gap Analysis between Ketchum Energy Targets and the Clean Energy by 2045 Proposal

= means equivalent < means Ketchum is less stringent/ambitious > means Ketchum is more stringent/ambitious

The strategies to achieve clean energy are energy efficiency, renewable energy, and/or purchasing green power or carbon offsets.

City of Ketchum	=/</>	Clean Energy by 2045	Detail
Upgrade existing municipal buildings towards a 50% reduction in energy use by 2030	<	One Hundred Percent (100%) clean energy for municipal electricity use by 2030, including at least 75% clean energy by 2025	These are different objectives but reducing energy use by 50% is not as ambitious as achieving 100% or 75% clean energy. Energy efficiency is a strategy towards achieving clean energy, so it helps make progress towards such a goal. <i>The delta would be considering if Ketchum wants to be more ambitious and require the remaining electricity used by municipal buildings to be clean. An additional delta would be considering if Ketchum wants to add an interim target of 75% clean electricity by 2025. Another delta would be considering if Ketchum wants to expand from a “buildings” target to all “municipal electricity use.”</i>
Ensure new buildings are carbon neutral by 2030	=	One Hundred Percent (100%) clean energy for municipal electricity use by 2030, including at least 75% clean energy by 2025	100% clean energy and carbon neutral can be considered equivalent in that the objective of each is no carbon emissions. The definition of carbon neutral is net zero carbon dioxide emissions by balancing carbon dioxide emissions with removal or simply eliminating carbon dioxide emissions altogether. Clean energy is typically defined as energy derived from renewable, zero-emissions sources. <i>The delta would be considering if Ketchum wants to add an interim target of 75% clean electricity by 2025.</i>
Ensure critical loads are met with resilient sources of energy by 2030	=	One Hundred Percent (100%) clean energy for municipal electricity use by 2030, including at least 75% clean energy by 2025	Although “resilient” and “clean” energy are not necessarily the same definition, the intent is similar. Resilient is about ensuring a reliable, regular supply of energy and contingency measures in place in the event of a power failure. If “resilient” is interpreted to be renewable or clean, then these are equivalent. <i>The delta would be considering if Ketchum wants to choose different, more specific terminology and add an interim target of 75% clean electricity for critical loads and all municipal energy use by 2025.</i>
Eliminate emissions from municipal vehicles by 2030	>	Transition city and county fleet vehicles and equipment to 100% electric power as technologically and economically feasible by 2035	Ketchum has a more ambitious goal, but KSAC has been discussing an amendment to this goal especially for heavy equipment that would extend the target date. <i>The delta would give Ketchum 5 more years to achieve this goal.</i>

City of Ketchum	=/</>	Clean Energy by 2045	Detail
De-carbonize all city facilities by 2030	=	One Hundred Percent (100%) clean energy for municipal electricity use by 2030, including at least 75% clean energy by 2025	These are equivalent but use different terminology to achieve the same objective of zero carbon emissions. <i>The delta would be considering if Ketchum wants to add an interim target of 75% clean electricity by 2025.</i>
N/A	<	One Hundred Percent (100%) Clean Energy for the community-wide electricity supply by 2035	Ketchum has not yet set a community-wide goal for clean electricity. It is important to note that Idaho Power’s goal is clean electricity by 2045 so there is a 10-year gap that would need to be resolved. Idaho Power expects to be approximately 90% clean by 2035 but there will still be a gap that citizens would need to fill or that government would need to offset. <i>The delta would be considering if Ketchum wants to adopt a clean electricity goal for the community and whether Ketchum is willing to offset the gap.</i>
N/A	<	One Hundred Percent (100%) clean energy for all energy use by 2045	Ketchum has not yet set a community-wide goal for clean energy. Idaho Power’s goal is clean electricity by 2045 so electricity would meet this goal but “all energy use” also includes natural gas and propane, which would require significant change for many residents. According to the U.S. EIA (Energy Information Administration), about half of Idaho households used natural gas as their primary energy source for home heating as of 2018. <i>The delta would be considering if Ketchum wants to adopt a clean energy goal for the community and whether Ketchum is willing to offset the gap.</i>

For reference, below are the actual list of goals for each.

City of Ketchum:

1. Align with the 2030 Challenge and upgrade existing municipal buildings towards a 50% reduction in energy use by 2030 compared to a 2007 baseline and ensure new buildings are carbon neutral by 2030
2. Ensure critical loads are met with resilient sources of energy by 2030
3. Eliminate emissions from fleet municipal vehicles by 2030 and heavy equipment by (later date)
4. De-carbonize all city facilities by 2030

Strive for 2045:

1. One Hundred Percent (100%) clean energy for municipal electricity use by 2030, including at least 75% clean energy by 2025; and
2. One Hundred Percent (100%) Clean Energy for the community-wide electricity supply by 2035; and
3. Transition city and county fleet vehicles and equipment to 100% electric power as technologically and economically feasible by 2035
4. One Hundred Percent (100%) clean energy for all energy use by 2045.

A photograph of a wind farm in a grassy field under a bright blue sky with scattered white clouds. Several white wind turbines are visible in the distance. The foreground is filled with green grass, some of which is slightly out of focus. The overall scene is bright and clear, suggesting a sunny day.

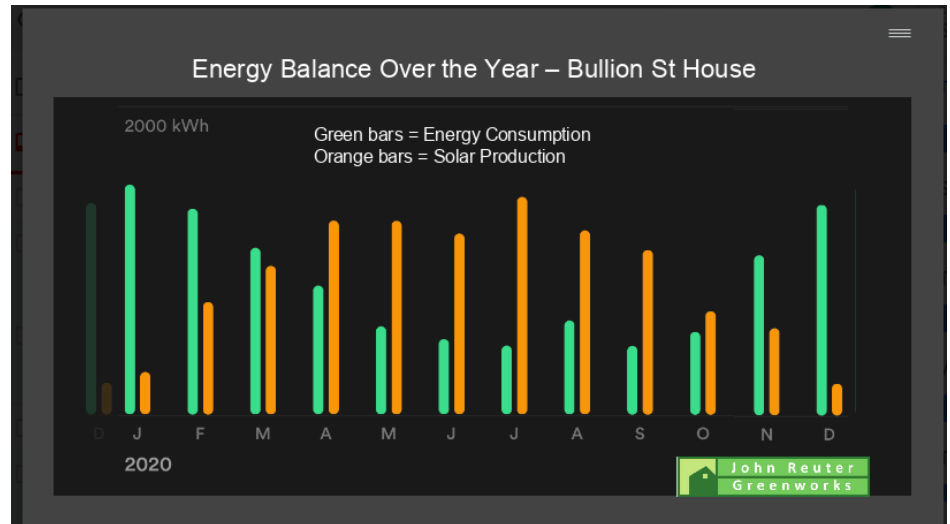
Clean
Electricity
2035

Clean
Energy
2045

Protecting our Future



Solar works....



Resolution Action Items

NOW, THEREFORE, THE CITIES OF BLAINE COUNTY (BELLEVUE, CAREY, HAILEY, KETCHUM, AND SUN VALLEY) AND BLAINE COUNTY ESTABLISH THE FOLLOWING RENEWABLE ENERGY GOALS FOR BOTH MUNICIPAL FACILITIES AND FOR THE COMMUNITY AT LARGE:

- I. One Hundred Percent (100%) clean energy for municipal electricity use by 2030, including at least 75% clean energy by 2025; and
- II. One Hundred Percent (100%) Clean Energy for the community-wide electricity supply by 2035; and
- III. Transition city and county fleet vehicles and equipment to 100% electric power as technologically and economically feasible by 2035
- III. One Hundred Percent (100%) clean energy for all energy use by 2045.

Resolution Action Items continued

FURTHERMORE, a regional stakeholder group will be formed including representatives from each city government, the county, citizens, businesses, and local experts from our non-profit community to create a roadmap to achieve our clean energy goals. This group shall be formed by January 2021.

The clean energy transition and stakeholder group shall be overseen by a newly created sustainability position within Blaine County in collaboration with and/or supported by participating cities. This position shall be created by January 2022.

An action plan to achieve 100% clean energy shall be submitted to the public by August 2021, and the plan shall be approved by city governments and the County by January 2022.

Collaborative Process



SIERRA CLUB
IDAHO CHAPTER



IDAHO
CONSERVATION
LEAGUE



**IDAHO
POWER.**

An IDACORP Company



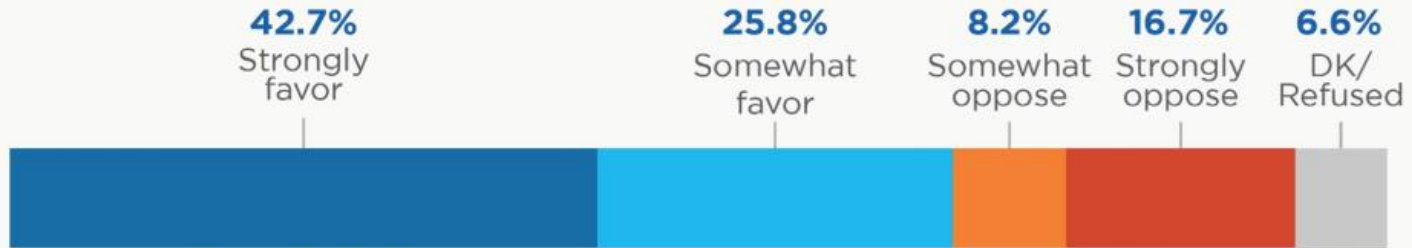
Conservation Voters
FOR IDAHO



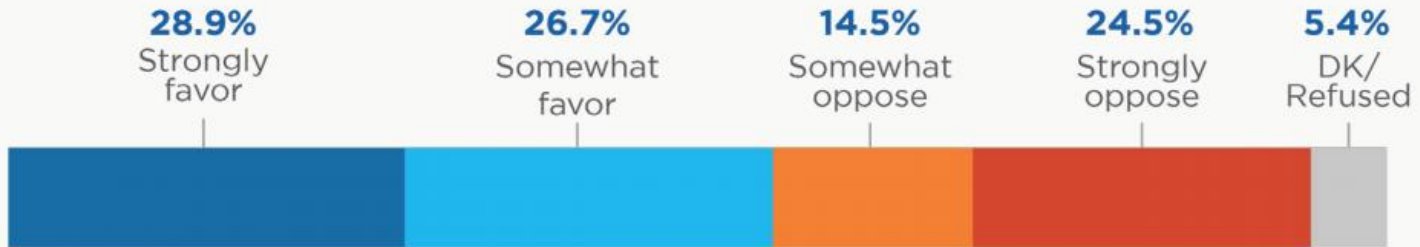


Elaine French, Julie Weston, Claire Casey, Daralene Finnell, Robert Lonning, Wendy Chase, Pamela Plowman, Janet Abromeit, Miles Teitge, Gail Severn, Brent Robinson, Dana DuGan, Sarah Polk, Trevor Hitchin, Julia Richardson, Elise Lufkin, Margit Donhowe, Lou Lunte, Frank Batcha, Marylyn Pauley, Jo Lowe, Carolyn Coiner, Anne Jeffery, Ted Stout, Bill Boeger, Mitch Long, Kay Van Hees, Bruce Smith, Jack Kueneman, Rebecca Patton, Lisa Stelck, Crystal Thurston, James Rosenfeld, Peggy Dean, Lynn Gray, Evelyn Phillips, Eliza Walton, Scott Friedman, Katrina Vander Heuvel, Courtney Smart, Michelle Kukurin, Karin Lindholm, Deborah Greenberg, Emily Williams, Michael David, Scott Runkel, Frances Cheston, Martha S Bibb, Elizabeth Cashin, Chris Papp, Carlin Olson, Elizabeth Jeffrey, Carolyn Lister, Paul Gregory, Kely Jensen, Judy Havey, Deborah Commons, Martha Morvant, Steven J. Benson, Amy Jonas, Gayle Kerr, Molly Page, Toni Whittington, Marcia Kent, Brooke Pace McKenna, Gloria Carlton, Sally Metcalf, Paula Viesturs, Sue Petersen, Jennifer Stahl, Gaston Zuain, Tyler Hill, Paige McNeil, Cathy Friedman, Joshua Johnson, Richard English, Peter Schmid, Anita Whelan, Katie Beacham, Paul Cavallo, Joyce Friedman, Simone Kastner, Ursula Hulbert, Wahneta Trotter, Ted Stout, Candace Ireland, Holly Mora, Jan Sommer, Julie Evans, Warren Benjamin, John Kaiser, Fred Burmester, Victoria Roper, Susan Marie Mohler, Ryan Rosmarin, Annie Weber, James Paisley, Richard Schupack, Mary Burns, Susan Hansen, Andy Bell, Elizabeth Bell, James McClatchy, Alexandra Delis-Abrams, Allison Gingrich, Annelies Ware, Ralph Pavone, Jodi Herlich, Scott Featherstone, Marc Longley, Marta Gutiérrez, Jamilynn Kaiser, Ford Van Fossan, Marycarol Nelson, John David Davidson, Danny Gariepy, Anita McCann, Sandra Willingham, Laura Speck, Jeanne Liston, Maura Pfeiffer, Katherine Noble, Alison Burpee, Traci Ireland, Catherine Chanel, Lisa Holley, Scott Pinizzotto, Char Thompson, Peter Atkinson, Sheila Plowman, Paul Willis, Eleanor Jeffrey, Martha Claudia Ramírez Fuentes, Tawni Baker, Elizabeth Lowry, Patricia Rawlinson, Gretchen Basen, Lauri Bunting, Sanddra Koenig, Christian Petersen, Anne Deangelo, Gwen Thompson, Thecla Campbell, Kathryn Graves, Steve Trefaller, Laura Drake, Alysha Oclassen, Marcee Graff, Mary Malkmus, Jody Moss, Thomas Rule, Annika Witt, Greg Bearce, Amy Mattias, Hollie Bearce, Tisa McCombs, Mogan Lyon, Nancy MacKinnon, Kendall Verge, Reed Boeger, Sharon Grant, Linda Bowling, Lindsay Boeger, Anita McCann, Jennifer Barrett-Neet, Stacy Whitman, Molly Goodyear, Denise Simone, Cece Osborn, Terry O'Connor, Jon Mancuso, Jane Rizzo, Gavin McClurg, Mattie Mulick, Jeremy Fryberger, Theresa Williams, Sloan Storey, Barb Kruse, Jonathan Swerdloff, Melissa Masucci, Holly Gawlinski

Would you support or oppose having the state transition to 100% clean energy by the year 2050?



Would you support or oppose having the state transition to 100% clean energy by the year 2050 if it meant an increase in your power bill?



What do commitments look like in Idaho?

Municipal / County Commitments	Target Year	Clean Electricity	Clean Energy	EV Transition	Commitment Made in...
Boise	2035	2035			2019
Pocatello	2045	2045			2019
Ada County	2045	2045			2019
Meridian	2045	2045			2020
University of Idaho	2030	2030			2010
Mayoral Commitments	Commitment made by...				
Ketchum	Nina Jones				2017
Dover	Annie Shaha				2017

Burlington was the first US city to achieve 100% renewable energy...



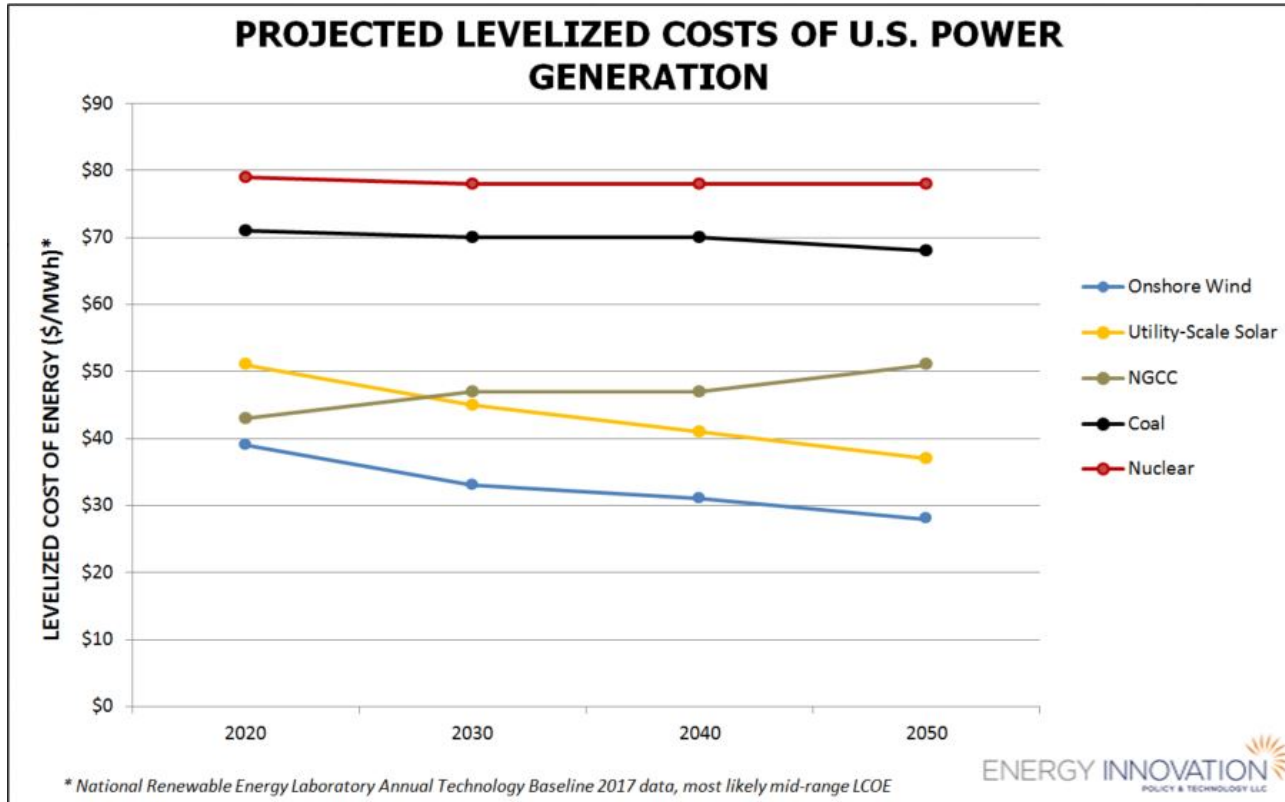
“There’s nothing magical about Burlington. We don’t have a gift from nature of ample sun or mighty winds or powerful rivers, so if we can do it, so can others.”

Burlington was the first US city to achieve 100% renewable energy...

- Use what is already available
- Invite private investment and initiative
- Engage in regulatory process



What is the benefit for Boise? Could this be Blaine County?



What is the benefit for Boise? Could this be Blaine County?

Electricity Roadmap Scenarios (through 2040)

(In millions of dollars)

Scenario Title	Contribution to Goal	Cumulative Capital and Operational Cost	Cumulative Operational Savings	Net Present Value	Cumulative Risk or Benefit	Total Value with Risks and Benefits
Business as Usual	44%	\$140M	\$90M	(\$40M)	\$30M	(\$10M)
Boise's Best	100% by 2040	\$520M	\$900M	\$210M	\$400M	\$610M
Accelerated	100% by 2035	\$590M	\$950M	\$200M	\$440M	\$640M

“Under a business as usual scenario, energy costs are expected to increase to \$580M in 2040. On the other hand, the combined financial performance of the strategies in this plan is estimated to have a positive **net present value to the community of \$210M...**”

“...not pursuing these opportunities will be a risk to the community through increased health care costs, negative impacts to the agricultural industry, and greater prevalence of natural disasters.”

- *Boise's Energy Future, page 5, and page 15, 2019*



BOISE'S
ENERGY FUTURE
A community-wide energy plan.

- Climate Action Division
 - Steve Burgos: Public Works Director
 - Steve Hubble: Climate Action Manager
- Next Steps:
 - Stakeholder Group
 - Technical/Feasibility Meeting
 - Statewide Group

Intergovernmental Support

- Shared goals and strategies
- Collective negotiations with Idaho Power
- Cooperative projects
 - Efficiency programs, solar installations, public information campaigns, etc.



Finally...

The best time to plant a tree was twenty years ago, the second best time is today. -African proverb

Your future is created by what you do today, not tomorrow. -

Robert Kiyosaki



Questions and Discussion