

## Ketchum Sustainability Action Plan – 2019

*Leading by Example in Environmental Stewardship and Conservation*



The City of Ketchum developed a comprehensive sustainability plan to **lead by example** in their own operations, inspire the community and outline long-term targets towards a resilient future. Annual action plans will be developed to outline steps to be taken towards these targets.

The City strives to be vibrant, connected, sustainable and safe. **Sustainability is essential to the vitality and resilience of our community.** To achieve greater resilience, the City is focusing efforts in three categories: **energy, water and waste.**

The Ketchum Sustainability Advisory Committee (KSAC) is providing guidance for this initiative. Members of KSAC include Rebecca Bundy, Courtney Hamilton and Betsy Mizell. And, Katrin Sharp will be the staff liaison for this initiative.

The City has set sustainability goals, engaged stakeholders, established benchmarking to track performance, researched best practices and trends, and analyzed policies to develop a near-term and long-term sustainability strategy based on the professional advice of Sharon Grant, Open Spaces NW.

In addition, the City is committed to **transparency** and will report on performance related to sustainability goals to staff and the community via the City website and the “Word on the Street” newsletter as well as maximize communication through utility bills.

## Energy



### Long-Term Energy Targets

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 municipal vehicles by 2030

## 2019 Energy Goals – to be completed by December 31, 2019

Maximize Building Efficiency	Goal
Municipal Buildings	Upgrade all interior and exterior lighting fixtures to LED
	Install occupancy sensors in all relevant spaces such as bathrooms, storage and mechanical spaces
	Replace the AC and baseboard heating with min-split heat pumps in the streets warehouse #1
	Implement standard operational procedures across municipal buildings
	Be strategic about the upcoming new City Hall renovation and pursue Foundational Services funding from Idaho Power funding through the Integrated Design Lab to do studies and modeling
	Upgrade the roof insulation, repair/upgrade exhaust fans and replace the inefficient fridge in the Atkinson Park Building
	Purchase smart power strips for each office/desk
Water and Wastewater Treatment	Replace standard V-belts with notched belts
	Install destratification fans
	Replace electric space heaters with mini-split heaters
	Pursue support from BSU to evaluate options for reliable, resilient back-up power at the Northwood pumping station
Codes and Standards / Incentives	Adopt the 2015 ICC codes for commercial buildings (if the goal is to align with other jurisdictions) or 2018 ICC if Ketchum aims to be a leader
	Focus on enforcement of the building codes, especially those related to energy, water and waste conservation
	Lead by example on the new fire station and obtain LEED Silver certification to respect the requirement of citizens to achieve LEED or NGBS certification to achieve overall energy, water and waste conservation
Disclosure Ordinance	Evaluate strategies for introducing a voluntary disclosure ordinance for local commercial buildings
Decarbonize Energy Supply	Goal

Decarbonize Buildings	Design the new fire station and city hall to be all-electric (no gas)
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Critical Load Resilience	Goal
Critical Load Resilience	Set an example with the new fire station and design to net zero

Transportation	Goal
Municipal Vehicles	Develop a strategy for converting feasible municipal automobiles to EV or hybrid vehicles or electric bikes to establish steps towards zero-emission vehicles
Street Lights	Upgrade all street lights to LED
Public Transportation	Continue to support Mountain Rides with financial contributions and incentives for staff
Parking	Evaluate offering an incentive to offset parking if someone uses bike share, car share or public transportation
EV Charging Station	Continue to evaluate ways to support Blaine County in pursuing a Level 3 fast-charging station, possibly through <a href="http://www.deq.idaho.gov/air-quality/vw-diesel-settlement/">http://www.deq.idaho.gov/air-quality/vw-diesel-settlement/</a> which offsets 80% of the costs, that aligns with the siting of the Idaho Power statewide map
Vehicle Sharing	Consider ways to encourage more Uber/Lyft drivers in Ketchum and ways to encourage greater ridership
Bike Sharing	Continue to support the bike share program
Walkability / Bikeability	Document efforts to expand network of sidewalks and bike routes and establish a plan for future expansion that focuses on 4 <sup>th</sup> Street improvements
Anti-Idling Ordinance	Enforce the current ordinance: "To keep our mountain air clean, reduce greenhouse gas emissions and help our citizens save fuel, Ketchum has a 3-minute maximum idling ordinance. Penalty: \$25"

Renewable Energy	Goal
On-site Solar, Community Solar, Wind, Micro-hydro, Biomass and Geothermal/Hot Springs	Plan for appropriate renewable energy on the new fire station and the Northwood pumping station to provide resilient back-up power for critical services
	Invest in Community Solar <i>if</i> the program by Idaho Power launches and is economically feasible

## Water



### Long-Term Water Targets

1. Complete upgrades to the spring line network by 2022
2. Reduce municipal water use by 40% by 2025
3. Reduce community water use by 40% by 2030

## 2019 Water Goals – to be completed by December 31, 2019

Responsible Water Consumption	Goal
Water Audits and Leak Detection	Implement internal inspection procedures to audit for leaks
Tiered Water Rates	Communicate tiered water rates based on quantity used by updating website and developing monthly messages for bills
High-Efficiency Indoor Fixtures	Audit and install low-flow indoor plumbing fixtures (e.g. toilets, urinals, lavatory faucets and showerheads) in all municipal facilities
High-Efficiency Irrigation	Audit all irrigation operations and upgrade with high-efficiency options, fix leaks and implement a policy to monitor municipal irrigation systems at least every 2 weeks during operating season and correct any leaks, breaks, inappropriate water use or incorrect timing (based on LEED EB+OM)
	Replace plants with drought-tolerant species and minimize turf where appropriate
	Enforce existing ordinance 587* of 10am-5pm
Water Reuse	Continue to put wastewater treatment liquid output to beneficial use (e.g. irrigation)

Aquifer and River Stewardship	Goal
Stormwater and Waste Water Pollution Prevention	Ensure 100% stormwater required to stay on site
	Support ERC in reducing dog waste that threatens river quality

\* Landscape ordinance 587 “The sprinkling or watering of outdoor plantings such as grass, lawns, gardens, ground cover, shrubbery, trees or other landscaping shall be prohibited between the hours of 10:00 a.m. and 5:00 p.m. daily, during the annual time period beginning June 15 and ending September 1”.

## Waste



### Long-Term Waste Targets

1. Analyze converting all wastewater sludge to beneficial use by 2022
2. Eliminate single use plastic in the community by 2025
3. Become a zero-waste community by 2050

## 2019 Waste Goals – to be completed by December 31, 2019

Waste Diversion	Goal
Reduce	Eliminate single use plastics in municipal operations and collaborate with other jurisdictions and organizations to launch a recognition program for local businesses (no plastic bottles, bags, straws or to-go containers)
Reuse	Evaluate ways to support businesses such as the building reuse store
Recycle	Amend the commercial building code to require recycling of construction waste
	Sponsor a community event for e-waste collection
	Amend the Procedures and Guidelines for Special Events to include greater sustainability
	Work with Clear Creek to bundle trash and recycling on bills as well as implement messaging on bills to encourage waste reduction
	Install new recycling bins and signage in key locations such as Atkinsons park
	Install a central battery collection location for the community
Repurpose	Create an incentive through KIC to promote businesses that repurpose materials
Compost	Sponsor community events for yard waste collection for composting
	Evaluate feasibility of putting wastewater treatment sludge to beneficial use

Environmentally Responsible Purchasing	Goal
Environmentally Responsible Purchasing	Amend the municipal Purchasing Procedures with sustainability measures and Operational Procedures based on LEED EB+OM**
	Convert the snack service to a more local, environmentally responsible and healthy option at the Atkinson Park building

\*\*Adopt an environmentally preferable purchasing policy based on LEED EB+OM

- Establish storage locations for recyclable materials (check existing options)
- Identify the five most purchased product categories (e.g. paper, toner cartridges, binders, batteries and desk accessories; lamps; food)
- Identify how e-waste and hazardous waste is to be disposed of