

Sun to Bus to Grid + More

Team Name: Sustainable Grand County

Sustainable Grand

todd@sustainablegrand.org

Tabernash, CO 80478

mobile: 513-722-5752

Primary install location is Granby, Colorado 80446. Nearby towns which will benefit are: Grand Lake 80447, Fraser 80442, Hot Sulphur Springs 80451 and Winter Park 80482.

East Grand School District was recently awarded EPA grants for 2 electric school buses (ESBs). This team would like to explore multiplying the benefits that these buses will bring to the community, such as powering the buses with 100% solar and enabling them to feed the grid during peak hours, which is when the buses are typically finished for the day. This would prevent natural gas peaker plants from firing up to meet our small window of peak demand and save us the expensive peak demand charge we currently pay.

Additionally, we'd like to explore the ESBs in disaster resilience scenarios, such as dispatchable micro-grids and powering disaster shelters. This is especially important to our community which recently suffered the 3rd most destructive wildfire in Colorado history.

3- minute video:

https://www.youtube.com/watch?v=OOYdyYIATEA&ab_channel=SustainableGrand

Team members:

Todd Budin, Executive Director of Sustainable Grand. Experience with sustainable rebuild programs after natural disasters, local climate action plans, co-op clean power and regional air quality programs. Most of his career in product management in Fortune 500 companies.

Chris Michalowski, Energy Advisor for Mountain Parks Electric co-op. Helping co-op members reduce energy usage and electrify by promoting a series of programs and incentives.

Brad Ray, East Grand School District Superintendent. Career includes serving as the superintendent for multiple rural school districts.

Rawak Baker, Nuvve, the leader in Vehicle-to-Grid technology; specializing in ESBs.

Keith Dennis, Beneficial Electrification League; which helps communities get ESBs.

Cody Wilkinson/Matt Stephens, Active Energies Solar, the local solar & storage experts. Matt lost his home in the 2020 wildfire and has since rebuilt NetZero, all-electric.