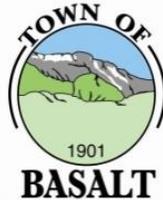


The Green Team Meeting will be held in Town Hall and by Teleconference – The Public may access the meeting by calling the number below and entering the Meeting ID when prompted.

Phone Number: 1 669 900 6833 US
Meeting ID # 820 7495 6946
Passcode: 653470



TOWN OF BASALT MEETINGS
Basalt Green Team
Monday, September 13, 2021

Basalt Town Hall

101 Midland Avenue

- 3:30 PM** **Roll Call**
- 3:31** **Approve Minutes from:**
- July 12, 2021
 - August 9, 2021
- 3:32** **Black Hills Energy Presentation**
- 3:50** **Projects**
- Update on Solar Project
 - Update on Code Amendments
 - Discuss Grant Program
 - Amount of grant
 - What can it be used for
 - Criteria
- 4:40** **Member Updates**
- 5:00** **Adjourn by this time**

Basalt Green Team
August 9, 2021
3:30 pm – 5:00 pm
Via Zoom and at Town Hall

*Attendees included Susan Philp, Sara Nadolny, Catherine Christoff, Phi Filerman, Mary Wiener,
Mike Steiner, Gerry Terwilliger, Amanda Poindexter, Katie Schwoerer
Guest: Jeff Dickinson*

Meeting started at 3:30 pm.

Agenda Items:

- Approve Minutes from July 12, 2021
- Capital Needs Committee (CNC) Update
- Discuss Potential Green Capital Projects
- Follow up on Topics from July Meeting
- Member/Participant Updates

1. Approval of Minutes

The meeting did not have a quorum of members. Approval of the July meeting minutes will be on the September meeting agenda.

2. Capital Needs Committee Update

Gerry provided an update from the Capital Needs Committee. The Committee presented to Council their recommendations to support the construction of a new Town Hall, an affordable workforce housing project, and green initiatives.

3. Discuss Potential Green Capital Projects

Staff is in conversation with Holy Cross Energy, Sunsense, and the School District about creating a partnership, and the most viable place for solar and battery storage. For the project to be of utility scale there needs to be room for ½ megawatt system. Holy Cross would purchase the energy rather than a net-metered system.

A project at the school is intriguing as it gets at the resiliency aspect by creating a true emergency shelter.

Roof-mounted solar systems no longer require roof penetration. The high school is the current focus for a solar project. Gerry suggested other sites, which may include the strip between East Valley Road and Highway 82 adjacent to the Midvalley Medical Center and Linear Park. Susan suggested another area may be at Arbaney Park and the Elementary/Middle School grounds. The

Town also owns land on Basalt Mountain, but there is a condition that requires solar to be accessory as the land was acquired for open space use. There are also issues with the rocky soil, the need to improve access, the need to create staging areas, and potential NIMBYism from neighbors. The land is also close to transmission lines.

Mary noted that the Basalt Vista project is not producing the amount of solar energy originally anticipated. Holy Cross will check into this and provide more detail. Mary suggested checking in with Sunsense/Chris Howard for more analysis of the Basalt High School.

The Green Team is schedule to go before Town Council on August 24th in a worksession to provide an update and workplan. Jeff Dickinson will share his path to net zero.

Jeff said that 2030 represents an important year, as that is the target in which to get to net zero through new construction. The path is set up so that there is an acceleration towards the target every three years.

For commercial/multi-family, the current on-site renewable requirement is 2%. The proposed path would increase this number to 25% immediately, which is a huge jump.

Jeff defined the concept of Electric Ready as having appropriately sized panel and circuitry and including the mechanisms or infrastructure for electric vehicle charging and battery storage. By 2030 no gas will be allowed.

Regarding single family and duplex residences, the proposed changes include increasing the HERS rating every three years, with 100% onsite renewables by 2030. Gas is disincentivized.

Phi noted that per ICL, the Town will need to retrofit 6-8% of its existing building stock each year in order to meet its 2030 greenhouse gas emission goal.

The energy code does not support outdoor heating unit unless it is through a radiant heat system.

A project proposed for 2022 is to create a grant system whereby recipients could upgrade for fuel switching or to become electric ready. Eligible items may include such things as panel upgrades. Criteria will need to be fleshed out but will include income caps in the attempt to keep the grant process equitable.

Another project we may want to consider supporting is the installation of EV chargers at the High School. Catherine, Sara and Phi attended a meeting on this topic, which is student-driven, and are waiting on some follow up.

Gerry expressed support for the installation of 2-3 EV chargers at the high school and to provide some grant money towards the endeavor.

4. Member/Participant Updates

Sara provided information on the Pitkin County Construction & Demolition Waste ordinance. She and another Staff member recently attended a meeting that also included Aspen, Snowmass Village and Carbondale to discuss how Pitkin County's new regulations around construction and demolition waste are being implemented, what has been learned through their process, and whether the Town may be interested in implementing a similar program.

Gerry said he is looking at potential locations for solar PV. He is pushing to move forward with this project.

Mary (Holy Cross) said the electricity use at the pool is up with the new heat pumps. She is interested to see a difference in gas use.

Phi (CORE) encouraged everyone to check out CORE's blog. It contains such things as a solar checklist, induction cooking video and information on the methane leak project at Dutch Creek Mines in Pitkin County. Phi provided an update on the Mountain Region Beneficial Electrification group which is looking for case studies currently. Sara is working with Claire from Walking Mountains on providing information on the pool retrofit project. Phi reported that the state recently passed a state benchmarking program.

Graham (Evergreen ZeroWaste) reported that Evergreen now has a number of partitioned roll-offs available for sorting construction and demolition debris on-site. These are particularly useful for small lots.

Katie believes the Green Team should ask for more funding next year. Susan noted that group will need to be prepared with specific projects.

The meeting adjourned at approximately 5:05 pm.

Basalt Green Team
July 12, 2021
3:30 pm – 5:00 pm
Via Zoom and at Town Hall

Attendees included Susan Philp, Sara Nadolny, Catherine Christoff, Martin Bonzi, Gerry Terwilliger, Pranav Lakhina, Doug MacDonald, Katie Schwoerer, Mike Steiner, Amanda Poindexter
Guest: Jeff Dickinson

Meeting started at 3:34 pm.

Agenda Items:

- Approve Minutes from 6/14/2021
- Roadmap to Net Zero Buildings with Jeff Dickinson
- Discuss Potential Green Capital Project
- Update on Capital Needs Committee
- Member/Participant Updates

1. Approval of Minutes

M/S Gerry Terwilliger and Doug Goldsmith to approve the meeting minutes from June 14, 2021. The motion passed 4 to 0.

2. Roadmap to Net Zero Buildings with Jeff Dickinson

Jeff Dickinson introduced himself – he is an architect and has a company called Biospaces, Inc. Jeff has a focus on energy and sustainable designs. He has worked with the Town of Basalt on the Sustainable Building Regulations rewrite, and also does similar work for Carbondale and Summit County among others.

Jeff told the Green Team that he would like input on what codes are missing that the Green Team would like to add. How is the Town meeting its climate action goals? Jeff's focus is to create a roadmap of how to get to meet the Town's climate action goals through building codes.

Jeff shared with the Green Team a presentation. Ways to meet climate action goals for new construction may be achieved through new zero construction techniques, mandating renewables, beneficial electrification, and eliminating natural gas in buildings.

Sara will send Jeff's report to the Green Team which provides residential and commercial recommendations. Jeff said we need to understand what motivates the building community.

The group discussed the issue of leaving a building unfinished with just the core and shell – the thought was that ultimately tenant finishes should be lesser.

Amanda reported that the Town is on-track to adopt the newest building code (2021 International Codes) in 2021, just behind Aspen and Pitkin County which will probably be in 2022.

3. Discussion Potential Green Capital Project

Susan noted the Green Team needs to talk about battery storage. Battery backup equals resiliency.

Mary said the Town should phase out the use of gas, noting that induction is better than gas for cooking.

Catherine wants embodied energy to be built into the conversation.

Heating the outdoors – how to regulate this?

Items for discussion at next Green Team meeting to include:

- Exterior wall fireplaces are inefficient. Should the Town consider adding a penalty?
- Battery – still fairly new. Will it get to a better technology? Will costs come down?
- Discussion of movable solar arrays
- PV solar field at the high school with battery backup – we need to be careful that the project benefits the Town and not just the school district.
- How to use the Net Zero Roadmap to help in prioritizing projects
- Beneficial electrification – issues and opportunities
 - Payment in lieu of solar could be used to contribute to offsetting heat pumps
 - How to retire existing systems?
 - Retrofitting can be significantly expensive.

4. Capital Needs Committee Update

Gerry reported that at the last Capital Needs Committee meeting there was discussion of priority projects and the results of the public survey.

The circulator shuttle has been removed from consideration due to the ongoing costs associated with operations, which would not fit into the bond.

The idea of placing solar panels over parking spaces has been considered as a Green project, but there are issues such as snow removal, and the Town does not own any surface parking lots.

M/S Doug Goldsmith and Gerry Terwilliger to adjourn. Motion passed.
The meeting adjourned at approximately 5:00 pm.

