



To: Mayor Billick and Town Council

From: Gesa Michel, GV-HEAT and Mel Yemma, Town of Crested Butte

Date: January 31, 2023

Subject: 2022 GreenDeed Annual Report

Background: GreenDeed launched in February 2021 as a collaborative new program that emerged from Crested Butte’s Climate Action Plan (CAP). Crested Butte’s CAP outlined goals to reduce building energy use within the Town of Crested Butte (Town), and specifically identified a strategy of “initiate discussions with GV-HEAT to brainstorm ways to increase the utilization of the program in the northern Gunnison Valley and consider offering financial incentives to cover the cost of the energy assessment and measure installation”.

About GreenDeed: GreenDeed combines Crested Butte’s CAP and affordable housing goals to provide free energy efficiency assessments and upgrades for deed restricted homes in the Town of Crested Butte. This program aims to drive energy efficiency in Crested Butte’s building stock while simultaneously ensuring our resident’s homes remain affordable and comfortable. The Town of Crested Butte budgeted \$30,000 in 2022 to continue the program, which was leveraged with an additional \$11,500 from Gunnison County Electric Association and Tri-State Generation and Transmission Association. GV-HEAT, a program of the Gunnison Valley Regional Housing Authority, administers the program. The total program investment includes administration costs, marketing, and assessment and energy retrofit costs for participating homes, with a maximum of \$5,000 per home.

2022 Review: In 2022, 15 homes were weatherized through the GreenDeed program, which included a mix of single-family homes, duplexes, accessory dwelling units, and condos. 4 additional deed-restricted households were served through Colorado’s Affordable Residential Energy Program (CARE) based on their income. These achievements directly meet the CAP goal of increasing utilization of GV-HEAT. GreenDeed saw significant interest in the program. There are currently 6 households on the waitlist.

Program Results: On average, \$2,550 was invested per household for an energy assessment and energy efficiency improvements. Projected annual energy savings per home range from \$72 to \$478. Smaller projected annual savings were due to newer units that were more efficient. 1 home was so energy efficient, they did not need any energy retrofits and 2 homes only needed minimal lighting upgrades and water saving measures. On average, the participating homes are projected to save \$220 annually on their utility bills, a significant savings in a household’s annual expenditures. Additionally, the average reduction in air leakage per home was 19% (i.e. conditioned interior air leaving the house to the outside was reduced by 19%). This is a considerable amount since the general target is a 10% air leakage reduction.



2023 Plans and Recommendations: The Town of Crested Butte and GV-HEAT plan to continue GreenDeed in 2023 with weatherizing another 15 homes, starting with households on the waitlist. Additionally, thanks to a funding increase from the Town of Crested Butte, a new phase of GreenDeed will launch in 2023 where homes who have participated in the program so far will be eligible to connect with a home energy consultant to identify additional energy efficiency, renewable energy, and electrification opportunities and be eligible to receive a \$2,500 annual rebate to put towards making these improvements. This new phase of GreenDeed will launch in February 2023 with outreach to eligible households and marketing through the community.