AGENDA ITEM or FINAL CONTRACT REVIEW SUBMITTAL FORM

Agenda Item: Gunnison County Strategic Plan Implementation Upda

Action Requested: Discussion

Parties to the Agreement:

Term Begins: **Term Ends:** **Grant Contract #:**

Summary:

Updates on progress on Board's Strategic goals B-3, B-4, and B-5

Fiscal Impact:

Submitted by: John Cattles **Submitter's Email Address:** jcattles@gunnisoncounty.org

Finance Review: ○ Required ◉ Not Required

Comments:

Reviewed by: Discharge Date:

County Attorney Review: ○ Required ◉ Not Required

Comments:

Reveiwed by: Discharge Date: Certificate of Insurance Required

Yes ○ No ○

County Manager Review:

Comments:

Reveiwed by: GUNCOUNTY1\jost Discharge Date: 6/8/2018

○ Consent Agenda ○ Regular Agenda ○ Worksession Time Allotted: 45

Agenda Date: 6/12/2018

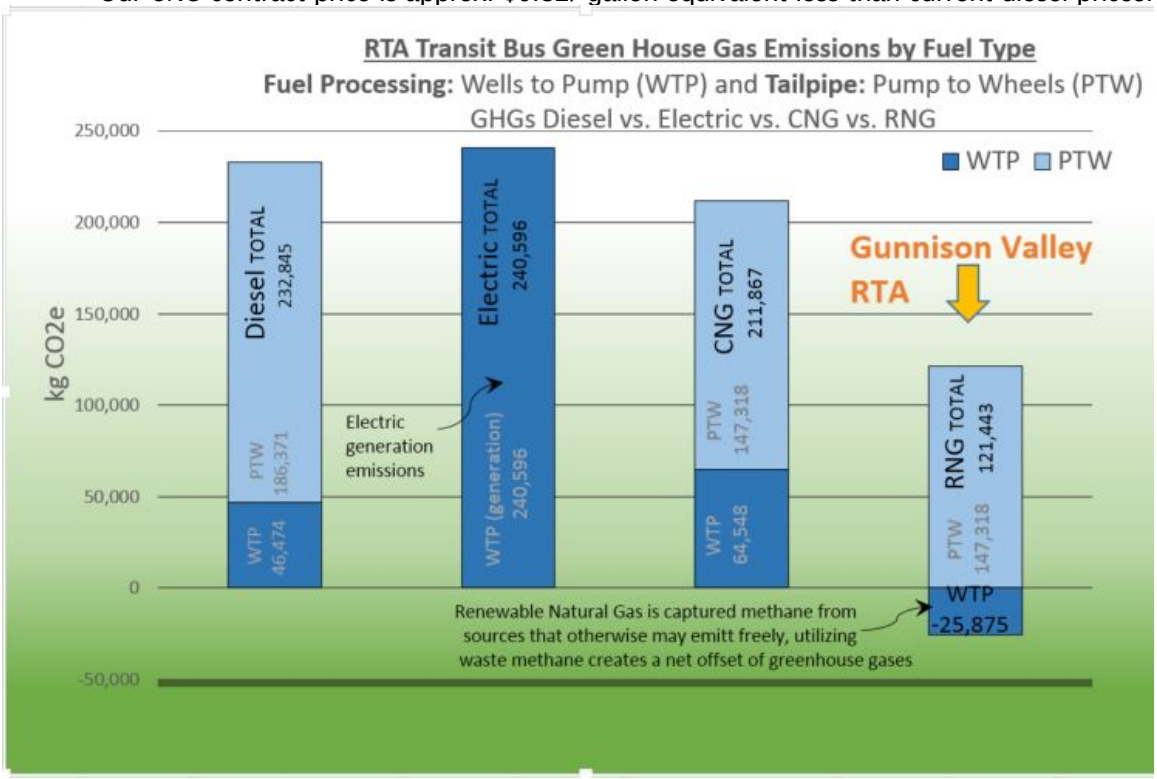
Revised April 2015

B-3. In each year from 2017 to 2022, Gunnison County will achieve 10% energy savings per year on an operation, facility or service-delivery basis.

The renovation of the Family Services Center and the geothermal based HVAC system is the project identified to achieve this goal for 2018 with measurements taken to verify performance in 2019. There was no project undertaken in 2017; FSC was the targeted project but was delayed until a successful grant in late in 2017. Potential future projects include: variable speed drives for Antelope pump station, PV system for Courthouse, and HVAC retrofit at Blackstock.

B-4. By December 31, 2019, 26 fleet vehicles will have been converted to natural gas.

- We have 10 vehicles and 1 RTA bus on the road from 2017. We have received funding for a grant to purchase 5 more light trucks in 2018, bringing the total County fleet vehicles to 16. RTA has ordered 3 more buses as well for a total of 4. I plan to apply for another EIAF grant from DOLA in August for another 5 vehicles and will confirm with Public Works which vehicles are up for replacement.
- According to Dr. Chavez's "wells to wheels" analysis light trucks utilizing CNG emit 15% less GHG's than gasoline. RTA buses utilizing CNG and RNG emit 48% less GHG's.
- Our CNG contract price is approx. $0.82/ gallon equivalent less than current diesel prices.



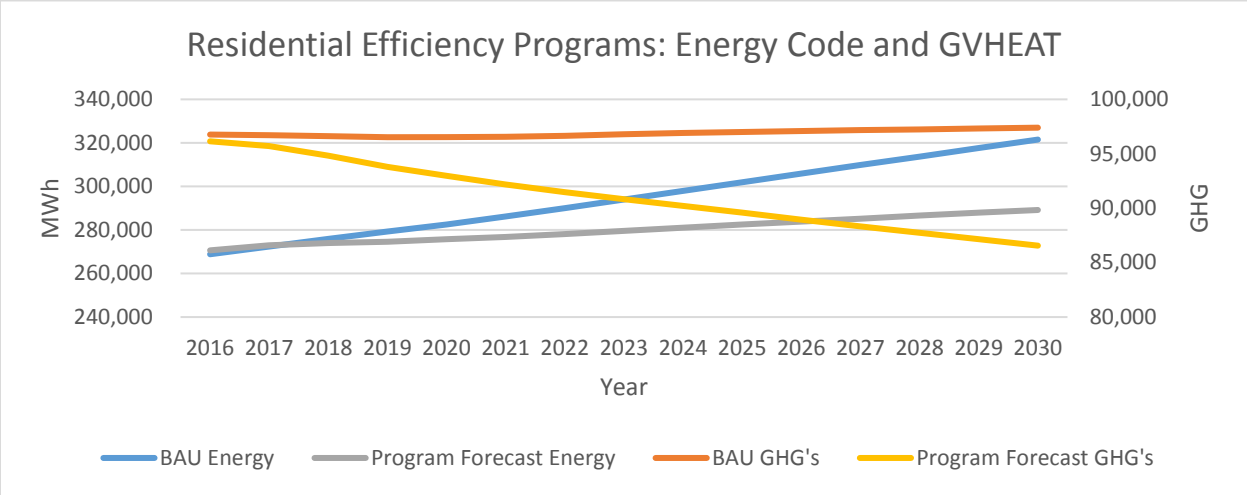
B-5. By December 31, 2030, Gunnison County will work to reduce energy use impacts and lower greenhouse gas emissions by 20% from 2005 levels, as measured by:

☐By December 31, 2030, Gunnison County will provide leadership to convene stakeholders and facilitate the development of local alternative energy sources and increased efficiency in utilities resulting in declining annual emissions measured by mCO2e/mBtu; and

- GCEA is pursuing a 1MW photovoltaic project in the valley
- WSCU is also pursuing a large photovoltaic project in the range of 500kW-1MW

☐By 2020 EUI (energy use intensity) will be declining from 2015 levels in residential and commercial new and existing construction with a target of 20% reduction by 2030

- GVHEAT program started in fall of 2017 and received CARE grant funding over the winter. Fully funded program leverages several funding sources and can retrofit homes for low-income households to safe energy.
- 2015 Energy Code adopted, studies indicate homes built to code standard will use 50% of the energy used in average Gunnison homes.
- CoPACE adopted to encourage commercial investment in efficiency
- Combined GVHEAT and Energy Code will have a measureable effect on GHG's created by residential homes even with growth. Chart below depicts a 10% reduction in residential GHG's by 2030.



Note: assumes GVHEAT retrofits 50 homes per year at a 30% energy savings per home and new homes are built at State Demographer forecast rates and are 50% more energy efficient than current.