

Outlook

Fwd: Follow up: CITCO Technical Information Required - 855400 LLC

From Haecker - CEO, Lille <lille.haecker@state.co.us>

Date Fri 3/13/2026 3:21 PM

To Nathaniel Dungey <nathaniel.dungey@clearesult.com>

Redacted

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Hi Nate,

See the attached information and share it with the technical review. Like I mentioned, please provide the review results no later than 3/23.

Best,
Lille

----- Forwarded message -----

From: Stewart G. Austin, Jr. <saustin@glankler.com>

Date: Fri, Mar 13, 2026 at 2:53 PM

Subject: RE: Follow up: CITCO Technical Information Required - 855400 LLC

To: CITCO - CEO , CEO <ceo_citco@state.co.us>

Cc: Lille Haecker - CEO <lille.haecker@state.co.us>, Wil Mannes - CEO He Him <wil.mannes@state.co.us>

Please see below and attached in response to your questions below. Please confirm you received this and let me know if you need anything further.

· **Industrial Process Equipment sub-application:** Please provide the CEO with the equipment list for the industrial process change project. Additionally, more concrete GHG calculations are required using the equipment from the list. Certainty around

scope 1 emission reductions is required to determine the merit of this application.

Ind. Process Eq Elect._GHG Avoidance Calculator_CITCO Round 4 has been updated to include equipment breakout of each WBS. Highlighted cells represent revisions.

From the 855400 CITCO Application Revisions Checklist 2.26.26 document, High Efficiency Pumps and Motors Sub-Application:

It appears that an overall/general savings factor of 20% reduction in energy consumption was applied for all projects. What is the rationale for this/where was this assumption pulled from?

The US DOE publication Motor Systems Tip Sheet #11, Adjustable Speed Drive Part-Load Efficiency: DEO/GO-102012-3730, November 2012 was referenced to generate the energy reduction factor. 20% is a conservative reduction in energy consumption from the example shown in DOE/GO-102012-3730 that closer represents the average energy savings

Redacted

Does/will this accurately align with how the equipment will operate with and without the VFDs? Yes, all process equipment will be sized appropriately for the design basis and operate close to the best efficiency point (BEP) for normal operation, regardless of drive type.

The bolded comment above in the checklist response references

Redacted

Redacted

study with emphasis on speed control. Section IX the case study describes using the same US DOE publication Motor Systems analysis and reports an estimated energy savings of 58% (20% used CITCO application).

In the case study for **Redacted** it was found that the process equipment was oversized in most cases, which lead to the larger 58% estimated savings. As mentioned in the 855400 CITCO Application Revisions Checklist 2.26.26 document the BAU case would be appropriately sized based on the **Redacted** operating conditions. And it would be expected to see a lower energy reduction than stated in the US DOE publication Motor Systems Tip Sheet #11: DEO/GO-102012-3730 and the **Redacted** **Redacted** Study.

· **Waste Heat Recovery sub-application:** Please present and discuss the waste-heat recovery strategy and the plant's design capacity. Use this information to demonstrate

that the scale of the waste-heat quantities they intend to recover is reasonable. Provide high-level calculations and narrative explanations outlining the facility's thermal energy balance under different seasonal conditions: a representative cold-weather month and a warm-weather month. This does not require a full analysis of year-round load sufficiency, but show the temperature and quantity of recovered heat are appropriate for the end uses you propose. The design capacity of the system determines the reduction in scope 1 emissions, which is a heavily weighted requirement to determine merit of this application.

Attached calculation sheet for process and building heating. Full year-round analysis included.

Also attached is the risk table previously discussed.

Stewart G. Austin, Attorney

Glankler Brown, PLLC

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6000 Poplar Avenue, Suite 400, Memphis, TN 38119

From: CITCO - CEO , CEO <ceo_citco@state.co.us>

Sent: Tuesday, March 10, 2026 4:06 PM

To: Stewart G. Austin, Jr. <saustin@Glankler.com>

Cc: Lille Haecker - CEO <lille.haecker@state.co.us>; Wil Mannes - CEO He Him <wil.mannes@state.co.us>

Subject: Follow up: CITCO Technical Information Required - 855400 LLC

Dear applicant,

During the most recent technical review of your application, the technical team flagged discrepancies that must be resolved to prove project feasibility and move the sub-applications to the evaluation committee.

· **Industrial Process Equipment sub-application:** Please provide the CEO with the equipment list for the industrial process change project. Additionally, more concrete GHG calculations are required using the equipment from the list. Certainty around scope 1 emission reductions is required to determine the merit of this application.

· **Waste Heat Recovery sub-application:** Please present and discuss the waste-heat recovery strategy and the plant's design capacity. Use this information to demonstrate that the scale of the waste-heat quantities they intend to recover is reasonable. Provide high-level calculations and narrative explanations outlining the facility's thermal energy balance under different seasonal conditions: a representative cold-weather month and a warm-weather month. This does not require a full analysis of year-round load sufficiency, but show the temperature and quantity of recovered heat are appropriate for the end uses you propose. The design capacity of the system determines the reduction in scope 1 emissions, which is a heavily weighted requirement to determine merit of this application.

There are a couple more technical discrepancies for the High Efficiency Pumps and LED sub-application, but those deliverables would be included as milestone deliverables in the Statement of Work, if awarded. The CEO is in need of the former technical information for Industrial Process Equipment and Waste Heat Recovery in order for those sub-applications to also move to the evaluation committee.

Please acknowledge receipt of this request and provide the information within 3 business days.

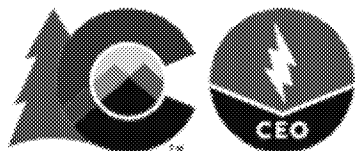
Sincerely,

The CITCO team

--

Lille Haecker, MBA (she/her)

Program Manager -- Industrial (CITCO) and Geothermal (GETCO) Programs
Strategic Initiatives & Finance



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