

Settlement Program Supplemental Application

CDOT 2020 Consolidated Call for Capital Projects

Please review the questions below and answer each one to the best of your ability and as concisely as possible. For questions that do not apply to your application, please write "N/A". Do NOT leave any questions blank.

Please attach this completed application plus any and all relevant written plans, studies, data, or documents in support of your answers. Please note that the attachment of planning documents is not a substitution for answering the questions - please respond in full to each and refer to specific sections of the written attachments as appropriate.

Recommended: For longer answers, it is more effective to draft your response in a separate Word or Text document, then cut and paste into the response field.

Agency Name:

Contact Name:

Email:

Phone:

Section A: Describe your agency's fleet electrification and/or alternative fuel transition planning efforts to date and how this funding request will support that implementation.

1. Does your agency have documented short and/or long-term fleet electrification or alternative fuel transition plans?

Yes

No

In Progress

- If Yes or In Progress, please upload a copy of each related document in the Attachments section on COTRAMS.

2. What is your long-term goal (5-year, 10-year, etc.) for the number or percentage of electric and other alternative fuel vehicles in your fleet?

- What is the projected timeline for achieving your long-term fleet transition? What phases or milestones have been established?

3. How does this specific funding request support your long-term fleet electrification goals (is it a pilot project, an early phase of a transition plan, the final phase of transition, etc.)?

4. What buy-in has been established for this fleet transition among your agency leadership, staff, and members of the public?

- How do you plan to maintain support over time for your fleet transition plans among staff, leadership and the public?
- Who is/are the public or institutional champion(s) for this effort?

5. How will your agency determine whether or not this project is successful?

- What specific data, metrics, or other outputs will you use to measure success?

- What *positive* result(s) would convince your agency to continue the transition beyond this project?

- What *negative* result(s) might convince your agency to discontinue or reduce the transition beyond this project?

- What non-monetary benefits is your agency hoping to achieve through this fleet transition?

Section B: Describe your agency's operational planning as it relates to the fleet transition.

1. What specific route or routes have you identified for the potential operation of the vehicle(s) included in this funding request?

- Describe the characteristics of each route(s) identified, including total distance, length of service period, elevation gain/loss, climate, or other pertinent factors and characteristics that have or will influence this selection.

- Describe your agency's modeling, analysis, and/or real-world trials to gauge the viability of each of the specific route or route(s) using an electric or alternative fuel bus.

2. Based on your route analysis, describe any adjustments to existing operations that you anticipate to make the project successful (for example route and schedule adjustments, on-route charging, etc.).

3. Describe any driver training requirements necessary for the successful implementation of this project.

4. Describe your vehicle maintenance plans and any maintenance personnel training necessary for the successful implementation of this project.

5. Identify what trained technicians are available for this vehicle type in your area. And are they internal staff or external providers?

Section C: Describe your agency's planning for power or fuel delivery.

Electric Vehicle Applicants Only (others enter N/A for all responses)

1. Who is the electric utility provider(s) in your service area?

2. Describe your agency's coordination efforts with your electric utility regarding your fleet electrification plans, including any feedback, support, rate negotiations, and/or make-ready investments that they are able to offer.

3. Describe how the rate structure and demand charges in your utility area are anticipated to impact the cost of operating electric buses.

- Describe your agency's strategy to minimize the impact of these demand costs.
- Describe your anticipated charging schedule for the electric vehicles and any anticipated impacts to your existing route service.

4. What do you estimate will be the average (total and per mile) electricity costs (including demand charges) for this project?

5. Identify the specific facility location(s) at which these vehicles will charge.

- For each facility, describe the anticipated equipment and infrastructure needs, including the type, power level, and number of chargers and any electrical infrastructure upgrades (such as new transformers) that may be needed.

- How do you intend to fund these modifications?
- What do you estimate will be the overall cost of these combined modifications?
- How large of an electric bus fleet will these facility modifications be able to support including and beyond the current project?
- How do you plan to charge between or during routes? How will the location of such chargers affect your route planning?

RNG Vehicle Applicants Only (others enter N/A for all responses)

1. Who is your current or anticipated CNG (or RNG) supplier?

2. Does your current or anticipated provider offer RNG as an option?

Please note that this is a requirement of any award for a CNG vehicle using Settlement Program funds.

3. What new or additional CNG fueling infrastructure will be required for this project and at what cost?

Section D: Describe your agency's financial plan for successfully implementing a fleet transition and how this funding request supports it given that the State's Settlement funding is expected to be short-term.

1. Describe how your planned fleet transition will impact your agency's finances in the short, medium, and long term?

- How will you fund the up-front investments?
- What are your anticipated cost savings over time?

2. Describe the changes you project in your agency budgets as a result of this transition, including shifts in operating vs. capital budgets.

3. Describe the anticipated lifecycle costs (decreases or increases) of the new vehicles and how they compare to the current fleet.

- Describe your anticipated cost break-even analysis for these individual vehicles and for your agency's whole fleet transition.

- Describe what risks you perceive or anticipate in successfully meeting your projected or needed budget goals, and *how your agency is planning to mitigate those risks.*