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CONTACT INFORMATION

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PROJECT NAME	Egg Harbor City Transit Hub EV Charging Station
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PROJECT CATEGORY OR CATEGORIES (choose from 1-9 in "Eligible Projects" section above)
1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input checked="" type="checkbox"/>

PROJECT PRIORITY Priority # 1 of 1 proposals If submitting more than one proposal, what is the sponsor's priority of this proposal?

PROJECT BUDGET \$ 33,000.00 Provide total estimated project budget, include source and amount of cost share if applicable. 100% funding requested
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PROJECT DESCRIPTION (Briefly describe the project by completing the following questions)
Geographic area where emissions reductions will occur? Egg Harbor City/Atlantic County
Estimated size of population benefitting from the emission reductions? 100,000
Estimated useful life of the project? 10
Number of engines/vehicles/vessels/equipment included in the project? 4
Estimated emission benefits should be expressed in tons per year (TPY) of emission reduced for NOx and for PM 2.5 over the lifetime of the project. Identify methodology used. Estimated NOx benefits? 0.04 TPY Methodology Used? EPA Average Annual Emissions (EPA420-F-08-024) Particulate matter (PM 2.5) benefits? 0.00 TPY Methodology Used? EPA Average Annual Emissions (EPA420-F-08-024)
Will the project benefit one or more communities that are disproportionately impacted by air pollution? If so, please describe. The proposed project is proposed to reduce passenger car emissions emitted primarily in Atlantic and and Camden Counties.

<p>Project partners, if any? City of Egg Harbor</p>
<p>Explain how the project will provide cost effective and technically feasible emission reductions. Cost effectiveness should be expressed in dollars per ton per year of emissions reduced for NOx and for PM 2.5. Cost for NOx reduction is \$825,000 per ton. Cost for PM 2.5 reduction is \$150,000,000 per ton.</p>
<p>Estimated timeframe for implementation? Include a project timeline that identifies start and end dates, as well as the timeframe for key milestones. Example notification of funds on May 1st. Formal acceptance of funds by City by June 1 (30 days); Design and Bid project by July 1st (30 days); Open Bids and award project by August 1st (30 days); Construction completed by September 1st (30 days) Total schedule to completion from notification is 120 days.</p>
<p>Demonstrated success in implementing similar projects? The City's Engineer, Remington and Vernick, has designed and coordinated the installation of numerous electric vehicle charging station locations. The nearest such example is the Wave Garage in Atlantic City, NJ.</p>
<p>If your proposed project involves alternative fuels, provide a demonstration of current or future plans to provide adequate refueling infrastructure.</p>
<p>Has your organization been approved to receive and expend any other grant funds related to this project? If so, please provide details.</p>
<p>Please provide any additional information that supports this project. The City of Egg Harbor is fortunate to host numerous public transit options available to area residents. The City has invested heavily in improving infrastructure related to its public transit options having completed around \$500,000 in work to construct the current "Transit Hub" area. This includes a 121 space parking lot to supplement the 100 spaces provided by NJ Transit, two bus turnouts to accommodate a stop along NJ Transit Bus Route 554,</p>

Two additional pages have been provided as supplemental space to answer any of the questions above.

Supplemental Page 1

and related pedestrian improvements around the facility to improve access to area residents. The existing rail and bus stops are frequented by residents from Egg Harbor City, Mullica, Galloway Township, Hamilton Township, Egg Harbor Township, and Port Republic.

The NJ Transit Atlantic City Line is popular with daily commuters to both Atlantic City and Philadelphia. Identifying the popularity of the public transit options and the need for improvements to the facilities, the City constructed the parking lot, bus turnouts, crosswalks, and other pedestrian safety improvements in early 2011. When the planning and design of the project was being undertaken, electric vehicle charging stations were not common at such facilities. Now EV Charging stations are seen at many park-and-ride facilities throughout the state.

The City would like to add two dual charger kiosks providing a total of 4 electric vehicle charging connections. The parking spaces dedicated for those chargers would be in the front row of the lot, immediately adjacent to the existing ADA spaces. These spaces would be dedicated for EV vehicle charging only. This would encourage individuals to drive their EV to the train station for travel to Atlantic City or toward Philadelphia.

The proposed facility, while it will not significantly reduce NOx and PM2.5 emissions, will provide additional daily transportation choices for local residents. Given the still somewhat limited range of EV vehicles, the availability of a charging station at the Transit Hub may encourage local residents to purchase an EV.

Egg Harbor City Transit Hub Area

