

NJ Cool Emissions & Energy Summary Form

See Emissions SOP document for additional guidance and methodology to complete this form. Note, not every project will have avoided emissions in all categories. If the category is not relevant to your project scope (for example, the project only is switching fuel for heating and does not include refrigerant replacement), please enter 0 for that line item. Please attach supporting documentation as appropriate. These estimates are for program reporting and tracking purposes. The magnitude of the projected emissions avoidance does not affect program eligibility or potential award size.

PROJECT ADDRESS:

E. TOTAL ESTIMATED OPERATING EMISSIONS REDUCTIONS:

<u>Pollutant</u>	<u>Symbol</u>	<u>Unit</u>	<u>B. Annual Emissions Avoided due to Heating Fuel Switching</u>	<u>C. Annual Emissions Avoided due to Refrigerant Replacement</u>	<u>D. Annual Emissions Avoided due to Other Measures</u>	<u>E. Total Annual Emissions Avoided =B+C+D</u>	<u>Lifetime Emissions Avoided (15-year total) =E X 15</u>
Greenhouse gases	CO ₂ e	metric tons					
Nitrogen oxides	NO _x	pounds					
Fine particulate matter	PM _{2.5}	pounds					
Particulate matter	PM ₁₀	pounds					
Volatile organic compounds	VOC	pounds					
Carbon monoxide	CO	pounds					
Sulfur oxides	SO _x	pounds					

F. OVERALL ELECTRICITY AND FUEL CONSUMPTION:

<u>Energy Source</u>	<u>Unit</u>	<u>Average Annual Consumption Pre-Construction</u>	<u>Estimated Annual Consumption Post Construction</u>
Electricity (grid supplied) ¹	kWh		
Natural Gas	therms		
Heating Oil	gallons		
Propane	gallons		
Other Fuel:			
Other Fuel:			

1. This value is total electricity demand supplied by sources external to the building or adjoining property (site). On-site electricity generation and/or storage installed as part of the project would not be accounted for in this number.

Name of Preparer: _____

Signature : _____

Qualification Type: _____

Credential Number/Designation: _____

Provide the following information for each existing building heating system. Please indicate whether each existing building system is to remain in service or be replaced as part of the project:

Existing Building Heating Systems						
Equipment Type	Quantity	Equipment Manufacturer and/or Brand	Equipment Model/Fuel Source/Description	Equipment Model Year	Capacity/Size	Replacing through NJ Cool Y/N

Provide the following information for any new building heating system to be installed as part of the project.

Proposed Building Heating Systems					
Equipment Type	Quantity	Equipment Manufacturer and/or Brand	Equipment Model/Fuel Source/Description	Equipment Model Year	Capacity/Size

Provide the following information for each refrigerant system utilized in the building, including both primary and supporting refrigerant usage. Please indicate whether each existing building system is to remain in service or be replaced.

Existing Refrigerant Usage													
Equipment Type	Quantity	Equipment Manufacturer and/or Brand	Equipment Model/Description	Equipment Model Year	Equipment Use	Full Charge (lbs.)	Annual Leak Rate (%/year)	Operational Year(s) for which annual leak rate is based on	Refrigerant	Refrigerant GWP	GWP Data Reference/Source	Date of Installation (estimated if unknown)	Replacing through NJ Cool Y/N

Provide the following information for each new refrigerant system proposed to be installed during the project, including both primary and supporting refrigerant usage.

Proposed Refrigerant Usage										
Equipment Type	Quantity	Equipment Manufacturer and/or Brand	Equipment Model/Description	Equipment Model Year	Equipment Use	Full Charge (lbs.)	Estimated Annual Leak Rate (%/year)	Refrigerant	Refrigerant GWP	GWP Data Reference/Source

Please note, you may include additional pages or supporting documents as necessary