**Custom Project Input Requirements**

The general requirements for all custom projects are the custom application, contractor quotes\*, 24 months of gas usage, engineering specifications or cut sheets, and consulting engineer’s calculations (if available). Every custom project is unique in itself so additional specific parameters may be required. \*Itemized pricing for each EE measure is required and should only include gas related equipment and installation costs.

 **Boiler Replacement/Burner Replacement:**

o   12-month gas history (if oil to gas conversion, try to obtain 12 months of oil delivery records or summary),

o   Proposed boiler (or burner if only replacing the burner) make AND model number,

o   Existing boiler (or burner if only replacing the burner) make AND model number,

o   Existing boiler age

o   Do the existing boiler provide only heat or both heat and DHW?

o   Proposed boiler (or burner if only replacing the burner) cut sheets

          **DHW Heater/Boiler Replacement:**

o   12-month gas history

o   Proposed heater make AND model number,

o   Existing heater make AND model number,

o   Existing heater age

o   Proposed heater cut sheets

         **Boiler Controls/EMS:**

o   12-month gas history

o   Building heated area sqft, number of floors, number of units

o   Building year of construction

o   Existing boiler make AND model number (or at least the existing boiler input rating)

o   EMS sequence of operations

o   A full EMS work scope, showing quantity/location of system sensors or a list of control points from the vendor

o   Make AND model of the existing boiler controls

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 **Air Sealing:**

o   12-month gas history

o   Building heated area sqft, number of floors, number of units

o   Building year of construction

o   Existing boiler make AND model number (or at least the existing boiler input rating)

o   Day and night time indoor temperature settings

o   Measurement of proposed air sealing

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  **Pipe Insulation:**

o   12-month gas history

o   Pipe length, pipe diameter, pipe material (Steel? Copper?)

o   Amount of existing insulation (or status of existing insulation if failing)

o   Proposed insulation thickness (for each different pipe size)

o   Fluid temperature in the pipe

o   Ambient air temperature where the pipe is located

o   Heating system type (steam? Hot water?)

* Existing boiler make AND model number (or at least the existing boiler efficiency rating)

         Are all of the pipes located in unconditioned spaces?

         Did the contractor note the age/est. efficiency of the boiler equipment?

         If the system distributes steam, are there portions of the piping being insulated that are
 for condensate return? If so, we will need these broken out.