

## **2023 PACE Commercial/Multifamily Housing Electrification Study Requirements**

### **General requirements for participant to receive PACE incentives for this study**

- Owner/owner's rep has created ESTAR PM profile for the building
- Must be an existing building or major renovation project, or non-profit new construction considering electric/solar renewable pairing

### **Report Requirements**

- General Information**
  - Client's interest/reason for seeking the assessment
  - Is building owned or leased
  - Tenant information:
    - Number of tenants, and
    - Detail if tenants are directly metered/sub-metered and pay for own utility usage – or if tenants pay for utilities through triple-net (NNN) lease structure and do not have utility account or pay for their specific energy usage
- Building Details**
  - Building usage type (eg. office, healthcare, retail, multifamily, etc)
    - Also note if there are essential heating needs that are a critical component of the building's energy systems for life/safety reasons
  - Square footage
  - Occupancy levels
  - General envelope description (brick, wood/metal framed structure, etc)
  - Existing heating/cooling/ventilation equipment
    - Age, type of equipment, life expectancy
    - Documentation of heating and cooling capacity, including:
      - Electric service details (volts, phases, amps, circuit breaker ampacity and existing conductor size & type)
      - Breaker panel spare ampacity
    - Utility meter information
      - Applicable electric utility meter(s) rate structure(s)
      - Whether electric interval data is available
    - Other existing equipment worth noting, for example;
      - If all lighting were metal halide or other high energy usage
      - If business/building has on-site solar electric generation (do they own the RECs)
      - Inventory of other natural-gas consuming equipment, such as gas water heating, cooking equipment, etc.
- Summary Report/Recommendations**
  - Replacement/electrification recommendations for the following heating replacement types
    - Conventional fossil fuel gas
    - Dual Fuel
    - All-electric
  - Cost estimates, including energy cost estimates/savings as applicable for cooling and heating, and related utility infrastructure improvements, as applicable to recommended replacement options
  - Other significant energy conservation measures identified that to help reduce load or pair with electrification recommendations, such as;
    - Consulting an envelope/insulation contractor
    - Solar/renewable potential
    - Lighting improvements
    - Building automation systems
    - Behavioral
- Potential utility, government rebates or tax incentives to offset costs of study and/or new equipment**