

Attachment F

Energy Efficiency Installer (Residential In-Unit)

SCOPE OF WORK

At the request of the DCSEU, the selected Service Providers shall provide the full range of energy efficiency-related services listed below for single-family homes (row houses, detached, and buildings with 5 units or less) owned or rented by District residents:

- A. Identification and installation of high-efficiency heating and cooling equipment (air source heat pump), domestic hot water systems (heat pump water heater and electric water heater):
 - Conversion of traditionally powered fossil fueled (oil, natural gas) space heating and cooling equipment to electric air-source heat pumps with different existing system arrangements:
 - Homes with fuel oil tanks
 - Homes served with natural gas
 - Forced air ducted or hydronic non-ducted distribution systems (radiators)
 - Propose, justify, and explain newly designed electric-based Heating, Ventilation and Air Conditioning (HVAC) and Domestic Hot Water (DHW) system
 - New design and equipment selection will need to be reviewed and approved by the DCSEU.
 - Installation and commissioning of Energy Star qualified Programmable or Smart Thermostat(s) based on new system installation.
 - Secure and provide proof of all needed permits/licenses (in accordance with DCRA's policies and DC Construction Codes (<https://dcra.dc.gov/page/dc-construction-codes>) **prior to installation**.)
 - Evidence of DCRA final approval inspection prior to submission for payment to the DCSEU.
 - Installation of additional high-efficiency electric HVAC and hot water heating measures (Including but not limited to):
 - Water heater to be replaced to with heat pump water heater (where feasible with respect to physical space)
 - Properly removing, disposing, and recycling of fossil fueled HVAC and DHW equipment.
 - Proof of disposal or recycling may be required.
 - Ensuring the home can adequately accommodate the new electric measures. If a home's existing electrical system is not adequate to accommodate the proposed electric measures, the selected Service Provider must identify needed upgrades, upgrade costs and be able to provide the services, if approved by the DCSEU.

- Identification of any potential electrical issues that may arise if a Solar PV system is installed at the home through the DCSEU's Solar for All program (solar installation work is not included in this SOW).
- Develop educational materials and/or a workshop for homeowners both before and after installation (e.g. operations & maintenance, best practices, differences between existing and replaced system(s), etc.)