

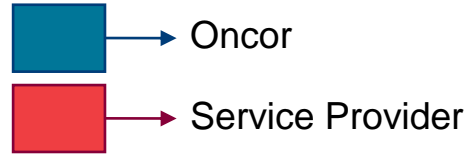
ENERGY EFFICIENCY

Measure File Guide

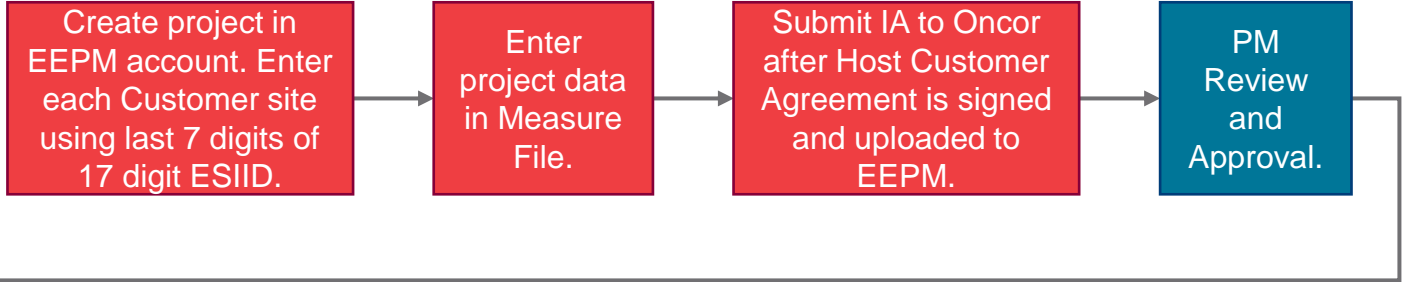
HVAC - Split System

January 2025

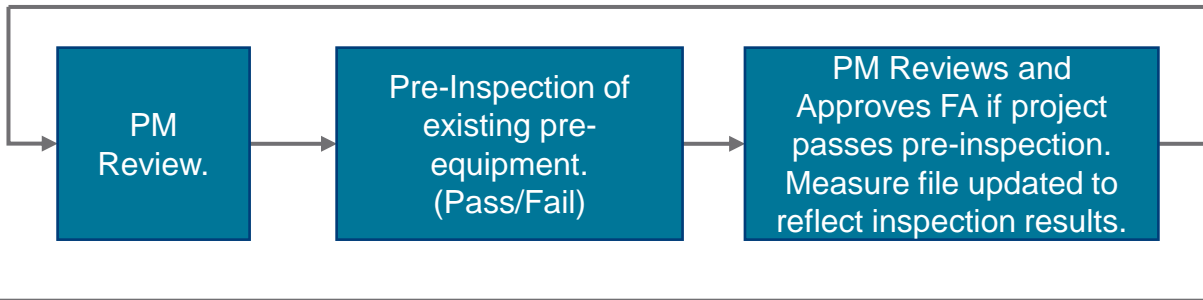
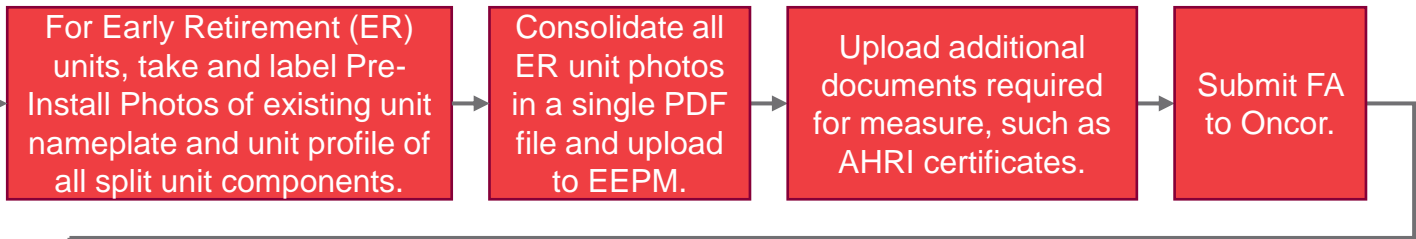
Energy Efficiency Project Process



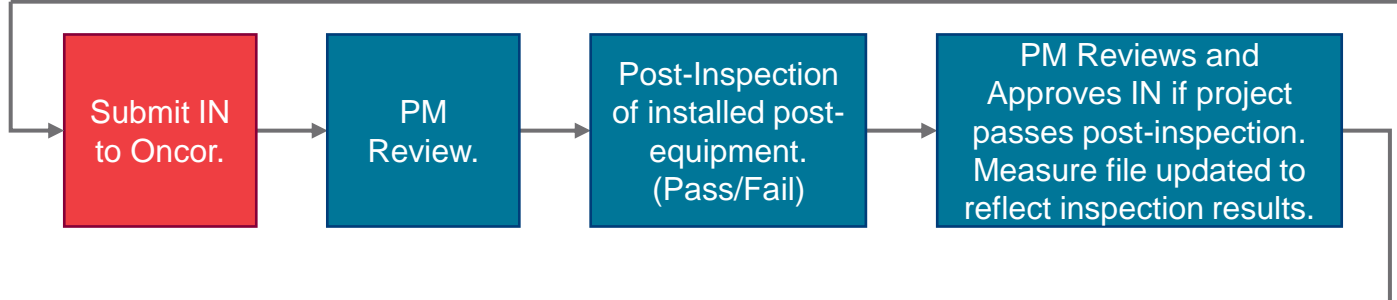
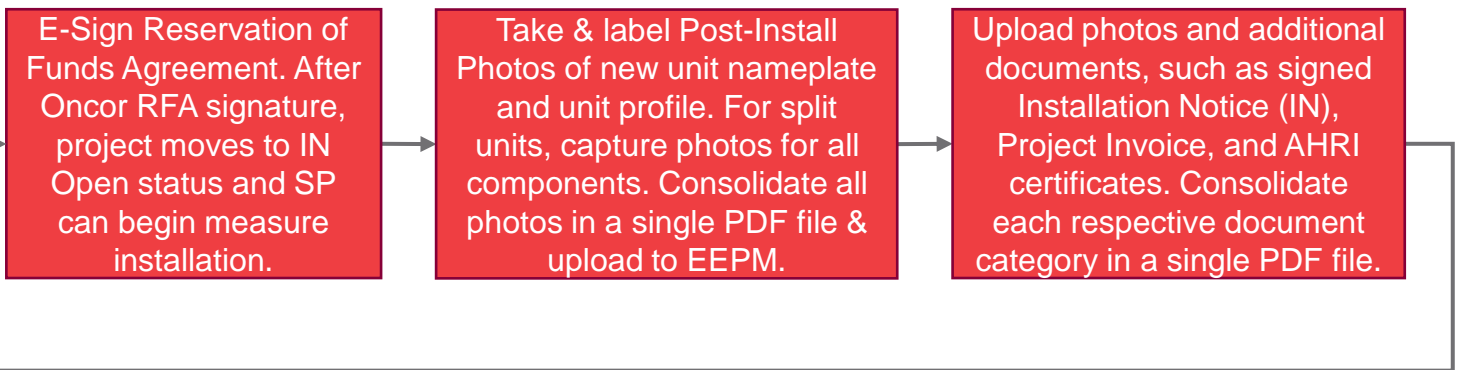
IA Phase



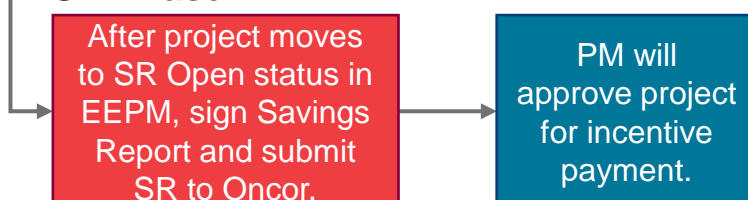
FA Phase



IN Phase



SR Phase





IA Phase – Measure File

Site Information

Pre/Existing Equipment Info

Post Installed Equipment

Calculated Savings & Incentives

Site					
Serial #	Site Name	Site Line Item Or...	Cooling Equip #	Room location/floor	Building Type
4	Example	4	AC 124	Roof	Education: Secondary school
5	Example	5	AHU 124		
6	Example	6	AC 128	Roof	Education: Secondary school
7	Example	7	AHU 128		

1. **Site Information:** Includes the Site Name, Line Item, Cooling Equipment # (useful in labeling inspection photos), Room location/floor, and Building Type. If unsure about the Building Type, contact the Project Manager.

2. **Cooling Equipment Type:** Select the HVAC equipment to be replaced and create a separate line for each component. For example, if replacing a split system, create one line for the outdoor condenser unit and another for the indoor air handling unit (AHU). Place the condenser unit on the first line with the AHRI data, and do not include performance data for the AHU on the second line.

Pre Retrofit Equipment Information													
Cooling Equip Type	Existing Unit Year Installed	Manufa...	Model	Serial #	Tonnage		DX HP Systems <5.4 Select Spilly/Pac...	Early Retirement Efficiency			ROB/NC Efficiency		
					Cooling (Tons)	Heating (Tons)		Full Load (kW/Ton)	Part Load (kW/Ton)	Heating (COP)	Full Load (kW/Ton)	Part Load (kW/Ton)	Heating (COP)
HP NC						2.88	Split Sys...	0	0	0	1.2245	0.8392	2.1981
Air Cooled DX NC						0	Split Sys...	0	0	0	1.2245	0.8392	

3. **Early Retirement Efficiency and ROB/NC Efficiency:** Baseline efficiency data will auto populate.

- 4. **Cooling Equipment Type:** Select the HVAC equipment technology being installed. The equipment type in the “Post Equipment Information” section of the Measure File should match the equipment type “Pre Retrofit Equipment Information” section.
- 5. **Cooling Capacity Type:** Select “BTU/Hr” instead of the tonnage. BTU/Hr provides more accurate data and reflects exact values.
- 6. **Heating Capacity Type:** If heating is applicable, enter data from the AHRI Certificate.
- 7. **Installed Efficiency:** For units under 5.4 tons, use the EER2 and SEER2. If these ratings are not listed on the AHRI certificate, verify if a more current certificate is available. If an AHRI certificate cannot be found, Oncor cannot provide incentives for the project.

Cooling Equip Type	Manufacturer	Model	Serial #	Cooling Capacity Type	Cooling Capacity Unit	Cooling (Ton or Btu/hr)	Heating Capacity Type	Heating Capacity Unit	Heating (Ton or Btu/hr)	Post Equipment Information															
										Installed Efficiency					Installed Efficiency (in kW/Ton)										
										Full Load Rating	Full-Load Efficiency Rating (in EER, kW/ton)	Part Load Rating	Part Load Efficiency Rating (in SEER, IEER, kW/ton)	Heating Rating Format	Heating Efficiency Rating (in HSPF or COP)	Full Load (kW/Ton)	Part Load (kW/Ton)	Heating (kW/Ton)	Building Description	Primary Business Activity	Operat... Hours	HVAC Operating Hours	Combined HP for Condenser Water Pumps & CT Fans		
HP NC	Trane	4TWA7036A3								EER 2	12.7	SEER 2	17		9	0.9449	0.7059	2.6377							
Air Cooled D...	Trane	4TTA7036A3								EER 2	12	SEER 2	17			1	0.7059	0							
HP NC	Trane	4TWA7036A3								EER 2	12.7	SEER 2	17		9	0.9449	0.7059	2.6377							



FA Phase – Pre-Inspection

The following is required:

- 1. Photo of Name Plate and Profile:** Please label each picture with the Measure Item from the Measure File. Compile all photos into a single PDF document to upload to EEPM for Pre-Inspection Desk Review.
 - If units are considered Early Retirement (ER), include a photo of the load display and/or set point to demonstrate operability.
- 2. Equipment specification sheet:** Used to verify equipment characteristics.
- 3. Supporting Documentation:** For units 20 ton or below, attach AHRI certificate. For units above 20 tons, include manufacturer specifications showing unit performance at AHRI conditions.

All component's Model # documented in the Measure File must match name plate and profile picture in post inspection photos. The model # and Serial # documented in the Measure File must match the AHRI Certificate.



IN Phase – Post Inspection

The following is required:

- 1. Photo of Nameplate and Profile:** Please label pictures with the Measure Item from the Measure File, including both the outdoor condenser unit and indoor AHU. Nameplate must have model number. Include a profile of the equipment to ensure installation. Compile all photos into a single PDF document to upload to EEPM for Pre-Inspection Desk Review.
- 2. Installation Notice Certificate:** Generated by EEPM, signed by Customer and Service Provider, including an installation completion date.
- 3. Project Invoice:** Includes Customer name, project address, model number and quantity that matches the Measure File, labor materials and other cost associated with installation.

