

# NEAT Modeling Options for 5-24 Unit Buildings

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# NEAT Naming Conventions

## Client Information Tab

- **Client ID:** WisWAP BID # (XXXXXX)
- **Alternate Client ID:** Agency ID number (if agency separate ID)
- **Primary Contact:** Building Name (or Address)
  - E.g., Willow Acres or 15567 E. Willow Street
- **Contact Names:** Building owner; all tenants (create contacts for all)

# NEAT Naming Conventions

## Audit Information tab

- **Audit Name:** WisWAP BID # (XXXXXX) Whole Building or Unit
- **Client ID:** WisWAP BID # (XXXXXX) Stays the same for all audits because you are only creating one client (building) record

# Modeling Options-Per Unit

- Modeling each unit=separate audits
  - Individual heating and domestic hot water systems
  - Segmented structures

12	11	10	9	8	7
1	2	3	4	5	6

# Modeling Options-Per Building

- Model the building
  - Individual or multiple heating systems and water heater systems
    - May combine heating systems and model in the Heating System tab
      - Averaged SSE and combine BTUs and cost
      - May lump line systems together model as primary or secondary heating units
    - Model individual systems using the 5-24 Unit Workbook
      - Determine the savings and enter into Itemized Costs tab with savings information
    - Model primary and secondary central mechanical systems in the Heating System tab.

## 5-24 Unit Buildings

# Modeling Individual Units

- Set-up the building name as the “client”
  - Owner/All tenants as contracts
- Create an audit each unit with the audit
- Model shell measures based on % of the building
  - Assign R-44 to common walls
- Model heating systems: heating system tab

## 5-24 Unit Buildings

# Modeling Individual Units

- Model heating systems: heating system tab
- Model water heater and refrigerator: Baseload tab
- Model CFLs using 5-24 Unit Workbook and/or Baseload tab
  - Identify DHW measures in the Itemized Cost tab, do not include in SIR.
- Model foundation insulation in Foundation tab
  - Slab-on-grade perimeter treatment in the Itemized cost tab
- Model common area as a unit or assign to a unit

## Modeling the Building

- Set-up the building name as the “client”
  - Owner/All tenants as contracts
- Model the building shell as single structure
- Record details of apartments to enter baseload and mechanical measures in the 5-24 unit Workbook



## Modeling the Building Central Heating

- Central heating systems: model heating system in NEAT Heating System tab
  - Designating primary and secondary as needed.

## Modeling the Building Individual Heating Systems

- Option 1: Aggregated individual systems
  - Average the SSE of the existing units and AFUE of the replacement units.
  - Total the BTU output of the existing units and the cost of the replacement units.
  - Assign % of heat
- Option 2: Aggregate individual systems and primary and secondary systems based on common SSE and other characteristics
- Option 3: Model individual heating systems in 5-24 Unit Workbook
  - Determine the savings and enter into Itemized Costs tab with savings information

## Modeling the Building Baseload Measures

- Identify DHW measures in the Itemized Cost tab, do not include in SIR.
- Model ECMs with multiples using the Itemized Cost Tab
  - Model individual refrigerators, water heaters, CFLs for replacement
  - Determine the savings and enter into the Itemized Cost tab after checking “Include in SIR”