Heat Pump Installer Training

Required Topics
These are the topics that must be included in the Heat Pump Installer Training course (Installer #1.b. above). The training must include both classroom instruction and hands-on exercises that address the following:

1. Installation
   a. Efficiency Maine [Heat Pump Installation Checklist]
   b. Indoor units
   c. Outdoor units
      i. Mountings (brackets and stands)
   d. Line sets
      i. Flaring
      ii. Mechanical connections (like ZoomLock)
      iii. Refrigerant handling safety
      iv. Vacuum testing
      v. Purging with nitrogen
      vi. Pressure testing
      vii. Leak detection with soap bubbles and electronic testers
      viii. Calculating refrigerant requirements
      ix. Charging refrigerant
      x. Adding additional refrigerant
      xi. Branch boxes
   e. Condensate lines / condensate pumps
   f. Ductwork (optional)
      i. Sealing
      ii. Insulating
   g. Thermostats/controls

2. Commissioning
   a. All modes
   b. Condensate flow with fan running (testing for dips that create blockages)

3. [Heat Pump User Tips] brochure

4. Service
   a. Troubleshooting
   b. Manufacturer resources
   c. Pumping down refrigerant into outdoor unit
   d. Refrigerant recovery
Heat Pump Installer Training

5. Efficiency Maine Topics (Efficiency Maine presenters available)
   a. Quality Assurance Inspections
   b. Efficiency Maine Code of Conduct
   c. Efficiency Maine Heat Pump Installation Checklist

Optional Resources:

1. Efficiency Maine website
2. Efficiency Maine Annual Heat Pump Basics Certificate on-line video
3. NEEP’s Guide To Installing Air-Source Heat Pumps in Cold Climates by NEEP click here