Research Needs in Bioheat

- Cold flow, outside tanks, handling – focus on high blends to B100
  - Heating and common residential tanks
  - Additives with biodiesel, renewable diesel, blends
  - Long term storage of cloudy fuels
  - Logistics – impact on wholesalers, outside truck storage, tanks, racks, scheduling
- Burner Head Coking
  - Testing support for manufacturer innovations
  - Blue flame burners
  - Coordinate with European manufacturers
  - Impact of blends
  - Impact of fuel composition
- NOx – measurement variability across blend levels and appliance types
- ASTM – modify D396 for B100
- Track Field Issues
- Building Codes and Renewable Fuels
- Support Field Trials and Manufacturers as Needed