



# ANG, CNG, and LNG Storage Tanks

ARPA-E NG Vehicles Workshop  
Morning Breakout

1/26/2012

# Session Highlights, Group 3: ANG, CNG, and LNG Storage Tanks

- **Opportunities for Technical Development**

- There are new materials (fibers, composites, plastics, metals etc.)
  - Do these materials have properties that will permit a step change in performance?
- Thermal management for ANG tanks/reactor is key issue
- Cold vs. Warm LNG

- **Suggested Directions for FOA Metrics**

- More consistent definition of particular market segments is required
- Translating engineering requirements into material characteristics...
- Industry standards (safety) will define some material characteristics

- **Key Question to Ask**

- What materials communities have not been engaged yet?
  - Metallurgy, Polymers etc.
- How do we bring together the communities to foster good teams?