

GROUP B NEEDS SUMMARY - Energy

- Produced water
 - **Quantify produced water re coal bed methane (7)**
 - **Research and characterize technology solutions to disposal/use of produced water (6)**
 - Public process for implementing solutions (2)
 - Regulatory road map (1)
- Water for increased electricity demand
 - Analysis of tradeoffs between water efficiency and thermal efficiency (3)
 - **Need market framework for potential water transfers (14)**
- Hydropower
 - Analysis of impacts of climate change and climate variability (2)
 - **Research on impacts on water systems, impacts on ecosystems (7)**

GROUP B NEEDS SUMMARY - Water

- Valuation of water
 - Integrated analysis of market cost and intrinsic value (0)
 - Research on value of externalities (environmental, cultural) (1)
 - Characterize market distortions, subsidies, tradeoffs (security)
- Urban
 - Information, incentives and programs to motivate builders and consumers to conserve and increase efficiency and incorporate renewables (1)
- **Assess and characterize bioenergy (9)**