Emerging Technologies - Assumptions and Treatment

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Emerging Technologies

- Storage Batteries, Compressed Air Energy Storage, etc.
- Enhanced Geothermal
- Offshore Wind
- Wave/Tidal
- Small Modular Reactors
- Carbon Capture and Storage
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Developable?

- What technologies are mature enough to be developed first? In what time frame? At what cost?
- Zero Carbon Future Scenario for Draft Seventh Plan
 - Which resources could potentially be likely candidates to fulfill this future?



Proposed Treatment of Emerging Technologies in Draft Seventh Power Plan

- Limited cost estimates and narratives in power plan for higher priority resources
 - Potential action items in the Action Plan further research, hosting informational meetings
- Run zero carbon scenario in the RPM (tentative)



Discussions For Upcoming GRAC Meetings

- Overview of energy storage technologies Today's meeting (Ken Dragoon, Flink Energy Consulting)
- Pumped storage Jan GRAC mtg
- Small Modular Nuclear TBD
- Engineered (Enhanced) Geothermal –
 TBD
- ✓ Off-shore wind May 2014



