



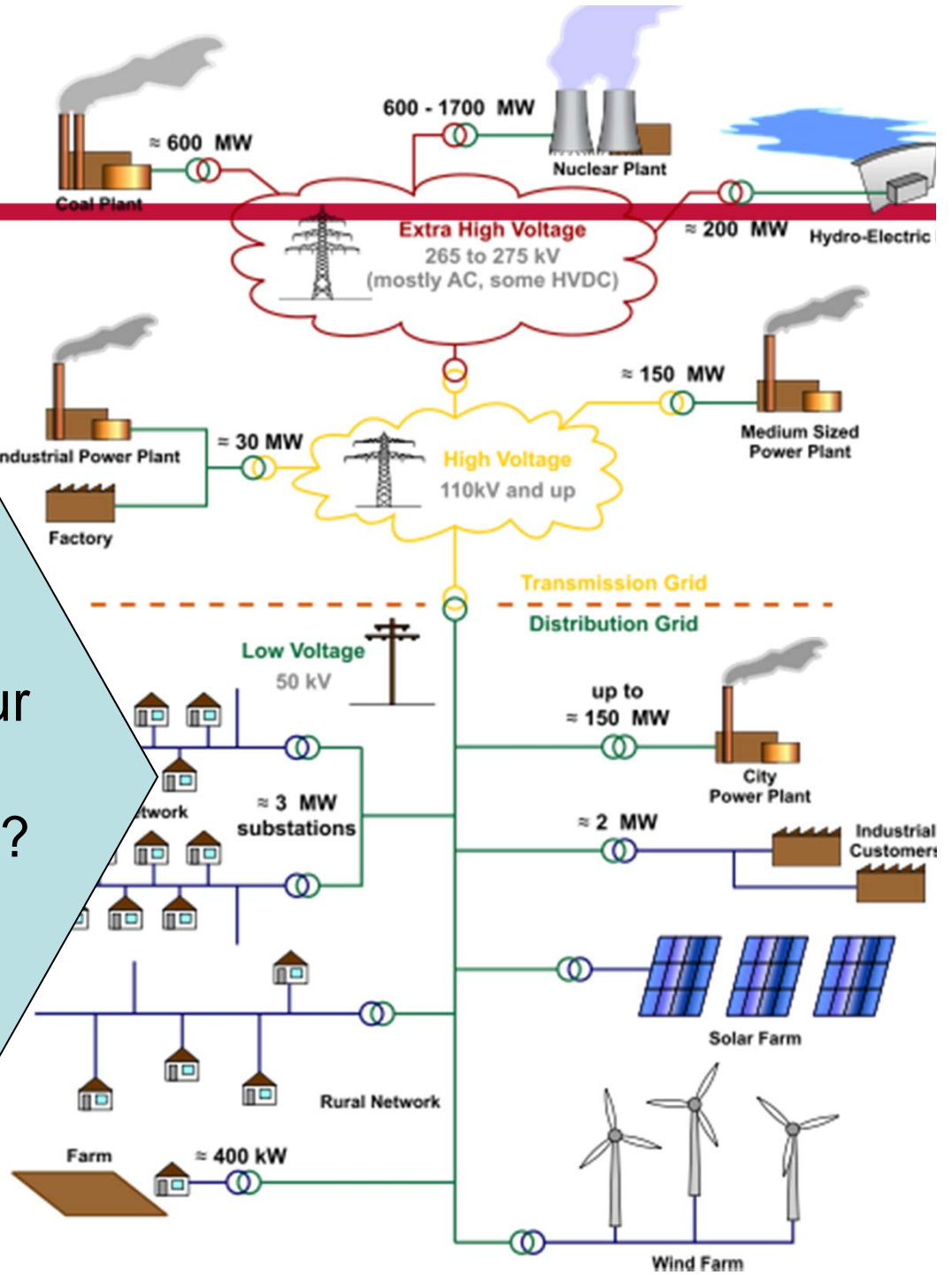
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# **USAID's Energy Division Thoughts on Transition to Clean Energy**

**Allen Eisendrath,  
Energy Division Chief  
Office of Energy & Infrastructure**



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A Dinosaur  
in  
Transition?



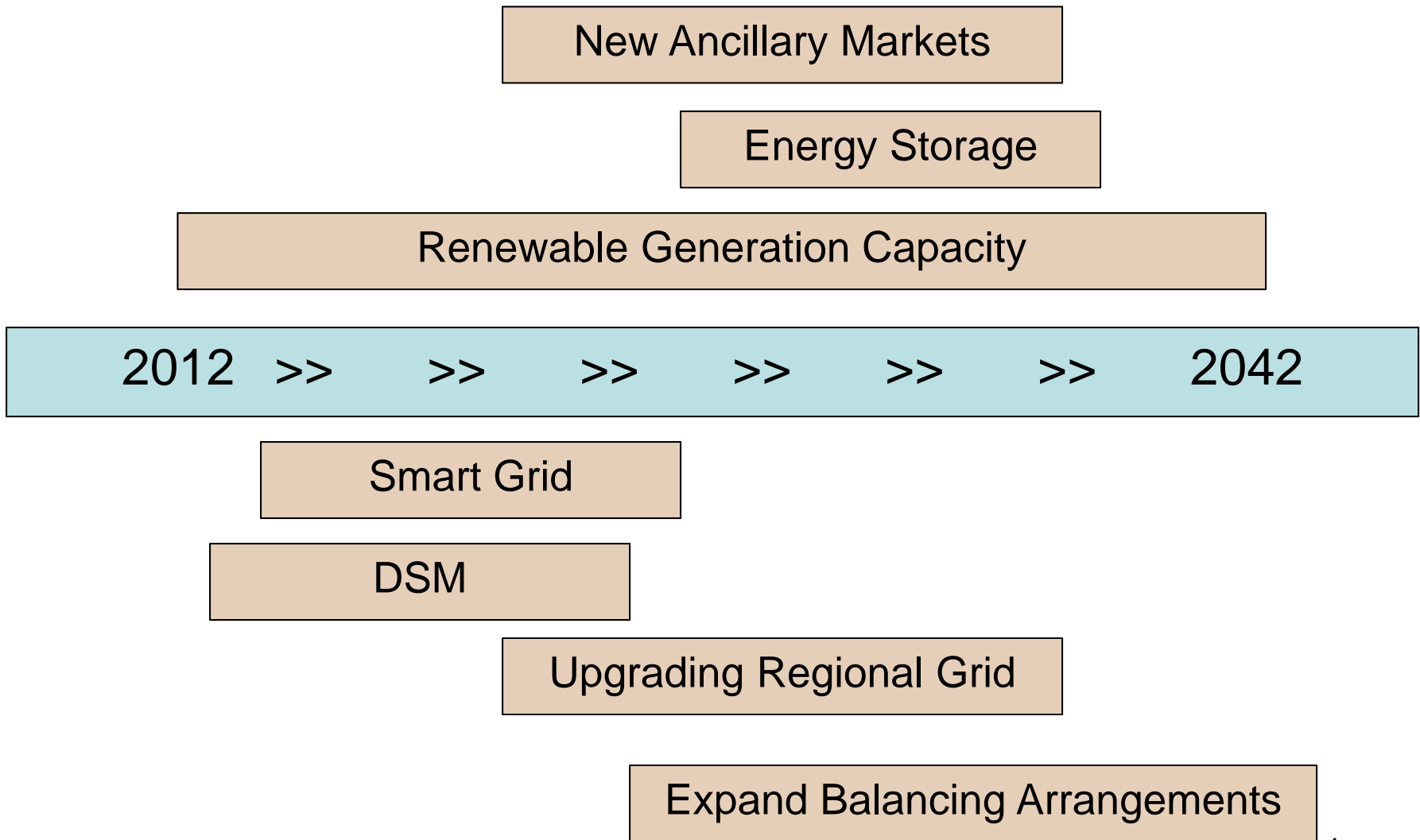
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# Challenges of the Future Utility

- **Intermittency**
- **Cost pressures**
- **Building smarter grids and DSM**
- **New role of consumers:  
competitors?**
- **Supplier of last resort?**
- **The Trade Imperative**



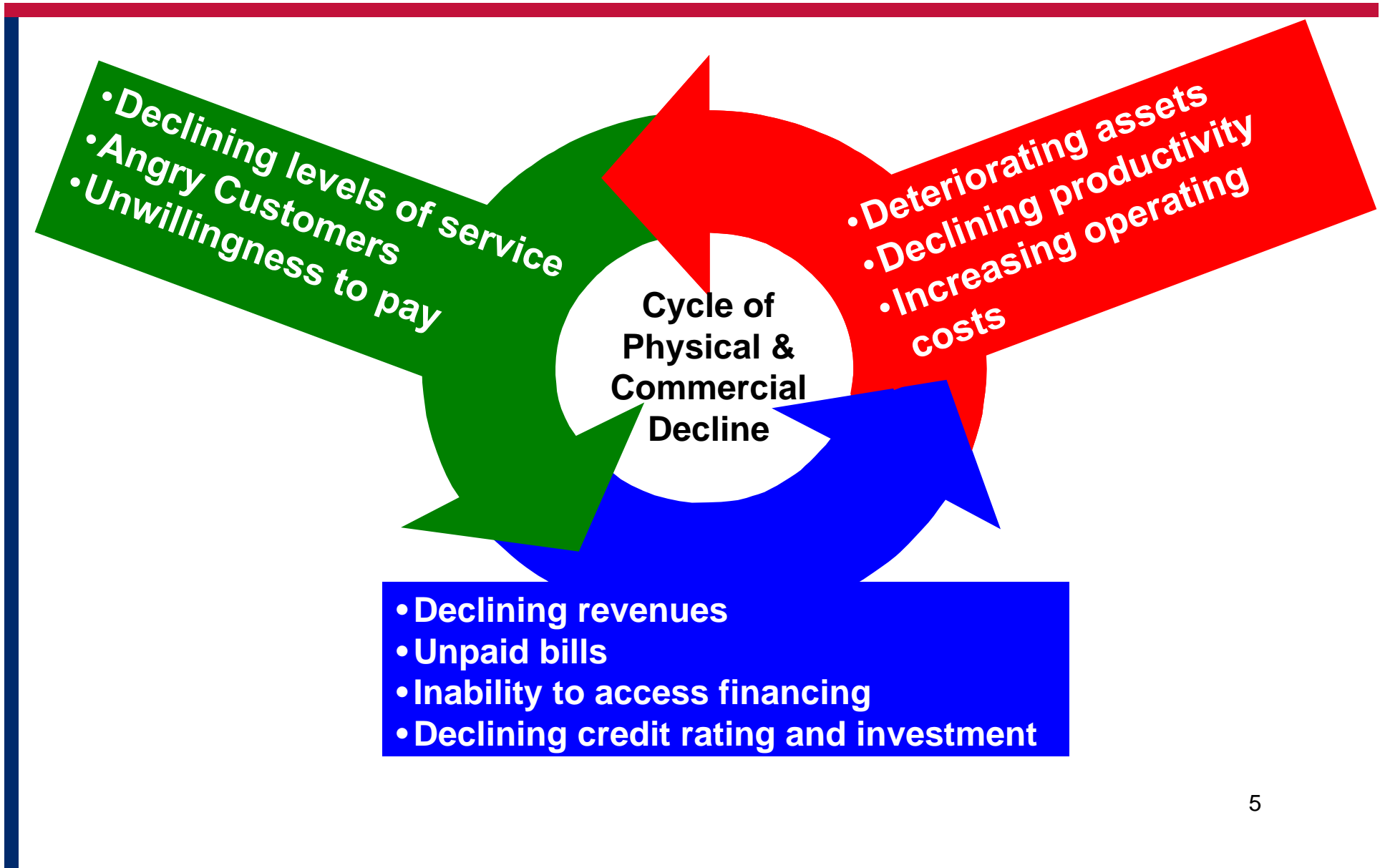
# Utility Capital Planning & Budgets





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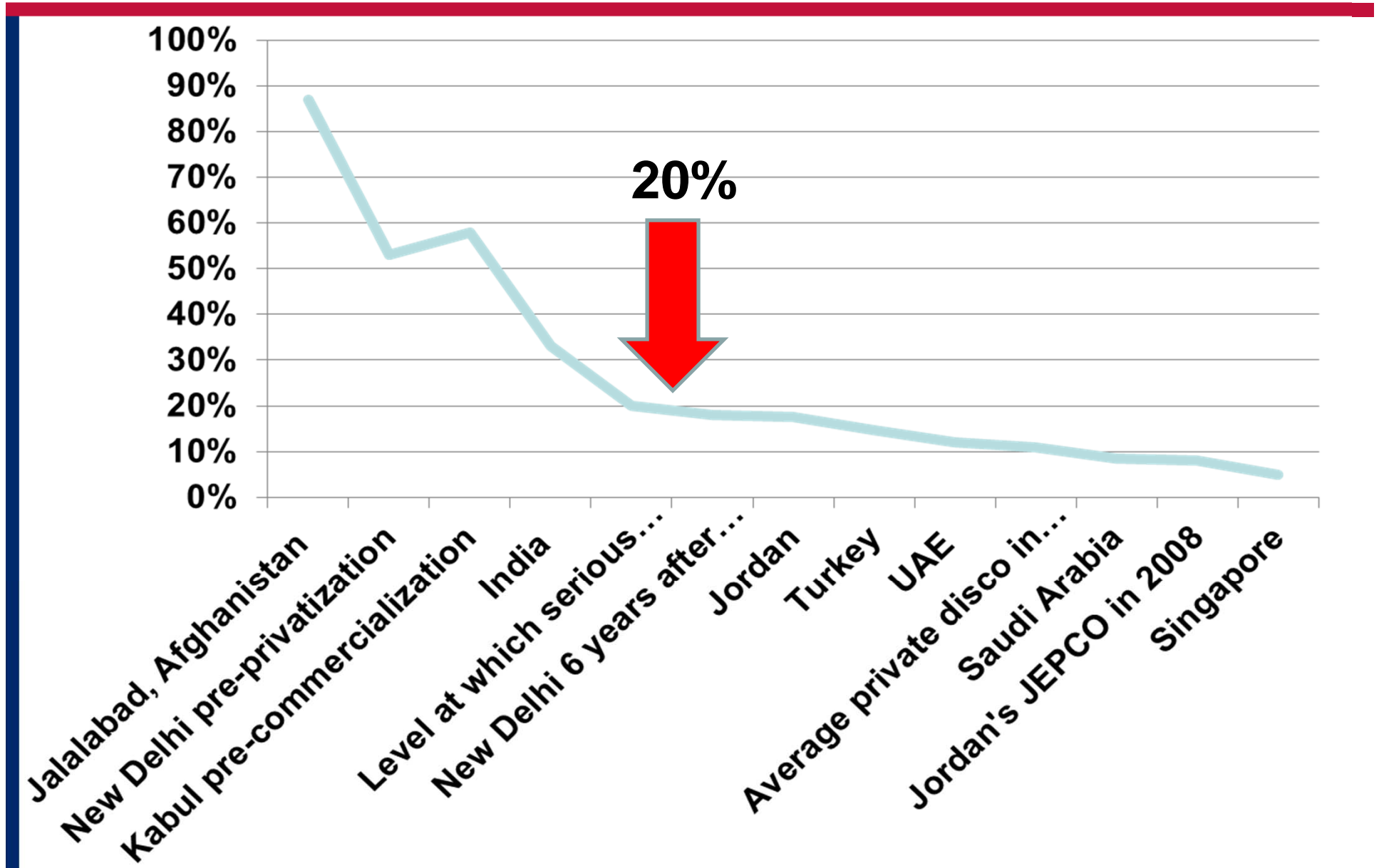
# Special Challenges related to Energy Sector Reform





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# Comparison of Aggregate Technical & Commercial Losses





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**Now, on to the challenge of  
transitioning to a low carbon  
utility system!**

[aeisendrath@usaid.gov](mailto:aeisendrath@usaid.gov)