IEPR May 14 Workshop
Interconnection of Renewable Projects in California

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Resource Scenarios – Key Uncertainties

• Formalize process around updating “discounted core”
  – Each portfolio should have “discounted core” as nucleus
• Refine out-of-state transmission requirements
• “Scheduled when delivered” out-of-state renewables not constrained by SB2 1X (qualify as Category 1)

Key Uncertainties

– Long term economic growth: impact on electric load growth
– Effect of Distributed Generation and electric vehicles
– Out-of-state retirement of gas-fired and/or coal generation
  • CTPG Estimates 50% of gas-fired generation displaced by renewables will be out-of-state
  • Carbon reduction targets will lead to retirement of high cost coal
Generator Interconnection & Deliverability - Allocation Procedures

- Recent changes in CAISO interconnection study process represent significant improvement
  - Unrealistic amount of generation in CAISO queue
  - Reliability Network - GIP, Delivery Network Upgrades - TPP
- Establish reasonable cap on generation development based on available transmission
- CAISO to identify ratepayer-funded upgrades with positive economic value relative to alternatives
  - Capability of existing system
  - Costs of upgrade and alternatives
  - Increased capacity value (RA, counting, rights)
  - Reduced congestion related costs (if any)
- Need alignment with LSE’s, state and environmental agencies on siting