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DATE May 17 2011
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Department of Water and Power
City of Los Angeles

Panel 1: Challenges to Interconnecting Renewables to the Transmission System and Recommended Actions

CEC IPER Committee Workshop
Transmission Needed to Meet State Renewable Policy Mandates and Goals

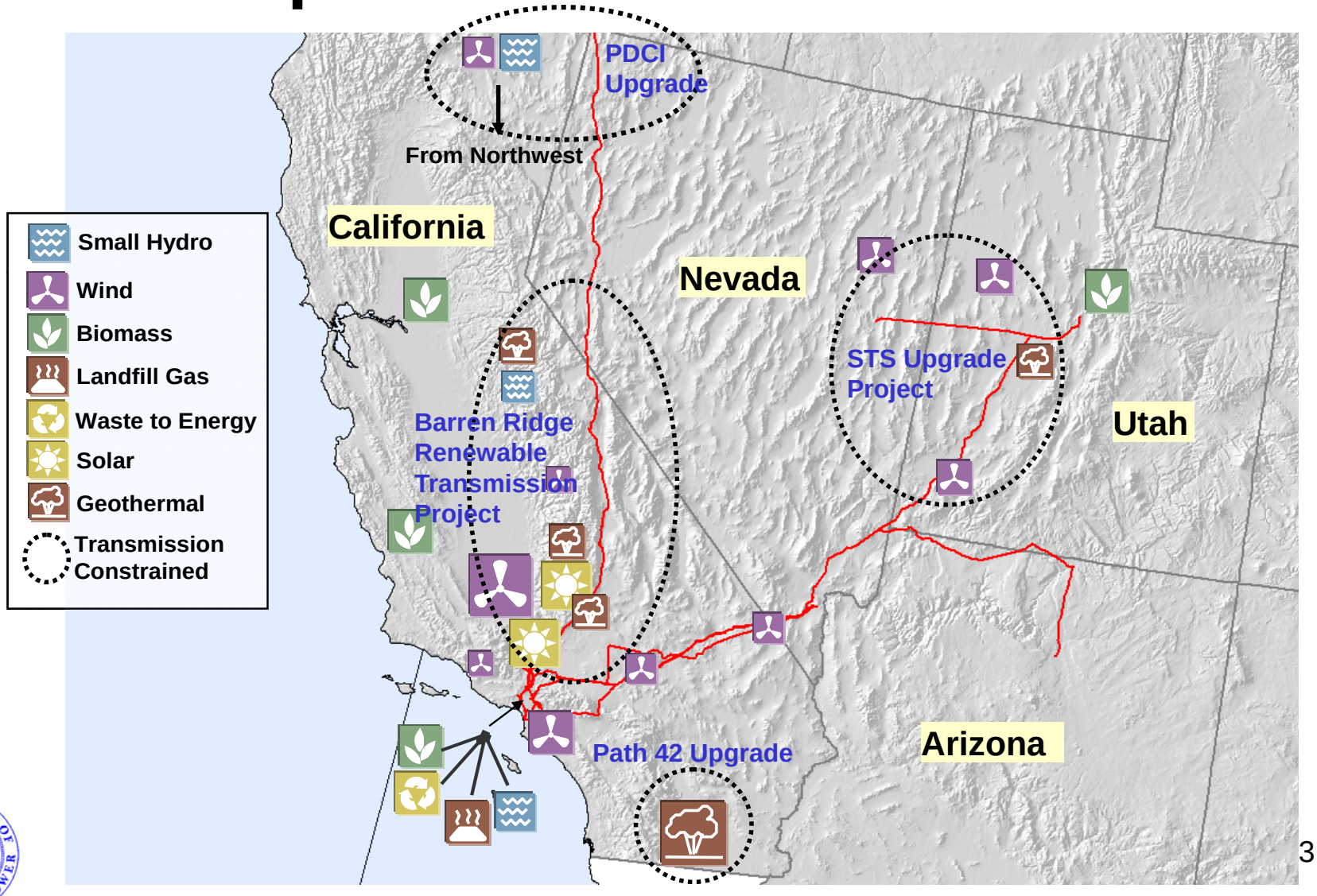
Dr. Mohammed Beshir

May 17, 2011

Panel Question

- ***What progress has been made and what challenges (including resource adequacy/deliverability) have been encountered to date in the licensing and/or development of transmission infrastructure that facilitates renewable generation, including ARRA-funded projects?***

LADWP RPS Transmission Development Plan



LADWP RPS Transmission Development Activities

- **IPPDC (Southern Transmission System) Upgrade**
  - Capacity upgrade of 480 MW allowing delivery and integration of large wind resources from Utah and Wyoming
  - Project completed in January 2011
- **Barren Ridge Renewable Transmission Project**
  - Construction of a new double circuit 230 kV and reconducting of existing 230 kV line allowing development of large amount of wind and solar facilities in the Tehachapi and high-desert and integration to the Castaic pump storage facility
  - Project in environmental process for COD 2015
- **Pacific DC Intertie Upgrade**
  - Feasibility assessment of upgrading PDCI by up to 800 MW to bring more NW wind to California
- **IID's Path 42 Upgrade**
  - Participating in the IID's path upgrade open season process to allow geothermal resources delivery to LADWP

Thank You!