



Department of Water and Power
City of Los Angeles

11-IEP-1E

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11-IEP-1G

DATE May 17 2011

RECD. May 18 2011

**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

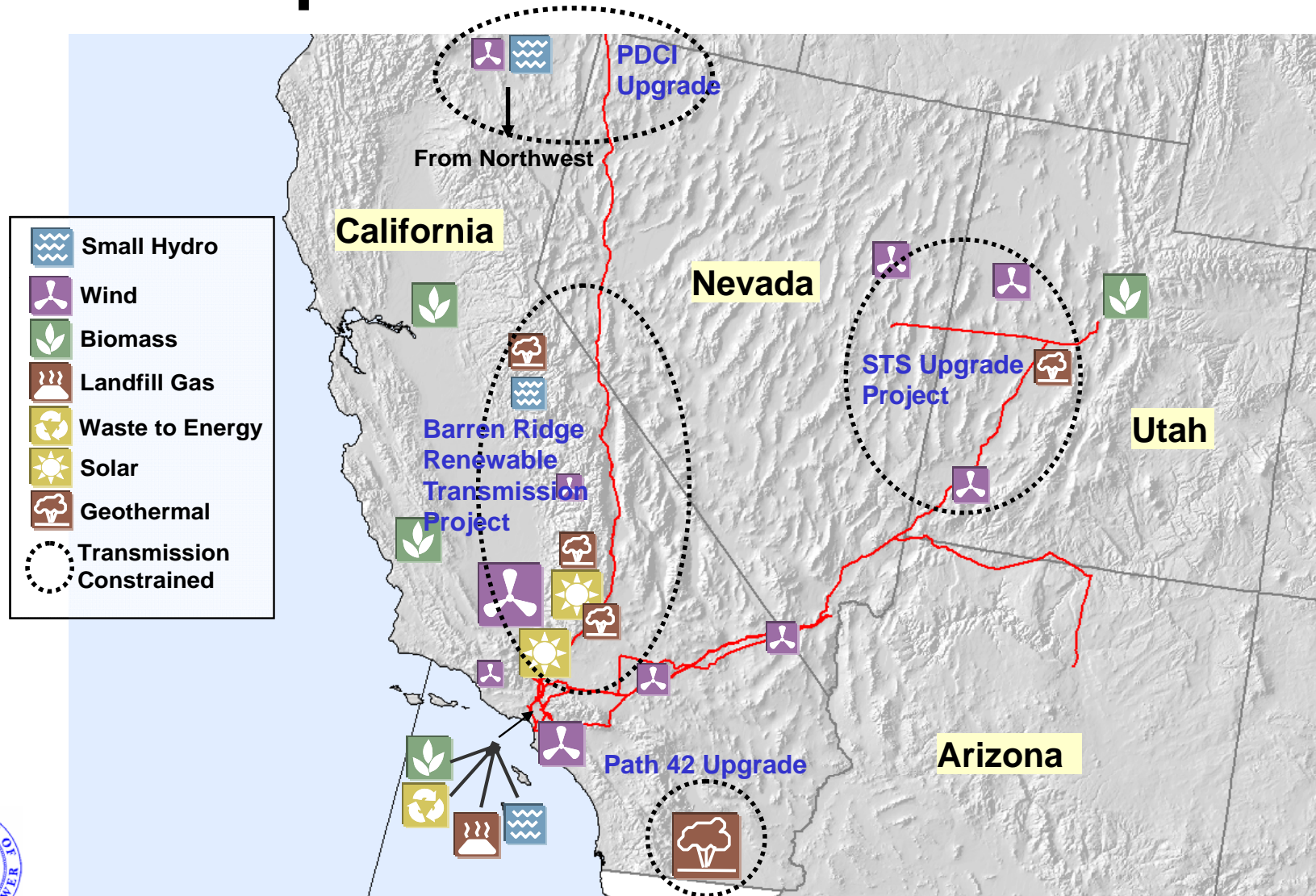
May 17, 2011

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!

