Planning for Climate Impacts: Hydro Availability and Integrated Resource Planning (IRP)

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• Overview of Integrated Resources Planning
• Current status of hydro resources in California’s resource mix
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Hydro In California’s Resource Mix

In-State Electric Generation by Fuel Type

Source: Quarterly Fuels and Energy Reporting Regulations

- Wind
- Solar Thermal
- Solar PV
- Small Hydro
- Large Hydro
- Natural Gas
- Nuclear
- Geothermal
- Biomass
- Oil
- Waste Heat
- Petroleum Coke
- Coal
Seasonal Precipitation Changes
1970-1999 versus 2071-2099 (CMIP4, RCP 8.5)

Winter

Spring

Summer

Fall

Precipitation Change (%)

Third National Climate Assessment
Questions?

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