

# Demand Response Potential to Provide Renewable Integration Services

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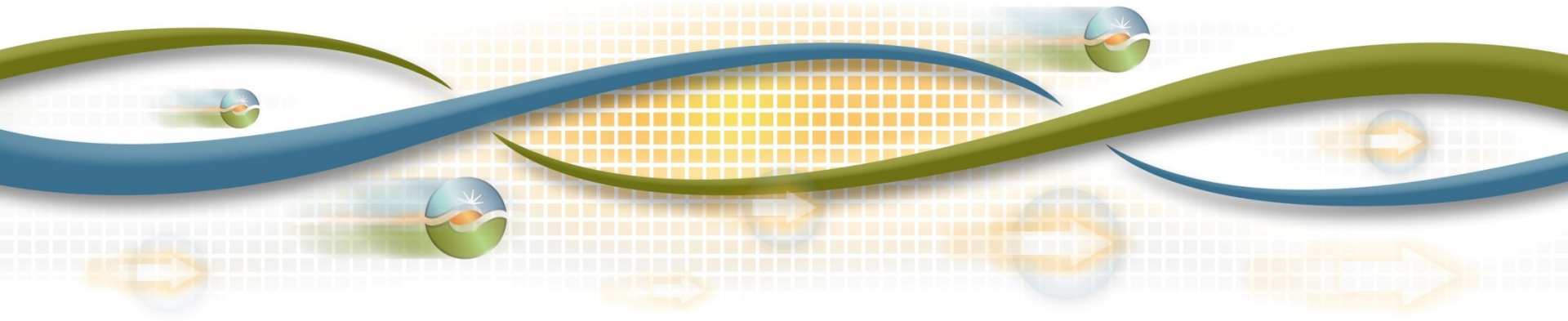
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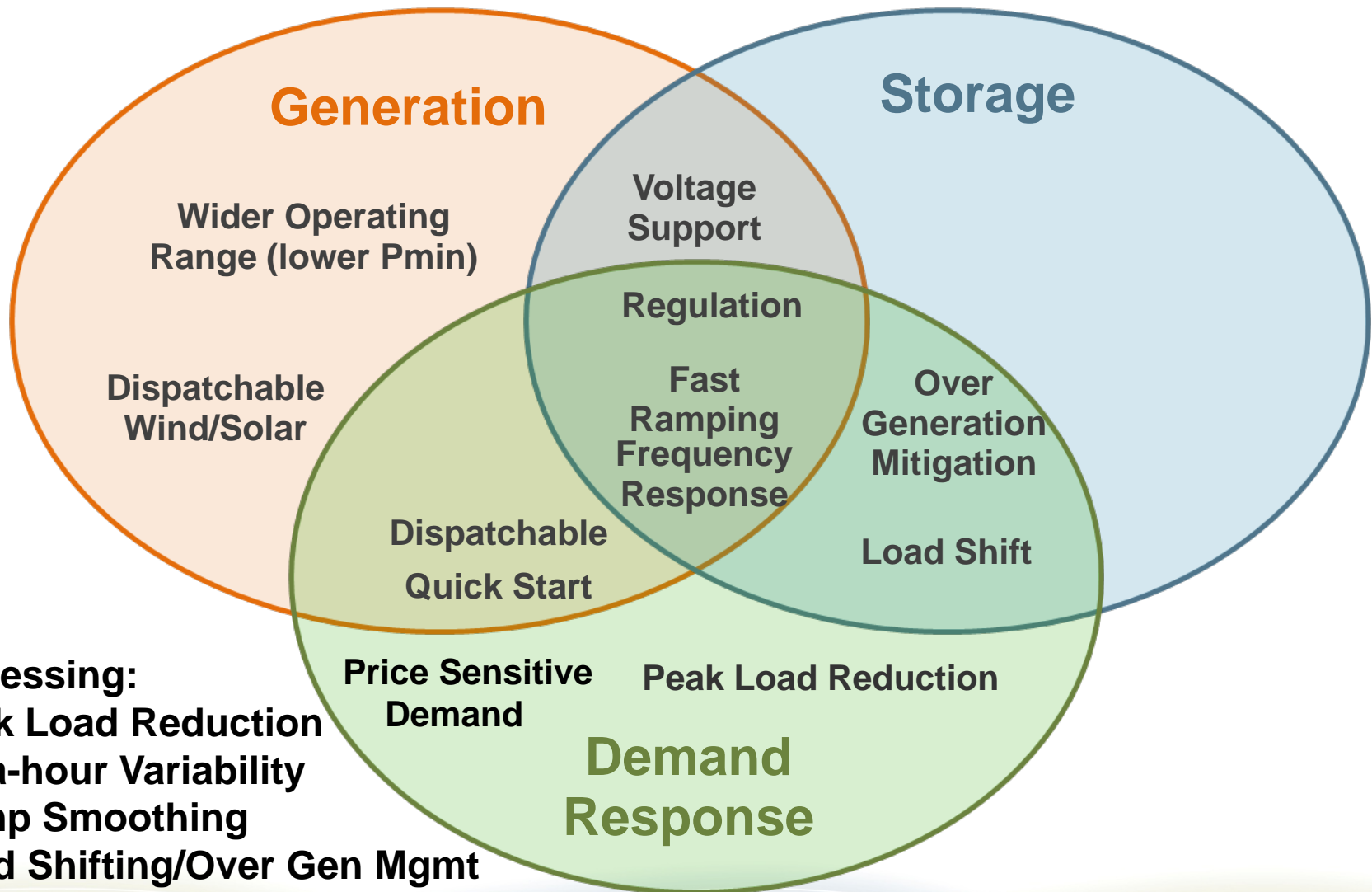
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# Configuring DR to Meet the Challenges



## Addressing:

- Peak Load Reduction
- Intra-hour Variability
- Ramp Smoothing
- Load Shifting/Over Gen Mgmt

# Removing Barriers to Demand Response

- Proxy Demand Resource Product (PDR)
- Ancillary services modifications approved by FERC in 2010
  - Resource type restrictions removed
  - Continuous energy requirement reduced
- Non Generator Resource Model being tested now
  - Limited Energy Storage Resource
  - Dispatchable Demand Response
  - Regulation Energy Management Option

# Removing Barriers to Demand Response

- Reliability Demand Response Product (RDRP)
  - An extension of Proxy Demand Resource that integrates with utility emergency demand response products
- Regulation Pilot with PG&E
  - Test response capability of several end-use load types
  - Understand the resource operational characteristics
  - Understand what modifications are needed to ISO systems and tools
  - Inform Policy and Market Product Development activities
  - Support development and validation of a load reduction methodologies
- Real Time Pricing for load