



# California and Offshore Wind Energy

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California Offshore Wind Industry Symposium  
March 13, 2018



## California Climate Policy

### Greenhouse Gas Emission Reduction Goals

1990 levels by 2020

40% below 1990 levels by 2030

80% below 1990 levels by 2050

### Renewables Portfolio Standard

20% by 2017

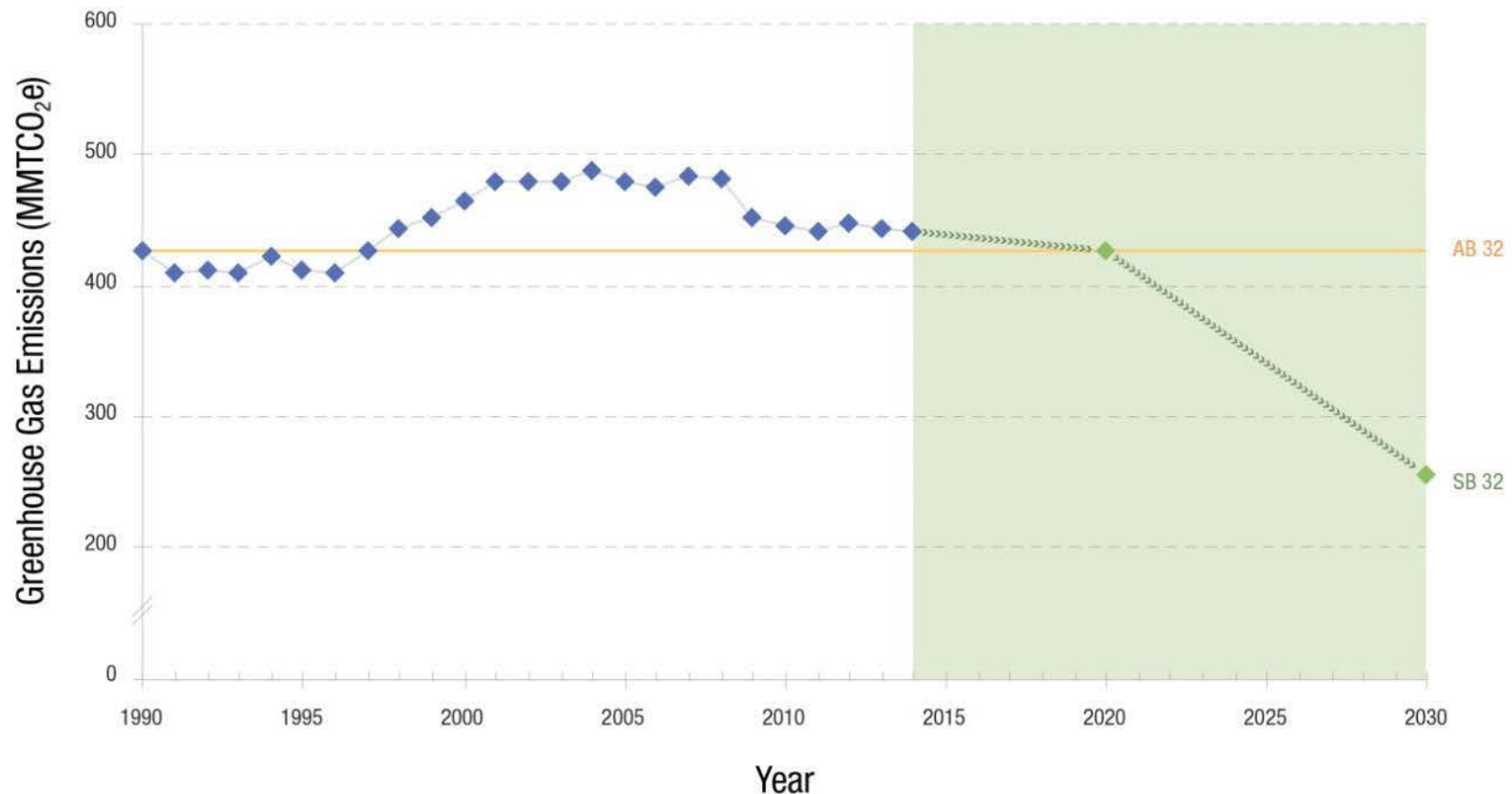
33% by 2020

50% by 2030



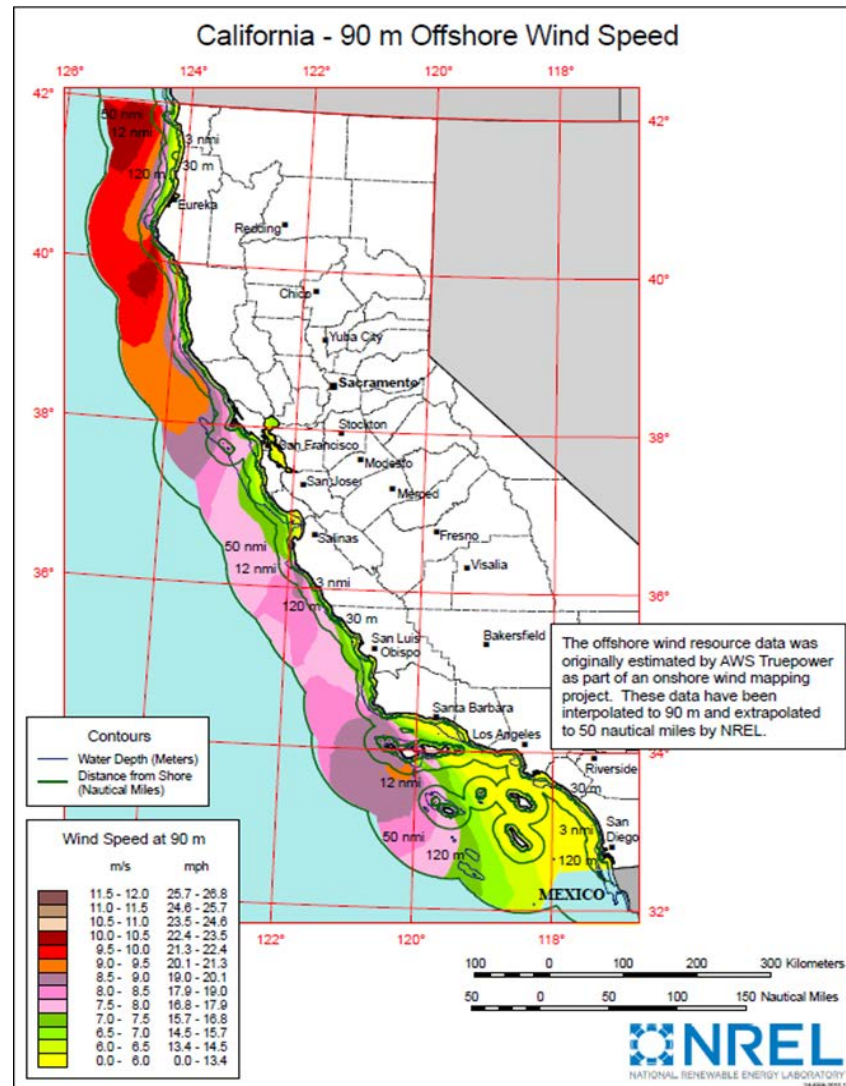


# California's Progress to Meeting Climate Goals





# Offshore Wind Resource Potential





# Potential Benefits and Obstacles of Offshore Wind in California

## Benefits

- High Capacity Factor
- Complementary to solar generation profile
- Proximity to load centers
- Utilization of existing coastal transmission infrastructure

## Obstacles

- Cost
- Technology risk
- Environmental Unknowns
- Stakeholder Concerns
- Permitting/Coordination
  - Overlapping jurisdictions and responsibilities

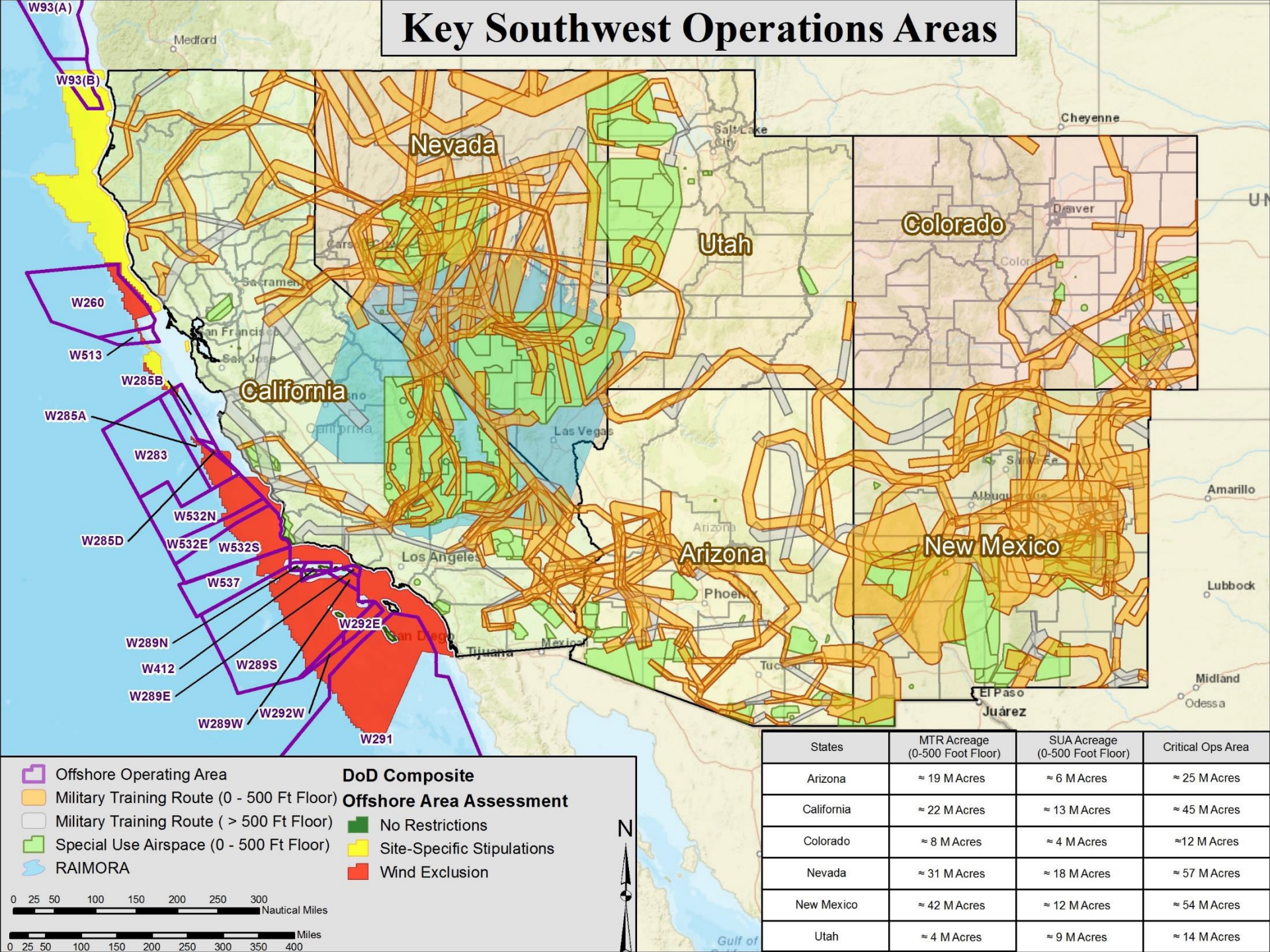


## Task Force & Outreach

- May 12, 2016: Governor Brown requested establishment of a BOEM-California Intergovernmental Renewable Energy Task Force
- October 13, 2016: Initial Task Force Meeting
- 2017:
  - Stakeholder Outreach and Informational Meetings
  - Tribal Outreach and Informational Meetings
  - Data Collection and Review
  - California Offshore Wind Energy Gateway on Databasin
  - Department of Navy/Department of Defense Conflict Assessment



# Key Southwest Operations Areas



States	MTR Acreage (0-500 Foot Floor)	SUA Acreage (0-500 Foot Floor)	Critical Ops Area
Arizona	≈ 19 M Acres	≈ 6 M Acres	≈ 25 M Acres
California	≈ 22 M Acres	≈ 13 M Acres	≈ 45 M Acres
Colorado	≈ 8 M Acres	≈ 4 M Acres	≈ 12 M Acres
Nevada	≈ 31 M Acres	≈ 18 M Acres	≈ 57 M Acres
New Mexico	≈ 42 M Acres	≈ 12 M Acres	≈ 54 M Acres
Utah	≈ 4 M Acres	≈ 9 M Acres	≈ 14 M Acres





## Next Steps

- March 12, 2018: Energy Commission Webinar
- Outreach to Northern California
- Gather and Review Data
- Summer 2018: Next Task Force Meeting

