

**DOCKETED**

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# SB 605 Workshop on Draft Consultant Report Sea Space Analysis for Wave and Tidal Energy

## Introduction and Overview of Senate Bill 605

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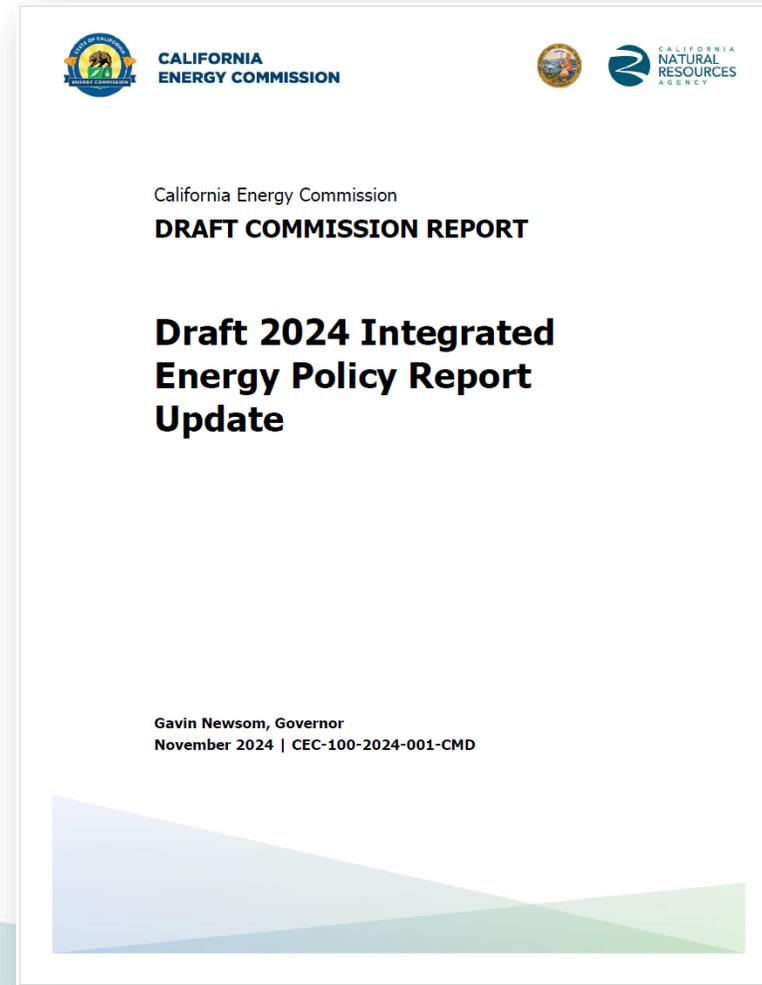
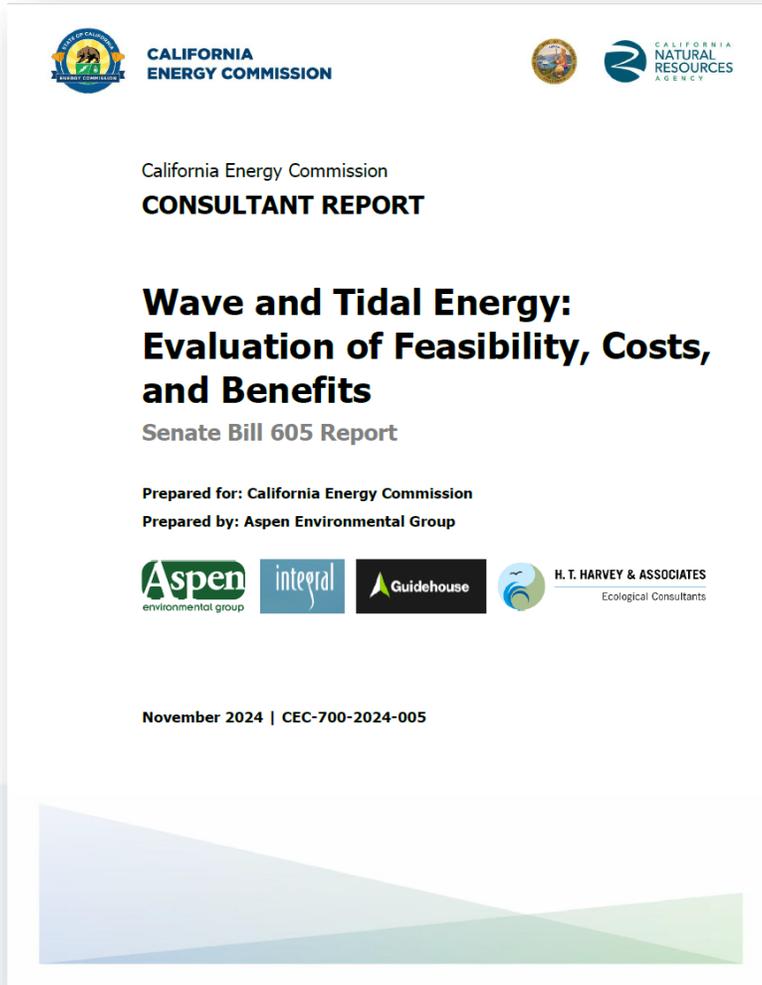
# SB 605 Overview

- 1. Phase One Work:** As part of the 2024 IEPR, the Commission, shall evaluate the feasibility, costs, and benefits of using wave and tidal energy.
- 2. Phase Two Work:** The Commission, in coordination and consultation with other state agencies, shall work with California Native American tribes, fishing communities, industry, nongovernmental organizations, and other stakeholders, to...
  1. Identify suitable sea space for offshore wave energy and tidal energy projects in state and federal waters
  2. Identify measures that would avoid, minimize, and mitigate environmental and ecosystem impacts and use conflicts, and for monitoring and adaptive management for offshore wave energy and tidal energy projects





# Reports Published to Date (Phase 1)





# Summary of Findings from Phase 1 Report: Evaluation of Feasibility, Costs, and Benefits of Wave and Tidal Energy

- Wave and tidal energy have the potential to contribute to California's clean energy goals and promote sustainable development along its coastline
- Wave and tidal energy resources can provide consistent generation and are zero-carbon and renewable resources that can help the state achieve its climate policy goals
- There are many wave and tidal energy technology device archetypes
- Challenges to commercial scale deployment include grid integration, environmental impacts, cost competitiveness, and complex project permitting and licensing processes



# Summary of Findings from Phase 1 Report: Evaluation of Feasibility, Costs, and Benefits of Wave and Tidal Energy

- Wave and tidal energy resources could become more commercially viable with cost reductions through increased electricity production, testing and demonstration, and application of niche opportunities.
- Near term opportunities exist for distributed energy resources (small-scale projects) including ports, remote communities, military installations
- Extensive collaboration and coordination needed among developers, communities, California Native American tribes, and local and state governments