



Marine Energy Regulatory Framework: *Challenges & Solutions*

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BACKGROUND & EXPERIENCE

Pacific Energy Ventures (PEV) is a consulting and business development firm that specializes in the commercialization of early stage technologies, advancing new market concepts and developing public-private partnerships in the emerging renewable energy sector.

- State/Federal licensing representative for Ocean Power Technologies' Reedsport and Coos Bay projects
- Founding member of Oregon Wave Energy Trust (OWET)
- Industry Liaison to Northwest National Marine Renewable Energy Center

CURRENT/RECENT PROJECTS

PEV has been engaged in multiple projects involving policy and development, technical analysis, and research in the ocean energy sector and other related fields.

- DOE Gray Whale Acoustic Deterrence
- Pacific Northwest National Lab
- OWET Utility Market Initiative
- Oregon Global Warming Commission
- DOE Market Acceleration Project



DOE MARKET ACCELERATION

Siting
Methodologies
for Hydrokinetics

Siting Protocol



Environmental Case Studies



Navigational Impacts



DOE MARKET ACCELERATION



Siting Handbook

Stakeholder
Scoping

West Coast Wave
Energy
Framework

Puget Sound
Tidal Framework

SITING HANDBOOK

Information tool designed to reduce **time, costs** and **uncertainty** with licensing ocean energy projects

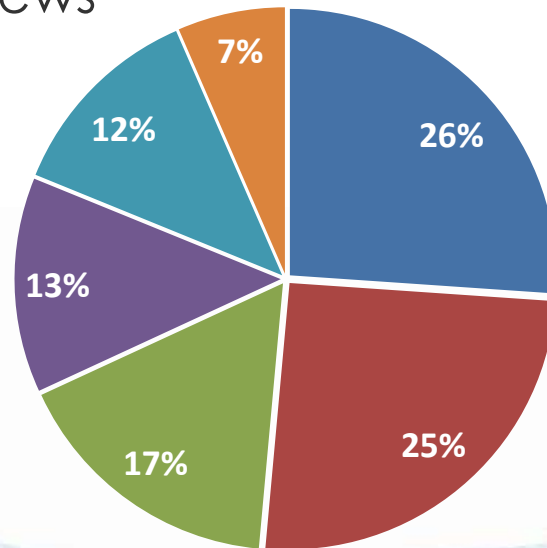
- Educate developers and stakeholders about authorization processes
- Federal & State Authorization Processes
 - FERC, MMS, COE, USFWS, NMFS, NPS, etc.
 - WA, OR , CA, HI, AK, ME, MA, RI, FL
- Integrated into MHK KnowledgeBase (searchable wiki)
- Interactive Roadmaps



STAKEHOLDER SCOPING

Scoping interviews to gather input on key siting issues from stakeholders in all sectors.

- Stakeholder Database: 1000+ contacts
- 150+ Interviews



- State & Local Government
- Federal Government
- Environmental
- Ocean Users
- Industry
- Tribal

WEST COAST WAVE ENERGY FRAMEWORK

Framework to support siting and permitting wave energy projects in California, Oregon, and Washington.

- Identify information requirements
- Compile existing information
- Identify data gaps
- Options to address data gaps
- Integrated into MHK KnowledgeBase (searchable wiki)



PUGET SOUND TIDAL ENERGY FRAMEWORK

Framework to support siting and permitting tidal energy projects in Puget Sound, Washington.

- SNOPUD Admiralty Inlet Case Study
- Identify information requirements
- Compile existing information
- Identify data gaps
- Options to address data gaps
- Will be integrated into MHK KnowledgeBase (searchable wiki)



AREAS FOR FUTURE COLLABORATION

Develop similar tools & resources for other ocean renewable energy technologies & locales:

- Tidal Power in Maine & Alaska
- East Coast Offshore Wind
- Great Lakes Offshore Wind
- OTEC & Wave in Hawaii
- Mississippi River Basin In-Stream Hydrokinetics



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A background image of a water splash, showing blue water droplets and bubbles against a white background.

Innovation. Development. Results.