

# Coastal Infrastructure Assessment

PROJECT LOCATION: Newport, Oregon

PROJECT TYPE:



## Overview:

Advanced Research Corp. is conducting an infrastructure gap assessment to aid in the development of wave energy in Oregon.

- Understand the needs of wave energy developers. Interview developers worldwide, incorporating assessments of off-shore, near-shore, and on-shore technologies.
- Determine Oregon's current and planned capabilities. This investigation includes visiting coastal ports, manufacturers, workforce groups, and deployment vessel operators, determining capacities and limitations.
- Compare needs to capabilities and determine matches and shortfalls on both statewide and regional scales.
- Recommendations for Oregon will be prepared so lawmakers and government agencies can make well informed decisions to help accelerate Oregon's wave energy industry and increase available jobs in the state.

## Motivation/Goals:

This assessment will accomplish the following:

- Help Oregon understand the needs of wave energy developers
- Provide insight into what Oregon has and does not have to meet these needs
- Provide a path to resolve identified issues so Oregon will be ready when the time comes to deploy wave energy here



## Project Status:

We have completed the data collection phases, having interviewed eleven wave energy developers representing point absorber, overtopping, oscillating wave surge converter, attenuator, and submerge pressure differential devices, and met with port managers, manufacturers, ILWU local representatives, and various ship, tug, and barge builders and operators. We are now reviewing the results and identifying shortfalls and gaps.

### PROJECT INFORMATION:

#### Advanced Research Corporation

157 NW 15<sup>th</sup> St. (541) 265-9690 phone  
Newport, OR 97365 (866) 895-7842 fax

[www.advancedresearchcorp.com](http://www.advancedresearchcorp.com)

[John.Lavrakas@advancedresearchcorp.com](mailto:John.Lavrakas@advancedresearchcorp.com)  
[Jed.Smith@advancedresearchcorp.com](mailto:Jed.Smith@advancedresearchcorp.com)

### PROJECT TEAM:



**John W. Lavrakas**  
President



**Jedediah M. Smith**  
Engineer/Analyst

## Next Steps:

- Complete the gap analysis
- Formulate recommendations to remedy the gaps and shortfalls
- Present findings in a final report that is easily accessible, that is, understandable and providing a handy reference to access the contents

CONCEPT

DESIGNING PILOT

TEST PROJECT

RESULTS/ANALYSIS

COMMERCIALIZATION