

## Cook Inlet TidGen Project

<b>Grantees</b>	Ocean Renewable Power Company (Independent Power Producer)
<b>Technology Type</b>	OCEAN/RIVER
<b>Region</b>	Railbelt
<b>AEDG Project Code</b>	10286

### REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
4	660	Cook Inlet TidGen Project	7040059	408005	Construction	7/1/11	12/31/15	Active

### Grant 7040059: Cook Inlet TidGen Project

**Project Scope:** ORPC Alaska 2, LLC, a wholly owned subsidiary of Ocean Renewable Power Company, LLC, will install an array of four 150kW TidGen Power Systems with a total rated capacity of 600 kW near (within 3km) of East Foreland, Alaska. The devices are expected to be installed in water depths of 60-190 ft. at MLLW. Models have predicted peak velocities nearing 5 m/s (~9 knots).

ORPC has received a FERC Preliminary Permit for the East Foreland Project in March 2011 (P-13821-000).

As ORPC is still in the process of developing its tidal technology, all required technology will be developed to a standard by which it will be expected to be operational throughout its economic life. This will be shown by another deployment of the TidGen technology in Maine. In September 2012, ORPC deployed a 150 kW TidGen Power System in Cobscook Bay, Maine, under a Department of Energy award.

The deployment of the four devices at the East Foreland project site was originally scheduled to occur in two stages over the summers of 2014 and 2015; however, initial deployment is now expected to be pushed into 2015. Prior to the installation of the first device, ORPC will complete all work needed for the regulatory compliance and technology development. This will include submission of an application for a FERC Pilot License- a special FERC license developed specifically for testing hydrokinetic devices on a relatively small scale (5 MW).

**Project Status:** The grant agreement is in place however the project has stalled while additional funding partners are identified.

May 2015 OPRC continues to seek additional funding. As of Sep 2015 no additional action is apparent and the future prospects of additional funding are unknown.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$2,000,000.00	\$0.00
Other State Funding	\$0.00	\$0.00
<b>Total State</b>	<b>\$2,000,000.00</b>	<b>\$0.00</b>
Required Local Match	\$6,392,900.00	\$0.00
Federal Grant Funding	\$0.00	\$0.00
<b>Total Project Costs</b>	<b>\$8,392,900.00</b>	<b>\$0.00</b>