

## Innovative Solutions Canada Program

### Challenge EN578-170003/14: Kinetic Energy Harvesting on Marine Vessels

#### Attachment 1

#### Questions and Answers #1 to #4

This document contains questions and answers related to this challenge.

##### Question #1:

There are a variety of solutions that can harvest energy from external forces. Determining which approach to propose can be narrowed down with some additional guidance such as:

1. How much volume can be allocated for energy harvesting?
2. Expected energy available from the volume allocated?

##### Response #1:

Toward encouraging the most innovative and scalable solutions, volumes allocated for energy harvesting and expected energy generated in relation to these volumes will not be specified.

##### Question #2:

Seasickness is mentioned as a problem for vessel occupants - is discomfort due to hard wave impacts also a concern?

##### Response #2:

Yes.

##### Question #3:

Are you looking for a single product invention or a vessel-wide system incorporating multiple technologies?

##### Response #3:

Either are of interest.

##### Question #4

Are you looking for a solution that incorporates energy harvesting plus storage, or just energy harvesting to supplement existing vessel storage (i.e. batteries)?

##### Response #4

The latter is sufficient, we are not looking for novel energy storage solutions.