

Abstract Submitted  
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**Climate Change, Uranium from Seawater and Fukushima as Powerful Arguments for Nuclear Energy.** ROBERT HAYES, North Carolina State University — With the severe threats and deadly outcomes from global warming, the need for sustainable carbon neutral (or negative) energy supplies is dire. Now that actinide fuel for nuclear reactors can be extracted from seawater generated in the natural erosion from the continents in river water, the current world electricity could be generated 4 times over from this renewable energy source. The dosimetric consequences from all the radioactivity released from Fukushima has for many years now been well known and communicated from the expert panels, committees and societies to not have measurable medical outcomes. The only deaths which can be attributed to Fukushima radioactivity have been shown to be caused in the panicked evacuation so that the public literally risked (and lost) their lives to avoid a negligible dose in this sense. This radiophobia has also been demonstrated to have measurable medical effects due to various stress induced psychosomatic outcomes. Radiogenic doses to the public will also be reviewed in relation to known health consequences and typical exposure levels from various contributors.

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