

COMMITTEE ON NATURAL RESOURCES
113th Congress Disclosure Form
As required by and provided for in House Rule XI, clause 2(g) and
the Rules of the Committee on Natural Resources

Oversight hearing titled *“Whole Lotta Shakin’: An Examination of America’s Earthquake Early Warning System Development and Implementation.”*
June 10, 2014

For Individuals:

1. Name:

Prof. Douglas Ray Toomey

2. Address:

1272 Geological Sciences, University of Oregon, Eugene, OR, 97403

3. Email Address:

[Information redacted for privacy]

4. Phone Number:

[Information redacted for privacy]

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For Witnesses Representing Organizations:

1. Name:

2. Name of Organization(s) You are Representing at the Hearing:

3. Business Address:

4. Business Email Address:

5. Business Phone Number:

For all Witnesses

Name/Organization: Douglas Ray Toomey

Title/Date of Hearing: Oversight hearing titled “Whole Lotta Shakin’: An Examination of America’s Earthquake Early Warning System Development and Implementation.” / June 10, 2014

a. Any training or educational certificates, diplomas or degrees or other educational experiences that are relevant to your qualifications to testify on or knowledge of the subject matter of the hearing.

B.Sc., Geophysics, Pennsylvania State University, 1981

Ph.D., Oceanography/Seismology, Massachusetts Institute of Technology and Woods Hole Oceanographic Institution, 1987

b. Any professional licenses, certifications, or affiliations held that are relevant to your qualifications to testify on or knowledge of the subject matter of the hearing.

American Geophysical Union

c. Any employment, occupation, ownership in a firm or business, or work-related experiences that relate to your qualifications to testify on or knowledge of the subject matter of the hearing.

Professor, University of Oregon, 2002-present

Postdoctoral Associate, Massachusetts Institute of Technology, 1987-1990

Chair, Oversight Committee of Ocean Bottom Seismograph Instrument Pool, 2006-2012

Co-Convener, NSF Cascadia Initiative Workshop, Portland, OR, 2010

Lead Principal Investigator, Cascadia Initiative Expedition Team (CIET), 2011-present.

d. Any federal grants or contracts (including subgrants or subcontracts) from the Department of the Interior (and /or other agencies invited) that you have received in the current year and previous four years, including the source and the amount of each grant or contract.

Support of Seismic and Geodetic Network Operations Cooperative Agreements. USGS, G10ACF00140. \$410,327. 3/10-1/15.

Support for the Cascadia Initiative Expedition Team. NSF/OCE-1139701. \$1,393,840. 7/11 – 8/14.

Structure and Dynamics of the Lithosphere-Asthenosphere System Beneath the Juan de Fuca Plate. NSF-OCE. \$186,732, 08/13-07/16.

Testing Models of Magmatic and Hydrothermal Segmentation: A 3-D Seismic Tomography Experiment at the Endeavour Ridge. NSF-OCE. \$57,314. 3/11-2/12.

e. A list of all lawsuits or petitions filed by you against the federal government in the current year and the previous four years, giving the name of the lawsuit or petition, the subject matter of the lawsuit or petition, and the federal statutes under which the lawsuits or petitions were filed.

None

f. A list of all federal lawsuits filed against you by the federal government in the current year and the previous four years, giving the name of the lawsuit, the subject matter of the lawsuit, and the federal statutes under which the lawsuits were filed.

None

g. Any other information you wish to convey that might aid the Members of the Committee to better understand the context of your testimony.

I am a professor of seismology at a public research university (University of Oregon) in the earthquake prone Pacific Northwest. In that capacity, I am keenly interested in how science can be applied to societally relevant problems.

I currently lead the Cascadia Initiative, a four-year project funded by the National Science Foundation that features the largest array of onshore-offshore earthquake-measuring instruments in history. This onshore/offshore seismic and geodetic experiment takes advantage of an Amphibious Array to study questions ranging from megathrust earthquakes to volcanic arc structure to the formation, deformation and hydration of the Juan De Fuca and Gorda plates. For more about the Cascadia Initiative, see <http://cascade.uoregon.edu/winter2014/features/the-sleeping-giant/> (an article in a university alumni publication).

The University of Oregon also participates in the Pacific Northwest Seismic Network (PNSN), maintaining sensors in Oregon through a contract with the United States Geological Survey. The PNSN is a cooperative network operated by the University of Washington and the University of Oregon, and its primary purpose is to monitor earthquake and volcanic activity in the Pacific Northwest.

Witnesses Representing Organizations

Name/Organization: Douglas Ray Toomey

Title/Date of Hearing: Oversight hearing titled "*Whole Lotta Shakin': An Examination of America's Earthquake Early Warning System Development and Implementation.*" / June 10, 2014

h. Any offices, elected positions, or representational capacity held in the organization(s) on whose behalf you are testifying.

None

i. Any federal grants or contracts (including subgrants or subcontracts) from the *Department of the Interior (and /or other agencies invited)* that were received in the current year and previous four years by the organization(s) you represent at this hearing, including the source and amount of each grant or contract for each of the organization(s).

See (d) above.

j. A list of all lawsuits or petitions filed by the organization(s) you represent at the hearing against the federal government in the current year and the previous four years, giving the name of the lawsuit or petition, the subject matter of the lawsuit or petition, and the federal statutes under which the lawsuits or petitions were filed for each of the organization(s).

None

k. A list of all federal lawsuits filed against the organization(s) you represent at the hearing by the federal government in the current year and the previous four years, giving the name of the lawsuit, the subject matter of the lawsuit, and the federal statutes under which the lawsuits were filed.

None

l. For tax-exempt organizations and non-profit organizations, copies of the three most recent public IRS Form 990s (including Form 990-PF, Form 990-N, and Form 990-EZ) for each of the organization(s) you represent at the hearing (not including any contributor names and addresses or any information withheld from public inspection by the Secretary of the Treasury under 26 U.S.C. 6104)).