

Truth in Testimony Disclosure Form

In accordance with Rule XI, clause 2(g)(5)*, of the *Rules of the House of Representatives*, witnesses are asked to disclose the following information. Please complete this form electronically by filling in the provided blanks.

Committee: Science, Space, and Technology

Subcommittee: Energy

Hearing Date: November 22, 2019

Hearing Title :

The Future of Advanced Carbon Capture Research and Development

Witness Name: Jeffrey R. Long

Position/Title: Faculty Senior Scientist, Lawrence Berkeley National Laboratory and Professor, University of California, Berkeley

Witness Type: Governmental Non-governmental

Are you representing yourself or an organization? Self Organization

If you are representing an organization, please list what entity or entities you are representing:

If you are a non-governmental witness, please list any federal grants, cooperative agreements, or contracts (including subgrants or subcontracts) related to the hearing's subject matter that you or the organization(s) you represent at this hearing received in the current calendar year and previous two calendar years. Include the source and amount of each grant, cooperative agreement, or contract. *If necessary, attach additional sheet(s) to provide more information.*

If you are a non-governmental witness, please list any contracts or payments originating with a foreign government and related to the hearing's subject matter that you or the organization(s) you represent at this hearing received in the current year and previous two calendar years. Include the amount and country of origin of each contract or payment. *If necessary, attach additional sheet(s) to provide more information.*

Relevant Federal Grants, Cooperative Agreements, and Contracts for Jeffrey R. Long

California Energy Commission, subcontract from Mosaic Materials, Inc., “Cost Reduction for Biogas Upgrading via a Low-Pressure Solid-State Amine Scrubber,” \$100k/year, 2015-2017

Department of Energy, Clean Energy Research Center, “Water Use Reduction at Thermoelectric Plants,” \$115k/year, 2015-2020

National Science Foundation, “Conductive Metal-Organic Frameworks,” \$180k/year, 2016-2019

ExxonMobil, “Amine-Functionalized Metal-Organic Frameworks with Improved Long-Term Stability for Capturing Carbon Dioxide from Natural Gas Power Sources,” \$130k/year, 2016-2019

Department of Energy, “Predictive Hierarchical Modeling of Chemical Separations and Transformations in Functional Nanoporous Materials: Synergy of Electronic Structure Theory, Molecular Simulations and Machine Learning,” \$205k, 2017-2019

Department of Energy, “Amine-Appended Metal-Organic Frameworks as Switch-Like Adsorbents for Energy-Efficient Carbon Capture,” \$7.4M total, co-PI, 2017-2021

NASA, subcontract from Mosaic Materials, “Efficient Carbon Dioxide Desorption under a Martian Atmosphere using an Adsorbent with Non-Traditional Isotherms and Independent Carbon Dioxide and Water Adsorption Mechanisms,” \$38k, 2018-2019

ExxonMobil, “Cooperative CO₂ Capture in Metal–Organic Frameworks via Metal-Free Ammonium Carbamate Chain Formation,” \$140k/year, 2018-2020

Department of Energy, “Energy Frontier Research Center for Gas Separations,” \$2M total, lead PI, 2018-2019

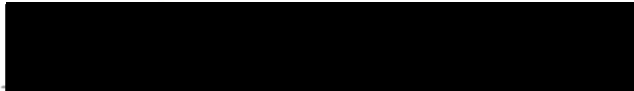
National Science Foundation, “Planning Grant: Engineering Research Center for Carbon Dioxide Utilization (CarbonUSE),” \$100k total, co-PI, 2018-2019

Department of Energy, “Interrogating Selective Metal-Adsorbate Interactions in Metal-Organic Frameworks,” \$1.7M total, lead PI, 2019-2022

In addition, I would like to disclose that I currently serve as a Director for Mosaic Materials, Inc., a start-up company dedicated to the commercial development of metal–organic frameworks for gas separations.

False Statements Certification

Knowingly providing material false information to this committee/subcommittee, or knowingly concealing material information from this committee/subcommittee, is a crime (18 U.S.C. § 1001). This form will be made part of the hearing record.



Witness signature

11/20/19

Date

If you are a non-governmental witness, please ensure that you attach the following documents to this disclosure. Check both boxes to acknowledge that you have done so.

- Written statement of proposed testimony
- Curriculum vitae

Rule III of the Rules of the Committee on Science, Space, and Technology provides:

(5) In the case of a witness appearing in a nongovernmental capacity, a written statement of proposed testimony shall include a curriculum vitae and a disclosure of any Federal grants, cooperative agreements, or contracts, or contracts or payments originating with a foreign government, received during the current calendar year or either of the two previous calendar years by the witness or by an entity represented by the witness and related to the subject matter of the hearing. The disclosure shall include the amount and source of each Federal grant (or subgrant thereof), cooperative agreement, or contract (or subcontract thereof) related to the subject matter of the hearing; and the amount and country of origin of any payment or contract related to the subject matter of the hearing originating with a foreign government. Such statements, with appropriate redactions to protect the privacy or security of the witness, shall be made publicly available in electronic form not later than one day after the witness appears.