Committee on Energy and Commerce
U.S. House of Representatives

Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)(5)

1. Your Name: **John German**		
2. Your Title: **Senior Fellow**		
3. The Entity(ies) You are Representing: **International Council on Clean Transportation**		
4. Are you testifying on behalf of the Federal, or a State or local government entity?	**Yes**	**No** X
5. Please list any Federal grants or contracts, or contracts or payments originating with a foreign government, that you or the entity(ies) you represent have received on or after January 1, 2013. Only grants, contracts, or payments related to the subject matter of the hearing must be listed. ICCT has no federal / foreign grants or contracts related to the specific subject matter of the hearing.		
6. Please attach your curriculum vitae to your completed disclosure form.		

Signature: [redacted] **Date:** **September 19, 2016**

John M. German

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PROFESSIONAL EMPLOYMENT

January 2009 to present	**SENIOR FELLOW, INTERNATIONAL COUNCIL ON CLEAN TRANSPORTATION** • Primary responsibility for technology innovation and U.S. policy development. • Managing project to track technology costs and benefits worldwide.
February 1998 to January 2009	**MANAGER, ENVIRONMENTAL AND ENERGY ANALYSIS, PRODUCT REGULATORY OFFICE, AMERICAN HONDA MOTOR CORPORATION** • Provide policy and technical analyses on vehicle-related emissions and energy issues. • Liaison between Honda R&D, both in the U.S. and Japan, and external organizations, including government agencies, environmental groups, other manufacturers, academia, and state representatives. • Primary Honda representative on fuel economy and global warming issues, including testifying before Congress, writing testimony, writing responses to CAFE rulemaking, and making presentations.
October, 1986 to January, 1998	**SENIOR TECHNICAL ADVISOR, U.S. EPA OFFICE OF MOBILE SOURCES.** Supervised up to 8 employees, managed development of regulations and guidance, and served as technical consultant on a wide variety of issues. • Technical manager for study on Tier II emission standards for cars and light trucks. • Designed and managed extensive research project evaluating in-use driving behavior and its impact on emissions in support of revisions to the Federal Test Procedure. Created and managed extensive usage of teams across organizational boundaries. • Managed the development of the Nonroad Engine and Vehicle Emission Study. • Managed rulemaking for Cold Temperature Carbon Monoxide Standards. • Worked with transporatation planners to help create and develop a computer simulation model for vehicle emissions. • EPA senior technical advisor on greenhouse gas and fuel economy issues, including CAFE alternatives, in-use fuel economy factors, and advanced technology. Active member of EPA global warming team and an inter-agency modeling team. • Created and managed rulemaking assessing LDT CAFE test procedure adjustments. • Developed policy guidance for driver-selectable devices, coastdown procedures, dynamometer power absorption settings, and model year definition and duration.
May, 1985 to Sept., 1986	**TEAM LEADER, U.S. EPA OFFICE OF MOBILE SOURCES.** Supervised 3 employees and managed manufacturer motor vehicle emissions compliance program. • Wrote guidance on numerous certification procedure issues.
December, 1981 to May, 1985	**ENGINEERING SUPERVISOR, CHRYSLER POWERTRAIN.** Supervised 6 engineers, supported product planning, and developed strategies to optimize vehicle fuel economy and to ensure compliance with all fuel economy requirements. • Chrysler's principal technical advisor on fuel economy and methods to improve CAFE • Provided technical analyses and written responses to proposed regulations. • Represented Chrysler on fuel economy matters with EPA and NHTSA. • Provided CAFE projections and analyzed CAFE impacts of future product changes. • Team leader of a project to implement Shift Indicator Lights.
November, 1976 to December, 1981	**ENGINEER, CHRYSLER POWERTRAIN.** Designed and implemented, from scratch, Chrysler's system to comply with extensive EPA fuel economy regulations issued in 1975. Also coordinated fuel economy testing, served as liaison with EPA, helped write responses to proposed regulations, and worked on special projects.

AWARDS and ADVISORY COMMITTEES

2010-13	**NATIONAL RESEARCH COUNCIL** – Committee on Transitions to Alternative Vehicles and Fuels. Vehicle subcommittee lead.
2011-13	**NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM** – Committee on Effects of Changing Transportation Energy Supplies and Alternative Fuel Soucres on State Departments of Transportation
2008	**NATIONAL RESEARCH COUNCIL** – Committee for a Study of Potential Energy Savings and Greenhouse Gass Reductions from Transportation
2006	**SAE ENGINEERING MEETINGS OUTSTANDING ORAL PRESENTATION AWARD**, for "It's a High-MPG Vehicle Issue, Not a Hybrid Issue", SAE Government/Industry Mtg.
2004	**BARRY MCNUTT AWARD FOR EXCELLENCE IN AUTOMOTIVE POLICY ANALYSIS** 1st recipient of annual award from the SAE
2002-2003	**ADVISORY BOARD**, Advanced Power Technology Alliance, Center for Automotive Research, Ann Arbor, MI
2002-2003 2001-2002	**SAE INDUSTRIAL LECTURESHIP PROGRAM,** to promote interaction between practicing engineers and faculty and students via campus visits
1995	**SILVER MEDAL,** U.S. EPA for strategies to reduce air pollution from nonroad engines
1994	**EPA SCIENCE ACHIEVEMENT AWARD** in Air Quality. Only person in EPA's Office of Mobile Sources ever to receive this award.
1992	**BRONZE MEDAL,** U.S. EPA for the "Nonroad Engine and Vehicle Emission Study"
1991	**BRONZE MEDAL,** U.S. EPA for the Cold Temperature Carbon Monoxide Rulemaking

LEADERSHIP TRAINING

2000	Honda Leader's Program – Center for Creative Leadership
1997	Modeling and Computer Simulation of Internal Combustion Engine--U. of Mich. course
1996-7	Excellence in Government Fellows Program--Council for Excellence in Government
1995	Diversity Workshops - University of Michigan
1993	Total Quality Management
1992	Looking Glass Workshop: Leadership in Multilevel Organizations – Creative Leadership
1991	Use of Consultative Methods - EPA Institute
1990	Work Group Leadership - Conservation Foundation
1989	Regulation Development in EPA - EPA
1988	Planning Effective Meetings - EPA
1987	Zenger-Miller Supervision program on Behavior Modeling - EPA
1985	Personnel Management for Managers and Supervisors - OPM
1984	Interaction Management - Chrysler Institute
1982	Organizational Leadership and Productivity - Mansare Corp.
1982	Leadership Effectiveness Training - Chrysler Institute
1981	Supervisory Skills Training - Chrysler Institute

EDUCATION

1980-1984 University of Michigan. Completed 34 hours towards M.B.A. GPA: 7.9 (A=8.0)

1970-1975 University of Michigan, B.S., Physics (minor in Math).
Honors: National Merit Finalist, Honors Program, Dean's List
Activities: U. of Michigan Marching Band and Concert Band

PUBLICATIONS

V. Franco, F. Posada, J. German, P Mock, "Real-world exhaust emissions from modern diesel cars", October 2014, published by ICCT. http://theicct.org/real-world-exhaust-emissions-modern-diesel-cars

P. Mock, U. Tietge, V. Franco, J. German, A. Bandivadekar (ICCT), N. Ligterink (TNO), U. Lambrecht (IFEU), J. Kühlwein (KISU), I. Riemersma (Sidekick Project Support), "From laboratory to road: A 2014 update", September 2014, published by ICCT. http://theicct.org/laboratory-road-2014-update

John German, "U.S. Tier 3 vehicle emissions and fuel quality standards, final rule", March 2014, published by ICCT. http://theicct.org/us-tier-3-vehicle-emissions-and-fuel-quality-standards-final-rule

D. Meszler, J. German, P. Mock, A. Bandivadekar, J. Tu, "Summary of Eastern EU labor rate impacts on EU cost curves", February 2014, published by ICCT. http://theicct.org/summary-eastern-eu-labor-rate-impacts-eu-cost-curves

S. Searle, F. Posada, C. Malins, J. German, "Technical barriers to the consumption of higher blends of ethanol", February 2014, published by ICCT. http://theicct.org/technical-barriers-consumption-higher-blends-ethanol

John German, "Invited Commentary: The Future of U.S. Natural Gas is Utilities, Export, and Trucks, not Cars", Current Sustainable/Renewable Energy Reports, Springer International Publishing AG 2014.

A. Bandivadekar, T. DeFries, J. German, S. Kishan, F. Posada, M. Sabisch, "In-Use Fuel Economy and CO2 Emissions Measurement using OBD Data on US Light-Duty Vehicles", SAE 2014-01-1623, April 2014.

F. Posada and J. German, "Measuring in-use fuel economy: Summary of pilot studies", December 2013, published by ICCT. http://theicct.org/measuring-in-use-fuel-economy-summary-pilot-studies

A. Bandivadekar, J. German, U. Lambrecht, N. Ligterink, P. Mock, "From Laboratory to Road", May 2013, published by ICCT. http://theicct.org/laboratory-road

A. Bandivadekar, J. German, D. Meszler, P. Mock, "Initial processing of Ricardo vehicle simulation modeling CO2 data", February 2013, published by ICCT. http://theicct.org/initial-processing-ricardo-vehicle-simulation-modeling-co2-data-0

A. Bandivadekar, J. German, D. Meszler, P. Mock, "Mass reduction impacts on EU cost curves", February 2013, published by ICCT. http://theicct.org/mass-reduction-impacts-eu-cost-curves

D. Meszler, J. German, P. Mock, and A. Bandivadekar, "EU cost curve development methodology", November 2012, published by ICCT. http://www.theicct.org/eu-cost-curve-development-methodology

D. Meszler, J. German, P. Mock, A. Bandivadekar, "Initial processing of Ricardo vehicle simulation modeling CO2 data", July 2012, published by ICCT. http://www.theicct.org/initial-processing-ricardo-vehicle-simulation-modeling-co2-data

F. Posada Sanchez, A. Bandivadekar, and J. German, Estimated Cost of Emission Reduction Technologies for Light-Duty Vehicles, published by ICCT, June 2012. http://theicct.org/estimated-cost-emission-reduction-technologies-ldvs

P. Mock, J. German, A. Bandivadekar, and I. Riemersma,"Discrepancies between type-approval and real-world fuel consumption and CO2 values in 2001-2011 European passenger cars", published by ICCT, April 2012. http://www.theicct.org/fuel-consumption-discrepancies

D. Kodjak, A. Bandivadekar, J. German, and N. Lutsey, "The regulatory engine: How smart policy drives vehicle innovation", published by ICCT, January 2011. http://www.theicct.org/regulatory-engine

John German, Hybrid Powered Vehicles, SAE Technology Profile T-119, 2nd edition, book published by Society of Automotive Engineers, Warrendate, Pa., 2011.

J. German and N. Lutsey, “Size or Mass? The Technical Rationale for Selecting Size as an Attribute for Vehicle Efficiency Standards”, July 2010, published by ICCT. http://www.theicct.org/2010/08/size-or-mass/

J. German and D. Meszler, “Best Practices for Feebate Program Design and Implementation”, April 2010, published by ICCT. http://www.theicct.org/2010/04/feebate-best-practices/

John German, " Leadtime, Customers, and Technology: Technology Opportunities and Limits on the Rate of Deployment". Reducing Climate Impacts in the Transportation Sector. D. Sperling and J. Cannon, Springer Press, 2008.

D. Greene, J. German, and M. Delucchi, " Fuel Economy: The Case for Market Failure ". Reducing Climate Impacts in the Transportation Sector. D. Sperling and J. Cannon, Springer Press, 2008.

J. German, "Reducing Vehicle Emissions Through Cap and Trade Schemes". Driving Climate Change: Cutting Carbon from Transportation. D. Sperling and J. Cannon, Elseview & Academic Press, 2006.

Hybrid Gasoline-Electric Vehicle Development, edited by John German, SAE PT-117, 2005.

John German, “Hybrid Electric Vehicles”, *Encyclopedia of Energy*, Elsevier & Academic Press, 2004

John German, Hybrid Powered Vehicles, SAE Technology Profile T-119, book published by Society of Automotive Engineers, Warrendate, Pa., 2003.

John German, “Hybrid Vehicles Go to Market”, TR News #213, March-April 2001.

John German, "VMT and Emission Implications of Growth in Light Truck Sales", Air and Waste Management Association Emission Inventory Conference proceedings, Oct. 1997.

J. Alson, J. German, K. Gold, R. Larson, and M. Wolcott, "Transportation Energy Demand Models: Why They Underestimate Greenhouse Gas Emissions", Climate Change Analysis Workshop Proceedings, June 6-7, 1996.

John German, "Off-Cycle Emission and Fuel Efficiency Considerations", Asilomar conference on Transportation and Energy, 1995.

John German, "Observations Concerning Current Motor Vehicle Emissions", SAE 950812, Feb. 1995.

J. Koupal and J. German, "Real-Time Simulation of Vehicle Emissions Using VEMISS", CRC On-Road Vehicle Emissions Workshop, April 1995.

S. Sheppard, J. Fieber, J. Cohen, and J. German, "Cold Start Motor Vehicle Emissions Model", Air and Waste Management Association, Cincinnati, 1994. Paper ID: 94-RP107B.02

P. Enns, J. German, and J. Markey, "EPA's Survey of In-Use Driving Patterns: Implications for Mobile Source Emission Inventories", AWMA/CARB Specialty Conference on Emission Inventory, Pasadena, CA, October, 1993.