



**“The Future of Electrification: Impact on Grid Infrastructure”**  
***Presented by the CSG Energy & Environment Public Policy Committee***

Friday, December 7, 2018, 8 – 9:30 a.m.

Customer adoption of electric end-use technologies, including electric vehicles, heat pumps for space and water heating, and electric technologies in industry and heavy transportation, is expected to spur steady growth in energy consumption over the next 30 years. How will this oncoming “electrification of everything” reshape the power landscape? Energy experts will address this question by sharing their perspective on how widespread electrification might impact electricity demand and consumption patterns, how the U.S. electricity system would need to transform, and what kind of policies and regulations will be needed to meet changes in demand from an electrified economy.

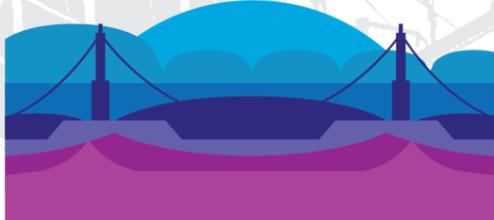
Moderator:

- **Senator Carol Blood**, *Nebraska Legislature and CSG Energy & Environment Committee member*

Speakers

- **Paul Donohoo-Vallett**, *technology and policy analyst, Department of Energy*
- **Paige Jadun**, *analyst, National Renewable Energy Laboratory*
- **Richard Meyer**, *managing director, American Gas Association*

Adjourn



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## Speaker Biographies

**Paul Donohoo-Vallett**, Technology and Policy Analyst, Department of Energy



At the Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE), Donohoo-Vallett specializes in electricity sector analysis, renewable energy technology modeling, integration with power systems and markets, and detailed exploration of energy end-use evolution. He has been involved in numerous cross-cutting DOE initiatives such as the Quadrennial Energy Review. He is a former American Association for the Advancement of Science, Science Technology & Policy fellow, has a PhD in physical chemistry from University of Colorado Boulder, and a B.S. in chemistry from the University of Vermont.

**Paige Jadun**, Analyst, National Renewable Energy Laboratory



At the National Renewable Energy Laboratory's (NREL) Strategic Energy Analysis Center, Jadun's work focuses on energy systems modeling of sustainable transportation, hydrogen production and utilization, and electrification. Jadun is a lead analyst for NREL's Electrification Futures Study, a research collaboration to explore the impacts of widespread electrification in all U.S. economic sectors--commercial and residential buildings, transportation, and industry. Jadun has an MSE in industrial and operations engineering from the University of Michigan.



**Richard Meyer**, Managing Director, American Gas Association



Having joined AGA in 2010, Meyer’s responsibilities include policy and economic analysis to support the association’s outreach to advance awareness of the important role that natural gas utilities serve in meeting the needs of a clean energy economy. Meyer’s work relates to natural gas supply and demand fundamentals, residential and large-volume markets, greenhouse gas emissions and climate-related policy, and natural gas distributed generation technologies like combined heat and power. Prior to AGA, Mr. Meyer was a Senior Associate with ICF International in its Fuels and Technology group. He has a M.A. in Global Environmental Politics from American University and a M.S. in Physics from California Polytechnic State University.