

*The New Jersey Clean Cities Coalition and
Energy Vision Present a Virtual Workshop:*



DECARBONIZING GAS IN NEW JERSEY

THURSDAY
NOVEMBER 4, 2021
2:00PM - 4:30PM

Energy Vision and New Jersey Clean Cities Coalition, along with government, industry, academic and NGO partners are co-hosting this virtual workshop, including presentations from public and private sector experts on emerging renewable gas and sustainable hydrogen programs, policies, projects and more.



RSVP: [HTTPS://NJ-GREEN-GAS-WEBINAR.EVENTBRITE.COM](https://nj-green-gas-webinar.eventbrite.com)

AGENDA

2:00 pm

Welcome & Opening Remarks

Chuck Feinberg – Executive Director, New Jersey Clean Cities Coalition & Partner, Greener by Design

2:05 pm

Perspectives on the New Jersey Master Plan

Adam Zellner – Former Sr. Policy Advisor to the NJ Governor & President of Greener by Design

2:20 pm

Low Carbon Gases: Production, Uses & Benefits

- Matt Tomich – Energy Vision
- JoAnn Milliken – New Jersey Fuel Cell Coalition
- Tucker Perkins – Propane Education Research Council
- Andrew Burnham – Argonne National Labs
- John Gonzales – National Renewable Energy Lab

3:10 pm

Advancing Low Carbon Gases Today: Industry Perspectives

- Dan Hagan – Waste Management Organics
- Mark Kahrer – New Jersey Natural Gas

Panel Discussion

3:45 pm

Case Studies: Decarbonized Gas Now

- Juan Corcino – Manhattan Beer
- Rick Dovey – Atlantic County Utility Authority
- Ricardo Hamdan – Hitachi Zosen Inova
- Chelsea Jenkins – Roush CleanTECH

4:25 pm

Wrap Up & Closing Comments

Joanna Underwood



SPEAKER BIOGRAPHIES

Chuck Feinberg – Chairman, NJ Clean Cities Coalition; Principal, Greener by Design, LLC



Chuck Feinberg has a broad professional, technical and business background. He is the Executive Vice President and a Partner in the environmental and clean energy sustainability consulting firm, Greener by Design, LLC. He also Chairs the Board of Trustees and is the US Department of Energy's designated Coordinator of the nonprofit NJ Clean Cities Coalition, NJ's only statewide entity focused exclusively on promotion of public/private partnerships to advance alternative fuels and advanced vehicles, fuel blends, fuel economy, plug-in vehicles, and idle reduction initiatives. He has led successful proposal efforts, and managed large grant projects and contracts from the USDOE, USEPA, NJDEP, NJTPA and NYSEERDA dealing with a variety of transportation, infrastructure, as well as other clean energy and microgrid projects. He also provides a variety of services to other public and private consulting clients. Chuck currently serves on several regional and national boards and workgroups. He previously served as Chair (appointed by the President of the NJ Board of Public Utilities) of a NJ State Energy Master Plan advisory workgroup on Alternative Fuels and Vehicles, and he served (appointed by the Governor) on an alternative fuel advisory council. He is a 2018 inductee into the US Department of Energy's Clean Cities Hall of Fame.

Matt Tomich – President, Energy Vision



Matt Tomich is the president of Energy Vision (EV). Since joining EV in 2012, his focus has been on the advancement of sustainable transportation solutions, especially for difficult to decarbonize heavy-duty trucks and buses. Much of his work at EV has looked at the production and use of ultra-low-carbon waste-based renewable natural gas (also known as RNG or biomethane) as a vehicle fuel. This has included research and writing on major RNG initiatives in the U.S. in the dairy, landfill gas, wastewater, residential and commercial waste sectors – research published on Energy Vision's website and various other government, industry and media outlets.

SPEAKER BIOGRAPHIES

Joanna Underwood - Founder and Chair, Energy Vision



Joanna founded Energy Vision (EV), a national environmental research group committed to advancing sustainable energy solutions in 2007 with a primary aim of ending the US addiction to oil in transportation. It has focused on educating Americans about the economic, environmental and climate benefits of converting organic wastes to clean-burning, net-carbon-negative renewable natural gas fuel. Before founding EV Joanna led INFORM for 35 years, which pioneered in emphasizing business strategies preventing pollution and wastes at their source across a wide range of industries. INFORM research in the 1970s first focused on clean energy and transportation strategies, and its analysis of ways to prevent toxic pollution from the chemical industry directly inspired the nation's first Pollution Prevention Law (1990). Joanna has served on numerous government, non-profit and industry advisory boards including New York State's Energy Research and Development Authority and the Rocky Mountain Institute. She is a graduate of Bryn Mawr College and La Sorbonne and has an honorary doctorate from Wheaton College.

Adam Zellner - Former Policy Advisor to the NJ Governor; President, Greener by Design, LLC



Adam Zellner was the Policy Director to a former Governor of the State of New Jersey, overseeing the development of a variety of statewide initiatives including the State's Energy Master Plan, the Renewable Portfolio Standards and the drafting and implementation of the Global Warming Response Act. Prior to joining the Governor's staff, Adam served as the Deputy Commissioner for Policy and Legislative Affairs for the New Jersey Department of Environmental Protection (NJDEP) under Lisa P. Jackson. He was the inaugural Executive Director of the New Jersey Highlands Council and is the former Executive Director of the New Jersey Office of Smart Growth. Adam served as State Director to several members of Congress and has worked for a variety of State Legislators throughout his career. Currently, Adam serves as the President of Greener by Design, where he works directly with a host of corporate and government clients, including several Fortune 500 companies, on energy and sustainability issues. He advises on major policy issues for elected officials and governments in the US and abroad. Adam lectures on energy and environmental issues throughout the US and teaches in the political science department at Rutgers University.

SPEAKER BIOGRAPHIES

JoAnn Milliken – Director, NJ Fuel Cell Coalition and Member, NJ Hydrogen Task Force



JoAnn Milliken is a Senior Energy Consultant with 34 years of Federal program management experience, more than 20 of those with the US Department of Energy, where she worked to advance the state of the art in energy efficiency and renewable energy technologies, practices and policy. Dr. Milliken is a recognized expert in hydrogen and fuel cell systems, and has experience in leading programs in energy efficient buildings, and solar, wind, and geothermal energy. She has a B.A. degree in chemistry from LaSalle University and a Ph.D. in chemistry from the University of Pennsylvania. Dr. Milliken retired from DOE in 2016 and organized the New Jersey Fuel Cell Coalition to promote adoption of hydrogen and fuel cell technologies. From 2018-2021, she served on a National Academies of Science (NAS) study committee examining light-duty vehicle technologies for the 2025-2035 timeframe. In 2021, JoAnn was appointed to the New Jersey Fuel Cell Task Force to advise on programs and policies for increasing deployment of hydrogen and fuel cell systems to help meet the State's clean energy goals.

Tucker Perkins – President & CEO, Propane Education Research Council



Tucker is the president and chief executive officer of the Propane Education & Research Council. He has worked in the propane industry for 26 years, having served as the director of business development for Inergy, chief executive officer of Premier Propane, and the chief operating officer of Columbia Propane, a unit of the Columbia Energy Group. Tucker is also the former chairman of a PERC advisory committee on engine fuel matters and is active with the National Propane Gas Association and the Virginia Propane Gas Association.

SPEAKER BIOGRAPHIES

Andrew Burnham – Principal Environmental Scientist, Argonne National Lab



Andrew Burnham is a Principal Environmental Scientist at Argonne National Laboratory, where he has worked since 2004. Andrew's research focuses on the energy use, emissions, and costs of advanced vehicle technologies and transportation fuels.

Andrew developed the Alternative Fuel Life-Cycle Environmental and Economic Transportation (AFLEET) Tool for Department of Energy's Clean Cities stakeholders to estimate petroleum use, greenhouse gas emissions, air pollutant emissions, and cost of ownership of alternative fuel and advanced vehicles. He has also developed major features of the GREET model, including the heavy-duty vehicle module and the vehicle-cycle model.

Andrew has more than 50 publications and made more than 100 presentations. He was recognized with the Distinguished Achievement Award in 2018 by the U.S. Department of Energy Office of Energy Efficiency & Renewable Energy for his work in building the AFLEET Tool.

John Gonzales Senior Engineer, National Renewable Energy Lab



John Gonzales is a senior engineer for technical assistance and deployment of alternative fuel vehicles for the Clean Cities Coalition Network, a position housed at the National Renewable Energy Laboratory (NREL). He works with the Natural Gas Vehicle Technology Forum and researches gaseous fuel storage equipment. In addition to his natural gas expertise, John spends considerable time providing technical assistance on a variety of propane and electric vehicle projects.

Before coming to NREL, John worked for the Natural Fuels Corporation promoting natural gas as an alternative fuel for automobiles, trucks, and buses. As the fleet manager for Adams 12 Five Star School District in suburban Denver, Colorado—a district of 42,000 students—he was responsible for 140 school buses and 120 support vehicles, also overseeing vehicle maintenance and custodial equipment. John's hands-on experience helps him relate to the concerns of fleet managers who are adopting and using a variety of alternative fuels and advanced technologies.

John graduated from the University of Southern Colorado with a B.S. in automotive parts and service management. He has served as a board member for the American Lung Association of Colorado, as chairman of the Denver Metro Clean Cities Coalition, and as chairman for the Colorado Chapter of the Rocky Mountain Fleet Management Association..

SPEAKER BIOGRAPHIES

Dan Hagan – Director of Business Development, Waste Management Organics



Dan has over 38 years of professional experience in environmental technology innovation and entrepreneurial business development. Dan has held various executive level management positions while building companies with leading innovative clean technologies. In 2010, Dan became the national Director of Business Development with WM Organics Recycling for Waste Management, North America's largest solid waste management company. He received his BS from Cornell University in 1982 and MBA from the University of New Hampshire's Whittemore School of Business and Economics in 1996.

Mark Kahrer – SVP, Regulatory Affairs, Marketing, Energy Efficiency, New Jersey Natural Gas



Mark G. Kahrer serves as Senior Vice President-Regulatory Affairs, Marketing and Energy Efficiency at New Jersey Natural Gas (NJNG), where he oversees all aspects of the company's regulatory affairs, gas supply, environmental services, marketing and energy efficiency functions.

Mr. Kahrer joined NJNG in 2017 as Vice President of Regulatory Affairs and was promoted to his current role in 2020. Prior to joining NJNG, he spent 34 years with Newark, NJ-based Public Service Electric and Gas Company (PSE&G) and its parent, Public Service Enterprise Group (PSEG).

Throughout his tenure with PSEG, he served in numerous capacities, including Vice President of Finance for PSE&G and PSEG Power, Assistant Treasurer and Senior Director – Business Performance and Improvement for PSE&G and PSEG Long Island. Mr. Kahrer was instrumental in starting up PSEG's corporate risk management function, lean six sigma efforts and was instrumental in the development of the performance metric program at PSEG Long Island.

Mr. Kahrer received his Bachelor of Science degree in accounting from Saint Peter's College and a Master of Business Administration in finance from Seton Hall University. He is the current First Vice Chairman of the New Jersey Utilities Association Board of Directors and a member of the Advisory Committees of the New Jersey Utility Stockholders Association and New Jersey Energy Coalition.

SPEAKER BIOGRAPHIES

Juan Corcino – Sr. Director of Fleet Ops and Sustainability, Manhattan Beer



Juan Corcino, a 23 year professional in driving operational advances and maximizing the value of Manhattan Beer Distributors' asset base while ensuring optimal operational costs.

Juan is proficient in innovating alternative fuel programs to keep up the green fleet innovation.

Richard S. Dovey – President, Atlantic County Utility Authority



Richard S. Dovey is President of the Atlantic County Utilities Authority (ACUA), a position he has held since 1990. Mr. Dovey oversees a staff of 250, an annual operating budget of \$60 million, and a capital budget averaging \$5 million yearly.

The ACUA operates a 40 million gallon-a-day wastewater treatment plant in Atlantic City, NJ, a regional sewerage collection system serving 14 municipalities in Atlantic County and an extensive solid waste management system in Egg Harbor Township which serves 100,000 homes and businesses in Atlantic County.

While Mr. Dovey has served as president, ACUA has been nationally recognized for excellence in innovation, efficiency, and environmental stewardship. As a strong proponent of renewable energy, he initiated many of ACUA's green projects, such as a 500-kilowatt solar project, a landfill gas-to-electricity project, South Jersey's first compressed natural gas (CNG) station and, most notably, the construction of New Jersey's first wind farm at ACUA's Wastewater Treatment Facility.

His continued focus on delivering excellent customer service and engaging with the community has made ACUA a highly regarded agency both locally and throughout the state.

SPEAKER BIOGRAPHIES

Ricardo Hamdan Sales Manager Canada, Hitachi Zosen Inova



Ricardo Hamdan is the National Sales Manager for Hitachi Zosen Inova Canada, a supplier of a wide range of Renewable Natural Gas and Hydrogen technology solutions. He has 14 years of experience in the RNG industry. His portfolio includes anaerobic digestion, gas upgrading, hydrogen electrolysis and CO2 methanation. Ricardo's experience ranges from development of carbon credit projects across dairy farms in Latin America to providing technology solutions for signature private and municipal projects in Canada particularly in BC, Quebec and Ontario.

Ricardo has previously served as a Board Director for the Canadian Biogas Association and as a volunteer advisor for MARS Innovation Centre in Toronto.

Chelsea Jenkins – Vice President, Government and Industry Relations, ROUSH CleanTech



Chelsea Jenkins is the vice president of government and industry relations for ROUSH CleanTech, the clean technology division of Roush Enterprises. She leads strategic efforts including building partnerships with government and nongovernmental organizations and managing regulatory, legislative and public policy initiatives for advanced clean transportation programs.

She joined ROUSH CleanTech's business development team in 2011, managing commercial, transit and school bus fleet accounts on the east coast. Prior, Jenkins served as the Virginia Clean Cities executive director and program coordinator. A recipient of the 2009 Clean Cities Coordinator of the Year award, she was inducted into the Clean Cities Hall of Fame in 2011. Jenkins helped establish Valley AIRNow, an air quality outreach program for two counties in Virginia, and was instrumental in the development of a biodiesel production and growth plan for Malta. Her career started in several nondestructive evaluation laboratories, including NASA's Langley Research Center. Jenkins holds a degree from James Madison University in Integrated Science and Technology.