

**To:** Hupp, Sydney[hupp.sydney@epa.gov]  
**Cc:** 'Douglas Jarvis' [Personal Email/Ex. 6]; 'Doug Jarvis' [Personal Email/Ex. 6]  
**From:** Mark Ranalli, Allegiance Energy Systems, LLC.  
**Sent:** Wed 3/29/2017 8:11:01 PM  
**Subject:** per Karen Bianco from your office - we are requesting a quick meeting between EPA Secretary Pruitt and EPSI President Steve Sexton  
[Vocgen National Plan Rev Feb 14 2017.pdf](#)

Dear Ms. Hupp,

Per a friendly conversation today (approx. 2:30 pm) and direction from your Karen Bianco to Mr. Doug R. Jarvis of Green Visions Solar in Upstate New York, Doug and I are writing to respectfully request/schedule a 5 to 10 minute appointment for a telephone conversation between Mr. EPA Secretary Scott Pruitt and EPSI (Environment & Power Systems International <http://www.vocgen.com/>) President, Mr. Steve Sexton; that Mr. Sexton may discuss how EPSI's VOCGEN technology can uniquely help our President Trump to revitalize U.S. manufacturing and jobs and careers in America, – and while directly positively affecting a cleaner environment than called for by the Clean Power Plan.

As background for that conversation, assuming Secretary Pruitt has not heard this yet from Mr. Tom Dadey, we attached the VOCGEN National Plan and drafted the below talking points:

- the Vocgen eliminates the age-old cost vs. compliance paradigm; making cost-effective air pollution controls and clean energy available to all industrial operations;
- Vocgen is a market-based energy (combined heat and power) and air pollution control solution designed to serve over 46,000 US industrial operations;
- Vocgen gensets (1 unit) reduce energy consumption; generating positive cash flows exceeding \$1 Million/year;
- the Vocgen technology has been vetted by:

U.S. DOE - Department of Energy, Berkeley National Labs

U.S. EPA - Environmental Protection Agency

U.S. DARPA - Defense Advanced Research Projects Agency, an agency of the U.S. Department of Defense

GTI - Gas Technology Institute (formerly 1976 founded Gas Research Institute)

EPRI - Electric Power Research Institute

ACEEE - American Society for an Energy-Efficient Economy

CEC - California Energy Commission

We look forward to hearing from you in regard to scheduling a date and time.

Thank You Ms. Hupp and Ms. Bianco !

Should you have any questions regarding the VOCCGEN technology or EPSI, toward scheduling the appointment, please feel free to call either of us at your convenience.

Best Regards

Doug and Mark

Doug R. Jarvis, Green Visions Solar: 315-415-5813 mobile

Mark A. Ranalli, Allegiance Energy Systems: 315-373-5055 mobile

Main Web Site: [www.vocgen.com](http://www.vocgen.com)

Market/Sales Site: Environmental XPRT (product information and publications)  
<https://www.environmental-expert.com/AllContent/?keyword=VOCCGEN>

Partners: <http://www.vocgen.com/partners.html>

CV/Resume: <https://www.visualcv.com/steven-sexton>

Vocgen National Plan Download: <https://www.environmental-expert.com/companies/environment-power-systems-international-32306/downloads>

LinkedIn Groups Managed by EPSI's SE Sexton

The VOCGEN Energy Group - <https://www.linkedin.com/groups/2740286>

Oro Valley Energy Venture Group - <https://www.linkedin.com/groups/6563219>

LinkedIn Pulse - Posts By SE Sexton

1. Advancing Environmental Health
2. Advancing Industrial Energy Efficiency Programs
3. Advancing Clean Power Plan Objectives
4. Manufacturing Sector Business Growth Intelligence
5. Advancing a Clean Power Economy

# **The Vocgen Solution for Industry**

**A national plan to help build a sustainable competitive manufacturing sector and an energy efficient economy**

**Steven E. Sexton, CEO and Managing Director of Environment & Power Systems International**

**An ambitious plan is proposed to replace energy -intensive air pollution controls at industry with a combined heat and power (CHP) technology that uniquely uses regulated air emissions as supplemental fuel for the cogeneration of electric power and useful high quality heat. The plan can substantially improve industrial energy security, environmental health and the overall economy of the United States of America.**

**At the heart of the patented VOCGEN power generator and the solution overall is the gas turbine oxidizer (GTO). The GTO is the only combined energy generator and air pollution control alternative that has undergone product development through peer group scrutiny via the stage-gate method including product prototyping; testing and evaluation; business case and planning; risk analysis; and a stage six (6) review of the economic feasibility representations essential for commercialization.**

**Vocgen is market-based energy efficiency and cost savings for manufacturing industries created by recycling VOC energy. It therefore eliminates the traditional cost necessary to operate air pollution control systems. Notably, a Vocgen power generator with an output of 560kWe and 6.4MMBtu high quality waste heat offsets ≈20,000 metric tons CO<sub>2</sub>e and toxics annually from regional coal-fired generation; representing high value emissions for trade.**

**VOCGEN is a combined air pollution control and cogeneration solution for industries subject to Title I of the Clean Air Act (CAA); the National Ambient Air Quality Standards (NAAQS) for ground level Ozone; CAA Title V air operating permit requirements for major sources; and the US EPA Clean Power Plan Guidelines.**

**Critical to its ability to replace legacy thermal destruction equipment costs at industry is the understanding that this innovation is not a “me too” energy solution. It is a unique alternative that generates positive cash flows for the 20 -year+ life of its operation. When the legacy equipment is altogether replaced within a corporate fleet, an improved and competitive cost of operations model is achieved. This profitability is not realized by simply adding up the fuel value of volatile organic air emissions used to help fuel the generation of electric power and heat. It is realized by replacing the lifecycle costs of legacy thermal destruction equipment with the lifecycle savings produced by combined heat and power (CHP) equipment, consisting of specially designed and configured power and heat producing equipment. Such equipment is used to offset the emissions typically generated on the grid to energize, heat and cool industrial production processes and buildings at industry. It therefore offsets coal-fired power and emissions just like renewables.**

**Given the fact that only a handful of the 104 industrial categories regulated by the U.S. EPA/States have ever deployed on-site combined cooling heating, and power (CCHP), the VOCGEN solution creates an extraordinary emergent market consisting of over 38,880 facilities within the United States alone. The significance of the emergent market is its potential for wealth generation and its potential to significantly grow industrial manufacturing sector including exports. This potential, despite the fact that the air pollution control market is saturated with inefficient legacy “burner” type equipment, can be quickly realized considering the contemporary factors shaping the mandate for the growth of a cost-effective and competitive U.S. industrial manufacturing sector.**

**Once national commercialization begins, the impact of the VOCGEN plan will be nationwide industrial facility retrofit construction projects and jobs in support of cost-competitive manufacturing; representing a significant reduction in ground level Ozone and CO<sub>2</sub>e and a measurable reduction in environmental health cost. Primarily, the Vocgen wealth generating economic model has the potential to significantly improve business growth, create jobs and improve the American economy.**

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