



CASE STUDY

NYSP21 Conducts Energy & Greenhouse Gas Impact Assessments

Venture Creations Incubator (VCI) at Rochester Institute of Technology (RIT) is a technology business incubator that provides a range of services to early to mid-seed stage startups to help them advance their businesses on their way to joining the ranks of viable, profitable businesses. VCI has been home to a NYSERDA (New York State Research and Development Authority) sponsored Clean Energy Incubator since 2009. Located adjacent to the RIT campus, VCI supports member companies through such activities as 1:1 coaching, consulting and mentoring, and making connections with key resources across New York State.

Challenge

VCI requested an independent third-party assessment of energy and greenhouse gas (GHG) impact for new clean energy products and technologies under development by 10 start-up companies as members of VCI. New York State Pollution Prevention Institute (NYSP21) was challenged with providing an analysis within a 30-day time frame to allow each company to meet the application deadline for NYSERDA's 2018 76West business plan competition. 76West is an unparalleled competition focused on growing entrepreneurs and attracting resources from the U.S. and around the world to build clean energy businesses and jobs in New York State's Southern Tier region.

Solution

NYSP21 analyzed and evaluated the broad spectrum of clean tech products under development by the 10 start-up companies. NYSP21 also estimated the clean energy impact, energy saved and GHG reduction potential.

Results

NYSP21 executed a high-level comparative analysis for each of the 10 start-up companies and their technologies, estimating the energy and GHG impacts, completing the analysis over a 30-day time frame. Additionally, each company was provided with an engineering report, documenting estimated values consistent with application requirements for the 2018 76West business plan competition. The results of each report included:

- NYSP21 Energy and GHG estimates showed excellent potential for the 10 new technologies under development
- NYSP21's analysis was used as a basis for GHG impact in the company applications for the 76West business plan competition

Testimonial

"We had a need for a set of greenhouse gas analyses that needed to be completed accurately and promptly. The team at NYSP21 quickly stepped up to the task helping to define the scope of the work, execute it, and deliver us a set of reports that met the needs of our clients and will serve as a model for future work."

- Richard Notargiacomo, Director; Venture Creations Incubator

CHALLENGE

- Venture Creations, a NYSERDA sponsored Clean Energy Incubator, challenged NYSP21 with providing 10 companies with an estimated energy use and greenhouse gas impact analysis (CO₂e), for their 10 new technologies. The analysis was required to be completed in a 30-day period to meet the 76West business plan application deadline

SOLUTION

- NYSP21 applied engineering resources to evaluate each of the 10 new technologies for energy and GHG impact

RESULTS

- NYSP21 provided each company with an engineering report, analyzing their new technology and documenting estimates for potential energy and GHG emissions (CO₂e) reductions, consistent with application requirements for the 2018 76West business plan

Venture Creations

RIT'S TECHNOLOGY BUSINESS INCUBATOR

NYSP21 PARTNERS



New York Manufacturing Extension Partnership

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