

### **The Best Business Case Award**

*Given to the fellow whose project has the most compelling business case, this award requires clear, well-documented analysis and research, significant impact potential and the likelihood of implementation.*



**Winner: Nicholas Zuba, CA Technologies**

Nicholas Zuba recommended an entire portfolio of projects that his host company, CA Technologies, could implement in their +700,000 square-foot facility, including:

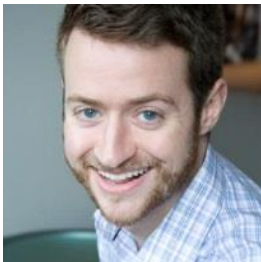
- installation of a “chiller variable frequency drive”
- installation and integrating building controls
- lighting upgrades
- changes to fan schedules and parking rules

Zuba also found that, by using an energy dashboard to transmit real time data (showing electric and natural gas usage, for example), energy consumption could be reduced by counteracting anomalies and altering employee behavior.

Zuba’s recommendations could save CA Technologies 3.7 million kilowatt hours of electricity, nearly 6,100 therms of natural gas and almost 2,500 metric tons of carbon emissions annually, equivalent to nearly \$440,000 in annual savings.

### **The Innovation Award**

*Given to the fellow whose project best uses creative approaches to energy management barriers, this award is given based on the potential for lasting impact and GHG reductions from creative financing, engagement or technological solutions.*



**Winner: Robert Youngs, City of Los Angeles**

Rob Youngs recommended a series of initiatives building upon the recent effort to benchmark and disclose energy use in city buildings throughout Los Angeles, including:

- “bottom-up” energy savings through employee engagement and energy competitions
- increasing the use of building HVAC automation software to increase occupant comfort and save energy in LA’s largest buildings
- streamlining a HVAC retro commissioning program

Youngs then developed a roadmap to deliver 14 percent energy savings across more than 500 buildings. These projects could save the City of Los Angeles over \$2 million in net operating costs in the first year, as well as 17 million kWh and over 7,000 metric tons of carbon emissions.

### **The Collaboration Award**

*Given to the fellow who has catalyzed collaboration on energy solutions between other fellows, host organizations and projects.*



**Winner: Fatou Jabbie, Northrup Grumman**

Fatou Jabbie conducted an energy efficiency assessment of one of Northrup Grumman’s data centers and identified six, top-level recommendations, including:

- improvements to lighting and set-point temperature adjustments
- data center operational systems including rack and POD configurations
- optimized energy use for airflow management
- on-site energy security and power generation
- evaluation of an on-site combined power, cooling and heating generation system

Jabbie was one of the most frequent posters on the EDF Climate Corps LinkedIn group, sharing resources and organizing opportunities for others to share. She even convened weekly conference calls for all of the fellows involved in finding efficiencies in data centers.