NES Commissions System at Stanford University's Center for Academic Medicine

NES Systems routinely reduces kWh consumption & peak kW demand by 95%

SAN MATEO, Calif. (PRWEB) December 24, 2020 -- Nagle Energy Solutions (NES) has commissioned its patent-pending, garage demand-control ventilation (DCV) system at Stanford University’s Center for Academic Medicine (CAM), a new, four-story, 170,000 square-foot office and administrative building on the Stanford University campus in Palo Alto, CA. The property includes a three-story, below-grade parking structure providing approximately 830 parking spaces.

NES’s innovative DCV system utilizes smart-control logic to detect and measure vehicle exhaust and modulate garage-exhaust fan speeds to prevent carbon monoxide (CO) and nitrogen dioxide (NO2) concentrations from exceeding code requirements (in parts per million).

Industry research has validated the NES DCV system limits the baseline of energy consumed by three-phase garage-fan motors to 2% of their combined full load capacity. This results in a 98% reduction in the kilowatt hours (kWh) and peak demand kilowatts (kW) which a garage mechanical ventilation system would otherwise consume with no means of fan-motor control in place. After accounting for garage traffic, the NES system routinely captures energy savings amounting to 95% – and up to 97% in many instances – as confirmed by garage occupancy and traffic pattern data, as well as real-time kW consumption and CO concentration data from sites where NES technology is deployed.

According to engineers from the Illinois Institute of Technology (IIT), NES’s control approach was determined to be 84% more energy efficient than the prevalent means of garage ventilation control currently deployed in new construction nationwide, 73% more effective than older “on-off” control systems installed throughout north America and 98% more proficient than fan motors being always on.

CAM is intended to consolidate office and administrative space for several Stanford Medicine departments currently located throughout the Stanford Medical campus. The new center will house faculty, researchers and administration staff in support of the nearby Stanford-affiliated hospitals and clinics.

About Nagle Energy Solutions: Based in San Mateo, CA, Nagle Energy Solutions, LLC (www.nagle-energy.com) develops and distributes a patent-pending DCV system for commercial garages which markedly reduces energy consumption by increasing operational efficiencies – all while the garage-fan motors run continuously.
Contact Information
Francis Nagle
Nagle Energy Solutions
http://www.nagle-energy.com
+1 (415) 378-5560

Online Web 2.0 Version
You can read the online version of this press release here.