



NEWS RELEASE

For Immediate Release

NES GARAGE VENTILATION CONTROL SYSTEM COMMISSIONED AT CITYLINE SUNNYVALE GARAGE

Projected to Capture 95% to 97% Energy Savings

SAN MATEO, CA, December 6, 2019 – Nagle Energy Solutions (NES) announced it has commissioned its patent-pending, demand-control ventilation (DCV) system at the Cityline Sunnyvale Garage in Sunnyvale, CA. Initial projections show the NES system shaving 273,000 kilowatt-hours (kWh) a year from the property's baseline of energy consumption, providing a recurring, operational-cost savings exceeding \$46,400 a year, not accounting for future utility rate increases.

The NES system is limiting the energy consumed by the garage's considerable mechanical ventilation system – powered by three, 10-HP and four, 5-HP exhaust-fan motor units – to less than 5% of its full load capacity. This correlates to up to a 97% reduction in the 281,400-plus kWh/year the same mechanical system would otherwise consume with no means of fan-motor control in place.

As a result, the cost to ventilate the multi-level Cityline Sunnyvale Garage is estimated to be just \$1,400 per year (approximately \$120 per month), down from the more than \$47,800/year (roughly \$4,000/month) property management otherwise would pay without the NES system in place and operating continuously.

The Cityline Sunnyvale garage is part of a newly created, mixed-use neighborhood in the heart of Sunnyvale. The NES system controls the rate of ventilation in the Cityline Sunnyvale Garage based on carbon monoxide (CO) concentrations at a given juncture. BACnet-communicating NES carbon monoxide (CO) sensors provide instantaneous feedback to the NES TR Series controller installed on site, which then relays speed commands — via variable frequency drives (VFDs) — to the garage's exhaust-fan motors, increasing and decreasing motor speeds in proportion to CO levels.

This approach, when deployed in conjunction with proprietary NES controller sequencing logic, routinely captures kWh and peak kW demand savings in the range of 95% to 97%.

About Nagle Energy Solutions: Based in San Mateo, CA, Nagle Energy Solutions, LLC (www.nagle-energy.com) develops, manufactures 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.

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