



NEWS RELEASE

For Immediate Release

NES COMMISSIONS FG SERIES SYSTEM AT SOUTHERN CALIFORNIA ALBERTSONS VONS

Sherman Oaks Pavilions store cuts garage kWh consumption & peak kW demand by 95%

SAN MATEO, CA, June 25, 2020 – Nagle Energy Solutions (NES) announced it has commissioned its patent-pending, demand-control ventilation (DCV) system for commercial garages at the Albertsons VONS Pavilions in Sherman Oaks, CA, a recently redeveloped, 52,000-square-foot supermarket at the corner of Ventura Boulevard and Kester Avenue.

The NES system is projected to reduce the property's energy consumption by more than 221,000 kilowatt hours (kWh) per year, with a peak demand reduction of more than 25 kW. This will provide a recurring, operational-cost savings of approximately \$33,200 per year, not accounting for future electric utility rate increases.

The NES system is limiting the energy consumed by the garage's considerable mechanical ventilation system – powered by three, 7.5-HP and one, 10-HP exhaust-fan motor units – to 5% or less of its full load capacity. This correlates to a 95% or greater reduction in the energy the mechanical ventilation system would otherwise consume – 233,000 kWh/year – with no means of fan-motor control in place.

As a result, the cost to ventilate the Albertsons VONS Pavilions enclosed garage is estimated to be just \$1,750 per year (or \$145 per month), down from the \$35,000/year (\$2,900/month) property management would pay without the NES system in place and controlling the garage ventilation system on a 24/7 basis.

The NES system controls the rate of ventilation based on carbon monoxide (CO) concentrations in the garage at any given juncture. BACnet-communicating NES carbon monoxide (CO) sensors provide instantaneous feedback to the NES FG Series controller installed on site, which then relays speed commands — via variable frequency drives (VFDs) — to the garage's fan motors, increasing and decreasing their speeds in proportion to CO readings.

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% and, in a number of other cases, as high as 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

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garages which markedly reduces energy consumption by increasing operational efficiencies – all while the garage-fan motors run continuously.

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