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## Achieving ROI Through Emissions Compliance Upgrades

Nationwide Boiler supplies industry leading equipment designed with the latest technology upgrades for *maximum efficiency and minimum emissions*. The CataStak™ SCR system has been proven to reduce NOx by as much as 90% in over 200 installations. Paired with an EconoStak economizer, the yearly efficiency savings and emission reductions that are quickly achieved result in a lower carbon footprint and a greater ROI, providing peace of mind and compliance assurance. The following projects highlight successful equipment upgrades, designed specifically to achieve emissions compliance while taking advantage of energy efficiency rebates.

### Del Monte - Modesto & Hanford, CA



Nationwide Boiler supplied Del Monte, Modesto a new 50,000 pph Babcock & Wilcox watertube boiler with a low NOx burner, CataStak™ SCR system and EconoStak economizer. An energy efficient condensing heat recovery system was also supplied (by others). Del Monte's Hanford facility retrofitted two (2) 100,000 pph watertube boilers with CataStak™ SCR systems and EconoStak economizers. Both projects resulted in less than 5 ppm NOx and NH<sub>3</sub> slip. The Modesto project was certified to operate at 95% fuel-to-steam efficiency, and Del Monte received a substantial rebate from the local utility company to help offset the cost of the project.

### Los Gatos Tomato - Huron, CA



Nationwide Boiler retrofitted a 150,000 pph English watertube boiler with a CataStak™ SCR system and EconoStak economizer at Los Gatos Tomato in Huron, CA. The boiler also included a standard no FGR low NOx burner, VFD, and O<sub>2</sub> trim (supplied by the customer). The CataStak™ performed at less than 5 ppm NOx and NH<sub>3</sub> slip, well exceeding the NOx limits required by the local Air Quality Resource Board. The local utility provider issued an energy efficiency rebate of \$146,351 to Los Gatos Tomato, significantly decreasing the payback period of the project. Los Gatos Tomato also projects yearly operating savings in fuel and electricity of \$100,000/year.

### JG Boswell Tomato Company - Buttonwillow & Corcoran, CA



Nationwide Boiler provided two (2) E<sup>2</sup>Stak solutions, complete with two (2) new Babcock & Wilcox watertube boilers, CataStak™ SCR systems, EconoStak economizers and low NOx burners to JG Boswell Tomato Company. The new 81,400 pph (Buttonwillow facility) and 125,000 pph (Corcoran facility) watertube boilers were designed with the latest energy efficient auxiliaries and NOx reduction technology equipment for the ideal emissions and efficiency performance. Both boilers operated at the highest efficiency and easily met NOx requirements, providing the customer with future compliance assurance with the lowest carbon footprint available.

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