



PROJECT SCOPE

237,000 Square-Foot Interior
LED Fixture Upgrade

~800 Industrial, Office and
Exterior LED Fixtures

Completed Between Crush
Operations in a Continually
Working Wine Making
Facility

Required 24-Hour/2-Shift
Work Schedule to Complete
Project in 8 Work Days

RESULTS

\$79,262 in Annual Energy
Savings

\$12,999 in Annual
Maintenance Savings

\$7,277 Cooler Load
Reductions

1.6-Year ROI Payback

377,438 kWh Saved Annually

LIGHTING UPGRADE AT WINERY SAVES \$80K IN ANNUAL ENERGY COSTS WITH ZERO OUT-OF-POCKET FOR CLIENT

PROJECT SUMMARY

Business: Sebastiani Winery

Business Type: Wine Production & Storage

Location: Sonoma, California

This 237K square-foot interior LED lighting upgrade required a crew that specializes in food-production facility retrofits. The project was implemented by IoEnergy pros who are experts at operating in confined spaces and are trained and certified in indoor lift and boom use. Because this facility operates 24/7, it required extensive safety and Covid-19 protocols. Our team, educated in proper construction hygiene for the food production industry and proper lock-out/tag-out procedures for working in constant-operation facilities, completed the lighting upgrade on time, on budget, and without incident.

Because the winery has a retail component and is partially housed in buildings dating back to the early twentieth century, this upgrade also had the added challenge of ensuring that the new LED lighting and controls technology did not take away from the facility's historic charm. The lighting was selected and positioned to add to the aesthetic appeal, while also delivering modern energy efficiency. Because the majority of these spaces involve climate-controlled wine storage and production, reducing the lighting energy load dramatically reduced the heat load throughout the facility, producing significant additional energy and operational cost savings.

IoEnergy collaborated with channel partner, Redaptive, Inc., to deliver this project with zero client out-of-pocket costs. The retrofit is paid for entirely through energy savings over time, with actual energy savings measured and verified through a proprietary utility-grade, panel-based metering system that produces highly accurate usage and consumption reports. These reports can be utilized to optimize time-of-use billing structures and produce further utility cost savings beyond the direct energy savings.



"We were very impressed with IoEnergy's work from end-to-end. The process ran really smoothly, and they were very professional, organized and easy to work with. They finished quicker than I thought they would, and we are really pleased with the improved visibility."

-Mark Clark, Director of Operations, Sebastiani Winery

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