

Verdant Energy Management Solutions

Tulipwood Apartments
Silver Tree Residential



All photos courtesy of Silver Tree Residential.

About

Trusted by thousands of hotels, multifamily properties, and commercial facilities, Verdant's energy management thermostats combine smart occupancy sensing with patented software to help hotel teams achieve their sustainability goals. By reducing unnecessary energy consumption without compromising guest comfort, Verdant enables properties to lower operating costs, improve efficiency, and make measurable progress toward environmental and financial performance targets.



Number of Rooms
74



Manager
Silver Tree Residential



Building Location
**Centerville,
Tennessee,
USA**



Building Class
Senior Living

VERDANT
by **COPELAND**



About Tulipwood Apartments

Tulipwood Apartments is a thoughtfully designed senior living community located in Centerville, Tennessee and developed by Silver Tree Residential. With 74 residential units, the property is dedicated to providing a comfortable, safe, and supportive environment tailored to the needs of older adults.

Energy Management Ecosystem

HVAC type: PTAC

Installation Date: August 2025

Climate Zone: Humid Subtropical (Zone 7a-7b)

Electric Rate: \$0.1176/kWh

The community emphasizes resident well-being through stable indoor environments, user-friendly amenities, and attentive operational management. Designed to accommodate a range of senior living needs, Tulipwood Apartments combines modern building systems with a resident-first approach, ensuring both comfort and efficiency across the property.

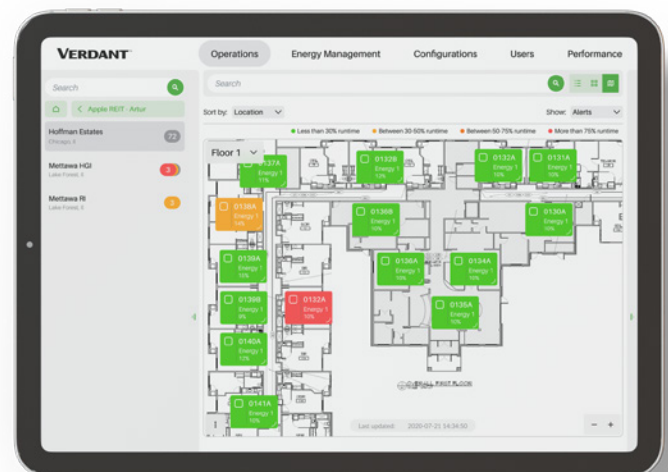
By integrating smart technologies like Verdant's energy management solutions, Tulipwood Apartments has also gained greater visibility into building performance, empowering teams with the data and insights needed to manage operations proactively and effectively.

Energy Consumption Challenges

At Tulipwood Apartments in Centerville, Tennessee, maintaining an optimal balance between energy efficiency and resident comfort was a central priority. As a senior living community, indoor temperature stability plays a critical role in supporting resident health and well-being.

However, beyond comfort, the team faced a lack of visibility into how energy was being used across the property. Without a centralized view, it was difficult to identify inefficiencies, monitor HVAC runtime, or understand how occupancy patterns were impacting performance across multiple units.

Many rooms experienced periods of vacancy throughout the day, yet heating and cooling systems often continued operating at full setpoints. Without clear, real-time insights, opportunities to optimize performance and improve operational efficiency were difficult to capture.





Property Goals

When Tulipwood Apartments implemented Verdant's energy management solution, their key priorities included:

Ensure Consistent Comfort

Maintain stable indoor temperatures that support the health and comfort of senior residents.

Increase Operational Transparency

Gain a centralized, real-time view of thermostat activity, occupancy status, and HVAC performance across all units. This visibility enables staff to quickly identify inefficiencies, track trends, and make informed operational decisions.

Simplify Temperature Control

Deliver an intuitive and user-friendly thermostat experience designed with seniors in mind. Clear displays, straightforward controls, and seamless functionality ensure that both residents and staff can easily adjust settings with confidence and minimal effort.

Improve Performance Awareness

Provide property teams with actionable insights and alerts into energy usage, system behavior, and operational efficiency through a single dashboard, eliminating guesswork and enabling proactive management.

To achieve these goals, the community required a system that could intelligently adapt to occupancy patterns while also delivering clear, accessible insights into building performance.

Solution

Enhancing Visibility with Verdant

Verdant's Thermostat Manager dashboard provides a centralized platform where staff can monitor and manage every thermostat across the property in real time. This level of transparency allows teams to quickly understand how each unit is operating, identify anomalies, and ensure consistent performance throughout the building.

With access to detailed reporting and system-wide insights, property managers can track HVAC activity, review trends, and measure the impact of operational changes all from a single interface.

Intelligent Energy Optimization

Verdant's smart thermostats leverage a setback feature to automatically adjust temperatures when rooms are unoccupied, reducing HVAC runtime. Once a resident returns, the system restores the room to the desired temperature, ensuring comfort is never compromised and energy is never lost.

Additionally, Night Occupancy Mode maintains consistent temperatures overnight, preventing setbacks while residents are sleeping.

Supporting Informed Operations

- **Centralized dashboard** provides real-time visibility into all units
- **Occupancy and runtime insights** enable faster, data-driven decisions
- **Historical reporting** highlights trends, efficiencies, and opportunities for improvement
- **Remote access** allows staff to respond proactively without needing to be on-site

Results

Performance Period: August 2025 - February 2026

Following installation in August 2025, Tulipwood Apartments gained full visibility into HVAC performance across all 74 units transforming how the team manages daily operations.

Through the Verdant dashboard, staff can now clearly see how energy is being used, where inefficiencies occur, and how adjustments impact overall performance. This transparency has enabled more proactive decision-making, reduced operational guesswork, and improved consistency across the property.

Big Picture



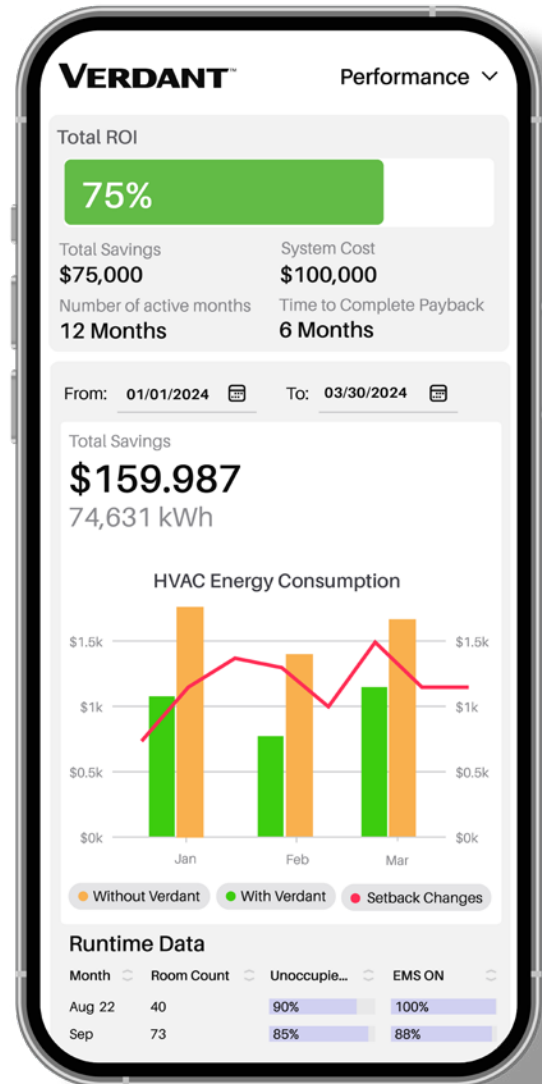
Avg. Monthly Energy Savings
7,066 kWh



Total Energy Savings
49,464 kWh



Avg. Monthly Cost Savings
\$830.58



Conclusion

By implementing Verdant's smart thermostat solution, Tulipwood Apartments transformed not only how energy is managed, but how the property is operated day to day.

The introduction of the Thermostat Manager dashboard provided critical transparency into system performance, enabling staff to monitor, analyze, and optimize operations with confidence. This centralized visibility, combined with automated controls and intuitive interfaces, allows the team to maintain a consistently comfortable environment while improving overall efficiency.

The result is a more informed, proactive approach to property management where comfort, energy savings, and operational clarity work together seamlessly.



Take Control of Your Energy Management with Verdant



Reduce Energy Costs

Save up to 18% on energy costs and reduce HVAC runtimes by 45% on average without affecting guest comfort.



Plug & Play

Suitable for both retrofit and new construction projects, our wireless thermostat can be self-installed in under 15 minutes.



True Mesh Networking

Keep your thermostats connected without interfering with your Wi-Fi.



Effortless Integration

The Verdant system can integrate with all HVAC types, PMS, BMS, lighting controls, and other smart technology.

Want to Learn More?

Contact Us:

verdant.sales@copeland.com

Learn More About Verdant Plus:

verdant.copeland.com/Verdant-plus/

Book a Web Demo:

verdant.copeland.com/book-a-web-demo

Say goodbye to unnecessary heating and cooling costs with Verdant's energy management system. Installed by more than 9,000 properties in North America and Europe, Verdant prioritizes energy efficiency without compromising guest comfort.

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