

Verdant Energy Management Solutions

Timber Ridge at Talus, by LCS



About

Timber Ridge at Talus is a retirement community in Issaquah, WA, offering a resort-style environment with a focus on health, comfort, and convenience. Located near Seattle, it provides well-designed living spaces, on-site amenities, and a continuum of care to support residents' evolving needs. The community is managed by Life Care Services®, a company with over four decades of experience in senior living.



Number of Rooms
464



Developer
Life Care Services



Building Location
**Issaquah,
Washington State,
USA**



Building Class
Senior Living

VERDANT
by **COPELAND**



Energy Consumption Challenges

At Timber Ridge, *maintaining a balance between energy efficiency and resident comfort* was a pivotal challenge. The well-being of senior residents could be significantly impacted by fluctuating temperatures, making it essential to keep indoor environments stable without disrupting daily routines.

Energy Management Ecosystem

HVAC type: Water Source Heat Pumps & Fan coils

Installation Date: March 2022

Climate Zone: Mixed-Humid

Electric Rate: \$0.16/kWh

To address this, the community required thermostats that were simple and intuitive, enabling seniors to adjust the temperature effortlessly. This ease of use was crucial for ensuring resident comfort while allowing the facility to manage energy usage effectively when needed, such as during periods when residents are away.

Property Goals

When Timber Ridge implemented the Verdant system, their key priorities were focused on achieving the following:

Ensure Consistent Comfort

for residents by maintaining stable temperatures that support their health and well-being.

Simplify Temperature Control

with an intuitive system that is easy for both seniors and staff to use.

Optimize Energy Usage

when residents are not in their rooms, lowering consumption without compromising senior comfort.





Solution

Meeting Timber Ridge's Comfort and Efficiency Needs

Based on the needs of Timber Ridge at Talus, Verdant's energy management system provided the ideal solution, ensuring consistent comfort and ease of use while minimizing energy consumption. Installed in March 2022, Verdant's smart thermostats allowed for precise temperature control, enhancing the overall living experience for residents.

Enhancing Energy Efficiency with Verdant

The Dynamic Setback feature intelligently reduces HVAC runtime by **allowing the temperature to fluctuate within a set range** when a room is unoccupied. This helps lower energy use while maintaining comfort. Before residents return to their rooms, the system automatically recovers to the desired temperature.

Additionally, the Night Occupancy Mode feature prevents setbacks overnight when residents are present, keeping heating or cooling active for uninterrupted comfort while they sleep.

Ensuring Ultimate Comfort for Seniors

Verdant's smart thermostats are designed to cater to the unique needs and preferences of seniors across various living arrangements, including independent living, assisted living, and memory care. Our thermostats offer **customizable settings for different levels of care**, providing tailored comfort for all residents. The setpoint limit feature helps maintain a consistent environment by preventing unwanted temperature changes, always ensuring the well-being and comfort of seniors.

Intuitive Temperature Control for Residents & Staff

Verdant offers centralized control over thermostats across the entire property, allowing staff to monitor in-room activity and adjust temperatures in real time, ensuring efficient management and responsive action from anywhere. For residents, **the intuitive temperature control is designed for seniors**, featuring large, backlit displays with bold text for easy visibility in any lighting condition.



Results

Performance Highlights

After the installation, **Timber Ridge experienced significant savings**, with data showing a noticeable reduction in energy costs and improved efficiency.



Big Picture

Total Savings:



Total kWh Savings

952,883.74 kWh



Total \$ Savings

\$49,883.78



Equals to

**161 gasoline-powered cars
off the road for one year**



Equals to

**834 electric-powered cars
off the road for one year**



Take Control of Your Energy Management with Verdant



Reduce Energy Costs

Save up to 20% 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.



Optimal Resident Comfort

Prioritize senior comfort with intuitive temperature control and customizable pre-set profiles based on care needs.

Say goodbye to unnecessary heating and cooling costs with Verdant's energy management system. Installed by top senior living properties, Verdant prioritizes energy efficiency without compromising resident comfort.

Want to Learn More?

Contact Us:
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Book a Web Demo:
verdant.copeland.com/book-a-web-demo

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