

# Energy Consumption Report

Generated on March 26, 2025

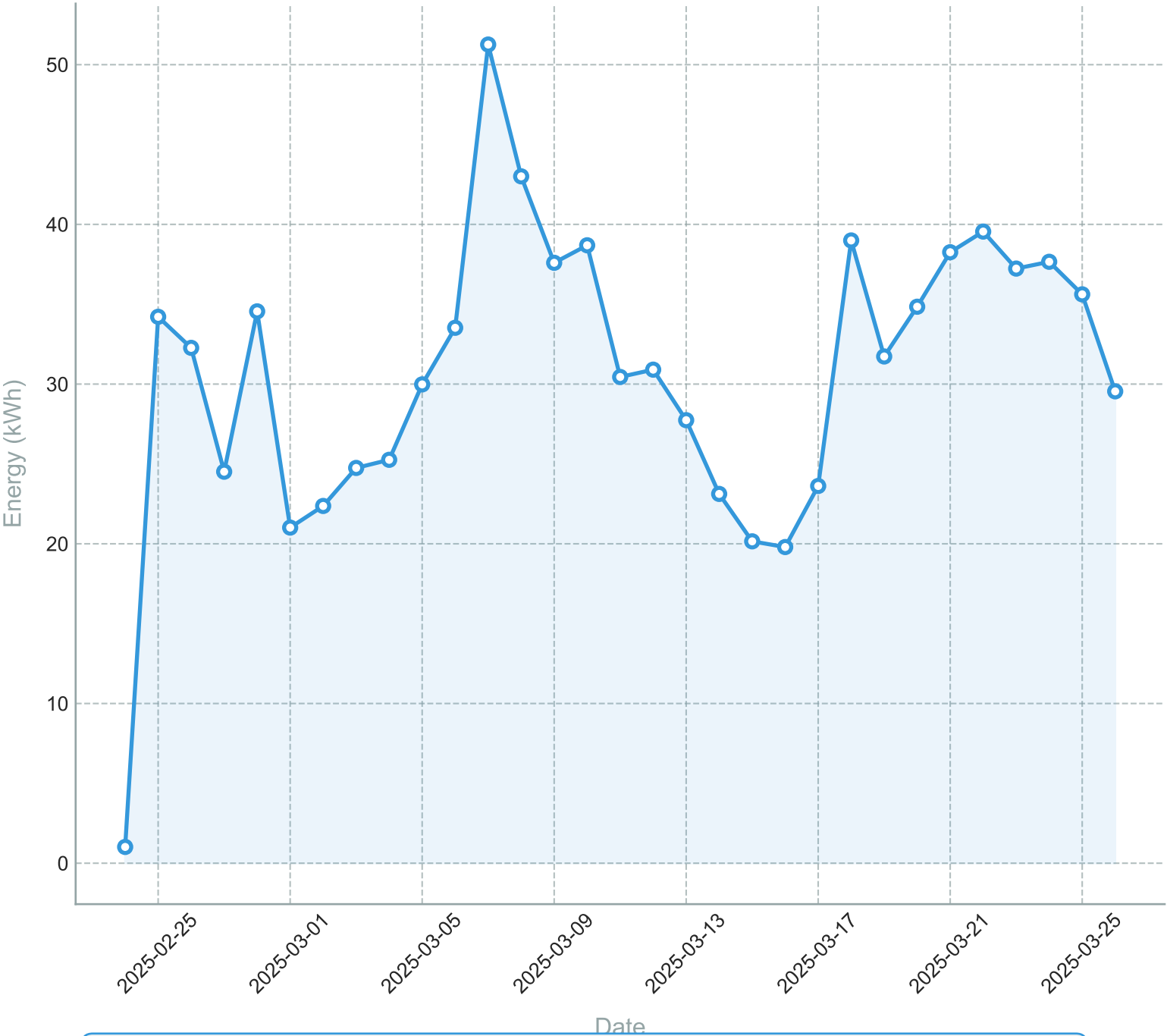
Report for: Test User

## Summary

|                          |                          |
|--------------------------|--------------------------|
| Total Energy Consumption | 953.23 kWh               |
| Estimated Cost           | 219.24 AED               |
| Date Range               | 2025-02-24 to 2025-03-26 |

# Energy Consumption Trends

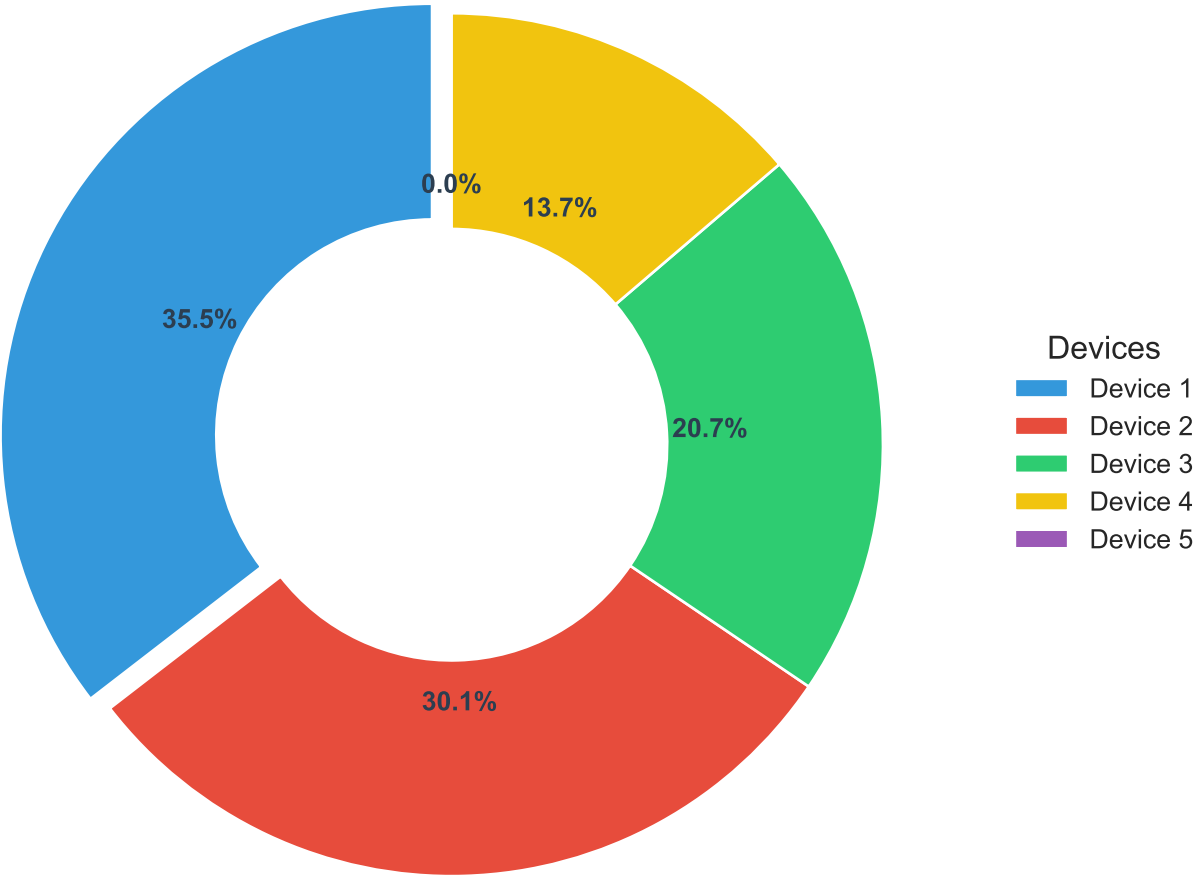
Daily Energy Consumption



Your average daily change in energy consumption is 110.3%. Your most recent change was -17.1%.

# Energy Consumption by Device

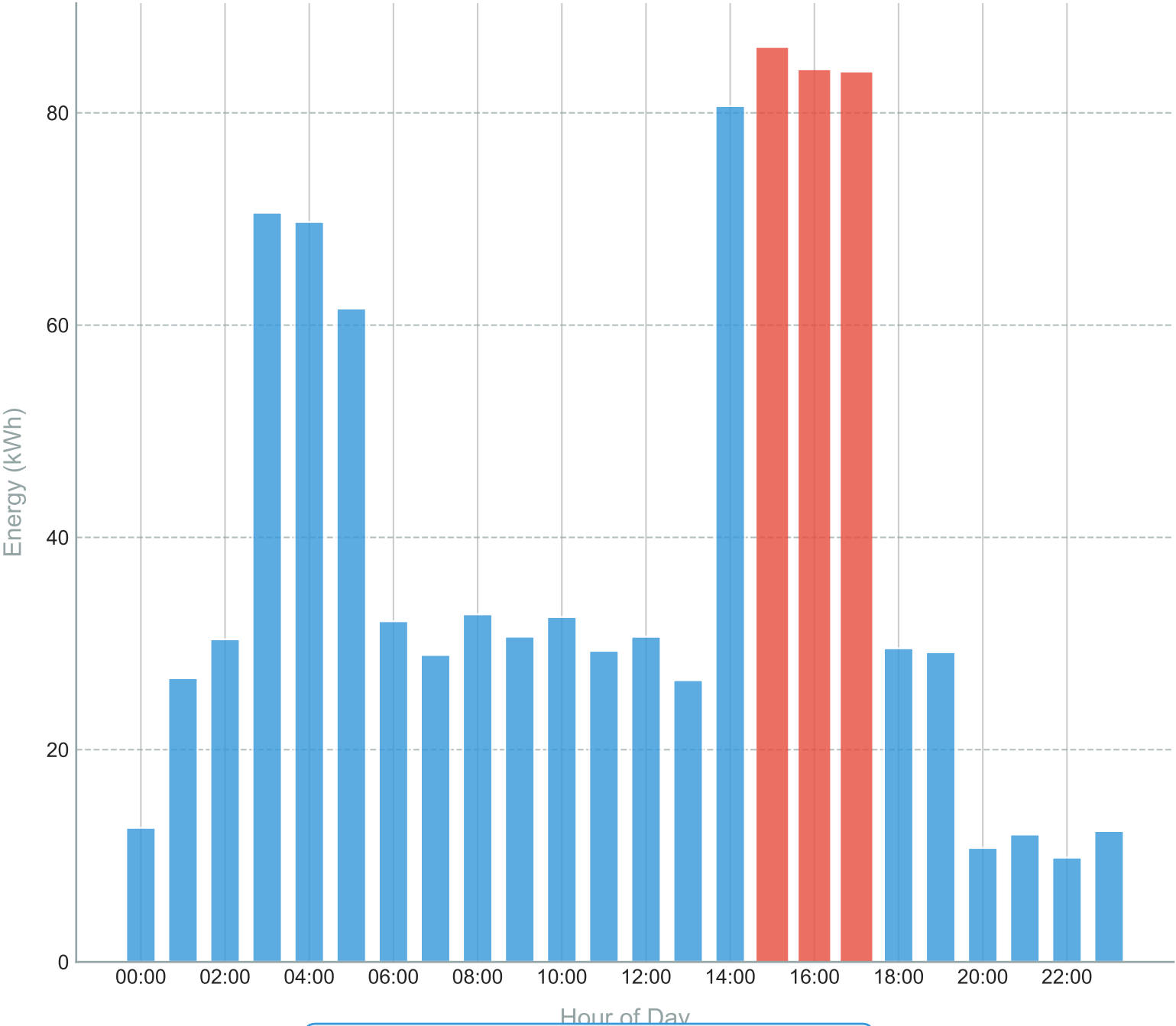
Distribution of Energy Consumption



| Device   | Energy (kWh) | Percentage | Cost (\$) |
|----------|--------------|------------|-----------|
| Device 1 | 338.04       | 35.5%      | \$77.75   |
| Device 2 | 286.59       | 30.1%      | \$65.92   |
| Device 3 | 197.63       | 20.7%      | \$45.45   |
| Device 4 | 130.97       | 13.7%      | \$30.12   |
| Device 5 | 0.00         | 0.0%       | \$0.00    |

# Usage Patterns

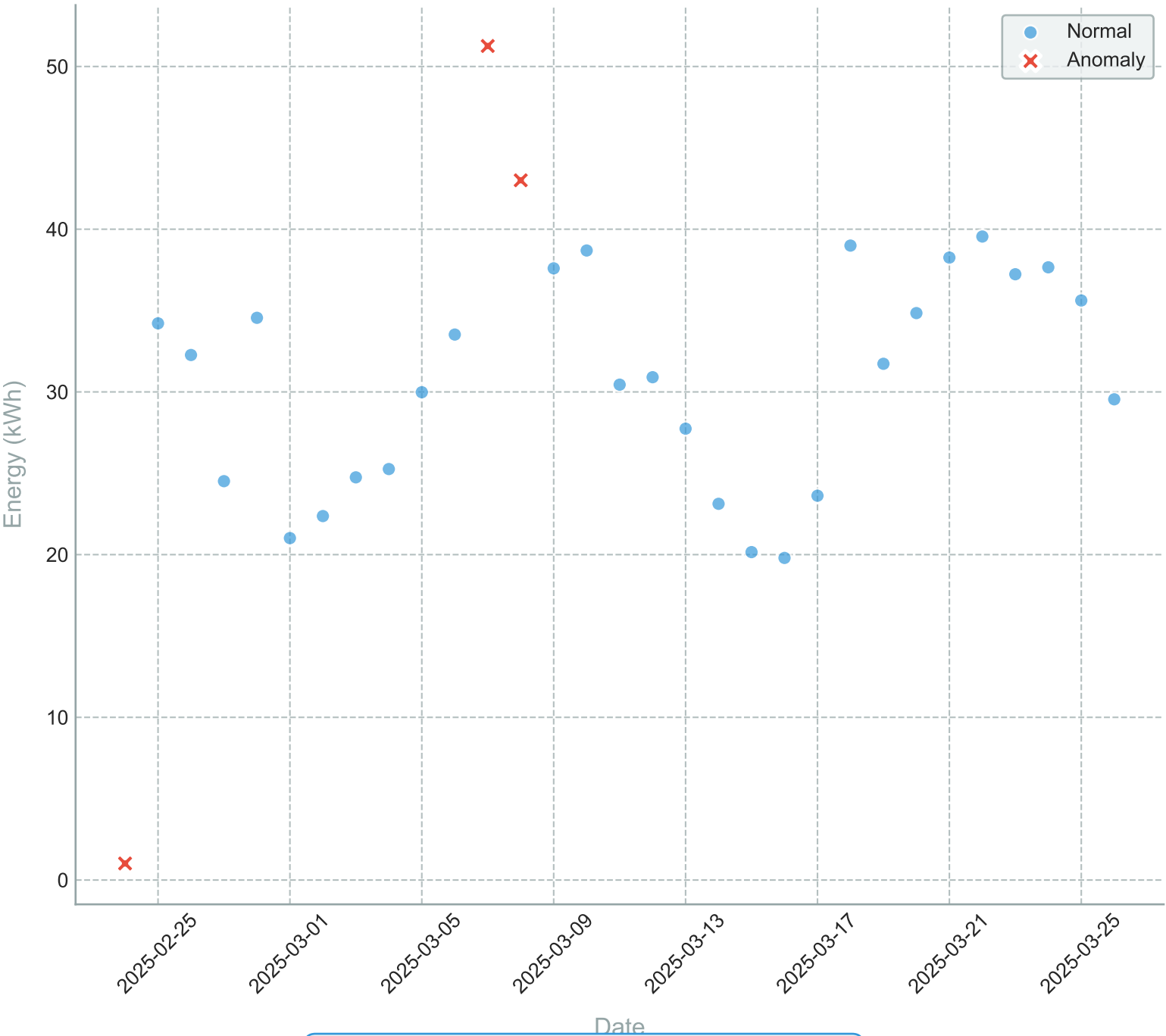
Energy Consumption by Hour of Day



Your peak energy usage occurs at: 15:00, 16:00, 17:00

# Anomaly Detection

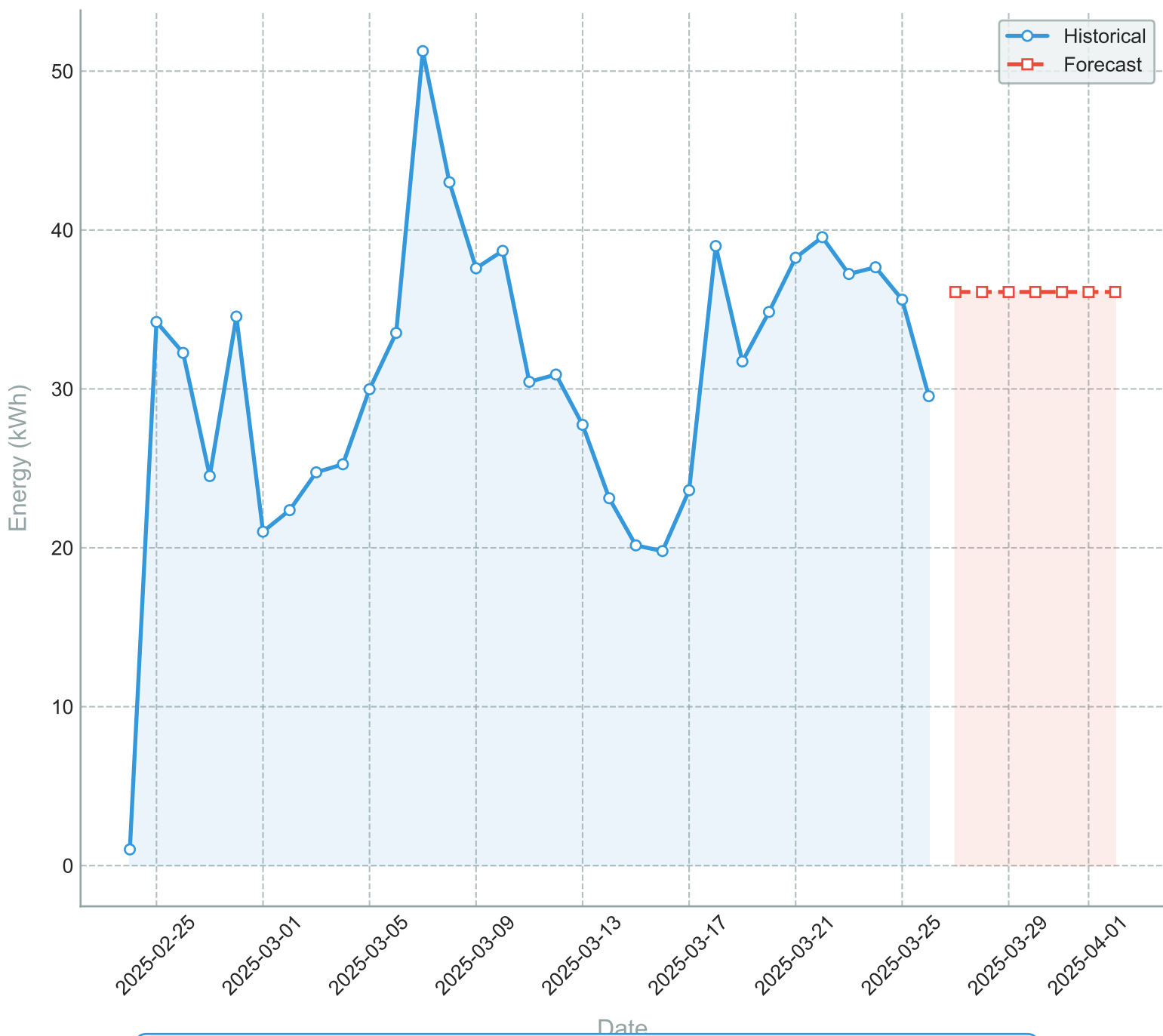
Anomaly Detection in Energy Consumption



We detected 3 anomalies in your energy consumption.

# Energy Consumption Forecast

7-Day Energy Consumption Forecast



Forecasted energy consumption for the next 7 days: 252.70 kWh. Estimated cost: \$58.12.

# Energy Saving Recommendations

☐ Consider using smart power strips to eliminate phantom energy use from devices on standby.

☐ Replace high-energy appliances with energy-efficient models (look for ENERGY STAR ratings).

☐ ☐ Install a programmable thermostat to optimize heating and cooling.

☐ ☐ Use natural light when possible and replace incandescent bulbs with LEDs.

☐ Ensure proper insulation in your home to reduce heating and cooling costs.

☐ Your Device 1 consumes 35.5% of your energy. Consider upgrading to a more efficient model or adjusting usage patterns.

☐ Your peak energy usage occurs around 15:00. Consider shifting energy-intensive activities to off-peak hours.