

# SYNC Energy Consumption Report

Generated on March 26, 2025

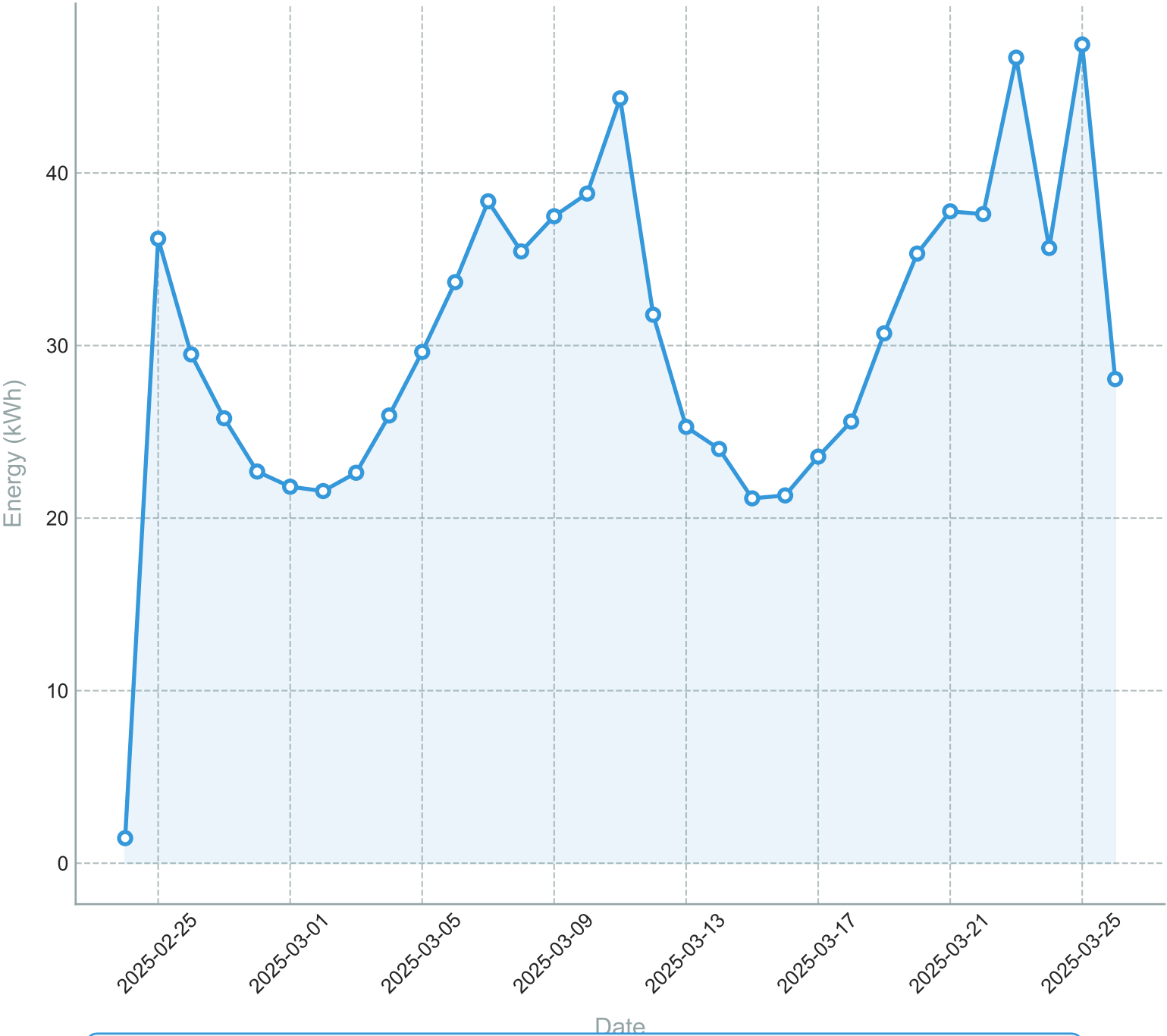
Report for: Test User

## Summary

Total Energy Consumption	937.26 kWh
Estimated Cost	215.57 AED
Date Range	2025-02-24 to 2025-03-26

# Energy Consumption Trends

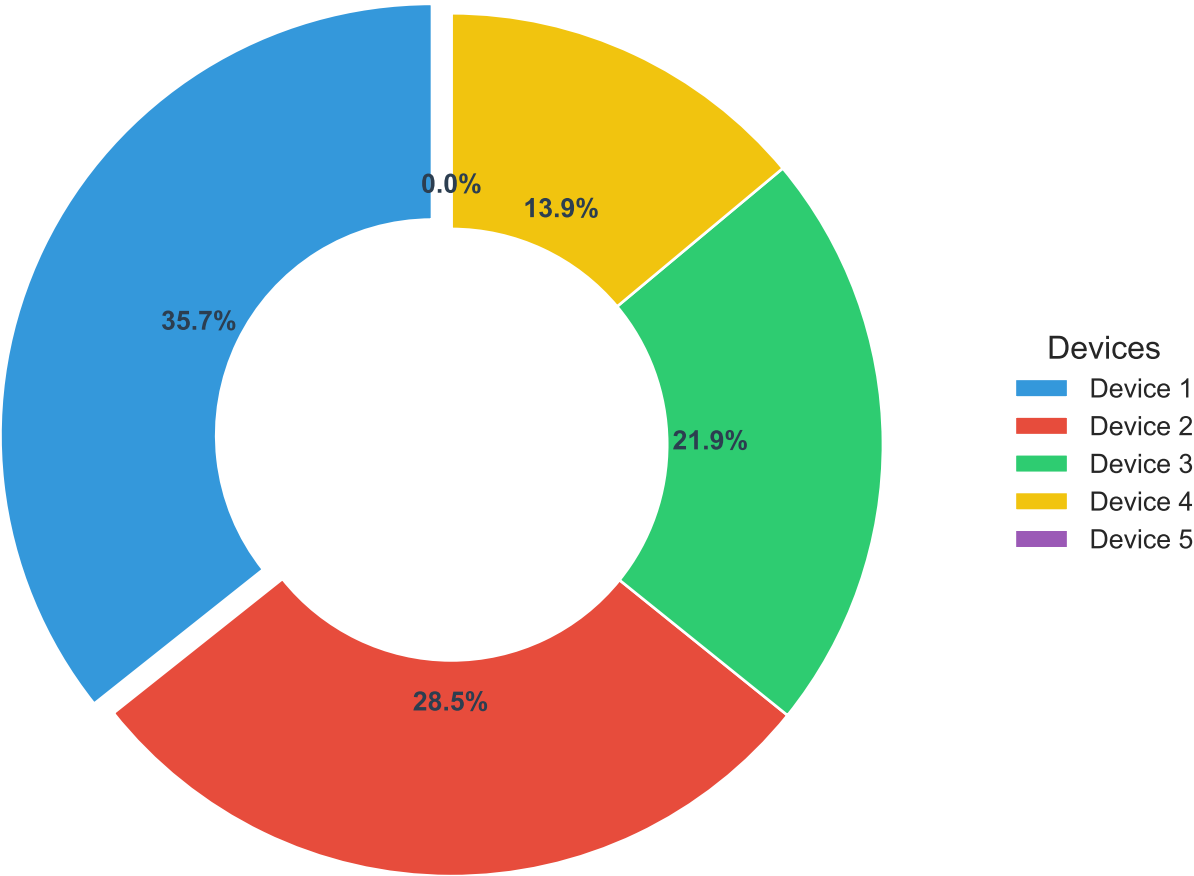
Daily Energy Consumption



Your average daily change in energy consumption is 80.3%. Your most recent change was -40.9%.

# Energy Consumption by Device

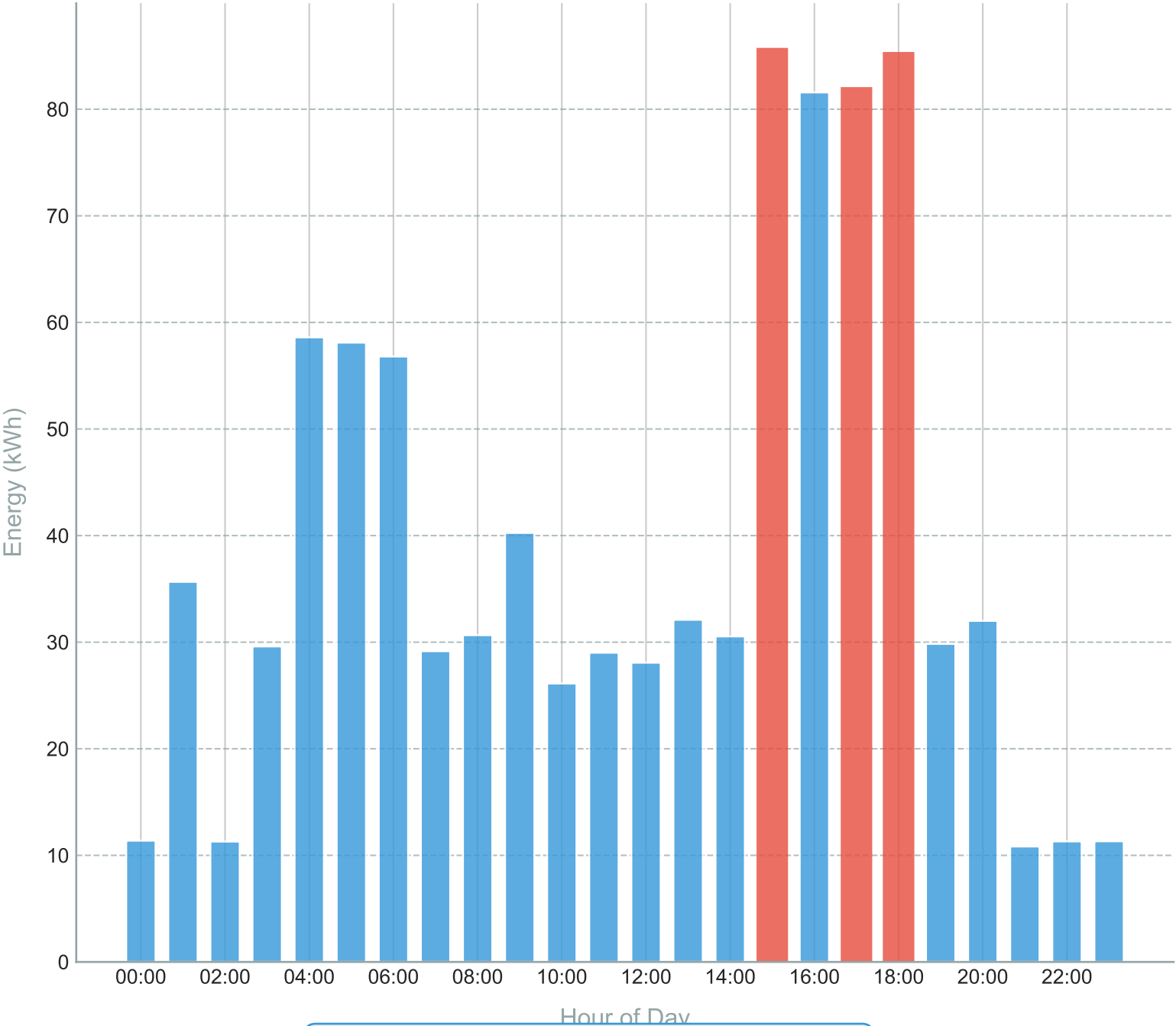
Distribution of Energy Consumption



Device	Energy (kWh)	Percentage	Cost (\$)
Device 1	334.46	35.7%	\$76.93
Device 2	267.35	28.5%	\$61.49
Device 3	204.85	21.9%	\$47.11
Device 4	130.60	13.9%	\$30.04
Device 5	0.00	0.0%	\$0.00

# Usage Patterns

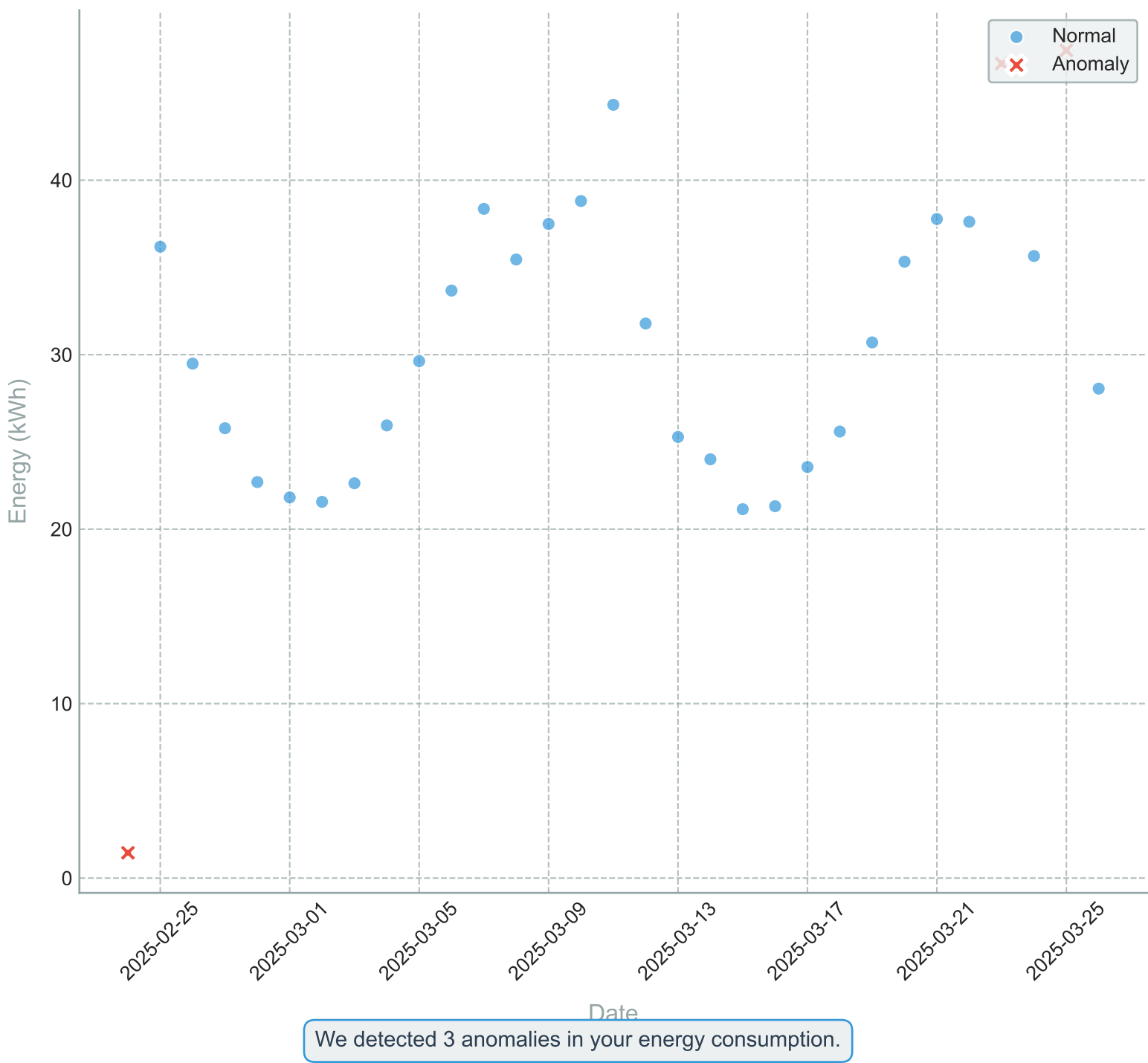
Energy Consumption by Hour of Day



Your peak energy usage occurs at: 15:00, 18:00, 17:00

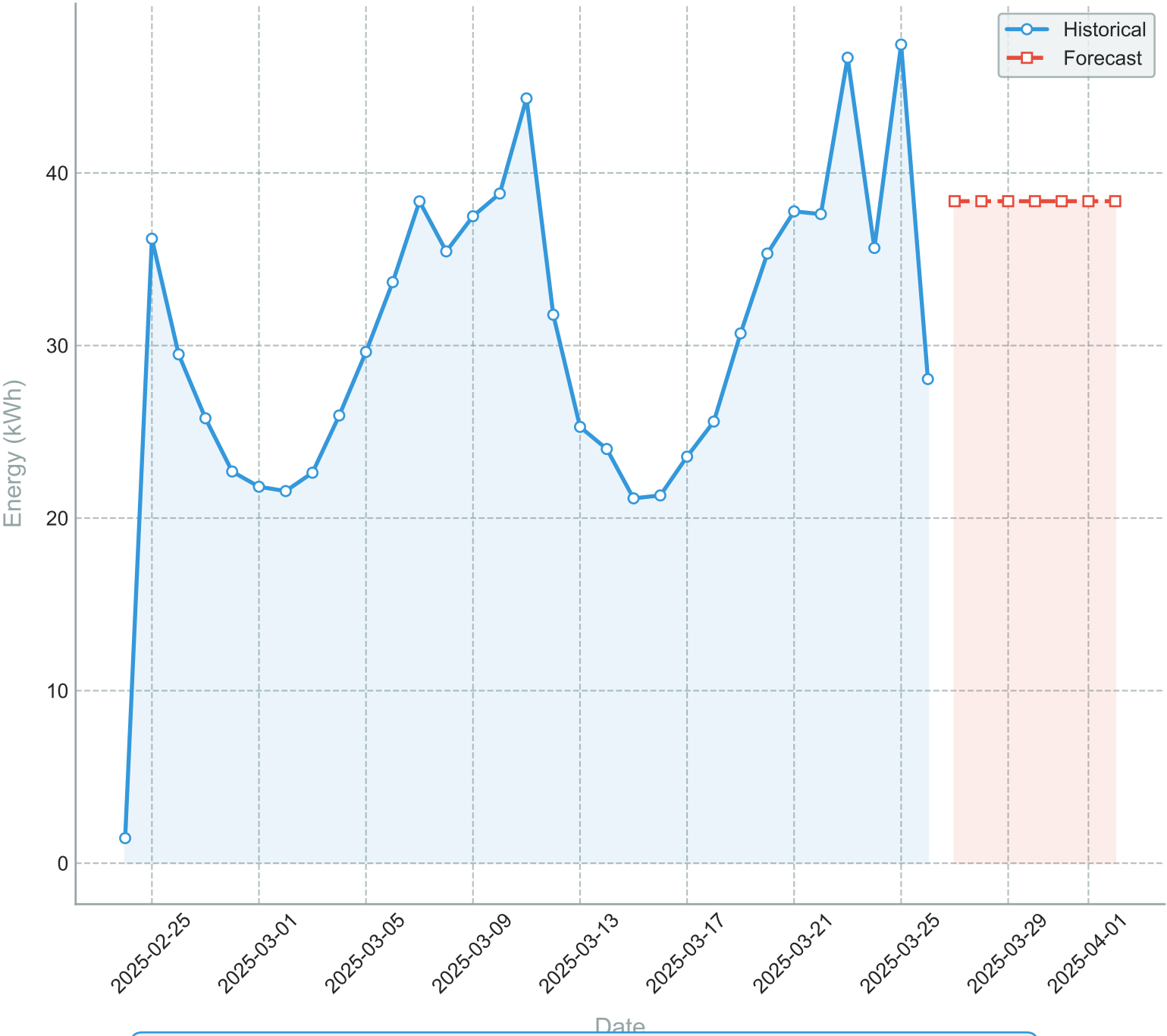
# Anomaly Detection

Anomaly Detection in Energy Consumption



# Energy Consumption Forecast

7-Day Energy Consumption Forecast



Forecasted energy consumption for the next 7 days: 268.56 kWh. Estimated cost: \$61.77.

# 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 35.7% 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.