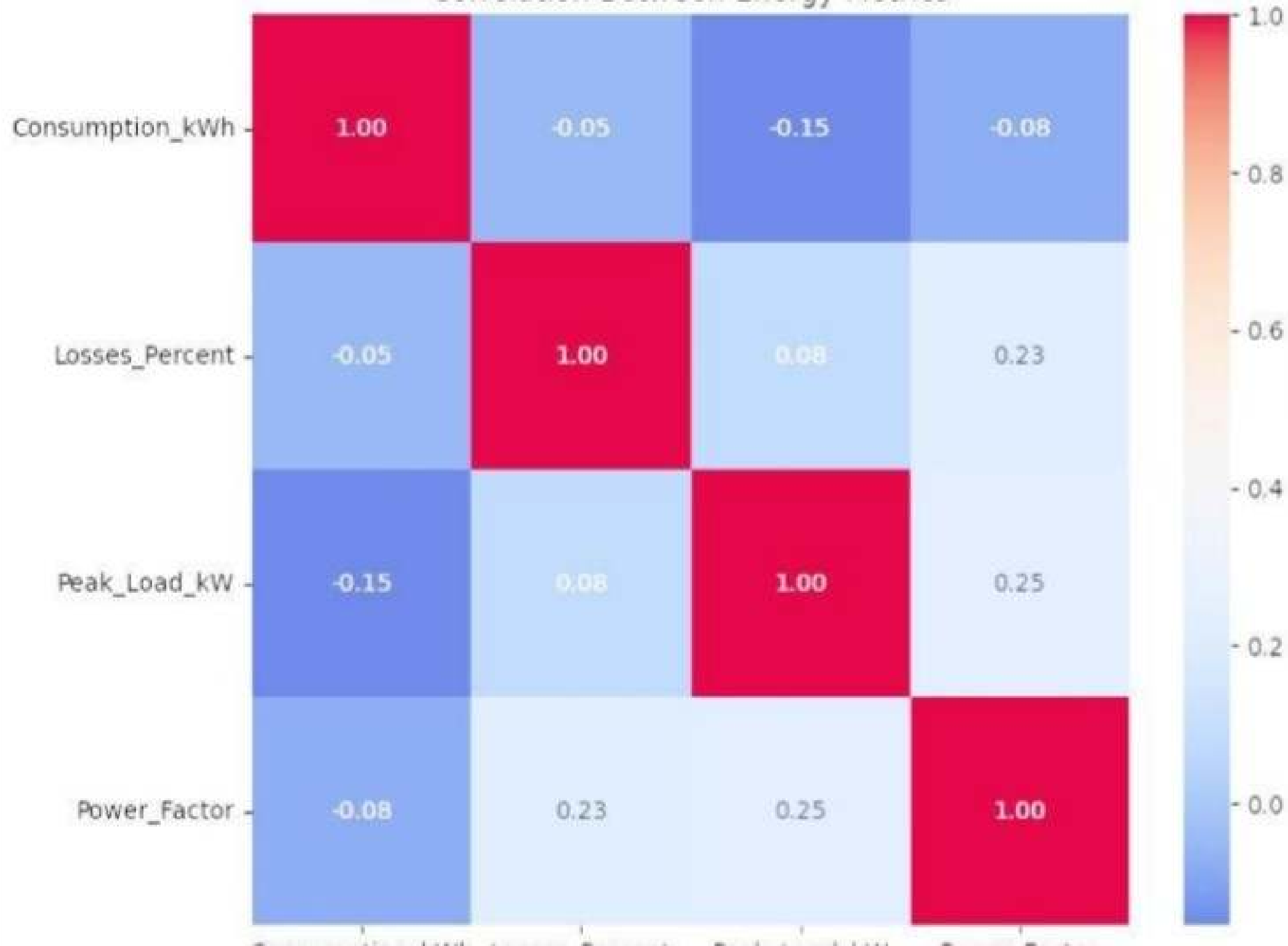
 [Sensor] Time: 2025-02-01 01:40:33.345743 | Usage: 920.00 W

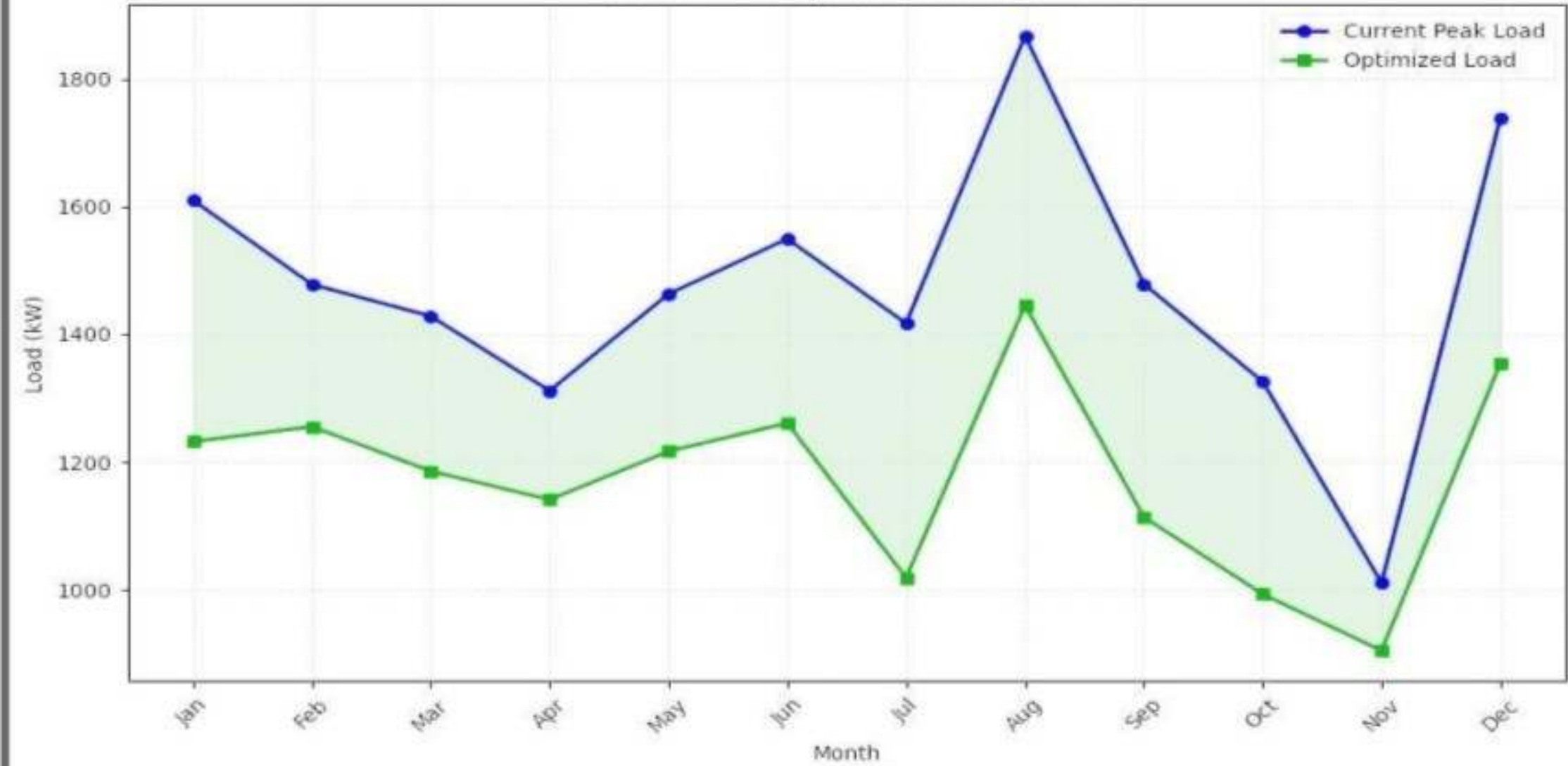
[Analytics] Hourly Average Power Usage:
Hour 04: 530.03 W

[AI Recommendation] Expected usage at hour 4: 530.03 W

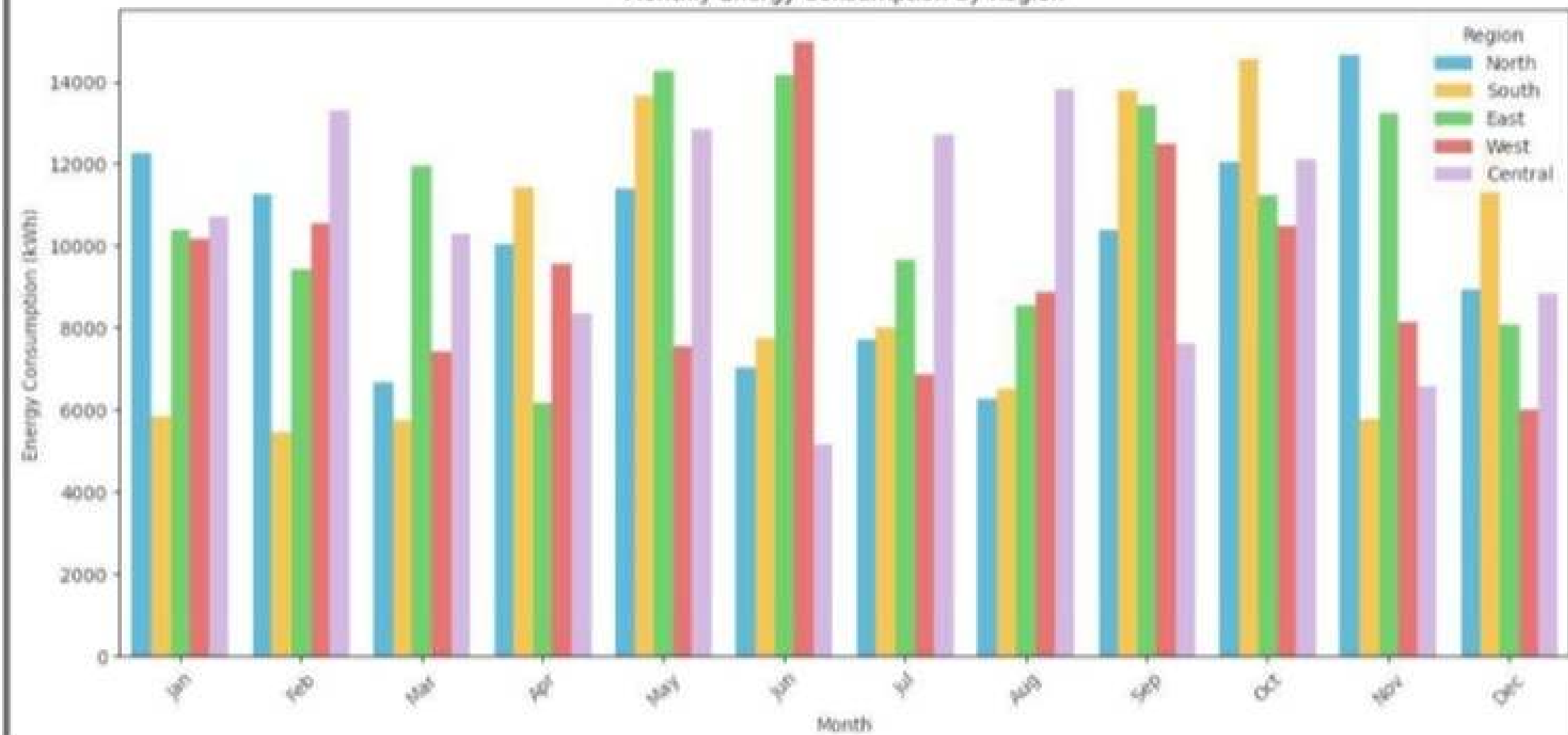
Correlation Between Energy Metrics



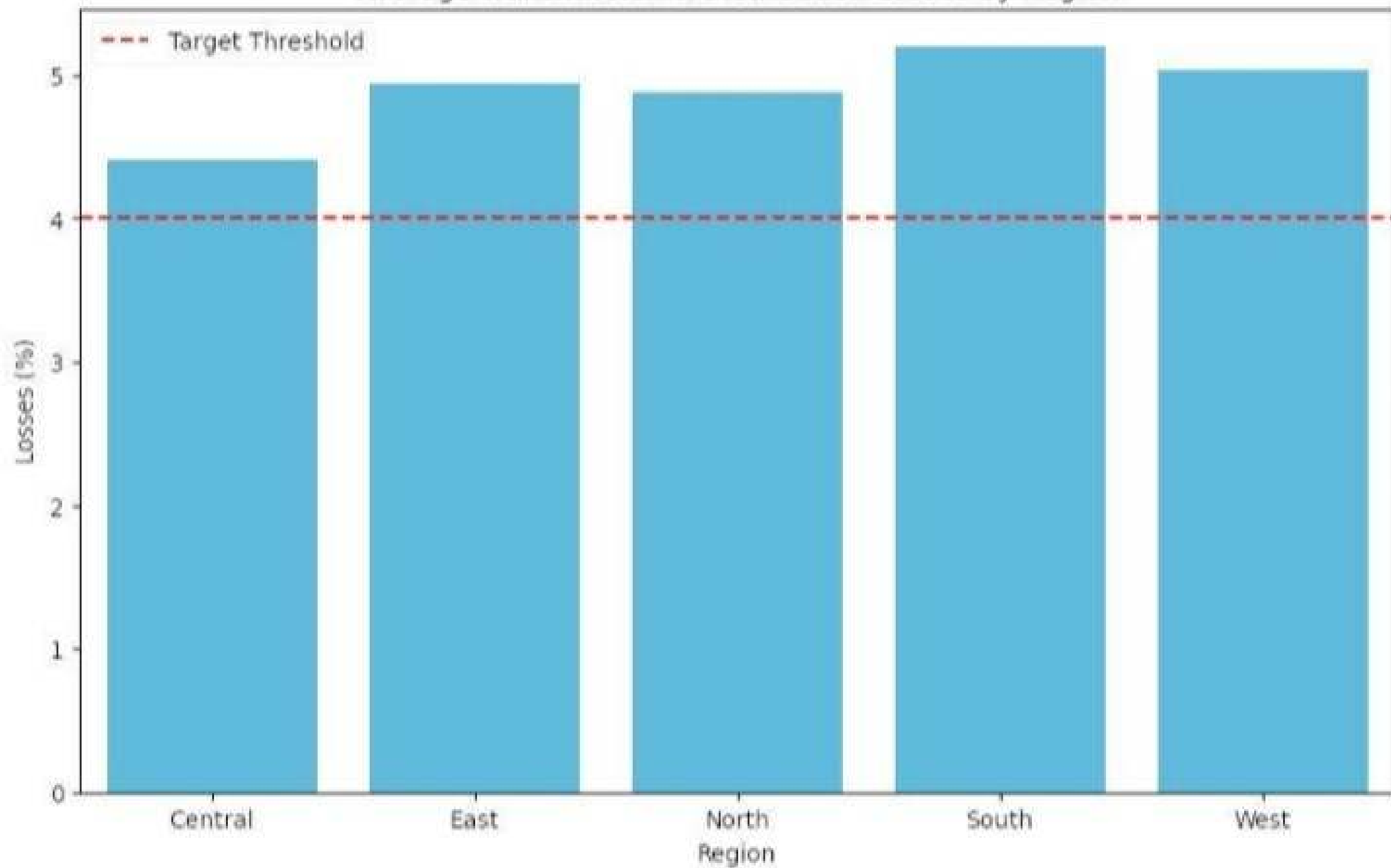
Peak Load vs Optimized Load Profile



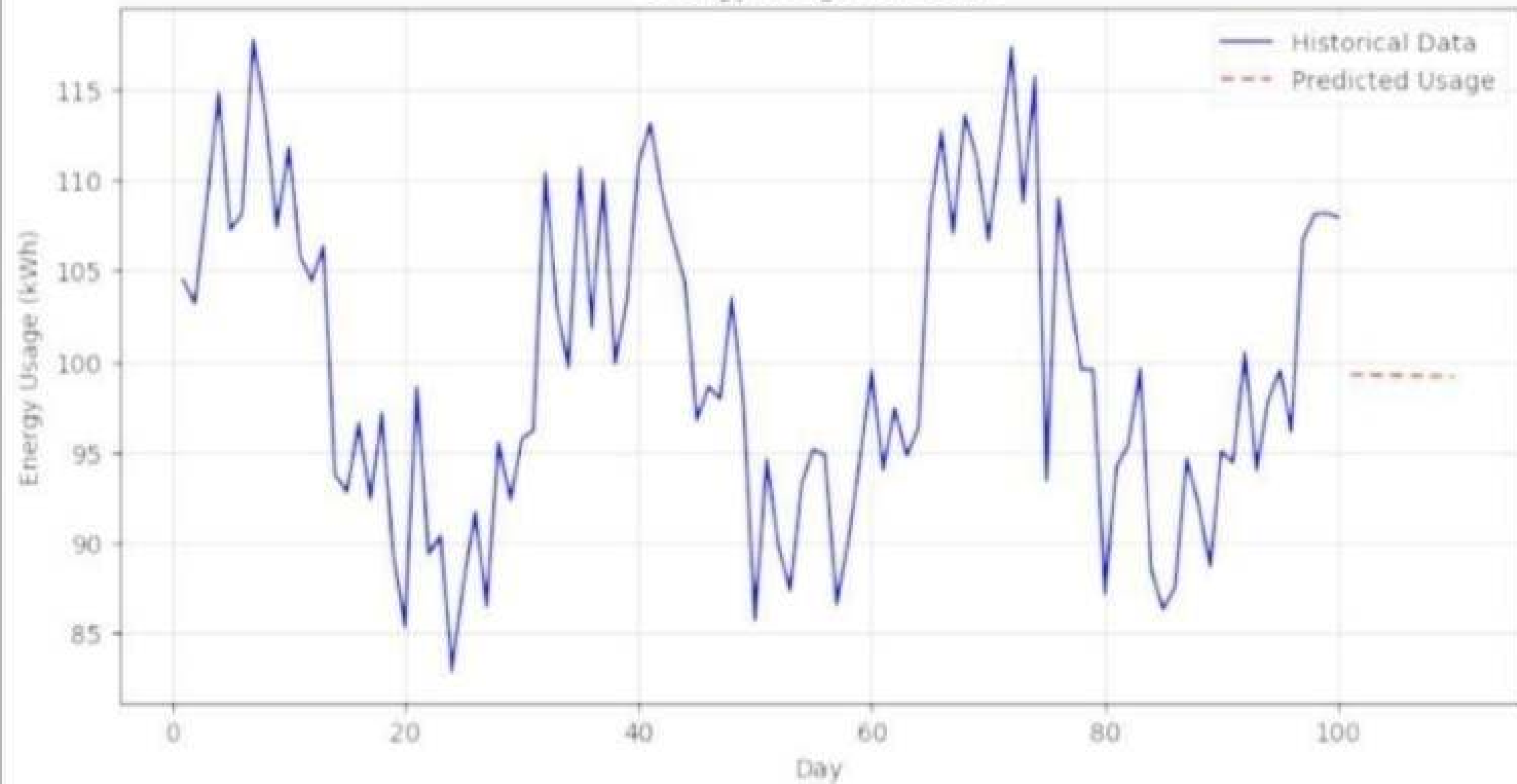
Monthly Energy Consumption by Region



Average Transmission & Distribution Losses by Region



Energy Usage Forecast



IoT Energy Usage Data (100 Days)

