

Energy Audit Report

Report Date:	2024-12-10 03:15:48
Report ID:	EAT-20241210031548
Analysis Type:	comprehensive
Version:	1.0

Executive Summary

Metric	Value
Total Energy Consumption	496.80 kWh
Overall Efficiency Score	91.6
Potential Annual Savings	\$2,354.69

Key Findings

- Energy: Overall energy efficiency is 99.4%
- HVAC: System efficiency gap is -5.0%

Detailed Analysis

Energy Analysis

Metric	Value
Base Consumption	500.00 kWh
Real Consumption	496.80 kWh
Overall Efficiency	99.4%

HVAC Analysis

Metric	Value
Energy Consumption	0.00 kWh
Current Efficiency	100.0%
Target Efficiency	95.0%

Lighting Analysis

Metric	Value
Total Consumption	4,000.00 kWh
Average Efficiency	80.0 lm/W

Humidity Analysis

Metric	Value
Current Humidity	65.0%
Target Humidity	45.0%

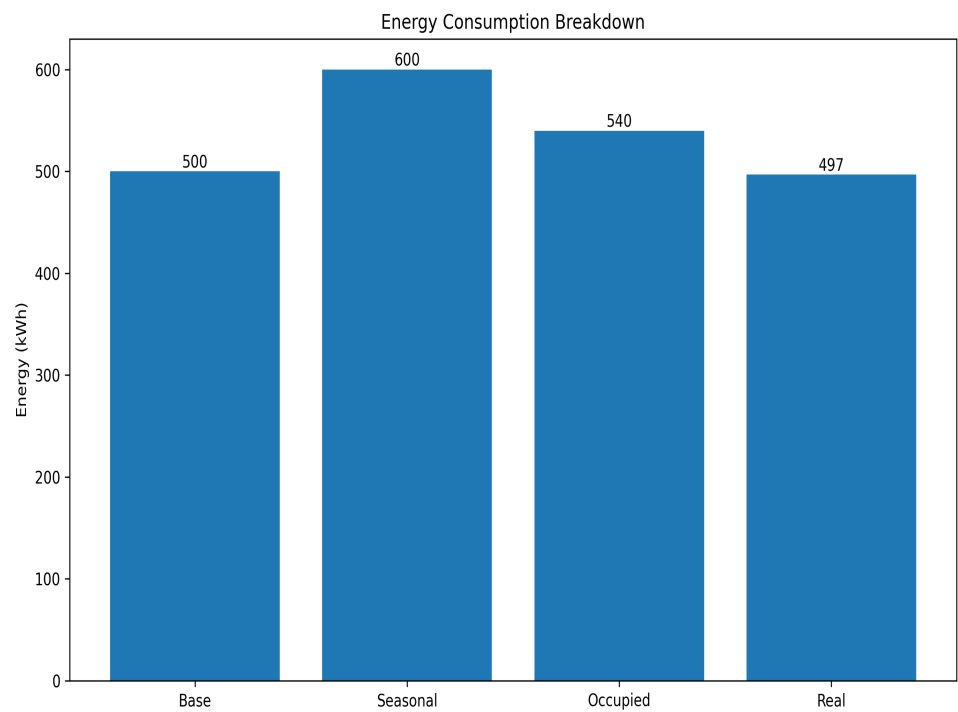
Recommendations

Short-term Actions

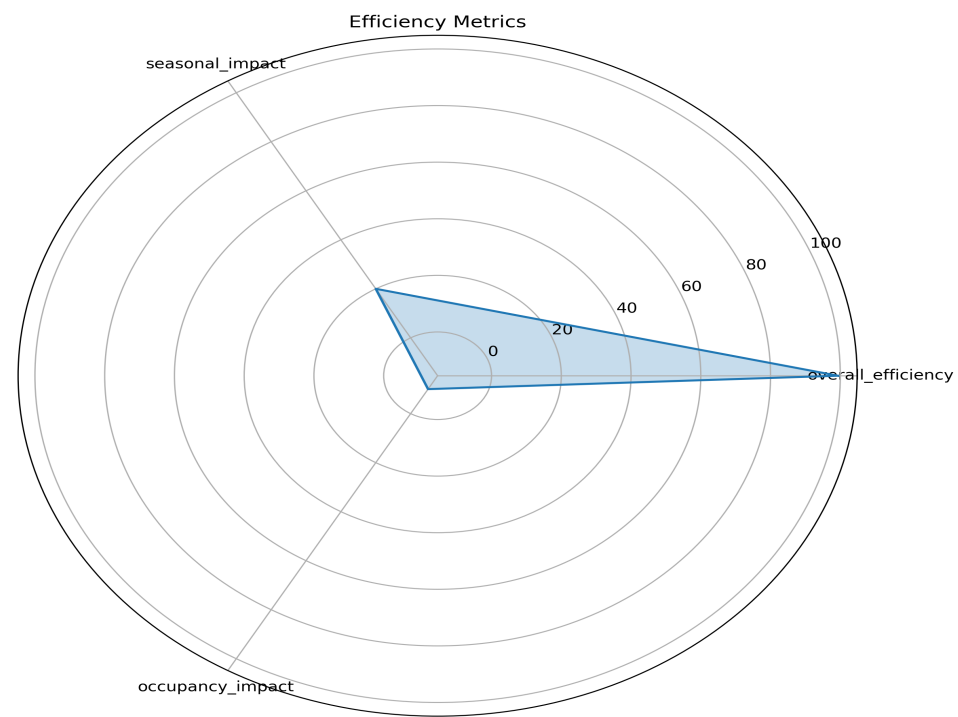
- Install Dehumidification System: Install dehumidification system with 280.0 pints/day capacity

Analysis Visualizations

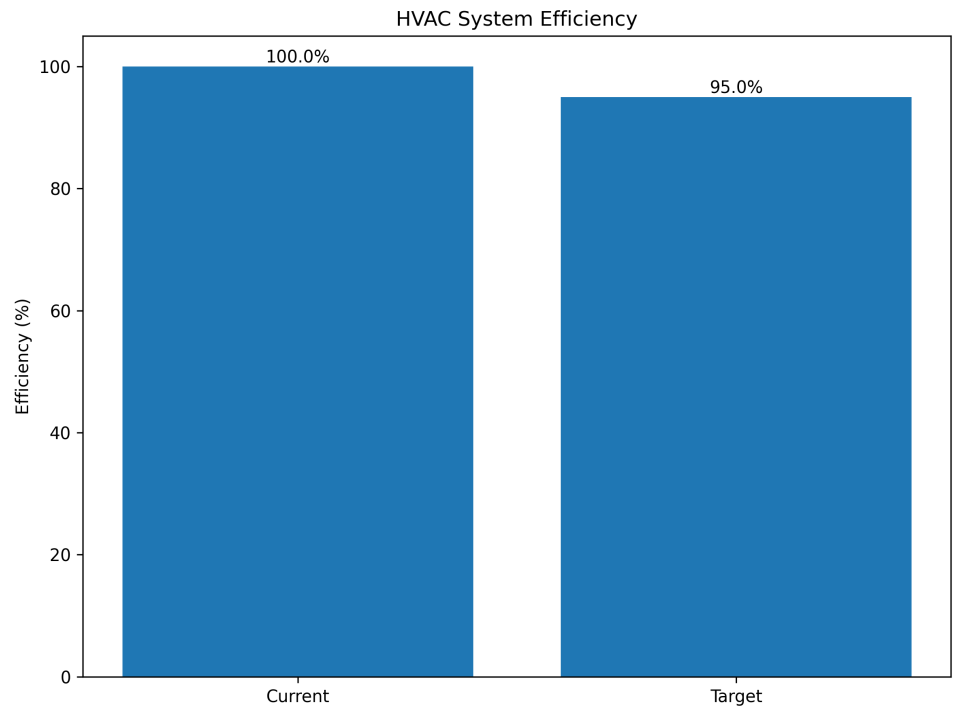
Energy Consumption



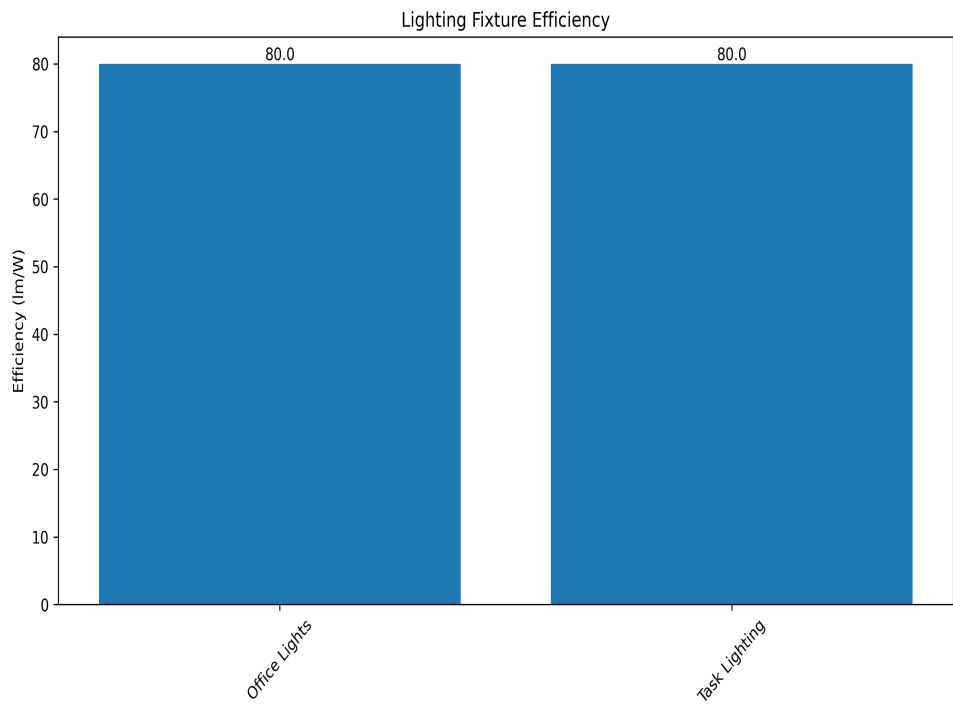
Efficiency Metrics



Hvac Performance



Lighting Efficiency



Humidity Analysis

