Historical Consumption Data Analysis Report

1. Executive Summary

This report provides an analysis of historical consumption data from January 2021 to December 2023. The objective is to identify trends, seasonal variations, and potential areas for optimization in resource usage.

2. Data Overview

Year	Total Consumption (kWh)	Avg. Monthly Consumption (kWh)	% Change from Previous Year
2021	120,400	10,033	â€"
2022	126,700	10,558	+5.2%
2023	133,200	11,100	+5.1%

3. Monthly Consumption Trend

Month	2021 (kWh)	2022 (kWh)	2023 (kWh)
Jan	9,800	10,200	10,500
Feb	9,600	10,000	10,400
Mar	9,900	10,300	10,700
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Dec	10,200	10,600	11,000

4. Key Findings

- Annual consumption shows a consistent increase of about 5% year-on-year.
- Peak usage observed during winter months, indicating heating loads.
- Monthly variations correlate with seasonal changes and operational schedules.
- Opportunities exist to improve efficiency during peak periods.

5. Recommendations

- Implement energy-saving measures during high-use months.
- Regularly monitor and analyze consumption patterns to identify anomalies.
- Promote awareness about resource conservation among stakeholders.

Important Notes

- Historical data accuracy is crucial for reliable analysis.
- External factors (e.g., weather, occupancy) may influence consumption trends.
- Data should be reviewed periodically to maintain relevance of findings.
- This report serves as a basis for future planning and optimization activities.