

Appendix D: Description of Dashboard Widgets

This appendix describes the key widgets and data elements displayed on the **Performance Dashboard** following the execution of the energy efficiency analysis (Step 4 of the Main Stream).

1. Key Performance Indicator (KPI) Widgets

Widgets displaying critical numerical metrics.

Widget	Description	Data Type / Format	Purpose
Energy Use Intensity (EUI)	The current value of energy consumption per unit area for the reporting period.	Numerical ($\text{\$}\frac{\text{kWh}}{\text{m}^2}\text{\$}$)	The primary efficiency indicator, used for comparison against national/industry standards.
PUE (Power Usage Effectiveness)	The current indicator of energy efficiency for the Data Center (if applicable).	Numerical (Ratio)	Assessment of energy loss in the infrastructure.
WUE (Water Use Efficiency)	The indicator of water usage efficiency by the building (e.g., Data Center).	Numerical (Ratio)	Key sustainability metric related to water balance.
Ecological Balance Score (EBS)	An integrated metric of overall ecological impact, aggregating $\text{\$}\text{CO}_2\text{\$}$, water, and waste.	Numerical (0 to 100)	A holistic sustainability assessment of the facility.

2. Performance and Deviation Widgets

Widgets showing how well the facility meets established targets.

Widget	Description	Data Type / Format	Purpose
Deviation from Baseline (EUI Deviation)	Percentage deviation of the current EUI from the established baseline.	Percentage (%)	Immediately identifies facilities with inefficient energy use. Red color is used if deviation exceeds $\mathbf{+10\%}$.
Energy Consumption Trend (Trend)	A line graph showing energy consumption over the last 12 months.	Graph (Line)	Helps identify seasonal peaks and long-term trends in efficiency.
Goal Progress	A circular chart showing progress towards the annual goal for emission/consumption reduction.	Progress (Ring)	Visualization of the execution of strategic sustainability goals.

3. Informational Widgets

Widgets providing context and references.

Widget	Description	Data Type / Format	Purpose
Data Validation Status	An indicator of the success of the last data integrity check.	Status (OK/Action Required)	Confirms the reliability of the presented metrics.
Savings Recommendations	A brief list of automated	Text/List	Provides immediate, data-driven

	suggestions for improving efficiency.		suggestions for intervention.
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