Milestones of the Energy-saving Program at the Casio Hachioji R&D Center

Benchmarks	Investigated the energy consumption of the existing building, and used the data as benchmarks in the design of the new building
Energy-saving target	Set an energy-saving target of 20% reduction from the benchmarks
Energy saving measures	Formulated energy-saving measures to achieve 20% reduction 1. Stable electrical consumption using thermal storage tanks 2. Natural ventilation system 3. Air conditioning control based on weather forecast data, etc.
Forecasting energy-saving performance	Carried out simulations of operations using the proposed energy-saving measures, verified discrepancies with energy-saving target, and secured a plan capable of delivering a 20% reduction
Verifying actual energy-saving performance	Energy-saving rate under actual operating conditions verified, then further operational energy-sving measures carried out, resulting in: - 33% energy savings in CO_2 equivalent - 38% reduction in electrical usage