

Energy Policy and Achievements

CATEGORY	KEY ACTIVITIES	ACHIEVEMENTS
POLICIES & STANDARDS	Revise Design Standards Manuals to increase energy efficiency and system flexibility	<ul style="list-style-type: none"><li>Established Design Standards of Building Services Systems for new buildings and renovation projects.</li><li>Revised the Design Standards Manual to cover building digitalisations.</li><li>Trial run of free air cooling in Wintertime.</li></ul>
	Establish Data Analytics Driven Maintenance to enhance operation and maintenance efficiency	<ul style="list-style-type: none"><li>Deployed IoT devices and upgraded BMS systems for data collections.</li><li>The application of Key Performance Indices (KPI) to enable data-driven analytic maintenances.</li><li>Customised dashboards were developed to enable engineers for real-time monitoring and energy analysis.</li></ul>
ENHANCE ENERGY EFFICIENCY	Apply adaptive control and temperature reset for fresh air demand control	<ul style="list-style-type: none"><li>Ventilation control based on Indoor Air Quality (IAQ) Sensors.</li><li>Adaptive control for indoor air temperature based on outdoor air conditions.</li></ul>
	Pursue ongoing enhancements in lighting, and air conditioning system upgrades	<ul style="list-style-type: none"><li>Upgrading of existing lighting systems to LED.</li><li>Upgrading of fan motors to high efficient EC fans.</li><li>Replacement of aged chillers to high efficient chillers in Green Zone.</li></ul>