A concept shop designed for eco-friendly practices and disaster relief

Tully’s new Ekoda shop is designed with the most advanced eco-friendly features within the entire Tully’s Coffee Japan chain. These include PV modules (5.6 kW) on the rooftop to cover 10-20% of electric power usage. Linked with a lithium-ion battery system (3.2 kWh), the PV system can shift peak power demand to off-peak hours and is ready to accommodate emergency blackouts.

LED fixtures are used for the entire lighting system, and eco-friendly equipment is installed, such as a highly efficient air conditioning system and an “EcoCut” thin heat pump water heater. A multi-circuit energy monitor measures minute-to-minute power consumption by every device, including lighting, air conditioning, and equipment used within the kitchen. The measured data is used for analyzing usage conditions for further improvements. Located near a train station, Tully’s Coffee Ekoda Shop was also designed to function as a disaster relief facility. In a blackout, the storage battery system supplies power for lighting and digital signage for up to seven hours. This system provides the latest news and information for people who cannot return home after a disaster.