



Winner: **Hitachi Global Storage Technologies**
Award Category: **Large Business**
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Why Hitachi Global Storage Technologies was chosen for this Award

Hitachi Global Storage Technologies, Inc. (Hitachi GST), with its U.S. headquarters in south San Jose, develops advanced hard disk drives, enterprise-class solid state drives and innovative external storage solutions and services used to store, preserve and manage the world's most valued data. At its 158-acre development and manufacturing campus, the company is committed to conserving resources and creating an environmentally sustainable infrastructure that reduces the environmental burden of its products.

Hitachi GST treats and reuses approximately 60% of the wastewater generated from its manufacturing rinse operations. This treated effluent is reused as evaporative make-up water at the site's cooling towers, and amounts to a savings of approximately 70 million gallons of water per year.

A new facilities project is reducing the water used to produce deionized water for manufacturing processes. The initial step involves treating groundwater through multiple First Pass Reverse Osmosis (RO) units. This process recovers the RO reject and treats it with a new Second Pass RO train. About half of the treated RO reject can be recovered and used as an RO product—realizing an estimated savings of 37 million gallons of water each year.

Hitachi GST has significantly reduced water use by changing irrigation practices. This has included the past usage of evapotranspiration controllers with weather sensors, and, more recently, the elimination of irrigation for its plum and walnut orchards on its San Jose campus. Despite the irrigation halt, the plum orchards still produced more than 2,000 pounds of plums in 2010. Employees harvested these and donated them to the Sacred Heart Community Services organization that each day provides food to more than 400 needy families in the local community.