## HOLIDAY HEADQUARTERS!

Head to the Club Store today!

> – SEE NEXT PAGE



The first-ever Club Cruise through the Mediterranean was a success! After Club Members had already boarded the *Nieuw Amsterdam*, Club staffers and their families posed before setting sail Oct. 3 in Barcelona. Pictured here are (top row, from left) Noah Hawkins, son of John Hawkins, Club CEO, and Daniel Wang, guest of Arlene Herrero, Club Products Manager. Middle row: Kelley Hawkins, wife of John Hawkins; Isaiah Hawkins, son of John Hawkins; Arlene Herrero, Club Products Manager, and her mom, Josephine. Bottom: Hannah Hawkins and her dad, John Hawkins, Club CEO.



## NEWSBRIEF MODERNIZING HAYNES:

The DWP, joined by representatives of the South Coast Air Quality Management District and the cities of Long Beach and Seal Beach, recently broke ground on repowering the Haynes Generating Station in Long Beach, marking the start of a long-term effort to completely eliminate ocean water for cooling its coastal power plants. The project is also an important milestone in the DWP's continued efforts to improve air quality at its in-basin power plants through a series of repowering projects since the early 2000s.

The Haynes Generating Station Repowering Project will replace two aging power- generating units that now use ocean water cooling with six 100 megawatt fast start natural gas combustion turbines. These turbines provide "peaking" capability to meet the City of Los Angeles' energy needs and better enable tracking the variation in power supply provided from wind and solar energy generation – a growing part of the DWP's power supply. The turbines will also use "dry cooling," completely eliminating the use of ocean water for these units.

The Haynes Repowering Project is the first of a series of repowering projects designed to eliminate the use of ocean water cooling-a process known as "Once-Through Cooling" at three coastal power plants. "At the DWP, we are absolutely committed to eliminating the use of ocean water to cool our coastal power plants," said DWP General Manager Ronald O. Nichols." The challenge lies in how we stage and rebuild a critical part of our power supply, while at the same time ensuring we have enough power to reliably meet our customers' needs.' By replacing the two aging generating units-Haynes Units 5 and 6-with six advanced technology gas turbines, the project also serves the dual function of increasing the plant's reliability and supporting current and future generation of renewable energy. "The new units are akin to jet engines that can ramp up to full power in just 10 minutes, as compared to the existing units, which require about a day and a half to reach full capacity," Nichols said. "That speed in ramping up and down will help us meet another very important objective integrating more renewable energy into our electric grid," he continued. "When the wind is blowing strong and delivering power to LA, we need speed and flexibility to adjust to that power source. These new generating plants are part of an intricate balancing act to maintain a steady flow of power to our customers." Havnes Generating Station is a natural gas and steam power plant located in Long Beach and built in the mid-1960s. The station currently has seven power generating units with a combined capacity of 1,600 megawatts, enough to power approximately 1 million homes. In 2005, the DWP repowered Units 3 and 4, utilizing advanced combined cycle technology, which significantly increased fuel efficiency of the plant.



