

# GENERAC®

## INDUSTRIAL POWER

SEAWORLD

San Diego, California

## CASE STUDY

### CHALLENGE:

Add generator systems that help support critical safety systems that meet EPA requirements, but don't deter from the park experience.

### SOLUTION:

25 kW Diesel  
150 kW Diesel  
80 kW Diesel

### RESULT:

A reliable source of emergency backup power that offers peace of mind ensuring all guests are safe while visiting the park.



## Entertainment Park Obtains Backup Power to Support Critical Safety Systems

SeaWorld San Diego and Yale Chase Power Systems have had a working relationship for the last several years. The park first called upon Yale Chase when they wanted to support their phone systems upgrades. Yale Chase recommended a 25 kW diesel generator to make sure the phones had power no matter what ensuring those in the park were still able to call 911 or emergency services if need be.

In 2018, SeaWorld San Diego opened a new attraction, Ocean Explorer. Ocean Explorer takes visitors across the seven seas. Some of the main rides in the attraction include mini submarines that turn visitors into researchers on a mission to collect data and learn how they can help animals. Other rides include a series of undersea research bases and a number of cephalopod themed rides. A generator was a critical part in the design of this attraction. Safety codes require theme parks to have some sort of backup power system to run safety equipment in the event of an outage. The generators help power floodlights, the PA system, communication lines and fire equipment allowing for the safe evacuation of guests and for emergency personnel to get around the park. SeaWorld specifically needed a generator to help support Ocean Explorer's motor controls, visual controls and emergency egress lighting. With this in mind, Yale Chase

recommended a Generac 150 kW diesel engine generator.

Pleased with the previous work achieved by Yale Chase, SeaWorld called upon them again for its third supported system. Adding to their customers' experience, a new roller coaster opened in May 2019. The Tidal Twister offers guests a unique, horizontal dueling coaster experience where at 30 miles per hour (51km/h), riders twist and bank as they navigate the track. With anticipation of the roller coasters run time and the importance of safety for all SeaWorld's attractions, additional standby power was needed.

The generator is critical for supporting the infrastructure of this roller coaster, as it supplies backup emergency power to critical systems that would allow the ride to safely dock its passengers during any loss of utility power or emergency. The project's final design was based around a Generac 80 kW diesel engine generator. Yale Chase Power Systems supplied, tested and continues to work with the end user for servicing the system.

SeaWorld Tidal Twister roller coaster now has a reliable source of emergency backup power should any emergency with loss of power occur. Yale Chase Power Systems continues

## CASE STUDY Entertainment Park Obtains Backup Power to Support Critical Safety Systems



**APPLICATION:**  
Entertainment

**MODELS:**  
25 kW Diesel  
150 kW Diesel  
80 kW Diesel

to service their entire power backup systems, tracking and logging maintenance as it is crucial to supporting the safety of riders visiting the park every day.

In all three projects, SeaWorld specified a diesel generator. Diesel-fueled generators are specified because they deliver results when and where they are needed. The all-power diesel engines Generac provides are easy to maintain, tolerate dirty fuel and provide incredible endurance in the harshest environments. Diesel generators also provide the response and longevity required for many applications. Generac's gen-sets are EPA-compliant and meet the needs and requirements of San Diego's air quality management plan. With the help of Yale Chase Power Systems, SeaWorld's generators get the preventative maintenance and service they require yearly to make sure the units stay reliable and are operational when the park needs them.



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