

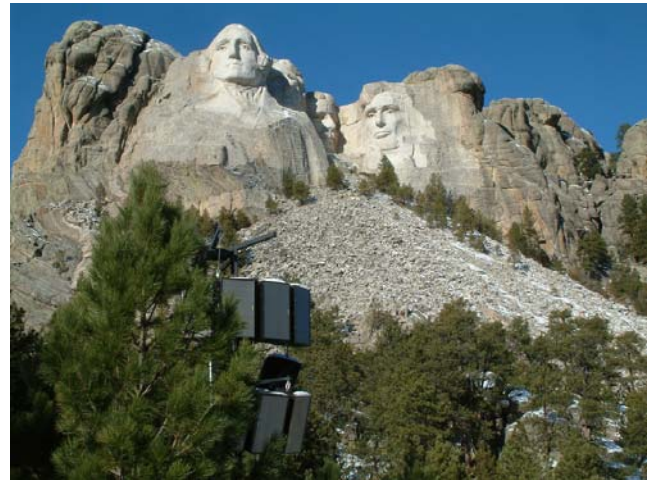
MOUNT RUSHMORE

UPGRADED SOUND FOR A TREASURED NATIONAL MONUMENT A COMMUNITY CASE STUDY - JUNE, 2010

ABOUT MOUNT RUSHMORE

The Mount Rushmore National Memorial welcomes nearly three million visitors each year. One of America's most famous landmarks, it is located among the majestic Black Hills of South Dakota. Mount Rushmore features 60-foot high sculptures of George Washington, Thomas Jefferson, Abraham Lincoln, and Theodore Roosevelt. It took 14 years and 400 workers to complete these remarkable carvings in 1941.

The park includes an amphitheater, museum, information center, gift shop, and restaurants. The amphitheater, one of the largest in the U.S. National Park Service, holds as many as 2,300 people. A dramatic lighting ceremony takes place there every night during the summer. It also hosts special events, presentations, and live music.



THE SOUND SYSTEM

Mount Rushmore wanted to upgrade and expand its previous sound system. The project required creating two new systems. One now covers the amphitheater. The other system, used mainly for announcements, provides sound in four zones: the Grand View Terrace, restaurant patio, visitors' area, and upper parking garages.

The size of Mount Rushmore's amphitheater presented the greatest challenge for the installation team. "The stage is very wide as are the rows from front to back. We needed to cover the front rows,



yet keep the sound pressure off the stage," said Steve Foudray, system designer for Haggerty's Audio Visual in Rapid City, South Dakota.

The installation team also needed loudspeakers that could withstand extreme weather. Mount Rushmore receives extensive snowfall and temperatures can dip below zero Fahrenheit in the winter, while July and August have days with highs in the 90s.

"The number one factor at Mount Rushmore was their big impressive in-your-face vocal projection, while maintaining smooth musicality," said Foudray. Many options were considered, but the team chose the WET Series from Community Professional Loudspeakers.



SOUND SYSTEM (CONTINUED)

The amphitheater's new system has 20 Community WET315 cabinets on two main towers and two delay towers. According to Foudray, the M200 midrange driver in this cabinet has very impressive voice projection. Other benefits include the WET315's full-range capability, weather-resistance, and 15-year structural warranty.

"The amphitheatre had speaker towers from the previous installation that were usable," said Foudray. "We had obtained blueprints and modeled the system with EASE. Community supplies EASE data for all their loudspeakers with high enough resolution to accurately design clusters for coverage and minimize interaction."

The second system has 21 Community R.5 loudspeakers. Weather-resistance also played a role in selecting the durable R-Series. Both systems get powered by Crown Macro-tech amplification and use Rane DSP. Foudray said they plan to add the EV NetMax with AMX control.

When asked about the reaction to the new sound systems, which were installed in spring 2007, Foudray said "All comments have been positive. We have only once made minor tuning changes."



EQUIPMENT HIGHLIGHTS

- 20 Community WET315 loudspeakers
- 21 Community R.5 loudspeakers
- Crown Macro-tech amplification

THE LOUSPEAKERS

Community's WET Series has long been known for delivering exceptional speech and music performance under the most extreme weather conditions. The latest upgrade to WET Series II was introduced in 2007 with a number of significant improvements.



WET Series II
W2-315

There is a Community R-Series for every installation. Highly weather-resistant for outdoor applications, but very appropriate for indoor use as well, the R-Series offers exceptional voice clarity and sound projection capability.



R-Series
R.5

Community's **All-Weather/All-Purpose Product Catalog** featuring WET and R-Series and comprehensive **R-Series Application Guide** profiling indoor and outdoor R-Series installations can be downloaded from our website at www.communitypro.com.

Community has been a leading supplier of professional loudspeaker systems since 1968. Headquartered in Chester, Pennsylvania, Community distributes its products to over fifty countries on six continents.