

# City of Seattle Emergency Operations Center Fire Alarm Center & Fire Station #10

Seattle, Washington

## Project Description

The City of Seattle recently completed the construction of the new 601,333 sq ft fire station #10 complex which also houses a Fire Alarm Center and a new Emergency Operations Center.

The building is constructed to essential facility standards - a 1.5 seismic safety factor - capable of withstanding an earthquake load 50 percent higher than most buildings. These design specifications affect most components of the building, from the use of concrete and steel to the window system and equipment specifications. To ensure the building remains operable after an earthquake, all critical building systems are designed to accommodate movement.

The building was completed in January 2008

## ACSI's Responsibilities

ACSI worked with the city architect, Weinstein A/U and their consulting architect, RossDrulisCusenbery (RDC), to provide conceptualization and planning services relating to the audio-video information management and display systems, the fire alerting system and various intercom systems. As a part of its services, ACSI investigated the City's needs, identified potential technologies that apply, developed three alternative schemes with their tradeoffs and costs, and worked with the City to establish a technical direction and budget of about \$1.5M for the systems.



On the eve of the seventh anniversary of the Nisqually earthquake, Mayor Greg Nickels opened Seattle's new state-of-the-art Emergency Operations Center (EOC), a high-tech nerve center that will coordinate the city's response to disasters and other major events.  
[http://media.komnews.com/images/080227\\_Seattle\\_Emergency\\_system.jpg](http://media.komnews.com/images/080227_Seattle_Emergency_system.jpg)



Photo credit: [www.seattle.gov](http://www.seattle.gov)



**Fire Station #10** A 6-bay fire station, operates 24/7. The new facility provides decontamination facilities, modern living quarters for the crew and disaster supply storage. The Seattle Fire Department's Resource Management Center is located on the premises.

**Fire Alarm Center** The center is staffed 24/7 and the facility includes a 911 fire/medic dispatch area, sleep rooms and staff support rooms, training room, administrative offices, server/radio communication equipment rooms, and a police 911 back-up facility.

**Emergency Operations Center** The EOC includes 16,700 sq ft operations area and is the city's command center for coordinated leadership and direction. During an activation, the EOC can accommodate more than 150 emergency responders. The facility includes an operations area and 24-hour duty room; director and staff offices; library; conference and classroom; an interagency coordination room; an executive policy isolation room; a radio communications center; media briefing room; and media production facility. The facility is equipped with state-of-the-art systems including internet, satellite phones, video-conferencing, 800 MHz and short wave/amateur radio, 130 work stations, 27 LCD flat screens and two 7' x 9' projection screens. During a declared emergency, the EOC serves as the seat of Seattle City government.