Emergency Operations Center
A Necessity for Every Community College

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Introduction

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Introduction

AGENDA

- Overview
  - What is an EOC?

- An EOC at San Jose City College
  - Genesis of a Project
  - From the Eyes of College Administration

- Design of the EOC
  - Site & Program

- EOC Functionality
  - Requirements & Amenities
  - From the Eyes of Police
  - Roles & Responsibilities

- Questions
Overview

WHAT IS AN EOC?

AVOID THIS...

**EOC**
(Emergency Operations Center)

An unfamiliar place
where uncomfortable officials
gather to make unpopular decisions
based on incomplete information
allocating inadequate resources
for unanticipated requirements
in too little time.
Emergency Operations Center (EOC) – Also known as
- Incident Command Center
- Command Center
- Command Post
- War Room

- A central intelligence arena for decision makers and response team personnel to
  - Gather critical information
  - Coordinate response activities
  - Manage personnel as the emergency situation dictates.
- A safe location equipped with effective technology, allowing for communication with staff and response teams
Overview

WHAT IS AN EOC?

An Essential Services Building –
Building Designed for Public Agency used as

- Fire Station
- Police Station
- Sheriff's Office
- California Highway Patrol
- Emergency Operations Center
- Emergency Communications Dispatch Center
An EOC at San Jose City College

GENESIS OF A PROJECT

Current San Jose City College EOC
An EOC at San Jose City College

GENESIS OF A PROJECT

Driving Factors

- Safety and Security
- Measure X Funded
- Advancement of Technology
- Current Location Challenges
Current Location Challenges

- Size not suited for a significant emergency
- Limited building systems support
- Centralized location, but vulnerable access
- One point of entry
- Building at the end of useful life
College Administration View Point

- Safety and Security
- Effective & Versatile Design
- Perfect Site Location
- Aligned with FMP
- Site Access
- Supporting Utilities Infrastructure
- Modern Building Systems
DESIGN OF THE EOC

Future San Jose City College EOC
Design of the EOC

SITE
Design of the EOC

SITE
Design of the EOC

SITE
Design of the EOC

PROGRAM

Overview

- **Site:** 56,000 Sq. Ft.
- **Total Building Area:** 18,300 Sq. Ft.
  - Maintenance & Operations
  - Emergency Operations Center
  - Generator & Backup Battery
- **Service Yard:** 29,050 Sq. Ft.
  - Covered Equipment Storage
  - Maintenance Vehicle Parking
  - Vehicle Wash Down
- **Staff Patio:** 2,580 Sq. Ft.
Design of the EOC

PROGRAM

Maintenance & Operations

- Flexible workspace 2350 sq. ft.
- Collaboration/Office 260 sq. ft.
- Breakroom 260 sq. ft.
- Lock shop 350 sq. ft.
- Carpenter Shop 1860 sq. ft.
- Warehouse/Storage 3300 sq. ft.
- Restrooms, Shower, & Lockers
Design of the EOC

PROGRAM

Emergency Operations Center

- Incident Command Center  2360 sq. ft.
- Offices              250 sq. ft.
- Conference Room      280 sq. ft.
- Document Storage     530 sq. ft.
- Restrooms/Showers...
EOC Functionality

REQUIREMENTS

Essential Services Building –
California Health and Safety Code, Section 16000-160 16
16001. Essential Services Buildings ...shall be capable of providing essential services to the public after a disaster, shall be designed and constructed to minimize fire hazards and to resist, insofar as practical, the forces generated by earthquakes, gravity, and winds.

Includes:
- Non Structural Components
- Communications
- Electrical Systems
- Back up Systems
...insofar as practical, continued operation of the building after a disaster

DSA review required as an Essential Services Building
CBC, Ch 16, Risk Factor IV
EOC Functionality

AMENITIES

EOC Highlights

- Redundant emergency electrical systems
  - Diesel generator
  - 8 hours solar powered battery backup
- Telephone/data systems including VoIP and analog systems
- Distributed antenna system for radio communications
- Control room monitoring LED display system
- Dedicated storage for emergency operations equipment; i.e. radios, batteries, laptops, gear, etc.

- Incident command offices and conference room
- Extensive writeable wall surfaces
- Lockers for EOC personnel
- North facing window wall for natural lighting
- Exterior decompression space
- EOC can be converted to a multi-functional training space
- Separated from the core of campus for increased security
What makes an EOC function properly?

- **Flexibility**
  - Modular furniture that is easy to reconfigure
  - Sufficient space
- **Technology**
  - Sufficient power outlets
  - Video monitors
  - Computer equipment
  - Uninterrupted Power Supply
- **Supplies**
  - Radios and battery backups
  - Marker board & pin up boards
EOC Functionality

FROM THE EYES OF POLICE

Police Chief View Point

- Capable as serving as a central coordination point
- Support all emergency operations
- Information gathering and dissemination
- Coordination with local governments, outside contractors, mutual aid, and volunteer organizations
- Training with other like organizations
Organization is modeled after Incident Command System (ICS) – Five Major Functions of the ICS

- Command
- Operations
- Planning
- Logistics
- Finance/Administration
Why have an EOC on campus?

- Why can’t my police station serve as the EOC?
  - Police and EOC’s functions are related but separate.
  - Sensitivity of tactical content.
  - Adequacy of size to accommodate operations.

- Is it really necessary to have a dedicated space?
  - Centralization is the key to success
  - Minimize the risk of compromising the safety and security of the community.
The responsibilities in an EOC

- Pre-designated personnel
- Properly trained to staff the EOC

Note: Government Code Sections 3100-3101

- All employees of the District are declared civil defense workers during emergencies.
- Subject to defense activities as may be assigned to them.
- All employees must be trained and qualified in specified Federal Emergency Management Agency (FEMA) courses depending on employee’s emergency response responsibilities.
EOC Functionality

ROLES & RESPONSIBILITIES

The *representatives* in an EOC
- Executives of the college
- Local response agencies, contractors, volunteer agencies
- Other groups asked to support emergency response

The *roles* in an EOC
- Incident Commander
- Logistics
- Operations
- Planning
- Finance
- Safety Officer
- Public Information Officer