





OC FACILITIES MAINTENTANCE & CENTRAL UTILITY FACILITY ensures the efficient and innovative operation of County facilities through maintenance management services, after-hours emergency support, building automation and utility management. A major component is the Central Utility Facility (CUF), a combined heat and power facility that provides cooling, heating and/or electricity to 23 buildings within the Santa Ana Civic Center area.

CORE SERVICES:

- Utilities and Engineering Unit Ensures production of electricity for \$0.11 K/Wh.
- **Building & Automation Unit** Provides utility management for 215 facilities, totaling over 9 million square feet.
- Repair and Preventative Maintenance Oversees proper operation and repair of OCPW facilities and provides after-hours emergency services.
- **Consultation and Project Scoping** Consults for a broad spectrum of clients including other County departments and agencies located in buildings owned or leased by the County.

SERVICE AREA HIGHLIGHT:

The generator within the Central Utility Facility (CUF) is the only known governmental facility in California to use cogeneration to power governmental buildings, including a jail facility.

COUNTY ADMINISTRATION SOUTH - HEADQUARTERS



FUN FACT

In addition to custodial services, employs trade groups such as electrical, HVAC, elevator, plumbing, carpentry, locksmith and metalsmith.



SERVICE AREA GOAL

Collect data for County facilities and populate the County's Centralized Maintenance Management System, representing 75% of the system's full implementation by end of 2019.



KEY PERFORMANCE INDICATOR

Achieve 90% initial response on service requests within 72 hours.











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Cogeneration Explained:

Cogeneration is the simultaneous production of electricity and heat. Did you know that cogeneration is used for heating and cooling most government facilities in the Civic Center?

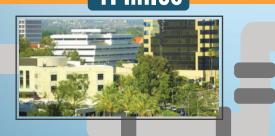
The turbines are filled with The CUF produces of steam per month, on average cubic feet of air per hour The CUF produces **FUEL** of chilled water per month **Heat Recovery** The CUF can cool up to **Steam Generator** 6,400,000 sq ft Combustion **Turbine** at the Civic Center Campus Reduced emissions by the CUF is equivalent to taking 2,500 Each turbine spins at 14,951 RPM! The CUF took a The generator can combined produce up to The CUF serves hours to build! of energy 16 Buildings with electricity **Electrical** Generator Roughly one 18 Buildings with steam lifetime.





Exhaust gases recovered from the 11119F electrical generator reach up to





3 miles of new piping

distributes steam and chilled water to heat and cool most government facilities in the Civic Center