



CORNELL PUMP COMPANY

# APPLICATIONS

## MUNICIPAL



## CALIFORNIA CAPACITY RECLAMATION RELIES ON CORNELL

### 30NNT-VF30 Pump Helps California City with Waste Water

A city in northern California wanted to install a new reclamation system to comply with state requirements. Building a new facility allowed them to consider numerous manufacturers rather than simply adding a pump to an existing system.

Cornell competed against three other well-known manufacturers. When the design engineer firm looked at performance, with the pump designed to flow at 24,300 GPM at 38 ft of TDH, the Cornell 30NNT-VF30 came out on top.

Paired with 30NNT-VF30 were a vertical Johnson Power line shafting, a De'Ran right angle gear drive, horizontal Johnson

Power line shafting, and a Cummins 360 HP diesel engine. Cornell also supplied a Murcal control system, Tramont double-walled fuel day tank, battery racks, batteries, chargers, and components for the stainless steel exhaust system.

The system was put through extensive review in Cornell's test lab, undergoing a rotor dynamic analysis of the entire drive train, anchor bolt, seismic design calculations, and field vibration tests.

All work went off without a hitch, and the system has operated successfully for over ten years.