

Download District Cooling System Design Guide

Heating, ventilating, and air-conditioning (HVAC systems) account for 39% of the energy used in commercial buildings in the United States. Consequently, almost any business or government agency has the potential to realize significant savings by improving its control of HVAC operations and improving the efficiency of the system it uses. Heating, ventilation, and air conditioning (HVAC) is the technology of indoor and vehicular environmental comfort. Its goal is to provide thermal comfort and acceptable indoor air quality. HVAC system design is a subdiscipline of mechanical engineering, based on the principles of thermodynamics, fluid mechanics and heat transfer. "Refrigeration" is sometimes added to the field's abbreviation, as ...Evaporative Cooling Design Guidelines Manual iv This report by NRG Engineering is funded by the New Mexico Energy Minerals and Natural Resources Department, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Design for Maintainability: The Importance of Operations and Maintenance Considerations During the Design Phase of Construction Projects. Resource Page – 08-01-2018. This resource page presents a methodology that links operations and maintenance goals to the design process, and how it can be applied to any organization.