

# ROCK VALLEY COLLEGE

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Application range

Schools and Universities

Type

Reference

The Karl Jacobs Center for Math & Science at Rock Valley College in Illinois was recognized with a 2012 Engineering Excellence Award. It is among the first science laboratory buildings in the state to incorporate geothermal and chilled beam technologies along with photovoltaics to achieve a truly high performance building design. The building houses 5 science labs, a greenhouse, 2 student resource labs, classrooms, a math lab and 59 faculty offices month other functional learning spaces.

The 106,000 square-foot high-performance building was designed with many energy saving measures including a chilled beam system, a 420 ton closed loop geothermal heating and cooling system, variable air volume air handling units, a high efficiency domestic water heating system, building-integrated photovoltaics and high efficiency lighting controls among others.

Rock Valley is among the first community colleges in Illinois to have two LEED® Gold projects on campus. The JCSM building is expected to achieve a 46% reduction in energy consumption, with an estimated \$165,000 energy cost savings and 55,000 gallons of water savings per year.

Engineer/Architect: KJWW Engineering Consultants

Awards: LEED® Gold Certifications; 2012 Engineering Excellence Awards Honor Award

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