

# *SRP PROJECT of the MONTH*

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## *MONTICELLO HIGH SCHOOL CHILLER REPLACEMENT*

Monticello High School, located in Charlottesville, Va., recently replaced their existing water cooled chiller. The original school design included an ice storage system that was abandoned a few years after installation when an air-cooled chiller was installed. Since that time the water and air-cooled chillers have operated in a redundant fashion to meet the loads of the building. When it came time to replace the water-cooled machine, a new magnetic bearing chiller was installed for a variety of reasons. They included: low integrated part load value, Oil free design which results in higher efficiency and lower maintenance costs, two ultra quiet compressors, and greater reliability with the oil less design and multiple independently circuited compressors.



SIMMONS ROCKECHARLIE & PRINCE INC.  
8416 Glazebrook Ave.  
Richmond, Virginia 23228

Phone: 804-262-7323  
Fax: 804-262-0021  
[WWW.SRPENG.COM](http://WWW.SRPENG.COM)



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Electrical Engineers**

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