



RFP #769 Mt. Zion Weather Station

Addendum 002
Issued August, 11, 2017

1. My understanding is that you will need the new weather station to communicate via radio to the existing on-campus weather station site. Can you tell me the equipment that you have at the on-campus site? Which logger and what peripherals are connected to it? We need this information to ensure we provide the correct cable to connect the radio. Presuming the on-campus site has a tower, how tall is it and/or what height do you want the antenna at? Is it possible to have a picture of the on-campus site and equipment?

Campbell Scientific CR1000. There is a RS232 port. Data is collected from this logger through and Ethernet connection. The tower is 30'.

2. Do you have specs for the battery box? Can you tell us the specs, including dimensions on the battery you will supply?

Type 27

3. In order to size the solar panels correctly we will need to know how many days you will require the system to operate without sunlight to recharge the battery. We will also need to know the frequency with which you would like the sensors to measure data and the how often you will be retrieving the data from the site.

5 days w/o sunlight. Data collected every hour. Wind speed and dir every 3 sec. Temp/RH every 2 min. Store 10 min and 60 min averages.

4. Are your installers able to wire up the system from a wiring diagram or will you require a plug and play pre-wired system?

Yes with proper wiring diagram.

5. Regarding programming and what you and wanting the system to do. Is it something straight forward like record measurements and output them to a table or are you looking for calculations within the programming such as wind chill etc.?

All calculations are simple. Standard statistical operations such as mean, std. dev, variance, max, min.

6. Do you have specs on the temperature/RH sensor, regarding operating temperature and accuracy?

Measurement Range	0 to 100% RH (non-condensing)
Typical Accuracy at -40° to 0°C	±5% (0 to 90% RH) ±7% (90 to 100% RH)
Typical Accuracy at 0° to 40°C	±3% (0 to 90% RH) ±5% (90 to 100% RH)
Typical Accuracy at 40° to 60°C	±5% (0 to 90% RH) ±7% (90 to 100% RH)

7. The description on the radio has a TNC connector, the RF451 radio from Campbell's has an RP-SMA connector would this be acceptable? All the cables quoted will work with the RF451.

I don't know the answer to this question. I guess as long as it worked it would be okay. We listed the RF451 because it is what we are used to.

8. Would you be interested in the newer version of the CR1000, the CR1000X or do you want to stay with the CR1000?

CR1000X is fine. When we started this process it was not available.

All vendors/companies/groups (herein referred to as "Vendor") providing services to or doing business with Colorado Mountain Local College District ("CMC") must maintain the following types of insurance with minimum limits of liability as stated below for the duration of the contract. Please send these requirements to your insurance agent or broker and have them provide a compliant Certificate of Liability Insurance (preferably a standard Acord form) to CMC.

Certificates of Liability Insurance evidencing the coverage, limits and endorsements outlined below must be issued by the insurance agent or carrier at least (5) working days prior to contract execution or work commencing.

Note: Additional coverage may be required dependent upon the nature and scope of services provided and/or work performed. Requests for exceptions to these requirements must be discussed with and approved by CMC Risk Management **prior to contract execution or work commencing.**

Coverage	Minimum Limit
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Commercial General Liability (CGL) \$2,000,000 Products / Completed Operations aggregate	\$1,000,000 Occurrence/\$2,000,000 aggregate
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The Vendor shall maintain CGL coverage for itself and all additional insureds for the duration of the services performed for CMC and maintain Completed Operations coverage required herein in full force and effect until the expiration of any applicable statutes of limitations. Colorado Mountain Local College District and its affiliates shall be listed as an additional insured, including without limitation for Ongoing Operations and Products and Completed Operations. The insurance shall include a provision that such insurance afforded by the policy for the benefit of the additional insureds shall be primary and non-contributory to any insurance or self-insurance maintained by the additional insureds. In addition, a Waiver of Subrogation shall be issued in favor of CMC.

Automobile Liability

Vendor shall ensure automobile liability is in force as required by state law for all vehicles used in performing services under this agreement. Proof of coverage may be required upon request.

Workers' Compensation	Statutory Limits (\$100,000/\$500,000/\$100,000)
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Vendor shall maintain the coverage required by the state for Workers' Compensation / Employer's Liability insurance. The policy shall contain a Waiver of Subrogation in favor of CMC. If Vendor is not required by the state to carry Workers' Compensation / Employer's Liability insurance and officers have rejected coverage, Vendor is required to complete a Declaration of Independent Contractor Status form.

Additional Provisions

CMC requires insurance carriers be licensed to conduct business in the State of Colorado and a minimum A.M. Best Rating of A-.

Vendor shall require in all Vendor's subcontracts, if any, the same limits and coverage required herein.

Each insurance policy shall state that CMC will receive thirty (30) days prior written notice of any cancellation, non-renewal, or material alteration of the Vendor's insurance policies. Renewal certificates should be automatically sent to CMC.

Certificate Holder: Colorado Mountain Local College District
Risk Management Department 802 Grand Avenue
Glenwood Springs, CO 81601

Questions regarding CMC's Insurance Requirements should be directed to: gpedrick@coloradomtn.edu Phone: 970-947-8375

Revised 12/2016