UCAR, FRGP and UPoP

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UCAR manages, among other things:

- National Center for Atmospheric Research (NCAR)
- Front Range GigaPop (FRGP)
- UCAR Point of Presence (UPoP)
Front Range GigaPop

- 16 members currently
- Potential new members pending
  - Inquiries from far and wide
- Shared expertise and services, increased buying power, peering opportunities, and economies of scale
Officially began in May 2007 when UCAR assumed responsibility for secondary members previously behind UCDHSC

UCDHSC has provided generous support for this effort, including:
- equipment
- staff assistance
- facilities
Why UCAR?

- History of support for research and education networking
- Education and Outreach mission
- Management, contractual, accounting, and engineering capabilities
- President’s Council support
What is the UPoP?

- A consortium of secondary institutions behind UCAR (from the FRGP point of view) sharing:
  - WAN services
  - intra-UPoP and FRGP traffic
  - commodity Internet
  - Abilene (I2) and National LambdaRail (NLR) access
What does UCAR provide?

- Management, contractual, and accounting support
- Network Operations Center (24x7 NOC) support
- Network engineering support
- A variety of potential connectivity options in multiple locations
Current connections

- Auraria Higher Education Center
- Boulder Valley School District
- City and County of Denver
- City of Boulder
- Colorado Mountain College
- Deproduction: The [denverrevolution] Production Group
Current connections, continued

- Denver Health and Hospital Authority
- Educational Support Services (UCDHSC ATM video transport)
- Metropolitan State College of Denver
- St. Mary’s Academy
Connections coming soon

- Centennial Board of Cooperative Educational Services
- Colorado Alliance of Research Libraries
Short term future items

- Move to new equipment
  - potential for combined FRGP and UPoP equipment use
- Additional growth behind CBOCES?
- Additional UPoP members?
Scope and longer term?

- Colorado “K-20” networking:
  - “As is” on through …
  - Statewide integration futures?
Links for related national efforts

- EDUCAUSE
  - StateNets
  - Broadband America
- Internet2
- National LambdaRail
- The Quilt
UCAR, FRGP and UPoP info

- http://www.ucar.edu
- http://www.frgp.net
- http://www.cisl.ucar.edu/nets/upop/
- upop-eng@ucar.edu for questions or more information
- acronym decoder