

ABQG Business Process “Connecting Networks Faster”

June 6 – 7, 2019

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Business Analyst

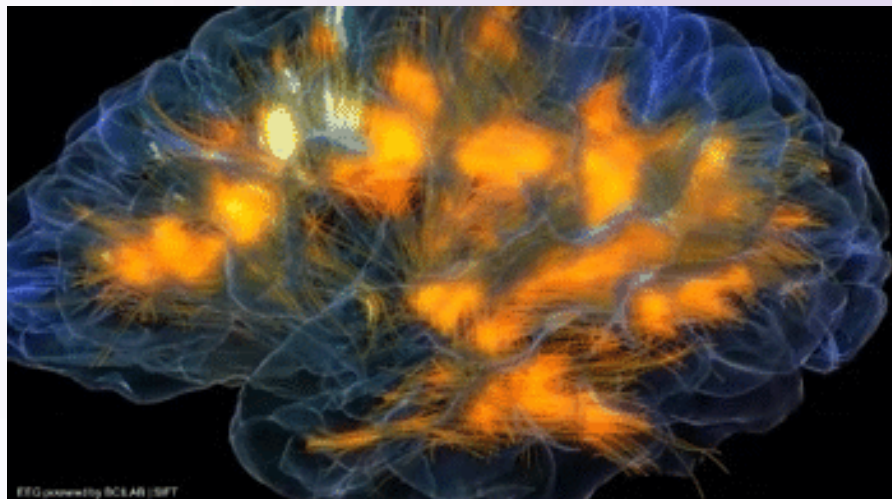
UNMIT Data Networks/ABQG


What is ABQG's Purpose?

To meet the growing needs of New Mexicans who need high-speed & high-volume bandwidth to support work in areas of education, research, health, security, economic development, and government.



What is ABQG's Purpose?





How fast is a Gbps
Internet connection?

<https://youtu.be/IOERJ0fdUb4>



Western Regional Network (WRN)



https://www.youtube.com/watch?time_continue=54&v=fDxBVZhZZwI



What Services Does ABQG Provide?



Dedicated High Speed Access

High-speed dedicated access solution that connects your organization efficiently and affordably.

Transport

End user established dedicated point-to-point connection to co-location facilities that can be customized and redundant for Ethernet handoffs.

Metro Ethernet Service

Is provided by our local area provider and allow subscribers to add bandwidth incrementally, as needed so you pay for only what you need at a discounted price.



Education & E-rate Services

ABQG is committed to helping educational institutions create customized networks that seamlessly meet current education IT demands and future expectations; all while containing costs.



Local Peering

Connect to ABQG's transit exchange to peer with its participants to move data. The service allows peering participants to exchange traffic with networks while bypassing their upstream providers.



Data Port Activation

If there is existing data cabling on an existing IT outlet, ABQG can activate a data port(s) to the ABQG network.



Network Consulting Service

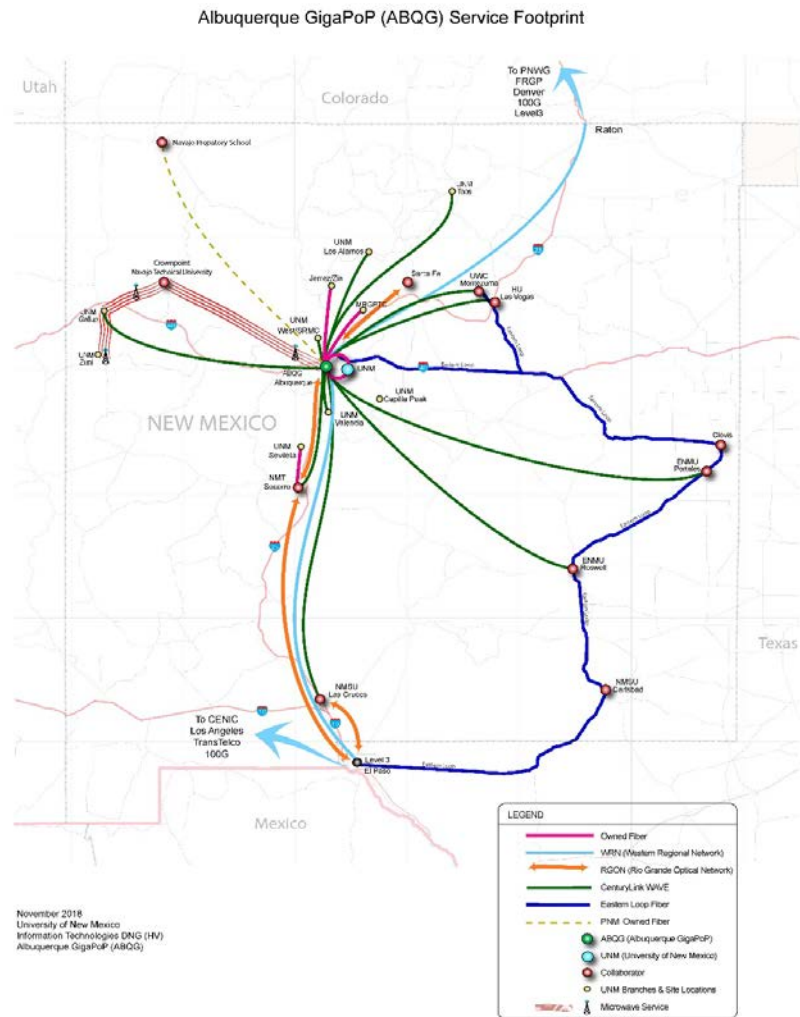
ABQG is composed of experienced and certified engineers with areas of expertise ranging from assessment and analysis to project implementation.



Cache Services

ABQG provides local dedicated cache engines through Open Connect by Netflix and Global Cache by Google.

(12) GigaPoP Members



(50+) local port
activations

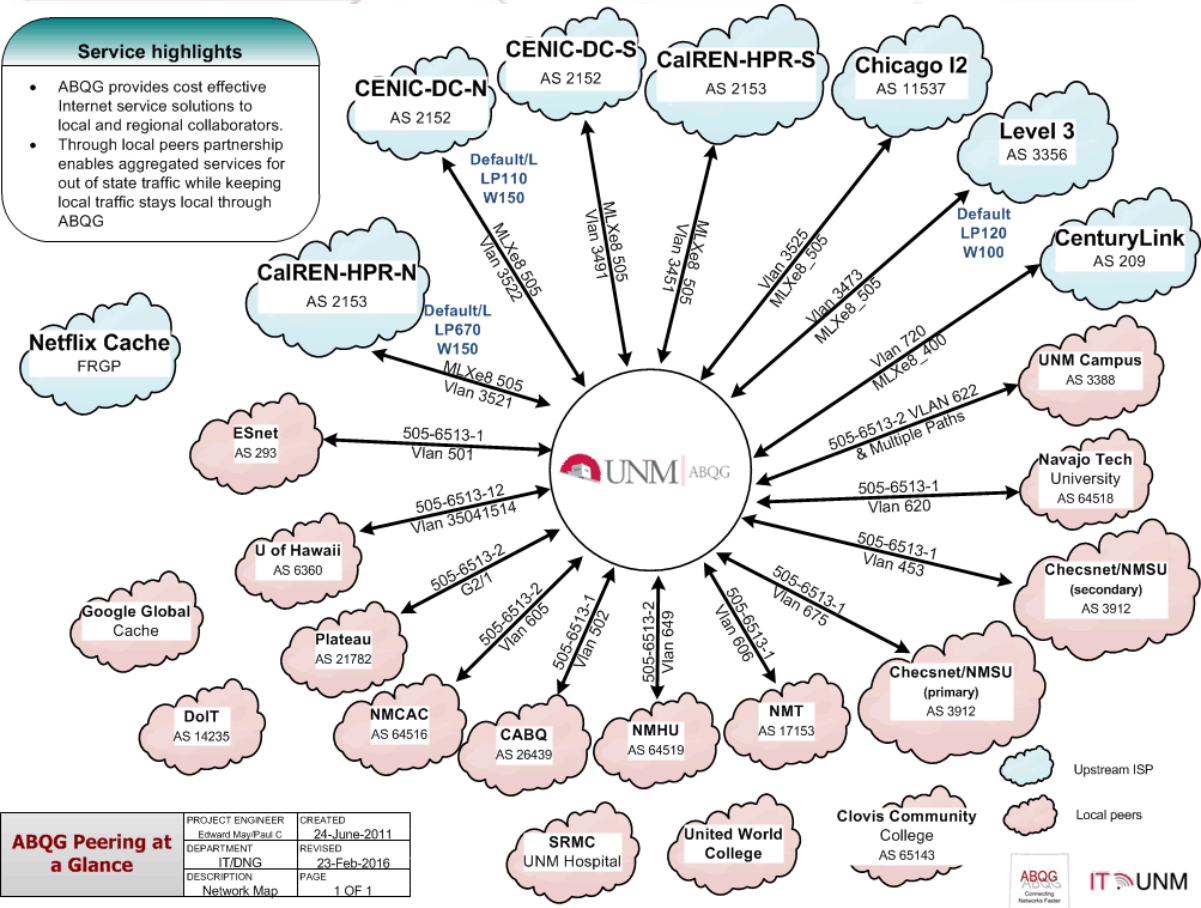
Service highlights

- ABQG provides cost effective Internet service solutions to local and regional collaborators.
- Through local peers partnership enables aggregated services for out of state traffic while keeping local traffic stays local through ABQG

Netflix Cache
FRGP

ABQG Peering at a Glance	PROJECT ENGINEER	CREATED
	Edward May/Paul C.	24-June-2011
	DEPARTMENT	REVISED
	IT/DNG	23-Feb-2016
DESCRIPTION	PAGE	
Network Map	1 OF 1	

O:\Production Docs\MiscellaneousDiagrams\ABQG Peering at a glance.vsd



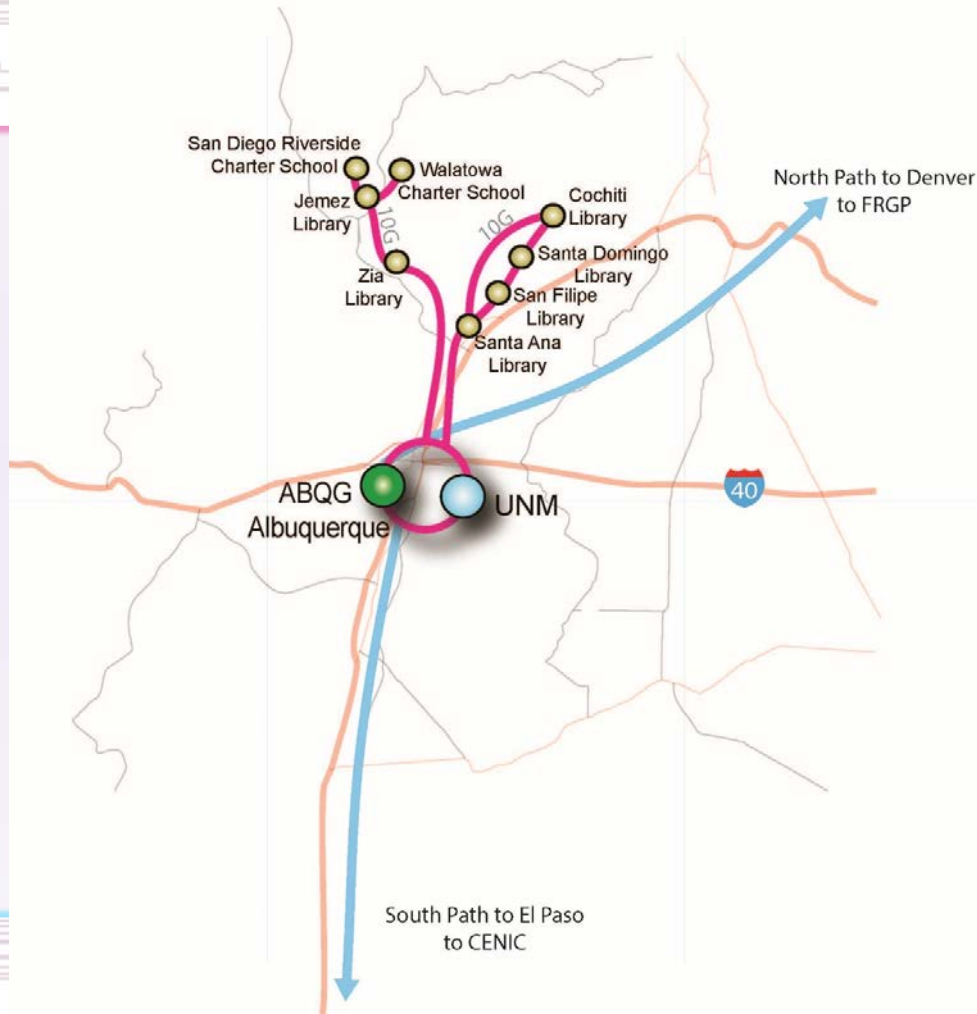
CRB 18-AUG-2011



Middle Rio Grande Pueblo Tribal Consortium (MRGPTC)

- Santa Ana Library
- San Filipe Library
- Santa Domingo Library
- Cochiti Library

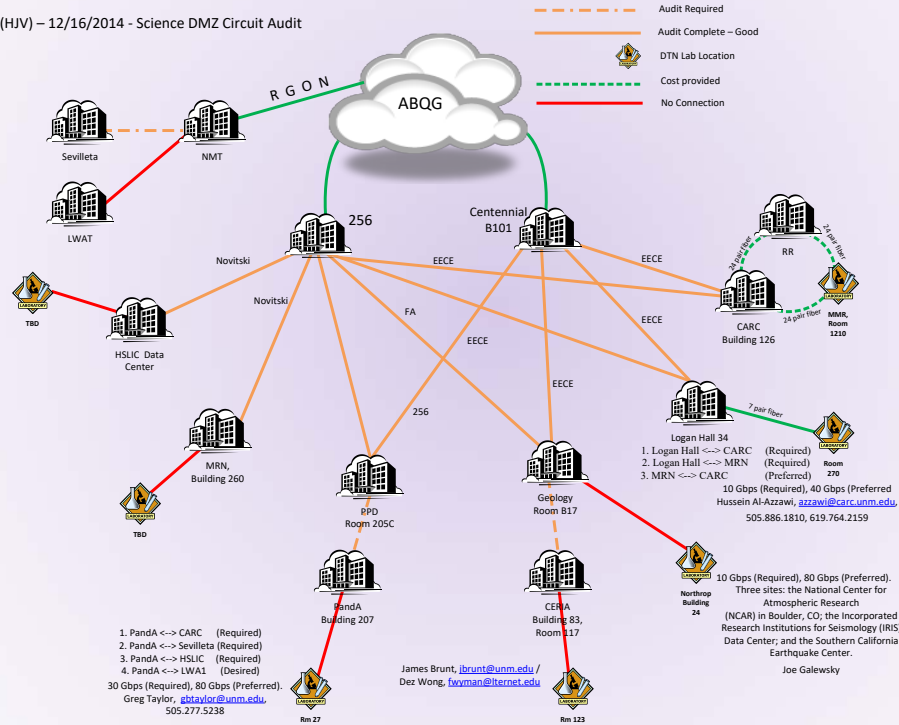
New Mexico Pueblo Tribal Consortium



Jemez/Zia Pueblo Tribal Consortium (JZPTC)

- Zia Library
- Jemez Library
- San Diego Riverside Charter School
- Walatowa Charter School

Draft (HJV) – 12/16/2014 - Science DMZ Circuit Audit



TECH DAYS



Sandia National Laboratories



NAVAJO TECHNICAL UNIVERSITY



MRGPTC
JZPTC



UNIVERSITY of HAWAI'I

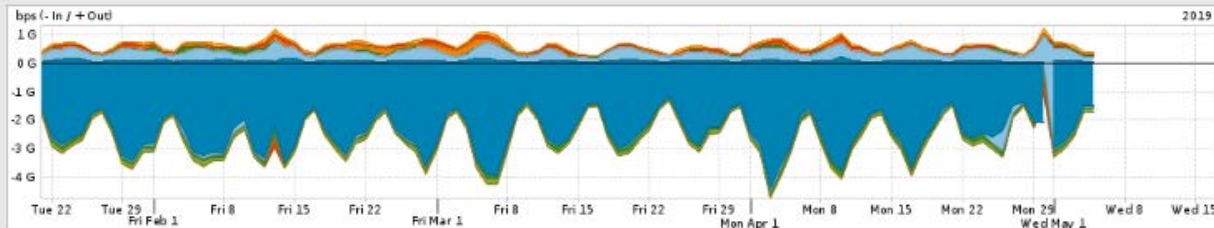


Application 'http' Peers

DETAILS Period: **Other** start: 01/21/19 13:22:10 End: 05/17/19 13:21:57 Units: **bps** Graph Type: **Stacked** [Update](#)

Application: [Select Application](#)

Description: Hypertext Transfer Protocol



[Select All](#) [Clear All](#) [Update](#)

[Average](#) | [Max](#) | [PCT95](#)

Peer	In	Out	Total (In + Out)	% Total
<input checked="" type="checkbox"/> ASQG-CENIC-DC-2152	3.61 Gbps	147.76 Mbps	3.76 Gbps	69.20%
<input checked="" type="checkbox"/> ASQG-CHECS-3912	129.89 Mbps	477.29 Mbps	607.18 Mbps	11.17%
<input checked="" type="checkbox"/> ASQG-Internet2-11537	136.70 Mbps	68.95 Mbps	205.65 Mbps	3.78%
<input checked="" type="checkbox"/> Xfinity_on Campus_UNM	169.47 Mbps	6.16 Mbps	175.63 Mbps	3.23%
<input checked="" type="checkbox"/> ASQG-Centurylink	0.00 bps	170.38 Mbps	170.38 Mbps	3.13%
<input checked="" type="checkbox"/> ASQG-Level3-3356	13.59 Mbps	125.38 Mbps	138.97 Mbps	2.56%
<input checked="" type="checkbox"/> ASQG-NMT-17153	13.08 Mbps	114.68 Mbps	127.76 Mbps	2.36%
<input type="checkbox"/> ASQG-NMHU-64519	10.91 Mbps	81.56 Mbps	92.47 Mbps	1.70%
<input type="checkbox"/> ASQG-Plateau-21782	20.17 Mbps	48.55 Mbps	68.72 Mbps	1.26%
<input type="checkbox"/> ASQG-UNM-3388	6.18 Mbps	50.56 Mbps	56.73 Mbps	1.04%
<input type="checkbox"/> UNM Campus-3388	6.18 Mbps	50.56 Mbps	56.73 Mbps	1.04%
<input type="checkbox"/> ASQG-Lobonet-11996	44.86 Mbps	3.20 Mbps	48.07 Mbps	0.88%
<input type="checkbox"/> ASQG-Netflix-14041	16.11 Mbps	395.35 Kbps	16.51 Mbps	0.30%
<input type="checkbox"/> ASQG-CaiREN-2153	7.88 Mbps	6.69 Mbps	14.57 Mbps	0.27%
<input type="checkbox"/> ASQG-ESnet-293	5.42 Mbps	742.08 Kbps	6.16 Mbps	0.11%
<input type="checkbox"/> ASQG-CABQ-26439	3.28 Mbps	891.82 Kbps	4.15 Mbps	0.08%
<input type="checkbox"/> ASQG-DoIT	4.54 Kbps	0.00 bps	4.54 Kbps	0.00%
Sum of selected items	4.08 Gbps	1.11 Gbps	5.19 Gbps	95.42%
Application Total	4.25 Gbps	1.19 Gbps	5.44 Gbps	100.00%

[Select All](#) [Clear All](#) [Update](#)

Showing 17 items

<https://youtu.be/qLb56T0bXwA>



Thank You

Questions?