# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Definitions</td>
<td>3</td>
</tr>
<tr>
<td>Purpose and Scope</td>
<td>5</td>
</tr>
<tr>
<td>General Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Joint Use Attachment Application Process</td>
<td>9</td>
</tr>
<tr>
<td>Pole Attachment Space Allocation Drawing—PASA-1</td>
<td>11</td>
</tr>
<tr>
<td>Transmission Line Pole Attachment Drawing—PASA-T1</td>
<td>13</td>
</tr>
<tr>
<td>Pole Attachment with Extended Bracket Drawing—PASA-2</td>
<td>15</td>
</tr>
<tr>
<td>Communication Riser Drawing—PASA-3</td>
<td>16</td>
</tr>
<tr>
<td>Light Pole Clearances Drawing—PASA-4</td>
<td>17</td>
</tr>
<tr>
<td>Climbing Space Drawing—PASA-5</td>
<td>18</td>
</tr>
<tr>
<td>Communication Service Drop Drawing—PASA-6</td>
<td>19</td>
</tr>
<tr>
<td>Joint Use Underground Drawing—PASA-7</td>
<td>20</td>
</tr>
<tr>
<td>Clearance to Equipment Drawing—PASA-8</td>
<td>21</td>
</tr>
<tr>
<td>Example of &quot;Exhibit B&quot;</td>
<td>22</td>
</tr>
<tr>
<td>FEUS Joint Use Attachment Application Work Flow Process</td>
<td>23</td>
</tr>
<tr>
<td>Contacts for Transfers/Removals of Joint Pole Attachments</td>
<td>24</td>
</tr>
</tbody>
</table>
Definitions

- **Anchor & Guys** \ A tensioned cable designed to add stability to pole structures.

- **Attacher** \ Non-pole-owning entities of telecommunications equipment to which FEUS has granted certain non-exclusive rights to use its poles, pursuant to the Attacher’s FEUS Communication Space Facility Attachment Agreement.

- **Attachment** \ The placement or attachment of any cable, apparatus, device and associated equipment that breaks the plane of the pole within the Communications Space of the pole, is considered an attachment. Attachments may include: cable, equipment, or device, now or hereafter, directly on, or to, an FEUS pole, structure or appurtenant facility within the Communication Space. This includes bolts, lags, and anchor attachments, but excludes staples. Each breach of the pole’s plane counts as an attachment. FEUS reserves the right to use the Safety Zone as it deems necessary.

- **Communications Space** \ The linear area on the pole reserved for the attachment of non-electric equipment which shall meet all Federal and State requirements, and in accordance with the provisions of the National Electric Safety Code (NESC) or any amendment or revision thereof, and in compliance with any rules or orders now in effect or which many hereafter be issued by any other authority having jurisdiction; including the National Electric Code (hereinafter called NEC), the New Mexico Electrical Code (hereinafter called NMEC), or the standards in the Farmington Electric Utility System Joint Use Guide, (current version available at [http://fmtn.org/DocumentCenter/View/14992](http://fmtn.org/DocumentCenter/View/14992)). In the event of a conflict, the more applicable code will apply as determined by FEUS.

- **Exhibit “B”** \ Application for Joint Pole Attachment Permit on FEUS poles.

- **FEUS** \ Farmington Electric Utility System

- **Joint Use** \ To provide non-pole-owning entities with access to FEUS’s distribution poles, conduits, and rights-of-way for: Installing fiber, coaxial cable or wires, and other equipment as approved by FEUS; and for other pole-owning entities to provide access to their poles to FEUS.

- **Lift Poles** \ Pole structures installed to support secondary cable between transformer pole and point of service.

- **Make-Ready Work** \ All work on an existing pole, including, but not limited to, such work required to rearrange and/or relocate existing attachments by FEUS and/or third parties, and to correct any existing safety violations, that FEUS may deem necessary pre-installation to ensure that any pole for which Attacher has requested access is safe, reliable, and in suitable condition to support Attacher’s proposed Attachment.

- **NESC** \ National Electric Safety Code

- **NEC** \ National Electric Code

- **NMEC** \ New Mexico State Electric Code

- **NJUNS** \ National Joint Utilities Notification System. **NJUNS** is the joint use notification system software currently used by the Farmington Electric Utility System. Approved notification software is subject to change. Attachers will be informed of any changes.
• **Pole** \ FEUS poles supporting electrical conductors of less than 69 kV; this does **not** include street light poles and all other such special purpose poles or pole lines of non-standard design that do not support FEUS's electrical distribution system. Use of special purpose poles shall be at FEUS discretion.

• **Pole Transfers** \ Moving an Attachment from one pole to another.

• **Rearranging** \ Relocating or otherwise reconstructing an Attachment on the same pole.

• **Riser** \ Conduit on pole that supports transition from overhead to underground cables.

• **Safety Zone** \ The space between the lowest supply conductor or equipment and the highest communication cables or equipment. Spacing requirements for Safety Zone are specified by the NESC. FEUS reserves the right to the use the Safety Zone as it deems necessary.

• **Slack Spans** \ A reduced tension span that is itself not supported by anchoring and guying.

• **Span Guy** \ An aerial guying device supporting tension between two (2) pole structures.

• **Supply Space** \ The upper portion of a distribution pole located above the Safety Zone, used to support electric cables and other electric equipment, such as transformers and capacitors, used for electric distribution. Only FEUS-authorized electrical workers are allowed to work in or above the Supply Space.

• **Tag** \ Color-coded markers, as defined in the FEUS Communication Space Facility Attachment Agreement, used to identify owners of Attachments.
Joint Use Guide

Farmington Electric Utility System

Purpose and Scope

Farmington Electric Utility System (hereafter called FEUS) will make every reasonable effort to provide safe reliable, adequate joint use space to best meet your requirements. To best accomplish this objective, FEUS shall be contacted and an Exhibit “B” shall be submitted to FEUS well in advance of your required joint use connection date. Available safety space, communications space and required clearances, etc. may vary at different locations.

The information contained in this joint use guide (hereafter called Guide) refers primarily to joint use requirements for clearances required clearance requirements for overhead and underground joint use utility construction and installation of communication cable and fiber optics cable. Joint use requirements for installations requiring other equipment are subject to negotiations between the Attacher and FEUS.

Strict adherence to this Guide will insure prompt service and inspection of all attachments, and allows FEUS to standardize its equipment, thus affording Attachers with the best possible service at the lowest possible cost.

This Guide supersedes all other standards previously issued and is enforced in all areas served by FEUS. In the event a conflict should arise between the National Electric Safety Code (hereinafter called NESC), the National Electric Code (hereinafter called NEC), New Mexico Electrical Code (hereinafter after called NMEC), or the or the standards in this Guide, the more applicable code will apply as determined by FEUS.
Joint Use Guide
Farmington Electric Utility System

General Requirements

This standard establishes the clearances that are required on the FEUS pole structures between electrical supply facilities owned and operated by Farmington Electric Utility System and all other communications facilities owned and operated by Attachers. The purpose of these guidelines is the practical safeguarding of all personnel during installation, operation, and maintenance of communications lines, FEUS power lines, and associated equipment.

1. Anchors and Guys

1.1. FEUS anchors and guys shall only be used for FEUS equipment.

1.2. All other Attachers shall install their own anchors and guys for their own equipment.

1.3. All anchors and guys shall be installed prior to installation of any messenger wire or cable.

1.4. All down guys, head guys, or messenger dead ends installed shall be attached to jointly used poles by the use of "thru bolts".

1.5. Any time any messenger wire or cable changes directions, or dead ends, an anchor and guy is required.

1.6. All anchoring and guying is subject to changes by FEUS personnel.

1.7. If Attacher proposes to share anchoring with other Attachers, they must get written approval of the shared anchoring from those Attachers, and such written approval must be provided to FEUS.

1.8. Slack spans shall be installed as determined by FEUS.

2. Tagging

2.1. All cable markers must be approved by FEUS.

2.2. All cable will be marked with a color-coded cable marker with the owner of the cable identified.

2.3. A marker will be attached to cable beginning at the first pole attachment and at every pole thereafter.

2.4. All cable on all sides of a splice point must be identified by color-coded cable marker.

2.5. Refer to drawing PASA-1 on page 11

2.6
JOINT USE COLOR CODE
CABLE MARKER ASSIGNMENTS WITH OWNERS NAME VISIBLY PRINTED 360°

Comcast - yellow with black print
Fast Track - green with black print
Century Link - orange with black print
Cedar Networks - purple with black print
City of Farmington - red with black print
Farmington Electric Utility System - cyan with black print
Central Consolidated school district - pink with black print
City of Bloomfield - blue with black print
Bloomfield independent school district - yellow with blue print
San Juan County IT - purple with black print
Farmington MSD – blue and white with black print
Others - blue with white print

3. Risers

3.1 No risers are allowed to be installed on transmission poles. Risers must be placed on quarter section of the pole facing the roadway to allow FEUS crews to maintain access.

3.2 Underground pole attachments must be placed on the side facing the roadway.

3.3 Poles selected for attaching communications equipment shall be bucket truck accessible.

3.4 If less than three risers (including cable not installed in conduit) are present, new riser conduits may be installed only in a new or existing stand-off bracket, up to a maximum of three risers (including existing conduits).

3.5 If existing poles are to be replaced, existing communication risers shall be transferred to new poles and brackets at Attacher’s expense.

3.6 Refer to drawing PASA-3 on page 16

4. Transmission Structures

4.1 Since FEUS has numerous different structures, transmission drawings will be used only as an overall indication of our spacing requirements.

4.2 FEUS employees must be able to determine whether each individual pole attachment request will meet transmission post spacing requirements.

4.3 Refer to drawing PASA-T1 on page 13

5. Underground

5.1 All joint use underground shall be separated by 24” of clean backfill to primary and 12” of clean backfill to secondary.

5.2 All joint use underground shall be marked with a marking ribbon no less than 12” above the conduit.
5.3 Refer to drawing PASA-7 on page 20

6. **Climbing Space**

6.1 Climbing space shall be a 30" by 30" space on one quarter of the pole on the side of the pole away from the roadway.

6.2 Refer to drawing PASA-5 on page 18

7. **Grounding**

7.1 All grounding shall be performed in accordance with the National Electric Safety Code (NESC) rule 097.

8. **Communication Service Drop**

8.1 All communication service drops must maintain a 40" separation on FEUS poles and maintain 12" of separation on customer houses and poles.

8.2 Refer to drawing PASA-6 on page 19

9. **Pole Transfers**

9.1 All pole transfers shall be in accordance will this Guide and the FEUS Communication Space Facility Attachment Agreement.

9.2 Attacher will be notified through NJUNS that a pole transfer needs to occur within thirty (30) days of notification.

9.3 Attacher will notify FEUS in NJUNS that transfers have been completed.

9.4 If pole transfers have not been completed within thirty (30) days, or if pole transfers have been completed and FEUS has not been notified within thirty (30) days, a penalty of eight dollars ($8.00) per transfer, per day shall be enforced from the first day exceeding the thirty (30) day notice until the date of remedy. A one hundred-fifty dollar ($150.00) fee for FEUS inspection may apply.

9.5 When Attachments are transferred to new poles, Attachments must be tagged with a color-coded marker at each pole as defined in this Guide and the FEUS Communication Space Facility Attachment Agreement.

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**Joint Use Attachment Application Process**
When Attacher desires to initially install or subsequently modify an Attachment or install additional Attachments on FEUS’s poles or structures, it shall make application therefore on an Application for Joint Pole Attachment Permit on Farmington Electric Utility System Poles—Exhibit “B”.

1. The Attacher must access NJUNS (National Joint Utilities Notification System) website and submit a registration to obtain a member code. Their new user registration form can be found at: https://www.njuns.com/NjunsPublicForms/NewUserRegistration
Training on use of NJUNS is also available at this website.

2. Once Attacher has obtained a member code, they must go to the NJUNS website to submit an FEUS application, as well as attachment of completed Exhibit “B”, and map(s) of proposed route which must include pole numbers, roadway names, anchor locations indicating anchoring direction, and an indication of North in the upper right hand corner.

3. Upon submission of Attacher’s application and supporting documentation, the Attacher will be billed a non-refundable two hundred dollar ($200.00) fee per application.

4. FEUS will initially review all paperwork including application, Exhibit “B”, and map(s) of proposed route for attachment request. FEUS reserves the right to require Attacher to select an alternate route. FEUS may offer suggestions if alternate routing is required.

5. After initial FEUS review, Attacher must submit a make-ready report and engineering pole loading analysis for all poles and Attachments, existing and proposed, listed on the reviewed application. Existing violations must be noted on the make-ready report. Existing violations on any pole must be corrected by the owner(s) of the Attachment(s) in violation, before any new Attachments will be allowed to be made. FEUS will review make-ready report and engineering pole loading analysis for final approval.

6. If further changes are required in make-ready report and engineering pole loading analysis, the Attacher will be notified with explanation via NJUNS. The Attacher must submit via NJUNS that they agree with required changes to their make-ready report and engineering pole loading analysis. Attacher will then contact New Service for estimation of cost for any changes to FEUS equipment. Attacher will supply New Service with the NJUNS permit number referenced on submitted Exhibit “B”. New Service can be contacted at (505) 599-8310.

7. Once all requirements have been met and estimation of cost has been made, Attacher must submit payment for any make-ready work before FEUS construction will be scheduled.

8. When FEUS construction is complete, New Service will notify the Attacher. An FEUS inspector will sign off on Exhibit “B”. The application will be approved in NJUNS and a signed attachment of Exhibit “B” will be submitted through NJUNS.

9. Attacher’s construction crew may begin construction upon receipt of a signed copy of Exhibit “B”. The Attacher’s construction crew must be in possession of said signed copy of Exhibit “B” at all times. If an FEUS employee requests to see the signed copy of Exhibit “B” during construction and the copy cannot be produced, all construction must immediately cease. Construction may resume only when the construction crew has obtained a signed copy of Exhibit “B”.
10. Attacher construction shall commence within six months of application approval or application will be cancelled. Attacher may re-apply, and begin the process again.

11. Once Attacher’s construction is complete, the Attacher must submit notification of completion in NJUNS. If such notification is not submitted in NJUNS within ten (10) days of construction completion, a penalty of eight dollars ($8.00) per Attachment, per day shall be enforced from the first day exceeding the ten (10) day notice until Attacher submits notification of completion in NJUNS.

12. Once FEUS has been notified of completion through NJUNS, an FEUS inspector will be dispatched for final approval of all construction, installations, and Attachments in accordance with the provisions of the National Electrical Safety Code (NESC) or any amendment or revision thereof, and in compliance with any rules or orders now in effect or which may hereafter be issued by any other authority having jurisdiction; including the NEC, NMEC, and the FEUS Joint Use Guide, current version available at http://fmtn.org/DocumentCenter/View/14992. In the event of a conflict, the more applicable code will apply as determined by FEUS.

13. In the event any violations are found, Attacher will be notified via NJUNS. If violations are not corrected within ten days of notification, a penalty of eight dollars ($8.00) per violation, per day shall be enforced from the first day exceeding the ten (10) day notice until the date of remedy. Attacher will notify FEUS via NJUNS when violations have been corrected.

14. When FEUS is notified through NJUNS that all violations have been corrected, an FEUS inspector will be dispatched, at Attacher’s expense, to verify all violations have been corrected. The Attacher will be billed for this, and any additional inspections, one hundred fifty dollars ($150.00) per inspection.

15. The Attacher’s application will be closed in NJUNS, once an FEUS inspector has approved all construction, installation, and Attachments are in accordance with the provisions of the National Electric Safety Code (NESC) or any amendment or revision thereof, and in compliance with any rules or orders now in effect or which may hereafter be issued by any other authority having jurisdiction; including the NEC, the NMEC, or the standards in the Farmington Electric Utility System Joint Use Guide, (current version available at http://fmtn.org/DocumentCenter/View/14992). In the event of a conflict, the more applicable code will apply as determined by FEUS.

16. Emergencies will be handled on a case-by-case basis. For more information on emergencies, reference Communication Space Facility Attachment Agreement Section 6.2.
POLE ATTACHMENT SPACE ALLOCATION

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1"-0" MINIMUM SPACE BETWEEN UTILITIES ATTACHMENT FOR REF. SEE: 235H, N.E.S.C.
GENERAL REQUIREMENTS FOR DISTRIBUTION

1. ALL GUYS AND ANCHORS SHALL BE INSTALLED PRIOR TO INSTALLATION OF ANY MESSENGER WIRE OR CABLES. ALL DOWN GUYS, HEAD GUYS OR MESSENGER DEAD ENDS INSTALLED SHALL BE ATTACHED TO JOINTLY USED POLES BY THE USE OF "THRU" BOLTS.

2. THE PURPOSE OF THESE RULES IS THE PRACTICAL SAFEGUARDING OF PERSONS DURING INSTALLATION, OPERATION OR MAINTENANCE OF COMMUNICATION LINES AND ASSOCIATED EQUIPMENT.

3. ALL CABLE WILL BE MARKED WITH A COLOR CODED CABLE MARKER WITH THE OWNER OF THE CABLE IDENTIFIED. A MARKER WILL BE ATTACHED AT THE FIRST (1ST) POLE ATTACHMENT AND EVERY POLE THEREAFTER. (SEE CONTRACT 4.6.B)

Fiber Characteristics — Attached EXHIBIT "C"

Joint Use Color—Coded Cable Marker Assignment
with Owner’s Name Visibly Printed—360° Read

COMCAST — YELLOW WITH BLACK PRINT
FAST TRACK — GREEN WITH BLACK PRINT
CENTURY LINK— ORANGE WITH BLACK PRINT
CEDAR NETWORKS — PURPLE WITH BLACK PRINT
CITY OF FARMINGTON — RED WITH BLACK PRINT
FEUS — CYAN WITH BLACK PRINT
CENTRAL CONSOLIDATED SCHOOL DISTRICT — PINK WITH BLACK PRINT
CITY OF BLOOMFIELD — BLUE WITH BLACK PRINT
BLOOMFIELD INDEPENDENT SCHOOL DISTRICT — YELLOW WITH BLUE PRINT
SAN JUAN COUNTY (CT) — PURPLE WITH BLACK PRINT
FARMINGTON MSD — BLUE/WHITE WITH BLACK PRINT
OTHERS — BLUE WITH WHITE PRINT

POLE ATTACHMENT SPACE ALLOCATION

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<tr>
<td></td>
<td></td>
<td></td>
<td>J. BLUDHOUSE</td>
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<tr>
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<td></td>
<td></td>
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<td>J. ARMENTA</td>
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SHEET 2 OF 2
GENERAL REQUIREMENTS TRANSMISSION

1. THIS DRAWING WILL BE USED ONLY AS AN OVERALL INDICATION OF OUR SPACING REQUIREMENTS. SINCE FEUS HAS NUMEROUS DIFFERENT STRUCTURES.

2. FEUS MUST BE ABLE TO DETERMINE WHETHER EACH INDIVIDUAL POLE ATTACHMENT REQUEST WILL MEET THESE SPACE REQUIREMENTS.
POLE ATTACHMENT WITH EXTENDED BRACKET ON RISER POLE ONLY

DATE

REVISION

APP'D.

CITY OF FARMINGTON
ELECTRIC UTILITY SYSTEM

DRAWN BY
J. BLUEHOUSE
06/20/17

CHECKED BY
LUWIL

APPROVED BY
J. ARMENTA

PASA-2

15
NOTES:
1. POLES SELECTED FOR ATTACHING COMMUNICATION EQUIPMENT SHALL BE BUCKET TRUCK ACCESSIBLE. HOWEVER, THE NESCRequires climbing space to be reserved as shown on the drawing.
2. IF LESS THAN THREE (3) RISERS (INCLUDING CONDUIT AND CABLES NOT INSTALLED IN CONDUIT) ARE PRESENT, NEW RISER CONDUIT(S) MAY BE INSTALLED ONLY IN A NEW OR EXISTING STANDOFF BRACKET, UP TO A MAXIMUM OF THREE (3) (INCLUDING EXISTING CONDUITS).
3. EXISTING POLE IS TO BE REPLACED, EXISTING COMMUNICATION RISERS SHALL TRANSFER TO THE BRACKET AT JOINT USE EXPENSE.
NOTE:
The separation between supply vertical run (including its hardware) and other bolts, fastening devices, and/or communication drive hook, shall be at least 2" measured in any direction including separation within the pole.
NOTE:
12” MINIMUM BETWEEN THE COMMUNICATION SERVICE DROPS AND ANY CONDUCTOR OF THE SUPPLY AT THE SERVICE ENTRANCE.
GROUND EQUIPMENT CASE
- TRANSFORMER
- RECLOSER
- CAPACITOR
- REGULATOR

NOTE:
GOOD, SOLID GROUNDS MUST BE MAINTAINED ON THE EQUIPMENT.

CLEARANCE TO EQUIPMENT

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CITY OF FARMINGTON
ELECTRIC UTILITY SYSTEM

DRAWN BY
J. BLUEHOUSE
06/20/17

CHECKED BY
LUWIL

APPROVED BY
J. ARMENTA

PASA-8
“EXHIBIT B”

APPLICATION FOR JOINT POLE ATTACHMENT PERMIT ON 
FARMINGTON ELECTRIC UTILITY SYSTEM POLES

Permit #____________________

Name of attacher requesting permit:________________________________________

Address __________________________ City __________________________ State ______ Zip Code ______

Contact Phone No __________________________ E-mail __________________________

In accordance with the terms of the signed Agreement with the Farmington Electric Utility System, this permit application requests permission to attach and maintain communication equipment upon certain poles as more particularly described and delineated on the attached map and diagram with pole numbers for each pole.

Location Address __________________________

First pole # ______________ Last pole # ______________

Total poles requested on this application ______________ Line size/type __________________________

Estimated construction days required for completion __________________________

By __________________________ Signature __________________________

Title __________________________

Date __________________________

Permission is hereby granted to place equipment on the identified poles, subject to receiving authorization to make the changes and rearrangements detailed on the attached make-ready report at your sole risk and expense.

Farmington Electric Utility System

By __________________________ Signature __________________________

Title __________________________

Approval Date __________________________

This permit is valid for a period of 6 months after approval date.

Charges for new pole attachments will be calculated at the existing contract rate, and prorated for the number of months attachments were in place during the current License Year (January 1 - December 31). These charges will be included on the next annual invoice for the upcoming License Year.
# CONTACTS for TRANSFERS/REMOVALS OF JOINT POLE ATTACHMENTS

(updated 07/06/17)

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**WF #:** OR **Maintenance:**

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**GPS Coordinates:**

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<th>Name</th>
<th>Contact Name</th>
<th>Contact Phone #</th>
<th>Email</th>
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<tbody>
<tr>
<td>Abe's Motel</td>
<td>Jay Walden</td>
<td>505-632-2194</td>
<td><a href="mailto:abes1958@earthlink.net">abes1958@earthlink.net</a></td>
<td></td>
</tr>
<tr>
<td>Navajo Mine North American Coal Bisti Fuels</td>
<td>Andy Hawkins</td>
<td>505-588-2892</td>
<td><a href="mailto:andy.hawkins@nacoal.com">andy.hawkins@nacoal.com</a></td>
<td></td>
</tr>
<tr>
<td>Bloomfield Schools</td>
<td>Russell Florez</td>
<td>505-632-4336</td>
<td><a href="mailto:rflorez@bsn.k12.nm.us">rflorez@bsn.k12.nm.us</a></td>
<td></td>
</tr>
<tr>
<td>City of Bloomfield</td>
<td>Jerri Carle</td>
<td>505-258-8408</td>
<td><a href="mailto:jcarle@bloomfieldnm.net">jcarle@bloomfieldnm.net</a></td>
<td></td>
</tr>
<tr>
<td>Brainstorm Internet</td>
<td>Scott Guile</td>
<td>970-247-2500</td>
<td><a href="mailto:support@gobrainstorm.net">support@gobrainstorm.net</a></td>
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</tr>
<tr>
<td>Cedar Networks</td>
<td>Julie Einfalt</td>
<td>970-403-0108</td>
<td><a href="mailto:jeinfalt@cedarnetworks.com">jeinfalt@cedarnetworks.com</a></td>
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<tr>
<td>Central Consolidated Schools</td>
<td>Rick Nussbaum</td>
<td>505-598-3699</td>
<td><a href="mailto:nuss@centralsschools.org">nuss@centralsschools.org</a></td>
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</tr>
<tr>
<td>CenturyLink/Qwest</td>
<td>Laurence Joe</td>
<td>505-325-2311</td>
<td><a href="mailto:laurence.joe@centurylink.com">laurence.joe@centurylink.com</a></td>
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</tr>
<tr>
<td>Childhaven</td>
<td>Erin Hourihan</td>
<td>505-325-5356</td>
<td><a href="mailto:ehourihan@childhavennm.org">ehourihan@childhavennm.org</a></td>
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<td>Comcast/TCI/Cable Com LLC</td>
<td>Dave Aikin</td>
<td>505-780-1348</td>
<td><a href="mailto:david_aikin@cable.comcast.com">david_aikin@cable.comcast.com</a></td>
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</tr>
<tr>
<td>DB Technology</td>
<td>Scott Stowell</td>
<td>505-320-9904</td>
<td><a href="mailto:scottstowell@dbtech.com">scottstowell@dbtech.com</a></td>
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<tr>
<td>E-Lucyce Inc/Diginet</td>
<td>Scott O'Neal</td>
<td>505-324-8014</td>
<td><a href="mailto:scootb@digi.net">scootb@digi.net</a></td>
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<tr>
<td>Economy Inn</td>
<td>Jay Patel</td>
<td>505-326-6614</td>
<td><a href="mailto:ecofarm18@yahoo.com">ecofarm18@yahoo.com</a></td>
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<tr>
<td>Farmington Schools</td>
<td>Charles Thacker</td>
<td>505-599-8820</td>
<td><a href="mailto:cthacker@fms.k12.nm.us">cthacker@fms.k12.nm.us</a></td>
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<tr>
<td>FastTrack/TCT/ReaNet</td>
<td>Kelly Hebbard</td>
<td>970-828-1005</td>
<td><a href="mailto:khebbard@fasttrackcomm.net">khebbard@fasttrackcomm.net</a></td>
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<tr>
<td>Hi-Country Buick GMC</td>
<td>Aisha Stoner</td>
<td>407-252-5557</td>
<td><a href="mailto:aisha.stoner@hicountryautogroup.com">aisha.stoner@hicountryautogroup.com</a></td>
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<tr>
<td>Hi-Country Chevrolet</td>
<td>Aisha Stoner</td>
<td>407-252-5557</td>
<td><a href="mailto:aisha.stoner@hicountryautogroup.com">aisha.stoner@hicountryautogroup.com</a></td>
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<tr>
<td>Jack D. Cook Inc</td>
<td>Kurt Cook</td>
<td>505-325-1885</td>
<td><a href="mailto:505kurt@gmail.com">505kurt@gmail.com</a></td>
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<tr>
<td>Mid-America/Enterprise</td>
<td>Rick Cavaness</td>
<td>505-599-2279</td>
<td><a href="mailto:fcavaness@eprod.com">fcavaness@eprod.com</a></td>
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<tr>
<td>NTUA</td>
<td>Walter Haase</td>
<td>928-729-5721</td>
<td><a href="mailto:generalmanager@ntua.com">generalmanager@ntua.com</a></td>
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<tr>
<td>Online Info/Advantas Int</td>
<td>Jim Davis</td>
<td>505-847-0072</td>
<td><a href="mailto:jim@advantas.net">jim@advantas.net</a></td>
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<tr>
<td>Sacred Wind Communications</td>
<td>Neo Nicolaou</td>
<td>505-908-2699</td>
<td><a href="mailto:nicolaou@sacred-wind.com">nicolaou@sacred-wind.com</a></td>
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<tr>
<td>San Juan College</td>
<td>Randall Keeswood</td>
<td>505-566-3275</td>
<td><a href="mailto:keeswood@sanjuancollege.edu">keeswood@sanjuancollege.edu</a></td>
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<tr>
<td>San Juan County</td>
<td>Keith Lund</td>
<td>505-334-4293</td>
<td><a href="mailto:klund@sjcounty.net">klund@sjcounty.net</a></td>
<td></td>
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<tr>
<td>TEPPCO</td>
<td>Blair Armstrong</td>
<td>505-320-9677</td>
<td><a href="mailto:lbarmstrong@eprod.com">lbarmstrong@eprod.com</a></td>
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<tr>
<td>Tri-State/Pathnet</td>
<td>Steve Gray</td>
<td>303-254-3649</td>
<td><a href="mailto:dgray@tristategt.org">dgray@tristategt.org</a></td>
<td></td>
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<tr>
<td>Webb Automotive Group</td>
<td>Perry Webb</td>
<td>505-325-1911</td>
<td><a href="mailto:perry.max@webbauto.net">perry.max@webbauto.net</a></td>
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**Dark Fiber Leasees (FEUS Line):**

<table>
<thead>
<tr>
<th>Name</th>
<th>Contact Name</th>
<th>Contact Phone #</th>
<th>Email</th>
</tr>
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<tbody>
<tr>
<td>Cedar Networks</td>
<td>Jeff Fink</td>
<td>970-426-4400</td>
<td><a href="mailto:jfink@cedarnetworks.com">jfink@cedarnetworks.com</a></td>
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<td><a href="mailto:klund@sjcounty.net">klund@sjcounty.net</a></td>
</tr>
<tr>
<td>SJ Communication Authority</td>
<td>David Ripley</td>
<td>505-334-6800</td>
<td><a href="mailto:dripley@sjcounty911.net">dripley@sjcounty911.net</a></td>
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**Notes:**

24