EXHIBIT 9

June 25, 2014

Glenda Mills
Cox Communications
1700 Vegas Drive
Las Vegas, Nevada 89106

Re: Joint Use License Application Requirements
Pole Attachment Agreement # (PAC1001)

Dear Ms. Mills,

NV Energy has appreciated the several opportunities to meet with you and the Cox Communications' (Cox) team to discuss ways in which NV Energy and Cox can move the pole attachment application process forward and still meet each company's goals and expectations. NV Energy, as it has expressed, ultimately expects that its electric distribution system produce safe and reliable power to its customers. We also know that Cox aims to provide the best service to its customers.

NV Energy has considered the comments and suggestions received from Cox, including Cox's assertions that NV Energy is not providing equal access for Cox to its distribution poles, with the focus on NV Energy's agreement(s) with Century Link. NV Energy, while disagreeing with this assertion, has revised its pole attachment application process with what is identified as the Joint Use License Application Requirements (attached) to the operative pole attachment agreement between Cox and NV Energy. You will note that NV Energy is continuing with its client driven process, requiring Cox, the Applicant, to perform the structural engineering aspect of distribution pole attachment licensing. However, the requirement of obtaining a Professional Engineering stamp has been removed, which removes any and all perceived discrepancies in the requirements for Century Link to apply for attachment to NV Energy poles, and the requirements for Cox or any other competitive local exchange carrier to apply for attachment to NV Energy poles.

This change in process does not eliminate Cox's responsibility to ensure the structural integrity and NESC compliance of its company's proposed attachment(s) to NV Energy infrastructure.

Pursuant to NV Energy's pole attachment application requirements, NV Energy requires all entities seeking to attach to its distribution poles to ensure they have performed a complete structural analysis on each particular pole in compliance with all of the standards set forth in NV Energy's Joint Use Attachment License Application Requirements. This analysis is vital to maintaining a safe and reliable infrastructure.

By submitting the license application, you represent and warrant that you have met the contractual obligations of your Pole Attachment Agreement and are thereby affirming you performed a complete structural analysis of the effects of the proposed attachment(s) to NV

Energy poles and have reached the conclusion that said poles will adequately and safely support such proposed attachment(s) pursuant to applicable engineering standards.

The engineering review of transmission structure attachment applications will remain with the NV Energy Transmission Engineering Department.

Sincerely,

Patricia Ortwein
Manager, Rule 9 Contract and Joint Use Administration

Cc: Colin Harlow
Tracy Brecke
Larry Luna
Elmer Herndon
Tania Jarquin

Attachment:
Joint Use License Application Requirements

NV ENERGY JOINT USE LICENSE APPLICATION REQUIREMENTS

Distribution Applications

To ensure the integrity of NV Energy's overhead plant, Applicant must assure itself that each Distribution pole in the application will have adequate strength to support the addition of Applicant's facilities. The information below shall serve as a guide to Applicant for completing its own structural analysis, but this information does not need to be submitted to NV Energy. The Applicant must still provide their proposed attachment details as requesting in the license application (cable specifications, height of attachment, make-ready solutions, etc.).

- Gather all pole data related to performing a complete structural analysis for each pole. This includes field information for facilities in the power space and communications space, alike. See ***Appendix A*** for a detailed list of the pole data requirements.
- Determine conventional, industry recognized make-ready solutions for facilities in both the power space and communications space. Compliance with all applicable NESC standards and clearances must be maintained at all times. Applicant is encouraged to favor the common, power space make-ready solutions listed in ***Appendix B***, as doing so will facilitate acceptance by NV Energy and speed cost estimation. ***Appendix C*** lists anchor and down-guy sharing guidelines to assist in the make-ready determinations.
- Perform structural analysis calculations for each pole in the application following all applicable standards outlined in the latest NESC edition. Load analyses must reflect make-ready solutions, apply overload and strength reduction factors for Grade B construction, and include calculations and results specifying "pass" or "fail" for:
    - Overturning moment of the pole at ground line
    - Down-guy strengths [***Appendix D*** lists typical guy wire sizes and guy strengths used by NV Energy. ***Appendices E and F*** list typical working strengths for NV Energy conductors used in Northern and Southern Nevada, respectively.]
    - Buckling using the Euler Method (for anchored poles and as necessary for tangent poles)

  The analyses must also include verification of the following:
    - Summation of down-guy tensions does not exceed the ultimate holding strength of the anchor(s). ***Appendices G and H*** list typical holding strengths for NV Energy anchors used in Northern Nevada and Southern Nevada, respectively. Also, see ***Appendix C*** for anchor and down-guy sharing guidelines.

  See ***Appendix I*** for a sample distribution report showing pole data, make-ready notes, and structural analysis reports.

Transmission Applications

NV Energy will perform the structural analysis for each Transmission pole in the application. For these applications, it is the Applicant's responsibility to:

- Gather all pole data related to performing a complete structural analysis for each pole. This includes field information for facilities in the power space and communications space, alike. See ***Appendix A (page 3)*** for a detailed list of the pole data requirements.
- Determine conventional, industry recognized make-ready solutions for facilities in both the power space and communications space. Compliance with all applicable NESC standards and clearances must be maintained at all times. Applicant is encouraged to favor the common, power space make-ready solutions listed in ***Appendix B (page 6)***, as doing so will facilitate acceptance by NV Energy and speed cost estimation. ***Appendix C*** lists anchor and down-guy sharing guidelines to assist in the make-ready determinations.
- Submit all pole data and make-ready solutions to be used by NV Energy in the analysis. This information is subject to verification by NV Energy (see ***Audit Process*** below for more details). ***Appendix J*** shows a sample template for submitting the pole data and make-ready notes.

EXCEPTIONS: An application is not needed for RISER ONLY installations, but if there are any cable storage attachments associated with the riser then an application must be submitted describing the length, size, and location of the attachments.

Audit Process

The validity of the information submitted in the application is subject to verification by NV Energy. If the application is found to contain pervasive errors or omissions, then the application will be rejected and returned to the Application with a brief explanation as to the nature of the denial. The explanation will be sufficient to guide the Applicant in their corrections; however, detailed information will not be provided as the Applicant is responsible for the quality assurance of its submissions. Applicant is advised that rejected applications will constitute an increase in the auditing frequency, which may cause processing delays for future submissions.

Appendix A

Pole Data Requirements

Applicant must collect the following information for each pole in the application:

- Pole Information
  - Route map
    - Show pole locations in relationship to streets, roads, and other geographical landmarks
    - Pole data list in application shall match and be in the same order as those appearing in the map
  - Pole number
  - Pole type (Transmission, Distribution, Wood, Steel)
    - For wood poles, wood species (e.g. Western Red Cedar, Douglas Fir, etc.)
    - For steel poles, data on name plate (welded ~ 5′ above ground)
  - Pole length*
  - Height of top of pole* *(feet and inches)*
  - Pole class
  - Ground line circumference *(inches)*
  - Pictures of pole
    - Provide a minimum of one picture showing pole from ground line to top that can be utilized to scale attachment and equipment locations on pole
- Existing Attachment Information (for ALL attachments on pole, NVE and 3rd Party)
  - Cable Information
    - Size
      1. For 3rd Party Lines, specify the Owner and the Effective (cable + strand) Bundle Diameter (e.g. "TEL 1 inch overall diameter")
    - Span lengths, ahead and back *(feet)*
    - Attachment height* *(feet and inches)*
    - Direction of attachment**
  - Riser Information
      1. Riser thickness out from face of pole (e.g. "3 inch u-guard")
      2. Distance from grade to the top of riser* *(feet and inches)*
      3. Location on pole**
  - Equipment Information
    - NVE Equipment
      1. Type and Name (e.g. "75 KVA transformer number HHH1234")
      2. Distance from grade to the top of equipment* *(feet and inches)*
      3. Location on pole**
    - 3rd Party Equipment
      1. Owner and Type (e.g. "CATV Splice Can")
      2. Dimensions: length, width, and height *(inches)*
      3. Distance from grade to the top of equipment *(feet and inches)*
      4. Location on pole**

***All measurements above the communications space must be made by remote means, such as optical surveying or laser range finding. In <u>no event</u> shall mechanical devices, such as measuring sticks, be used to collect power space data. Applicant is expected to follow these guidelines. NV Energy will not be held responsible for the acts or omissions of Applicant in completing its survey. Applicant proceeds in its survey assuming all risks of injury, death, or other damages.**
****Use compass directions: North (N)= 0° or 360°, Northeast (NE)= 45°, East (E)= 90°, Southeast (SE)= 135°, South (S)= 180°, Southwest (SW)= 225°, West (W)= 270°, Northwest (NW)= 315°**

Continued from previous page:

- Existing Anchor/Guying Information (for all guys/anchors, NVE and 3rd Party)
    - D-guy diameter *(inches)*
    - Height of D-guy attachment* *(feet and inches)*
    - Lead from pole to anchor *(feet and inches)*
    - Direction of D-guy lead**
    - Anchor rod diameter *(inches)*
- Proposed Attachment and Additional Attachment (Overlash) Information
    - Cable Information
        - Effective (cable + strand) bundle diameter *(inches)*
        - Weight *(lb/ft)*
        - Total line tension under NESC loading conditions *(lbs)*
            1. For Southern Nevada (NESC Light Loading District) these are 30 deg Fahrenheit with no ice and a 9 # wind load
            2. For Northern Nevada (NESC Medium Loading District) these are 15 deg Fahrenheit with ¼" radial ice and a 4 # wind load
        - Attachment height *(feet and inches)*
        - Direction of attachment**
    - Equipment Information
        - Total "projected area" of the equipment *(square feet)*
        - Distance from grade to the top of equipment *(feet and inches)*
        - Location on pole**
    - Riser Information
        - Riser thickness out from face of pole (e.g. "3 inch u-guard")
        - Distance from grade to the top of riser *(feet and inches)*
        - Location on pole**
- Anchoring-Guying Information (for each proposed guy and anchor)
    - D-guy diameter *(inches)*
    - Height of D-guy attachment *(feet and inches)*
    - Lead from pole to anchor *(feet and inches)*
    - Direction of D-guy lead**
    - Anchor Assembly (e.g. "24 inch plate, 1 inch rod triple eye")

***All measurements above the communications space must be made by remote means, such as optical surveying or laser range finding. In <u>no event</u> shall mechanical devices, such as measuring sticks, be used to collect power space data. Applicant is expected to follow these guidelines. NV Energy will not be held responsible for the acts or omissions of Applicant in completing its survey. Applicant proceeds in its survey assuming all risks of injury, death, or other damages.**
****Use compass directions: North (N)= 0° or 360°, Northeast (NE)= 45°, East (E)= 90°, Southeast (SE)= 135°, South (S)= 180°, Southwest (SW)= 225°, West (W)= 270°, Northwest (NW)= 315°**

Appendix B

Common Make-Ready Solutions

Common NV Energy Make-Ready Solutions for Telecom Attachments:

General Pole Issues

-Reframe 3 phase Delta Primary [tangent] to a horizontal configuration with Neutral and phases up on arm.

Primary on Pole

-Move [tangent] power Neutral higher up on pole without need of other power facilities reframing.

+ Move transformer higher up on pole.
+ Move fused cut-out assembly higher up on pole.

Secondary on Pole

-Move up Secondary power [triplex] dead-end.

-Fold up and tape in-place Secondary drip loops [to increase separation above communications attachment].

Primary in Span

-Re-sag Primary and Neutral to achieve increased separation from communications cables below. (30" radial separation needed)

Secondary in Span

-Retire open Secondary and replace with triplex, including replacement of 3-spool rack with single dead-end spool, shackle & eyebolt.

-Retire/remove abandoned span of secondary.

-Re-sag Secondary to achieve increased separation from communications cables below. (30" radial separation needed)

Risers

-Extend/add U-guard over Secondary riser cable.

+ If possible, splice and extend Secondary riser cable to allow such upward extension of U-guard cover below transformer, drip loops, etc.
+ Otherwise, change-out secondary riser cable to allow such upward extension of U-guard cover below new splice connectors, transformer, etc.

Grounding

-Replace/reattach lower [6'-10'] segment of pole ground wire [stolen] and cover with ¾" WOOD U-guard, heavily stapled to pole.

Anchoring & Down Guys

-Install NVE spec plate anchor w 3-knuckle eye [in open ground].

+ Pull up sidewalk slab and then repour.
+ Relocate down-guy(s) to new anchor.

-Re-tension down guy(s).

Note:

- ***Highlighted items usually occur together***
- ***Cost estimates are available for these items; however, Applicant Purchase Orders must commit to payment of ACTUAL NV Energy cost incurred, not the estimated values.***
- ***Applicant is in no way restricted to these make-ready options. Other make-ready solutions may be appropriate but will require a specific design and cost estimate.***

Appendix C

Anchor & Down-Guy Sharing Guidelines

Anchor Guidelines:

To minimize repeated disruption of NV Energy and public infrastructure, NV Energy reserves the right to require installation of anchors with holding strength in excess of that needed for Applicant's attachments alone. All new anchor installations shall be of current NV Energy standard specification [3-knuckle eye, 1"x10' rod, 24" plate] absent specific NV Energy authorization to the contrary. NV Energy authorization for lesser capacity anchors shall not be unreasonably withheld for those locations where it is unlikely that other users will request attachment space in the future, and where there is no significant risk of undermining adjacent anchor installations or necessity of demolishing and reconstructing paved surfaces.

Down-Guy Sharing Guidelines:

Telecommunications down-guy load sharing through strand upgrade and rearrangement of existing down-guy attachments on the pole will be approved subject to case specific, documented, engineering design, and concurrence among the affected telecommunications users. Installation of more than 4 telecommunications down-guys or more than two anchors in any lead is to be avoided, as is the use of bolt-on auxiliary anchor eyes. However, NV Energy approval of such will not be unreasonably withheld.

Appendix D

Typical Guy Wire Sizes and Guy Strengths used by NV Energy

NORTHERN NEVADA	
Guy Wire Size*	**Strength** (lb)**
3/8" EHS Zinc Coated	13,860
3/8" EHS	13,860
1/2" EHS	24,210
*Older installations may have used ¼" EHS and 5/16" EHS (90% of Rated Breaking Strength=5,985 lb, and 10,080 lb), but these are no longer used and should not be proposed as part of make-ready solutions.	
**90% of Rated Breaking Strength	

SOUTHERN NEVADA	
Guy Wire Size	**Strength* (lb)**
1/4"EHS	5,985
5/16" EHS	10,080
7/16" EHS	18,720
9/16" EHS	31,500
*90% of Rated Breaking Strength	

***Note**: These values are only approximations and will vary based on field conditions. The Applicant's Engineer is responsible for determining the appropriate guy strengths for their analyses.*

Appendix E

Typical Working Strengths for NV Energy Conductors (Northern Nevada)

Conductor Strengths			
Conductor AWG or KCMIL	Code Name	Breaking Strength (lbs.)	Working Strength (lbs)
Primary Conductors			
#2 ACSR	Sparrow	2,850	1,425
1/0 ACSR	Raven	4,380	2,190
2/0 AA	Aster	2,510	1,255
2/0 ACSR	Quail	5,310	2,655
4/0 AA	Oxlip	3,830	1,915
4/0 ACSR	Penguin	8,350	4,175
397.5 AA	Canna	7,110	3,555
397.5 ACSR	Ibis	16,300	8,150
477 ACSR	Hawk	19,430	9,715
636 AA	Orchid	11,400	5,700
636 ACSR	Grosbeak	25,200	12,600
795 AA	Arbutus	13,900	6,950
Secondary Conductors			
#2 TRIPLEX	Cockle	1,860	930
#2 QUADRUPLEX	Palomino	2,850	1,425
2/0 TRIPLEX	Clio	3,550	1,775
2/0 TRIPLEX	Runcina	5,310	2,655
2/0 QUADRUPLEX	Grullo	5,310	2,655
4/0 TRIPLEX	Zuzara	8,350	4,175
4/0 QUADRUPLEX	Appaloosa	8,350	4,175

***Note**: These values are only approximations and will vary based on field conditions. The Applicant's Engineer is responsible for determining the appropriate working strengths for their analyses.*

Appendix F

Typical Working Strengths for NV Energy Conductors (Southern Nevada)

SHORT SPAN
225' ruling Span – 300' max

LONG SPAN
(a) 350' Ruling Span – 550' max
(b) 500' ruling Span – 625' max
(c) 800' ruling span – 1000' max

Total Line Tension Under Maximum Loading Conditions

Type and Size of Conductors			NESC Light Loading District						
			Short Span				Long Span (a)		
			Number of Conductors						
			1	2	3	4	1	2	3
Bare Primary Conductors	ACSR	4	282	564	846		603	1,206	1,809
		2	397	794	1,191		822	1,644	2,466
		2/0	1,355 (a)	2,710	4,065		1,355	2,710	4,065
		4/0	1,000	2,000	3,000		2,500	5,000	7,500
		336.4	1,470	2,940	4,410		3,850	7,700	11,550
		477	1,965	3,930	5,895		5,250	10,500	15,750
		636					6,963 (b)	13,926	20,888 (b)
		9000					9,000 (c)	18,000 (c)	27,000 (c)
	AA	2	460	920	1,380				
		2/0	565	1,130	1,695				
		4/0	811	1,622	2,433		1,060	2,120	3,180
		336.4	1,165	2,330	3,495		1,450	2,900	4,350
		477	1,540	3,080	4,620		1,865	3,730	5,595
		*556.5	*3,390	6,780	10,170				
		636	2,204	4,408	6,612		2,310	4,620	6,930
		*715.5	*2,401	4,802	7,203		*3,110	6,220	9,330
		954	3,068	6,136	9,204		6,509 (b)	13,118 (b)	19,527 (b)
	CU	6	275	550	825		520	1,040	1,560
		4	420	840	1,260		880	1,760	2,640
		2	625	1,250	1,875		1,130	2,260	3,390
		2/0	1,180	2,360	3,540		2,030	4,060	6,090
		4/0	1,825	3,650	5,475		3,000	6,000	9,000
Secondary Conductors	Multiplex	4			585	826			
		2			774	1,098			
		2/0			1,507	1,872			
		4/0			1,803	2,645			

* Formerly C.P. National: Henderson & Laughlin Service Areas

***Note**: These values are only approximations and will vary based on field conditions. The Applicant's Engineer is responsible for determining the appropriate working strengths for their analyses.*

Appendix G

Typical Holding Strengths for NV Energy Anchors (Northern Nevada)

TABLE 1 ANCHOR ROD STRENGTHS		
Rod Size	Breaking Strength	Working Strength
1" x 7'	36,000	18,000
1" x 8'	36,000	18,000

TABLE 2 ANCHOR HOLDING POWER					
Anchor @ 7'-0" Depth	Soil Type Classification*				
	1 thru 3	4	5	6	7
Expanding 12" – 8 Way w/ 1 ¼" Rod	20,000	17,000	13,250	10,750	8,000
Crossplate 20" w/ 1" Rod	17,000	14,500	12,000	9,500	7,000
Crossplate 24" w/ 1" Rod	22,500	18,500	15,000	11,750	9,000
Rock ¾" x 30" No Rod Required	11,500	N/A	N/A	N/A	N/A
Rock 1" x 53" No Rod Required	18,000	N/A	N/A	N/A	N/A
* For Soil Classification Descriptions, Refer To Table 4					

Note:

- ***These values are only approximations and will vary based on field conditions. The Applicant's Engineer is responsible for determining the appropriate holding strengths for their anchor analyses.***
- ***New installations utilize helix anchors, but older installations may have utilized cross plate, rock anchors, or other types.***

TABLE 3-A MID-STRENGTH SCREW ANCHORS				
Installing Torque	Shear Pins Required	Twin 4" Helices	Twin 8" Helices	Twin 10" Helices
1,500	3	*	18,000	18,000
2,000	4	*	20,000	20,000
3,000	6	26,000	26,000	26,000
4,000	8	33,000	33,000	33,000
5,000	10	36,000	36,000	36,000
6,000	12	36,000	36,000	36,000
* Do Not Use This Anchor At This Torque				

The above screw anchors are used with 7' x 1" galvanized steel rod with a triple strand-eye nut. 3-½' x 1" rod extensions with couplings are used to set anchors deeper.

Anchor holding power of 36,000 pounds is limited only by minimum yield strength of the 1" anchored rod.

TABLE 3-B HIGH-STRENGTH SCREW ANCHORS						
Installing Torque	Shear Pins Required	6" Helix	8" Helix	10" Helix	12" Helix	14" Helix
1,500	3	*	11,500	12,500	16,000	16,000
2,000	4	*	14,000	15,000	20,000	20,000
3,000	6	18,500	20,000	22,500	24,000	24,000
4,000	8	25,000	27,000	28,000	30,000	30,000
4,500	9	28,000	29,000	32,000	33,000	33,000
5,000	10	31,000	32,000	34,000	36,000	36,000
5,500	11	35,000	36,000	36,000	*	*
6,000	12	36,000	*	*	*	*
* Do Not Use This Size Anchor At This Torque						

Note:

- ***These values are only approximations and will vary based on field conditions. The Applicant's Engineer is responsible for determining the appropriate holding strengths for their anchor analyses.***
- ***New installations utilize helix anchors, but older installations may have utilized cross plate, rock anchors, or other types.***

TABLE 4 SOIL CLASSIFICATIONS		
Class	Usual Consistency	Possible Soil Characteristics or Composition
1	Solid	Hard Rock
2	Solid or In Layers	Laminated Rock, Shale, Sandstone, Slate
3	Hard, Dry	Hard Pan, Broken Bedrock, Compact Clay-Gravel Mixture
4	Crumbly, Damp	Clay Pan, Compact Sand-Gravel Mixture
5	Firm, Moist	Firm Clay, Loose Sand-Gravel Mixture, Compact Coarse Sand
6	Plastic, Wet	Soft Plastic Clay, Clayey Silt, Loose Coarse Sand, Compact Fine Sand. Areas Seasonally Wet And Usually Fairly Flat
7	Loose Dry or Loose Wet	Wet Clay, Silt, Mud, Loose Fine Sand
8	Marshy	Marshes And Swamps. Install Anchor Deep Enough To Penetrate Class 5, 6, Or 7 Soils.

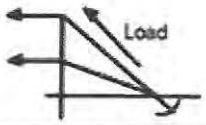
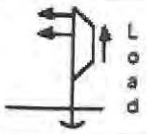
TABLE 5 STRUT SELECTION CHART			
Total Pull (Ps) Exerted On Pole (lbs.)	Length of Strut	I.D. Size Of Strut	
		2"	2½"
Under 6,000	6' - 12'	X	
6,000 - 8,000	6' - 10'	X	
	10' - 12'		X
8,000 - 10,000	6' - 8'	X	
	8' - 12'		X
10,000 - 12,000	6' - 8'	X	
	8' - 12'		X

Note:

- ***These values are only approximations and will vary based on field conditions. The Applicant's Engineer is responsible for determining the appropriate holding strengths for their anchor analyses.***
- ***New installations utilize helix anchors, but older installations may have utilized cross plate, rock anchors, or other types.***

Appendix H

Typical Holding Strengths for NV Energy Anchors (Southern Nevada)

Ultimate Holding Strength of Anchors and Strut Guys in Pounds						
Soil Classification						Owner
	Anchor Assembly			Sidewalk	Strut-Guy	
	1 16" plate, 3/4" or 5/8" rod twin eye	2* 20" plate, 3/4" CW rod twin eye	3 24" plate, 1" rod triple eye	24" plate, 1" rod triple eye	24" plate, 1" rod	
3 HARD PAN Dry, requires use of a digging bar; dense clayey sands & gravel hard silts & clays	12,000	15,900	27,000	27,000	4,440	NVE
	8,000	10,600	18,800	18,800	2,960	Century Link
	20,000 (16,000)**	26,500	45,000 (36,000)**	45,000 (36,000)**	***7,400	Not joint use
5 AVG. FIRM Predominant type in L.V.; md dense coarse sand, sandy gravels stiff silts & clays	12,000	15,900	21,000	21,000	4,440	NVE
	8,000	10,600	14,000	14,000	2,960	Century Link
	20,000 (16,000)**	26,500	35,000	35,000	***7,400	Not joint use
7 LOOSE DRY Loose, fine sand & gravel; lack of clay or bonding material	6,600	8,400	11,400	11,400	4,400	NVE
	4,400	5,600	7,600	7,600	2,960	Century Link
	11,000	14,000	19,000	19,000	***7,400	Not joint use

***Anchor size no longer used, but may be encountered in the field.**
****Limiting factor: Rated breaking strength of galvanized anchor eyes used with CU plated (CW) rods prior to 96.**
*****Limiting factor: Rated breaking strength of struts. Use of strut guys is generally not recommended as they only keep the pole (class 3 max.) straight and do not add to the strength of the pole.**

Note:

- ***Joint use anchor holding strength allocation: NVE – 60%, Century Link – 40%.***
- ***These values are only approximations and will vary based on field conditions. The Applicant's Engineer is responsible for determining the appropriate holding strengths for their anchor analyses.***

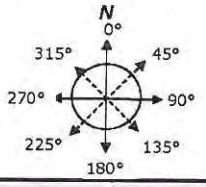
Appendix I

Distribution Sample Report

NVEnergy

Pole Inspection Sheet

Pole # in Field	P12345
Class	4
Length	40
Wood	Western Ponderosa Pine
GL Circum	42"
Type	Distribution



Pole # in License	P12345
Date	6/7/2012
Job Name	CATV Attachment
Location	ABC Street and XYZ Way

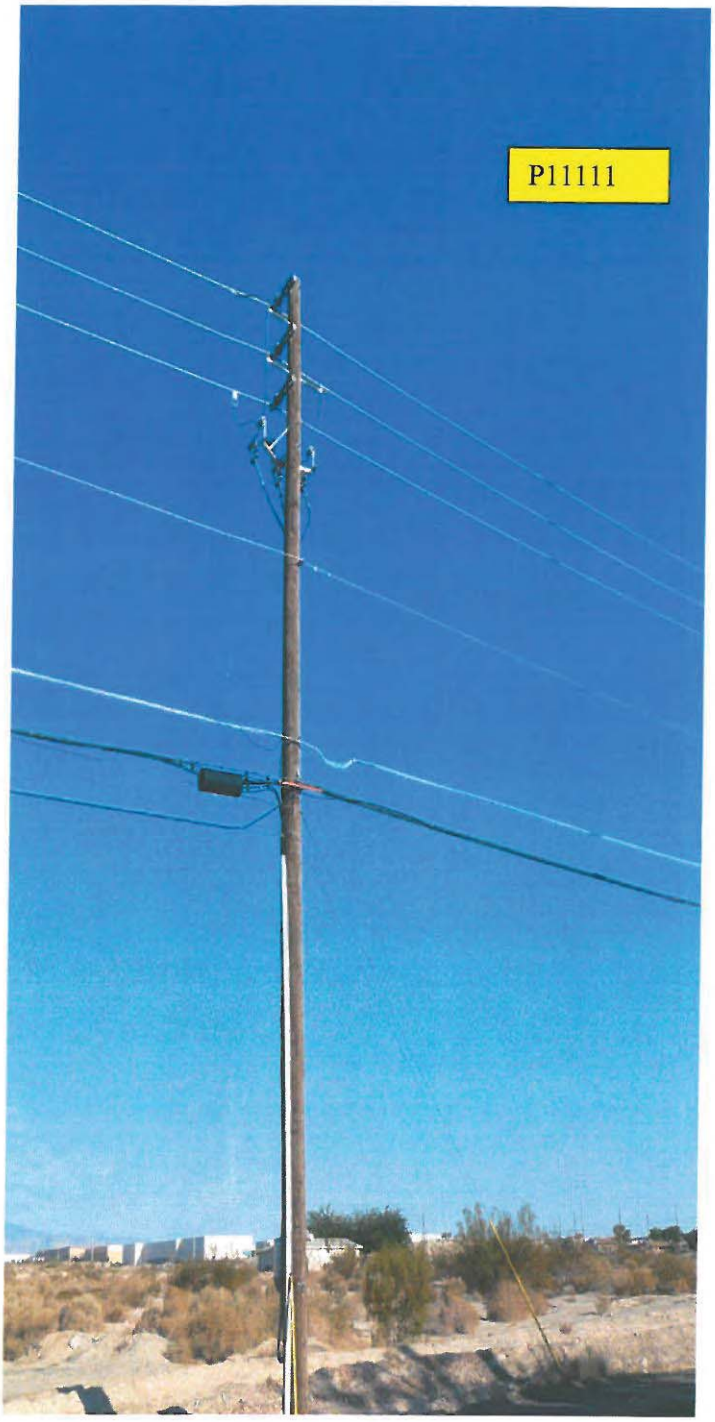
Guy #	Entity	Attachments					Span Length		Direction		Bundle diameter
		Type	# of wires	Size	Height		Ahead	Back	Ahead	Back	
					ft	in	ft	ft	deg	deg	in
				Top of Pole	32	11					
	NVE	Pri- Tri	3	954 aa	32	4	158'	182'	270°	90°	
1	NVE	Pri- 1 Ø	1	#4 acsr	30	11	155'		0°		
	NVE	2Ø Cutout Brkt		1/0 ug	27	8			270°		
	NVE	Riser		4" u-guard	25	6			45°		
	NVE	Pri- neut	1	#4 acsr	24	5	155'		0°		
	NVE	Pri- neut	1	2/0 acsr	24	5	158'	182'	270°	90°	
	NVE	Sec- svc	1	#4 triplex	24	5	158'		270°		
	NVE	Pal light			23	7			0°		
	COM	3 bolt		5/16"ehs, 144ct	19	0	158'	182'	270°	90°	1.06"
	CATV	3 bolt		1/4 ehs, 2-750cx, 48ct	18	0	158'	182'	270°	90°	1.50"
2	CATV	DE		1/4"ehs, 500cx	18	0	155'		0°		0.75"
	CATV	Proposed		ADD 48ct	18	0	155'		0°		0.98"
	CATV	Riser		2" u-guard	17	0				135°	
	TEL	3 bolt		5/16"ehs, 2.50"cu	14	5	158'	182'	270°	90°	2.82"

Entity	Equipment							Make-Ready Notes (Communications Space)
	Type	Description	Dimensions		Height		Location	
			in	in	ft	in	deg	
CATV	LE	-	12	8	18	0	270°	Extend CATV riser, trim trees off CATV midspan, reframe CATV.

Guy #	Entity	Guy Size	Anchor							Make-Ready Notes (Power Space)
			#	Size & Description	Location	Height		Lead		
					deg	ft	in	ft	in	
1	NVE	5/16"	1	3 eye, 1" rod	180°	30	11	20	0	
2	CATV	5/16"	1	3 eye, 1" rod	180°	18	0	20	0	

Additional Comments:

See attached for picture of pole.


P11111

LICENSEE: [redacted]
APPLICATION: [redacted]
MAP NUMBER: **1 THRU 10**

JOB DETAIL (MAKE READY) WORK SHEET

PREPARED BY: [redacted]
CONTACT #: [redacted]
FIELDED BY: CRA
DATA ENTRY: CRA

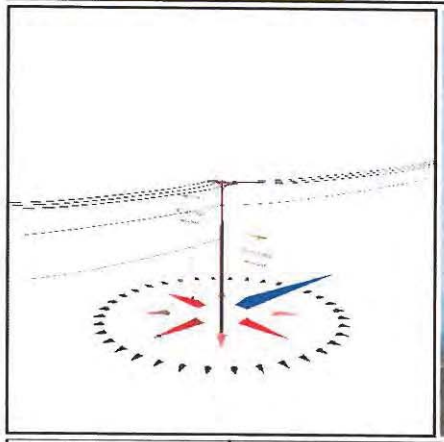
POLE NUMBER	LEAD CODE / MAX GR / POLE ID	LOCATION	POWER WORK	CATV WORK	TELCO WORK	OTHER WORK	OWNER			
							PWR	TEL		CATV
17	273798 45	39 DEG 7.469' N 119 DEG 47.570' W	PRI = 29' 0". 3/8" DG TO 5/8" ANC 19' S. 3/8" DG TO 5/8" ANC 19' S. *POWER FAILS WIND LOAD.*	**ATTACH CATV @ HOA 23' 0".** **PL 1/4" DG TO NEW 5/8" ANC 15' S. P=16. PL GUY GUARD.**			X			
18	36945 40	39 DEG 7.472' N 119 DEG 47.677' W	PRI = 26' 0".	**ATTACH CATV @ HOA 21' 0".** *CATV FAILS WIND LOAD.*			X			
19	36946 40	39 DEG 7.475' N 119 DEG 47.766' W	PRI = 24' 0".	**ATTACH CATV @ HOA 20' 6".**			X			
20	36947 40	39 DEG 7.477' N 119 DEG 47.807' W	PRI = 23' 0".	**ATTACH CATV @ HOA 19' 6".**			X			
21	36948 40	39 DEG 7.479' N 119 DEG 47.891' W	PRI = 25' 6". EXISTING POLE TOP EXTENSION. TOP OF POLE = 31' 0".	**ATTACH CATV @ HOA 21' 0".**			X			
22	273797 50	39 DEG 7.481' N 119 DEG 47.977' W	PRI = 31' 6".	**ATTACH CATV @ HOA 26' 0".** *CATV FAILS WIND LOAD.*			X			
23	273796 50	39 DEG 7.484' N 119 DEG 48.078' W	PRI = 32' 0". *POWER FAILS WIND LOAD.*	**ATTACH CATV @ HOA 26' 0".** **PL VGR.**			X			
24	273795 50	39 DEG 7.487' N 119 DEG 48.168' W	PRI = 32' 0".	**ATTACH CATV @ HOA 26' 0".**			X			
25	273794 55	39 DEG 7.490' N 119 DEG 48.226' W	PRI = 29' 9". 3/8" DG TO 1" ANC 30' SE.	**ATTACH CATV @ HOA 26' 3".**			X			
26	36953 40	39 DEG 7.492' N 119 DEG 48.309' W	PRI = 25' 4".	**ATTACH CATV @ HOA 21' 0".**			X			

[redacted]

O-Calc® Pro *Analysis Report*

Monday, April 22, 2013 10:26:34 AM

File Name:	198100.pplx	Pole Length / Class:	45 / 3	Code:	NESC	Structure Type:	Guyed
Pole Num:	198100	Pole Species:	DOUGLAS FIR	NESC Rule:	Rule 250B	Status:	N/A
Aux Data	Unset	Setting Depth (ft):	6.00	Construction Grade:	B	Pole Strength Factor:	0.65
Aux Data	Unset	G/L Circumference (in):	41.00	Loading District:	Medium	Transverse Wind LF:	2.50
Aux Data	Unset	G/L Fiber Stress (psi):	8,000	Ice Thickness (in):	0.25	Wire Tension LF:	1.65
Aux Data	Unset	Allowable Stress (psi):	5,200	Wind Speed (mph):	39.53	Vertical LF:	1.50
Aux Data	Unset	Fiber Stress Ht. Reduction:	No	Wind Pressure	4.00		



Pole Capacity Utilization		Height	Wind Angle
Maximum:	23.7%	23.0 ft	263.4°
Groundline:	13.1%	0.0 ft	87.2°
Vertical:	7.3%	30.7 ft	50.0°

Pole Moments		Load Angle	Wind Angle
Max Capac. Util:	8,588 ft-lb	309.8°	263.4°
Groundline:	11,157 ft-lb	89.2°	87.2°

Guy Summary		Guy Tensions		Maximum Guy Tensions	
	Attach Height (ft)	% Allowable Tension	Wind Angle	% Allowable Tension	Wind Angle
Guy 1	38.5	32.9%	87.2°	33.9%	58.4°
Guy 2	23.0	56.5%	87.2°	56.6%	86.5°

Anchor Summary			
	Lead Length (ft)	Lead Angle	Max. % Allow. Capacity
Anchor 1	23.0	180.0°	23.5%
Anchor 2	16.0	280.0°	15.3%

Version: 4.8 / 4.08 * includes Load Factor(s) Page 1 of 4 [2] Worst Wind per Guy Wire [3] Wind at 87.2°

Pole ID: 198100.pplx (198100)

O-Calc® Pro *Analysis Report*

Monday, April 22, 2013 10:26:34 AM

GROUNDLINE LOAD SUMMARY:*Wind at 87.2°, Applied Moment 11,157 ft-lb at 89.2°, Allowable Moment 94,564 ft-lb

	Shear Load (lbs)*	Percent Applied Load	Bending Moment (ft-lb)	Percent of Applied Moment	Percent of Pole Capacity	Bending Stress (+/-psi)	Vertical Load (lbs)	Vertical Stress (psi)	Total Stress (psi)	Percent of Pole Capacity
Powers:	397	112.9	14,688	131.6	15.5	808	265	2	810	15.6
Comms:	1,290	367.3	29,746	266.6	31.5	1,636	112	1	1,637	31.5
Guys/Braces:	-1,696	-482.7	-40,252	-360.8	-42.6	-2,213	6,465	48	-2,165	-41.6
Pole:	331	94.2	5,846	52.4	6.2	321	2,039	15	337	6.5
Crossarms:	6	1.8	237	2.1	0.3	13	342	3	16	0.3
Insulators:	23	6.6	891	8.0	0.9	49	108	1	50	1.0
Pole Load:	351	100.0	11,157	100.0	11.8	614	9,331	70	683	13.1
Pole Reserve Capacity:			83,407		88.2	4,586			4,517	86.9

LOAD SUMMARY BY OWNER

NVE:	742		21,058			1,158	6,683	50	1,208	23.2
[redacted]	-390		-9,902			-544	2,648	20	-525	-10.1
Totals	351		11,157			614	9,331	70	683	13.1

Version: 4.8 / 4.08 * includes Load Factor(s) Page 2 of 4 ² Worst Wind per Guy Wire ³ Wind at 87.2°

O-Calc® Pro *Analysis Report*

Detailed Load Components

Power:		Owner	Height (ft)	Horiz. Offset (in)	Cable Dia. (in)	Sag at Max Temp (ft)	Cable Weight (lbs/ft)	Lead/Span Length (ft)	Span Angle (deg)	Wire Length (ft)	Tension (lbs)	Tension Moment (ft-lb)*	Offset Moment (ft-lb)*	Wind Moment (ft-lb)*	Moment at GL (ft-lb)*
Primary	AAC 4/0 AWG 7 STRAND OXLIP	NVE	38.42	56.79	0.5220	3.74	0.198	163.0	0.0	163.2	788	680	16	2,663	3,359
Primary	AAC 4/0 AWG 7 STRAND OXLIP	NVE	38.42	17.57	0.5220	3.74	0.198	163.0	0.0	163.2	788	680	0	2,663	3,343
Primary	AAC 4/0 AWG 7 STRAND OXLIP	NVE	38.42	56.79	0.5220	3.74	0.198	163.0	0.0	163.2	788	680	-16	2,663	3,327
Primary	AAC 4/0 AWG 7 STRAND OXLIP	NVE	38.42	56.79	0.5220	1.43	0.198	57.0	180.0	57.1	278	-240	5	931	697
Primary	AAC 4/0 AWG 7 STRAND OXLIP	NVE	38.42	17.57	0.5220	1.43	0.198	57.0	180.0	57.1	278	-240	0	931	692
Primary	AAC 4/0 AWG 7 STRAND OXLIP	NVE	38.42	56.79	0.5220	1.43	0.198	57.0	180.0	57.1	278	-240	-6	931	686
Neutral	AAC 1/0 AWG 7 STRAND POPPY	NVE	32.00	6.42	0.3680	3.82	0.099	163.0	0.0	163.2	477	343	-19	1,884	2,208
Neutral	AAC 1/0 AWG 7 STRAND POPPY	NVE	32.00	6.42	0.3680	1.07	0.099	57.0	180.0	57.0	384	-276	-7	659	376
											Totals:	1,387	-25	13,326	14,688

Comm:		Owner	Height (ft)	Horiz. Offset (in)	Cable Dia. (in)	Sag at Max Temp (ft)	Cable Weight (lbs/ft)	Lead/Span Length (ft)	Span Angle (deg)	Wire Length (ft)	Tension (lbs)	Tension Moment (ft-lb)*	Offset Moment (ft-lb)*	Wind Moment (ft-lb)*	Moment at GL (ft-lb)*
Fiber	BELOPTIX DT096 - 72 FIBERS - DIELECTRIC (0.516)	[redacted]	23.00	7.34	1.0400	5.92	0.196	194.0	100.0	194.5	774	28,921	53	119	29,093
Fiber	BELOPTIX DT096 - 72 FIBERS - DIELECTRIC (0.516)	[redacted]	23.00	7.34	1.0400	1.37	0.196	57.0	180.0	57.1	392	-203	16	840	653
											Totals:	28,719	69	959	29,746

Crossarm:		Owner	Height (ft)	Horiz. Offset (in)	Offset Angle (deg)	Rotate Angle (deg)	Unit Weight (lbs)	Unit Height (in)	Unit Depth (in)	Unit Diameter (in)	Unit Length (in)	Tension Moment (ft-lb)*	Offset Moment (ft-lb)*	Wind Moment (ft-lb)*	Moment at GL (ft-lb)*
Normal	CROSSARM 4-3/4 X 5-3/4 X 10 HD	NVE	38.50	6.07	0.0	0.0	114.00	5.75	4.75	-	120.00	-	0	237	237
											Totals:	0	0	237	237

Insulator:		Owner	Height (ft)	Horiz. Offset (in)	Offset Angle (deg)	Rotate Angle (deg)	Unit Weight (lbs)	Unit Height (in)	Unit Depth (in)	Unit Diameter (in)	Unit Length (in)	Tension Moment (ft-lb)*	Offset Moment (ft-lb)*	Wind Moment (ft-lb)*	Moment at GL (ft-lb)*
Suspension	Suspension Insulator - 15 kV	NVE	38.50	54.00	83.6	0.0	11.00	11.50	-	4.75	-	-	75	146	221
Suspension	Suspension Insulator - 15 kV	NVE	38.50	0.00	0.0	0.0	11.00	11.50	-	4.75	-	-	0	146	146
Suspension	Suspension Insulator - 15 kV	NVE	38.50	-54.00	276.4	0.0	11.00	11.50	-	4.75	-	-	-74	146	72
Suspension	Suspension Insulator - 15 kV	NVE	38.50	54.00	96.4	180.0	11.00	11.50	-	4.75	-	-	74	146	220
Suspension	Suspension Insulator - 15 kV	NVE	38.50	0.00	180.0	180.0	11.00	11.50	-	4.75	-	-	0	146	146
Suspension	Suspension Insulator - 15 kV	NVE	38.50	-54.00	263.6	180.0	11.00	11.50	-	4.75	-	-	-75	146	71
Spool	Spool Insulator - 20 kV	NVE	32.00	4.17	270.0	0.0	1.00	2.12	-	2.50	-	-	-1	12	11
Bolt	Single Bolt	[redacted]	23.00	4.84	90.0	0.0	5.00	0.00	-	3.00	-	-	5	0	5
											Totals:	0	4	887	891

Version: 4.8 / 4.08

* includes Load Factor(s)

² Worst Wind per Guy Wire

³ Wind at 87.2°

Pole ID: 198100.pplx (198100)

O-Calc® Pro *Analysis Report*

Monday, April 22, 2013 10:26:34 AM

Guy Wire and Brace:		Owner	Attach Height (ft)	End Height (ft)	Lead/Span Length (ft)	Wire Dia. (in)	Percent Solid (%)	Lead Angle (deg)	Incline Angle (deg)	Wire Weight (lbs/ft)	Rest Length (ft)	Stretch Length (in)
Guy 1: EHS 3/8	Down	NVE	38.50	0.00	23.00	0.375	75.0	180.0	59.1	0.273	43.35	1.24
Guy 2: 6M	Down	[redacted]	23.00	0.00	16.00	0.242	75.0	280.0	55.2	0.104	26.52	1.22

Guy Wire and Brace (Loads and Reactions)		Elastic Modulus (psi)	Rated Tensile Strength (lbs)	Guy Strength Factor	Allowable Tension (lbs)	Initial Tension (lbs)	Required Tension[2] (lbs)	Required Tension[3] (lbs)	Applied Tension[3] (lbs)	Vertical Load[3] (lbs)	Shear Load in Guy Dir[3] (lbs)	Shear Load at Report Angle[3] (lbs)	Moment at GL[3] (ft-lb)*
Guy 1: EHS 3/8	Down	23,000,000	15,400	0.90	13,860	700	4,703	4,554	4,554	3,909	2,335	-32	-600
Guy 2: 6M	Down	23,000,000	6,000	0.90	5,400	700	3,057	3,049	3,049	2,503	1,741	-1,710	-39,652
									Totals:	6,412	4,076	-1,742	-40,252

Anchor/Rod Load Summary:	Owner	Rod Length AGL (in)	Lead Length (ft)	Lead Angle (deg)	Strength of Assembly (lbs)	Anchor/Rod Strength Factor	Allowable Load (lbs)	Max Load[2] (lbs)	Load at Pole MCU[3] (lbs)	Max Required Capacity[2] (%)
Single Helix Anchor	NVE	18.00	23.00	180.0	20,000	1.00	20,000	4,703	4,554	23.5
Single Helix Anchor	[redacted]	18.00	16.00	280.0	20,000	1.00	20,000	3,057	3,049	15.3

Pole Buckling

Buckling Constant	Buckling Column Hgt (ft)	Buckling Section Height (% Buckling Col. Hgt.)	Buckling Section Diam. (in)	Min. Buckling Diam. at GL (in)	Diameter at Tip (in)	Diameter at GL (in)	Modulus of Elasticity (psi)	Pole Density (pcf)	Ice Density (pcf)	Pole Tip Height (ft)	Buckling Load Capacity at Hgt. (lbs)	Buckling Load Applied at Hgt. (lbs)	Buckling Load Factor of Safety
0.71	30.67	35.18	11.47	17.00	7.32	13.06	1,600,000	60.00	57.00	39.00	128,538	9,331	13.78

Version: 4.8 / 4.08 * includes Load Factor(s) Page 4 of 4 [2] Worst Wind per Guy Wire [3] Wind at 87.2°

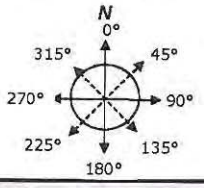
Appendix J

Transmission Sample Templates

NVEnergy

Pole Inspection Sheet

Pole # *in Field*	*X12345*
Class	N/A
Length	
Wood	
GL Circum	11'11"
Type	Steel Transmission



Pole # *in License*	*X12345*
Date	6/7/2012
Job Name	CATV Attachment
Location	ABC Street and XYZ Way

Guy #	Entity	Attachments					Span Length		Direction		Bundle diameter
		Type	# of wires	Size	Height		Ahead	Back	Ahead	Back	
					ft	in	ft	ft	deg	deg	in
				Top of Pole	128	5					
	NVE	Static	2	West arm- 5/16" ehs, East arm- 5/16" ehs	128	5	474'	499'	270°	90°	
	NVE	Trans- 230 KV	2	West strut post- 954 acsr	118	1	474'	499'	270°	90°	
	NVE	Trans- 230 KV	1	East strut post- 954 acsr	118	1	474'	499'	270°	90°	
	NVE	Trans- 230 KV	2	West strut post- 954 acsr	105	1	474'	499'	270°	90°	
	NVE	Trans- 230 KV	1	East strut post- 954 acsr	105	1	474'	499'	272°	90°	
	NVE	Trans- 230 KV	2	West strut post- 954 acsr	92	1	474'	499'	270°	90°	
	NVE	Trans- 230 KV	1	East strut post- 954 acsr	92	1	474'	499'	270°	90°	
	NVE	Trans- 138 KV	1	West post ins- 954 acsr	76	6	474'	499'	270°	90°	
	NVE	Trans- 138 KV	1	West post ins- 954 acsr	70	6	474'	499'	270°	90°	
	NVE	Trans- 138 KV	1	West post ins- 954 acsr	64	6	474'	499'	270°	90°	
	NVE	Pri- X arm	3	954 acsr	54	6	474'	499'	270°	90°	
	NVE	3Ø Cutout Brkt		1/0 ug, jckt	51	4			180°		
	NVE	Riser		3" u-guard	46	5			225°		
	NVE	Pri- neut	1	West side, shoe- 2/0 acsr, 48 ct	44	2	474'	499'	270°	90°	
	NVE	Sec	1	East side, DE- 2/0 triplex	41	5		499'		90°	
	NVE	Riser		2" u-guard	38	3				45°	
	ZFS	ADSS Block		ADSS 144ct	38	4	474'	499'	270°	90°	0.76"
	COX	Tangent		1/4"ehs, 72 ct, 750cx	37	0	474'	499'	270°	90°	1.25"
	COX	Proposed		ADD 144ct, REMOVE 72ct	37	0	474'	499'	270°	90°	1.55"

Entity	Equipment							Make-Ready Notes (Communications Space)
	Type	Description	Dimensions		Height		Location	
			in	in	ft	in	deg	Adjust existing communications vangs for 40" clearance.

Guy #	Entity	Guy Size	Anchor							Make-Ready Notes (Power Space)
			#	Size & Description	Location	Height		Lead		
					deg	ft	in	ft	in	Weld new NVE spec vang, add rod & shoe.

Additional Comments:

See attached for picture of pole.

X12345

Revisions Index

Revision #1 (2-4-2013)

- Moved statement "Compliance with all applicable NESC standards and clearances must be maintained at all times" from Structural Analysis Requirements section to section discussing determination of make-ready solutions

Revision #2 (5-21-2013)

- Added "Exceptions" note for riser only installations
- Updated Distribution Sample Report Appendix to show O-Calc reports

Revision #3 (12-24-2013)

- Added Appendix D "Typical Guy Wire Sizes and Guy Strengths used by NV Energy"
- Adjusted Appendix letters and page reference numbers to accommodate new Appendix D

Revision #4 (6-25-2014)

- Removed Applicant requirement of submitting pole data, make-ready notes, and Professional Engineer stamped structural analysis reports for Distribution applications
- Modified verbiage in remainder of document accordingly

EXHIBIT 10

Section 1.
Introduction to the
National Electrical Safety Code®

The National Electrical Safety Code (NESC®) is American National Standard C2. It is a consensus standard that has been prepared by the National Electrical Safety Code Committee under procedures approved by the American National Standards Institute (ANSI). The membership of the NESC Committee is composed of national and international organizations and is certified by ANSI as having an appropriate balance of the interests of members of the public, utility workers, regulatory agencies, and the various types of private and public utilities.

The NESC is used in whole or in part by statute, regulation, or consent as the standard (or basis of the standard) of safe practice for public and private utilities in the United States, as well various jurisdictions and industries in other countries.

010. Purpose

A. The purpose of the NESC is the practical safeguarding of persons, utility facilities, and affected property during the installation, operation, and maintenance of electric supply and communication facilities, under specified conditions.

NOTE: NESC rules are founded upon the fundamental principles used for safety of utility facilities, and the NESC is globally accepted as good engineering practice.

B. NESC rules contain the basic provisions, under specified conditions, that are considered necessary for the safeguarding of:

1. The public,
2. Utility workers (employees and contractors),
3. Utility facilities,
4. Electric supply and communication equipment connected to utility facilities, and
5. Other facilities or premises adjacent to or containing utility facilities.

C. NESC rules are intended to provide a standard of safe practices that can be adopted by public utilities, private utilities, state or local utility commissions or public service commissions, or other boards or bodies having control over safe practices employed in the design, installation, operation, and maintenance of electric supply, communication, street and area lighting, signal, or railroad utility facilities.

D. This Code is not intended as a design specification or as an instruction manual.

011. Scope

A. Covered

See Figure 011-1.

The NESC covers:

1. Supply and communication facilities (including metering) and associated work practices employed by a public or private electric supply, communications, railway, trolley, street and area lighting, traffic signal (or other signal), irrigation district or other community owned utility, or a similar utility in the exercise of its function as a utility.
2. The generation, transmission, and distribution of electricity, lumens, communication signals, and communication data through public and private utility systems that are installed and maintained under the exclusive control of utilities or their authorized representatives.

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