

ELKO TELEVISION DISTRICT BOARD

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ELKO TELEVISION DISTRICT BOARD

P.O. BOX 456

ELKO, NV 89803

MEETING NOTICE

THE ELKO TELEVISION DISTRICT BOARD WILL MEET IN REGULAR SESSION ON:

DATE: Thursday, October 13th, 2022

TIME: 6:00 P.M.

PLACE: Elko County Commissioners Room, 540 Court St, Room 102, Elko, Nevada

PLEASE NOTE: The Elko Television District Board May 1) take agenda items out of order; 2) combine two or more items for consideration; or 3) remove an item from the agenda or delay discussion related to an item at any time. Reasonable efforts will be made to assist and accommodate individuals with disabilities who wish to attend the meeting. Please contact McMullen, McPhee & Co, LLC, (775) 738-7157, in advance, so that arrangements can be made.

ROLL CALL

PUBLIC COMMENT

- 1. APPROVE THE MINUTES – SEPTEMBER 8TH, 2022 MEETING - Action Item**
- 2. APPROVE TREASURER'S REPORT – Action Item**
- 3. APPROVE AND RATIFY OUTSTANDING BILLS FOR PAYMENT – Action Item**
- 4. REVIEW AND POSSIBLE APPROVAL OF UPDATES TO CONTRACTS – Possible Action Item**
 - a. VERIZON WIRELESS CONTRACT REVISIONS**
 - b. AT&T CONTRACT REVISIONS**
 - c. EUREKA COUNTY TV DISTRICT MOU**
 - d. RISE BROADBAND ADDING EQUIPMENT**
- 5. DISCUSSION AND POSSIBLE APPROVAL OF SKYFIBER VIDEO LEASING SPACE AND PUTTING UP EQUIPMENT ON RYNDON – Possible Action Item**
- 6. DISCUSSION AND POSSIBLE APPROVAL OF CC COMMUNICATIONS LEASING SPACE AT THE FIBER HUT – Possible Action Item**
- 7. DISCUSSION AND POSSIBLE APPROVAL OF LEASING CONDUIT SPACE FOR FIBER FOR ANTHEM BROADBAND – Possible Action Item**
- 8. DISCUSSION, UPDATES, AND POSSIBLE ACTION ON INSTALLATION INSPECTIONS FOR THE FOLLOWING TENANTS: – Possible Action Item**
 - a. SKYFIBER**
 - b. CITY OF ELKO FIRE**

9. DISCUSSION AND POSSIBLE ACTION OF HIRING A COMPANY TO MANAGE THE TENANT LEASE CONTRACTS – Possible Action Item
10. DISCUSSION AND POSSIBLE ACTION ON PURCHASING SHIRTS FOR THE TV DISTRICT – Possible Action Item
11. DISCUSSION AND POSSIBLE ACTION REGARDING CHANNEL LOSS AT THE RYNDON SITE – Possible Action Item
12. DISCUSSION AND POSSIBLE APPROVAL OF A LINK FROM LAMOILLE TO PEAVEY FOR TV CHANNEL OR SECURITY USE INCLUDING, BUT NOT LIMITED TO, BUILDING A DISTRICT OWNED SITE IN DEETH– Possible Action Item
13. DISCUSSION AND POSSIBLE APPROVAL OF PURCHASING AN IP STREAM DEVICE TO CONNECT IN PARTNERSHIP WITH EUREKA TO FIBER FROM RENO – Possible Action Item
14. DISCUSSION AND POSSIBLE ACTION REGARDING OLD LAMOILLE TOWER STRUCTURAL UPGRADE– Possible Action Item
15. DISCUSSION, POSSIBLE APPROVAL, AND UPDATES OF CURRENT AND FUTURE CAPITAL PROJECTS AS FOLLOWS BUT NOT LIMITED TO: – Possible Action Item
 - a. CORRECTING OLD LAMOILLE TOWER OVERLOADING
 - b. SERVICING ADOBE SUMMIT AREA
 - c. UPDATES ON NEW RYNDON TOWER & GENERATOR
 - d. UPDATES ON NEW PEAVEY GENERATOR
16. REPAIR SERVICE REPORT AND SITE UPDATES – Possible Action Item
17. OLD BUSINESS
18. NEW BUSINESS

PUBLIC COMMENT

In accordance with NRS 241.020, this public notice and agenda was posted on or before October 10th, 2022 on the Elko County website, http://elkocountynv.net/boards/tv_district_-_elko/index.pho and/or in the following locations:

ELKO CITY HALL, 1751 COLLEGE AVENUE, ELKO
ELKO COUNTY LIBRARY, 720 COURT STREET, ELKO
ELKO COUNTY COURT HOUSE, 571 IDAHO ST, ELKO
ELKO TELEVISION DISTRICT BUILDING, 4290 RUBY VISTA DRIVE, ELKO

AFFIDAVIT OF POSTING

The undersigned affirms that on or before 9:00 a.m. on October 10th, 2022 he/she posted a copy of the Notice of Public Meeting and Agenda for the October 13th, 2022 meeting of the Elko Television District in accordance with NRS 241.020; said agenda was posted at the above-referenced location(s):



SIGNATURE

McMullen, McPhee & Co, LLC

Date & Time of Posting: October 6th, 2022 5:00 p.m.

**COPIES OF THE AGENDA AND MINUTES MAY BE PICKED UP AT McMULLEN, MCPHEE & COMPANY,
215 BLUFFS AVENUE, SUITE 300, ELKO, NV OR CALL 775-738-7157 AND A COPY CAN BE EMAILED OR FAXED.**

Elko Television District

Board Meeting Minutes, September 8th, 2022
6:00 p.m. at the Elko County Court House

Board Members:

Present: Steve Guitar, Kent LeBarts, Misty Atkins, and Rick Jimenez.

Absent: Dale Lotspeich

Others Present: Cenni Jimenez by phone representing Premier Wireless, Charles Schaer representing himself, Crystal Koppe representing Koppe Co., LLC, Henrick Atkins representing himself and Marisa Reeves representing McMullen, McPhee & Co., LLC.

Proceedings

Meeting called to order at 6:00 p.m. by Steve Guitar

Public Comment: Charles Schaer was at the Ryndon site with Paden. He said the ice bridge needs to be grounded and it needs to be bonded. He also said Channel 8 stopped working again this morning. Cenni told the board it is grounded.

Approval of Minutes August 11th, 2022 Regular Meeting

Misty Atkins moved to accept the minutes from the August 11th, 2022 meeting as written. Kent LeBarts seconded the motion; the vote was unanimous.

Approval of the Treasurer's Report

Kent LeBarts moved to accept the Treasurer's report as written. Misty Atkins seconded the motion; the vote was unanimous.

Approval & Ratify of Outstanding Bills for payment

Misty Atkins read aloud the outstanding and ratified bills. Misty Atkins moved to accept the outstanding and ratified bills as read. Kent LeBarts seconded the motion; the vote was unanimous.

Review and Possible Approval of Updates to Contracts

Verizon Wireless Contract Revision, AT&T Contract Update, Eureka County TV District MOU, Rise Broadband – Add Equipment

Tabled until the next meeting.

Discussion and Possible Approval of a Link from Lamoille to Peavey for TV Channel or Security Use Including, But Not Limited to, Building a District Owned Site in Deeth

Cenni presented a quote to do an FCC study from Lamoille to Deeth to Peavey.

Discussion and Update on Repairs to Road to Grindstone

Cenni stated the road has been repaired. In the valley, from the top gate to the bottom gate, the road was replaced. Four culverts were installed. The road was graded and widened.

Discussion and Possible Action on City of Elko Fire Installation Inspection

Cenni stated there are some issues, but he hasn't sent the report yet. He is waiting on Paden to get a copy of the updated contract.

Discussion and Possible Action on Sky Fiber Installation Inspection

Cenni has been talking with them. He said they weren't aware of the standards, and they were never given corrective action from Paden. Skyfiber doesn't mind updating it. It should be done in about 2 weeks.

Discussion and Possible Action Regarding Old Lamoille Structural Upgrade

Cenni said the parts are ordered, just waiting on them to show up.

Discussion and Possible Approval of Purchasing an IP Stream Device to Connect in Partnership with Eureka to Fiber from Reno

Tabled until the next meeting.

Discussion and Possible Approval of Current and Future Capital Projects as Follows but Not Limited To:

Correcting Old Lamoille Tower Overloading, Servicing Adobe Summit Area Updates on New Ryndon Tower & Generator, and Updates on New Peavey Generator

Tabled until the next meeting.

Repair Service Report and Site Updates

Tabled until the next meeting.

Old Business: Steve wanted to thank Crystal for all her work. Once they launch the website, she wants to do a campaign or paid ads on FaceBook. Paden still has the domain page. There are now 150 people that have liked the FaceBook page. Steve will check to see if the board can display something on Paul Gardner's board to advertise the FaceBook page and new website.

New Business: Cenni stated that SkyFiber wants to put equipment up on the Ryndon Site.

Rick wants to get tee shirts for the TV District to wear when they go to meetings.

Steve wondered, with Paden being a one-man show, if it would be best to find someone to keep the contracts in order. Cenni said he has a branch in his organization that does that. Nancy Porter can still do all the legalise.

Public Comment: Charles wanted to know if SkyFiber goes up in Ryndon if they would provide internet. The board said they do not know.

Being no further business, the meeting was adjourned at 6:28 p.m.

The next regular meeting will be held on September 8th, 2022.

FINANCIAL STATEMENTS
ELKO TELEVISION DISTRICT
SEPTEMBER 30, 2022 AND 2021



**Board of Directors
Elko Television District**

The accompanying financial statements of Elko Television District as of and for the periods ended September 30, 2022 and 2021, were not subjected to an audit, review, or compilation engagement by us and, accordingly, we do not express an opinion, a conclusion, nor provide any assurance on them.

The financial statements omit substantially all of the disclosures and the statement of cash flows prepared in accordance with the accrual basis of accounting.

McMullen, McPhee & Company, LLC

**Elko, Nevada
October 10, 2022**

ELKO TELEVISION DISTRICT
Balance Sheets
As of September 30, 2022 and 2021

	Sep 30, 22	Sep 30, 21	\$ Change
ASSETS			
Current Assets			
Checking/Savings			
Nevada Bank & Trust Checking	203,358.41	163,952.41	39,406.00
Cash Held in Raymond James	111,468.11	108,979.03	2,489.08
Total Checking/Savings	314,826.52	272,931.44	41,895.08
Accounts Receivable			
Rent Receivable	31,313.89	33,304.43	(1,990.54)
Patronage Dividend Receivable	6,625.30	5,388.61	1,236.69
Total Accounts Receivable	37,939.19	38,693.04	(753.85)
Other Current Assets			
Raymond James			
Raymond James Securities	259,000.00	361,000.00	(102,000.00)
Adjustment to Fair Market Value	(2,368.72)	(89.56)	(2,279.16)
Total Raymond James	256,631.28	360,910.44	(104,279.16)
Due from Other Governments	27,241.92	27,241.92	0.00
Prepaid Expenses	11,143.10	9,698.97	1,444.13
Total Other Current Assets	295,016.30	397,851.33	(102,835.03)
Total Current Assets	647,782.01	709,475.81	(61,693.80)
Fixed Assets			
Land	47,944.21	47,944.21	0.00
Buildings	559,524.50	559,524.50	0.00
Equipment	3,318,009.86	3,288,089.45	29,920.41
Construction in Progress			
New Ryndon Site Build	318,388.32	115,128.84	203,259.48
Peavey Generator Installation	126,600.00	65,850.00	60,750.00
Total Construction in Progress	444,988.32	180,978.84	264,009.48
Accumulated Depreciation			
Accum Depr - Buildings	(335,120.19)	(315,440.59)	(19,679.60)
Accum Depr - Equipment	(2,079,502.66)	(2,121,070.64)	41,567.98
Total Accumulated Depreciation	(2,414,622.85)	(2,436,511.23)	21,888.38
Total Fixed Assets	1,955,844.04	1,640,025.77	315,818.27
TOTAL ASSETS	2,603,626.05	2,349,501.58	254,124.47

No assurance is provided on these financial statements

ELKO TELEVISION DISTRICT
Balance Sheets
As of September 30, 2022 and 2021

	Sep 30, 22	Sep 30, 21	\$ Change
LIABILITIES & EQUITY			
Liabilities			
Current Liabilities			
Accounts Payable	43,672.92	26,071.65	17,601.27
Other Current Liabilities			
Deferred Revenue	70,229.95	70,070.05	159.90
Payroll Liabilities	13.66	14.70	(1.04)
Total Other Current Liabilities	70,243.61	70,084.75	158.86
Total Current Liabilities	113,916.53	96,156.40	17,760.13
Total Liabilities	113,916.53	96,156.40	17,760.13
Equity			
Invested in Capital Assets	1,955,844.04	1,640,025.77	315,818.27
Unrestricted Net Assets(R.E.)	566,733.16	774,528.11	(207,794.95)
Net Income	(32,867.68)	(161,208.70)	128,341.02
Total Equity	2,489,709.52	2,253,345.18	236,364.34
TOTAL LIABILITIES & EQUITY	2,603,626.05	2,349,501.58	254,124.47

No assurance is provided on these financial statements

ELKO TELEVISION DISTRICT
Statements of Revenues and Expenses
For the Three Months Ended September 30, 2022 and 2021

	Jul - Sep 22	Jul - Sep 21	\$ Change
Ordinary Income/Expense			
Income			
Operating Income			
Rent Income	49,480.41	47,760.62	1,719.79
Total Operating Income	49,480.41	47,760.62	1,719.79
Non-Operating/Gen Revenues			
Ad Valorem Tax (County)	263,447.83	58,568.33	204,879.50
Consolidated Tax (State)	40,862.88	40,862.88	0.00
Interest Income	129.01	43.55	85.46
Unrealized Gain(Loss) on Invest	(857.44)	(20.76)	(836.68)
Total Non-Operating/Gen Revenues	303,582.28	99,454.00	204,128.28
Total Income	353,062.69	147,214.62	205,848.07
Gross Profit	353,062.69	147,214.62	205,848.07
Expense			
General Operating Expenses			
Salaries and Wages			
Directors' Fees	4,550.00	4,900.00	(350.00)
Payroll Taxes	384.46	414.04	(29.58)
Total Salaries and Wages	4,934.46	5,314.04	(379.58)
Services and Supplies			
Accounting Fees	5,800.00	5,800.00	0.00
Dues and Memberships	500.01	415.26	84.75
Fiber Service Costs	14,641.80	14,641.80	0.00
Insurance	2,924.01	2,509.50	414.51
Legal Fees	0.00	600.00	(600.00)
Office Expense	139.11	188.21	(49.10)
Other Professional Fees	19,397.00	297.00	19,100.00
Power & Light	11,996.37	9,066.06	2,930.31
Rent	1,372.99	1,367.23	5.76
Repairs & Maintenance	21,824.78	29,089.42	(7,264.64)
Supplies	0.00	5,116.41	(5,116.41)
Travel Expense - Board Member	148.16	171.36	(23.20)
Total Services and Supplies	78,744.23	69,262.25	9,481.98
Other Costs - Property Tax	0.00	3.92	(3.92)
Total General Operating Expenses	83,678.69	74,580.21	9,098.48

No assurance is provided on these financial statements

ELKO TELEVISION DISTRICT
Statements of Revenues and Expenses
For the Three Months Ended September 30, 2022 and 2021

	<u>Jul - Sep 22</u>	<u>Jul - Sep 21</u>	<u>\$ Change</u>
Non Operating Expenses			
Capital Outlay	246,183.50	187,678.84	58,504.66
Depreciation	47,046.57	46,164.27	882.30
Donations	3,700.00	0.00	3,700.00
Total Non Operating Expenses	<u>296,930.07</u>	<u>233,843.11</u>	<u>63,086.96</u>
Total Expense	<u>380,608.76</u>	<u>308,423.32</u>	<u>72,185.44</u>
Net Ordinary Income	<u>(27,546.07)</u>	<u>(161,208.70)</u>	<u>133,662.63</u>
Other Income/Expense			
Other Expense			
Other Expense			
Cost of Fixed Asset Sales/Dispo	5,321.61	0.00	5,321.61
Total Other Expense	<u>5,321.61</u>	<u>0.00</u>	<u>5,321.61</u>
Total Other Expense	<u>5,321.61</u>	<u>0.00</u>	<u>5,321.61</u>
Net Other Income	<u>(5,321.61)</u>	<u>0.00</u>	<u>(5,321.61)</u>
Net Income	<u>(32,867.68)</u>	<u>(161,208.70)</u>	<u>128,341.02</u>

No assurance is provided on these financial statements

ELKO TELEVISION DISTRICT
Schedule of Revenue & Expenses Budget and Actual

For the Three Months Ended September 30, 2022

	Jul - Sep 22	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
Operating Income				
Rent Income	49,480.41	50,300.00	(819.59)	98.4%
Total Operating Income	49,480.41	50,300.00	(819.59)	98.4%
Non-Operating/Gen Revenues				
Ad Valorem Tax (County)	263,447.83	197,287.00	66,160.83	133.5%
Consolidated Tax (State)	40,862.88	40,863.00	(0.12)	100.0%
Interest Income	129.01	1,125.00	(995.99)	11.5%
Unrealized Gain(Loss) on Invest	(857.44)			
Total Non-Operating/Gen Revenues	303,582.28	239,275.00	64,307.28	126.9%
Total Income	353,062.69	289,575.00	63,487.69	121.9%
Gross Profit	353,062.69	289,575.00	63,487.69	121.9%
Expense				
General Operating Expenses				
Salaries and Wages				
Directors' Fees	4,550.00	5,687.50	(1,137.50)	80.0%
Payroll Taxes	384.46	440.00	(55.54)	87.4%
Total Salaries and Wages	4,934.46	6,127.50	(1,193.04)	80.5%
Services and Supplies				
Accounting Fees	5,800.00	7,287.50	(1,487.50)	79.6%
Dues and Memberships	500.01	425.00	75.01	117.6%
Fiber Service Costs	14,641.80	14,150.00	491.80	103.5%
Insurance	2,924.01	2,525.00	399.01	115.8%
Legal Fees	0.00	681.25	(681.25)	0.0%
Office Expense	139.11	253.75	(114.64)	54.8%
Other Professional Fees	19,397.00	8,725.00	10,672.00	222.3%
Power & Light	11,996.37	7,175.00	4,821.37	167.2%
Rent	1,372.99	1,400.00	(27.01)	98.1%
Repairs & Maintenance	21,824.78	30,750.00	(8,925.22)	71.0%
Supplies	0.00	3,675.00	(3,675.00)	0.0%
Travel Expense - Board Member	148.16	225.00	(76.84)	65.8%
Total Services and Supplies	78,744.23	77,272.50	1,471.73	101.9%
Total General Operating Expenses	83,678.69	83,400.00	278.69	100.3%
Non Operating Expenses				
Capital Outlay	246,183.50	200,000.00	46,183.50	123.1%
Depreciation	47,046.57	62,225.00	(15,178.43)	75.6%
Donations	3,700.00			
Total Non Operating Expenses	296,930.07	262,225.00	34,705.07	113.2%
Total Expense	380,608.76	345,625.00	34,983.76	110.1%
Net Ordinary Income	(27,546.07)	(56,050.00)	28,503.93	49.1%
Other Income/Expense				
Other Expense				
Other Expense				
Cost of Fixed Asset Sales/Dispo	5,321.61			
Total Other Expense	5,321.61			
Total Other Expense	5,321.61			
Net Other Income	(5,321.61)			
Net Income	(32,867.68)	(56,050.00)	23,182.32	58.6%

No assurance is provided on these financial statements

ELKO TELEVISION DISTRICT
A/R Aging Summary
As of September 30, 2022

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Albino Ortega	0.00	0.00	0.00	0.00	7,150.00	7,150.00
Coach USA	0.00	0.00	0.00	0.00	2,666.36	2,666.36
Elko Amateur Radio Club	0.00	0.00	0.00	0.00	3.09	3.09
Elko Broadcasting Company	0.00	692.74	0.00	0.00	0.00	692.74
Elko County School District	0.00	0.00	0.00	0.00	10,000.00	10,000.00
Nevada Gold Mines LLC	0.00	0.00	0.00	0.00	4,944.00	4,944.00
Premier Wireless Services, LLC	0.00	0.00	0.00	0.00	3,182.70	3,182.70
Radio 74 Internationale	0.00	0.00	0.00	0.00	3,800.00	3,800.00
Rise Broadband	0.00	(1,125.00)	0.00	0.00	0.00	(1,125.00)
TOTAL	0.00	(432.26)	0.00	0.00	31,746.15	31,313.89

No assurance is provided on these financial statements

9:54 AM
10/11/22

ELKO TELEVISION DISTRICT
Unpaid Bills Detail
As of October 11, 2022

Type	Date	Num	Due Date	Aging	Open Balance
Eagle Communications					
Bill	09/15/2022	4511	10/30/2022		5,974.92
Total Eagle Communications					5,974.92
Elko Area Chamber of Commerce					
Bill	10/01/2022	28364	10/31/2022		140.00
Total Elko Area Chamber of Commerce					140.00
Humboldt County TV District					
Bill	10/03/2022	0043	11/02/2022		952.94
Total Humboldt County TV District					952.94
Koppe Co, LLC					
Bill	10/01/2022		10/21/2022		900.00
Total Koppe Co, LLC					900.00
McMullen, McPhee & Co					
Bill	09/30/2022	1038596	10/30/2022		1,793.92
Total McMullen, McPhee & Co					1,793.92
Premier Wireless					
Bill	09/26/2022	22168-1i	10/26/2022		31,126.50
Bill	09/26/2022	22300i	10/26/2022		1,400.00
Total Premier Wireless					32,526.50
TOTAL					42,288.28

Approved By: _____

Date: _____

Elko Television District

Bills for Ratification

Vendor	Site Location	Payment Type	Bill Date	Due Date	Amount
Frontier		Auto-Pay	9/10/2022	10/4/2022	\$ 112.19
NV Energy	Aspen Way	Auto-Pay	9/30/2022	10/18/2022	\$ 157.78
NV Energy	Grindstone	Auto-Pay	9/30/2022	11/10/2022	\$ 1,386.13
NV Energy	Paradise	EPP & Auto-Pay	9/20/2022	10/6/2022	\$ 37.00
NV Energy	Ryndon Dew	EPP & Auto-Pay	9/17/2022	10/5/2022	\$ 148.00
NV Energy	Tower Rd	Auto-Pay	9/14/2022	9/30/2022	\$ 807.26
Wells Rural Electric	MCI Microwave	Auto-Pay	10/1/2022	10/20/2022	\$ 294.00
Wells Rural Electric	Pequop Summit	Auto-Pay	10/1/2022	10/20/2022	\$ 94.00
White Cloud	Airport	Auto-Pay	9/8/2022	9/28/2022	\$ 4,361.00
TOTAL					\$ 7,397.36

Approved By

Date

Elko Television District

List of Contracts

Legend: Expired Contract

Potential New Contract

Upcoming Renewal

Pending/Draft Contract

Rentor	Site Location	Frequency	Amount	Annual Amount	Contract Dates			Extensions
					Original Start	Renewed	End	
Albino Ortega (KYUW-FM)	Grindstone	Annual	\$ 4,600.00	\$ 4,600.00	9/1/2019		6/30/2024	5 yr Ext (Written Notice)
Anthem Broadband	Airport							
AT&T	Grindstone	Monthly	\$ 2,506.15	\$ 30,073.80	4/1/2008	4/1/2018	3/31/2023	3 of 5 -5 yrs Ext left (Auto)
Barrick	Grindstone	Annual	\$ 3,800.00	\$ 3,800.00	1/1/2012	1/1/2018	12/31/2022	No extentions left
CC Communications	Airport	Annual						
City of Elko Fire Dept	Lamoille	Annual	\$ 4,000.00	\$ 4,000.00	7/1/2016	7/1/2021	6/30/2026	No extentions left
Coach USA	Grindstone	Annual	\$ 3,200.00	\$ 3,200.00	1/1/2012	7/1/2018	6/30/2023	5 yr Ext (Written Notice)
Eagle Communications	Paradise Dr	Annual	\$ 1,200.00	\$ 1,200.00	Year 2014	7/1/2020	6/30/2030	10 yr Ext (Written Notice)
Elko Broadcasting Company	Lamoille	Annual	\$ 3,350.00	\$ 3,350.00	3/13/2014	4/1/2019	3/31/2024	No extentions left
Elko Broadcasting Company	Lamoille	Annual	\$ 4,962.80	\$ 4,962.80	8/1/2018		6/30/2023	5 yr Ext (Written Notice)
Elko County Fire Protection	Peavey	Annual	\$ 3,296.00	\$ 3,296.00	7/1/2015	7/1/2020	6/30/2025	No extentions left
Elko County School District	Grindstone	Annual	\$ 5,000.00	\$ 5,000.00	7/9/2015	7/1/2019	6/30/2024	No extentions left
Elko County School District	Lamoille	Annual	\$ 5,000.00	\$ 5,000.00	7/1/2016	7/1/2019	6/30/2024	No extentions left
Everest Infrastructure	Grindstone	Annual	\$ 12,800.00	\$ 12,800.00	7/1/2019		6/30/2026	4 of 5 - 5 yr Ext left (WN)
Faith Communications	Grindstone	Quarterly	\$ 800.00	\$ 3,200.00	1/1/2021		6/30/2026	5 yr Ext (Written Notice)
Faith Communications	Lamoille	Quarterly	\$ 800.00	\$ 3,200.00	1/1/2021		6/30/2026	5 yr Ext (Written Notice)
Global One Media	Lamoille	Quarterly	\$ 1,331.25	\$ 5,325.00	6/1/2022		6/30/2026	5 yr Ext (Written Notice)
Ham Radio Club	Various	Annual	\$ 1.00	\$ 1.00	7/1/2020		6/30/2024	5 yr Ext (Written Notice)
KRNV (Use to be KENV-TV)	Grindstone	Annual	\$ 9,144.32	\$ 9,144.32	4/1/1997	4/1/2017	3/31/2027	2 of 4 -10 yr Ext left (Auto)
NV Dept of Info Tech	Peavy	Annual	\$ 3,200.00	\$ 3,200.00	7/1/2014	7/1/2018	6/30/2023	5 yr Ext (Written Notice)
NV Dept of Transportation	Peavy	Annual	\$ 11,600.00	\$ 11,600.00	1/1/2005	7/1/2018	6/30/2023	5 yr Ext (Auto)
Nevada Gold Mines	Lamoille	Annual	\$ 4,800.00	\$ 4,800.00	5/1/2021		6/30/2024	1 yr Ext (Written Notice)
Premier Wireless	Airport	Annual	\$ 3,000.00	\$ 3,000.00	5/4/2020		6/30/2023	3 yr Ext (Written Notice)
Radio 74 Internationale	Grindstone	Annual	\$ 5,000.00	\$ 5,000.00	6/1/2012	6/1/2017	5/31/2022	No extentions left
Rise Broadband	Grindstone	Quarterly	\$ 1,125.00	\$ 4,500.00	7/14/2016	3/1/2019	6/30/2024	5 yr Ext (Written Notice)
Sky Fiber Video	Lamoille	Annual	\$ 5,450.00	\$ 5,450.00	11/11/2021		6/30/2024	3 yr Ext (Written Notice)
Sky Fiber Video	Ryndon							
Verizon	Grindstone	Monthly	\$ 1,749.60	\$ 20,995.20	8/9/2012	9/1/2020	8/31/2024	2 of 4 - 4 yr Ext left (Auto)
Verizon	Lamoille	Monthly	\$ 2,099.52	\$ 25,194.24	8/9/2012	9/1/2020	8/31/2024	2 of 4 - 4 yr Ext left (Auto)
Wells Rural Electric	Grindstone	Annual	\$ 4,200.00	\$ 4,200.00	6/1/2012	7/1/2019	6/30/2024	5 yr Ext (Written Notice)
White Cloud	Lamoille	Annual	\$ 3,200.00	\$ 3,200.00	4/15/2019		6/30/2024	5 yr Ext (Written Notice)
White Cloud	Airport	Annual	\$ 5,000.00	\$ 5,000.00	4/15/2019		6/30/2024	5 yr Ext (Written Notice)

TOTAL: \$ 198,292.36

Legend:	Expired Contract	Potential New Contract
	Upcoming Renewal	Pending/Draft Contract

Rentor	Contract Terms	Annual Increase	Notes
Albino Ortega (KYUW-FM)	7/1/19: \$4,600/yr		
			Wants to lease conduit space
AT&T	4/1/18: \$1,500/mo (Adj. Annually) 4/1/13: +\$600/mo	April	Possible Contract Revisions
Barrick	1/1/12: \$3,800/yr		
CC Communications			Wants to lease space
City of Elko Fire Dept	7/1/16: \$3,200/yr; 7/1/19 changed to \$4,000/yr; 7/1/21 Addendum - Adj. Annually	July	
Coach USA	1/1/12: \$3,200/yr		
Eagle Communications	7/1/20: \$1,200/yr (Adj. Annually)	July	
Elko Broadcasting Company	3/13/14: \$3,350/yr		
Elko Broadcasting Company	8/1/18: \$4,962.80/yr		
Elko County Fire Protection	2/12/15: \$3,200/yr; 7/1/20: Addendum-Adj. Annually	July	
Elko County School District	7/9/15: \$8,622.50 for Y1; \$5,000/yr for Subsequent years		
Elko County School District	7/1/16: \$5,000/yr		
Everest Infrastructure	7/1/19: \$9,600/Yr + \$1600/1/2 rack + 10% Sub-lessee rent		9/10/20 - approved to add NDOT as sub-lessee
Faith Communications	1/1/21: \$800/qtr	January	
Faith Communications	1/1/21: \$800/qtr	January	
Global One Media	Assumed Ruby Radio Lease: 6/1/22: \$1,331.25/qtr (Adj. Annually)	April	
Ham Radio Club	7/1/20: \$1/yr (Adj. Annually)	July	
KRNV (Use to be KENV-TV)	4/1/10: \$540/mo (Adj. Annually) +Power (Est: \$2,644.32/yr)	April	
NV Dept of Info Tech	7/1/14: \$3,200/yr		
NV Dept of Transportation	7/1/18: \$11,600/yr		
Nevada Gold Mines	5/1/21: \$4,800/yr (Adj Annually)	July	
Premier Wireless	5/4/20: \$3,000/yr (Adj. Annually)	July	
Radio 74 Internationale	6/1/12: \$5,000/yr		Sent contract for signature
Rise Broadband	7/14/16: \$5,000/yr (\$1250/qtr); 3/1/19 \$4500/yr (\$1125/qtr)		Wants to add Equipment
Sky Fiber Video	11/11/21: \$5,450/yr (Adj. Annually)	July	
Sky Fiber Video			Wants to lease space & add equipment
Verizon	8/9/12: \$18,000/yr (paid Monthly), Adj 8% every renewal	September	Contract Revisions
Verizon	8/9/12: \$21,600/yr (paid monthly), Adj. 8% every renewal	September	Contract Revisions
Wells Rural Electric	6/1/12: \$3,200/yr; 7/1/19: \$4,200/yr		
White Cloud	4/15/19: \$3,200/yr		
White Cloud	4/15/19: \$3,200/yr; 1/9/20: Addendum +\$1,800/yr		



ELKO TELEVISION DISTRICT
PO Box 456
Elko, NV 89803

Invoice

Date	Invoice #
8/1/2022	2356

Bill To
Verizon Wireless PO Box 2167 Folsom, CA 95763-2167

THIS IS TO SHOW CURRENT MONTHLY
PAYMENT FROM VERIZON

			Terms
			Due upon Receipt
Description	Quantity	Rate	Amount
Grindstone Mountain - Monthly Tower Rent - August, 2022	1	1,749.60	1,749.60
Lamoille - Monthly Tower Rent - August, 2022	1	2,099.52	2,099.52
Accounts not paid within 60 days of the date of the invoice are subject to a 1.5% monthly finance charge.		Total	\$3,849.12

LO - TERM SHEET PROPOSAL

July 26, 2022

Elko Television District.
Elko Landmark Spring Creek, NV
ATTN: tv district Payten Government Board
Site Name: Elko Landmark **Site ID: 254439**

Dear Landlord,

I am following up with you regarding our recent telephone conversation setting forth Verizon Wireless's Lease Optimization Program. As discussed during our conversation, Verizon Wireless is interested in making certain modifications to the cell site lease regarding the Verizon Wireless communications facility on your property. These lease modifications will allow the cell site on your property to better meet Verizon Wireless's current operational needs and enhance its long-term value to the overall network.

Criteria for Cell Site Retention/Rent Guarantee Period

As we discussed, Verizon Wireless would like to include this site in its long-term portfolio under the following terms:

- **New Rent Amount** \$1700 per month, commencing on (11/1/2022)
- **New Rent Escalator** 8% every 5 year (next increase on 10/1/2027)
- **Additional Renewal Terms:** Six (6) additional five (5) year renewal terms
- **Rent Guarantee:** Verizon Wireless will modify its termination rights under the Lease to guarantee your rental income at an amount of \$ 1700 for the next 48 months.

The foregoing proposal does not constitute a binding offer to amend the lease. No legal obligation is created by this letter or any other written or oral communications until a written amendment to the lease has been signed by both Landlord and Verizon Wireless. Verizon Wireless will continue to abide by the terms of the current lease until an amendment has been executed or the existing lease has been terminated or expires. Verizon Wireless values its affiliation with you and hopes that you choose to secure your site(s) to continue a long and mutually profitable relationship in the years to come. After having reviewed this proposal, please contact me prior to **August 11, 2022**.

Sincerely,

The Verizon logo, consisting of the word "verizon" in a bold, black, sans-serif font, followed by a red checkmark symbol.

Christian Andino

Lease Consultant

LEASE OPTIMIZATION - CENREV

Office – 972-573-5955

180 Washington Valley Road, Bedminster, NJ 07921

Marisa Reeves

From: Gray, James <james.gray@verizonwireless.com>
Sent: Tuesday, August 2, 2022 10:13 AM
To: elkotvdistrict@gmail.com
Subject: Contract 112324 Elko Landmark
Attachments: 112324 TERM SHEET PROPOSAL Elko Landmark.docx

Good Afternoon Tv district Payten Government Board.

As per what we discussed on our last call here is the information you requested concerning the new lease amendment. The Real Estate team flagged your site and assigned it to me as we need to make some minor changes to our existing lease agreement. Like I mentioned during our call, we are looking to get this lease, and all the flagged leases, back on a long-term sustainable path both economically and with verbiage updates to certain provisions.

We want to extend your lease past the current expiration date, but we need to make some changes in order to do so. We need to make a minor reduction to the current rent, extend the lease past the current expiration, and in doing so as a thank you for working with us we are offering rent guarantees for the first X amount of years depending on the final percentage of savings we can agree on after you review our initial offer attached here.

Attached to this email are the new economic terms along with the original documentation for your site so you can have it at your disposal.

Once you review the attached please don't hesitate to reach out to me at my direct line with any questions or concerns you have.

Thank you for your time and for continuing to be partnered with us providing services to all of our Verizon family.

Respectfully

verizon✓

Christian Andino

Lease Consultant

Lease Optimization - CENREV

180 Washington Valley Road, Bedminster, NJ 07921

Christian.andino@[verizonwireless.com](mailto:christian.andino@verizonwireless.com)

LO - TERM SHEET PROPOSAL

July 8, 2022

Elko Television District
S33, T33N, R54Et., Carlin, NV
ATTN: Payten

Site Name: HUNTER Site ID: 254436

Dear Landlord,

I am following up with you regarding our recent telephone conversation setting forth Verizon Wireless's Lease Optimization Program. As discussed during our conversation, Verizon Wireless is interested in making certain modifications to the cell site lease regarding the Verizon Wireless communications facility on your property. These lease modifications will allow the cell site on your property to better meet Verizon Wireless's current operational needs and enhance its long-term value to the overall network.

Criteria for Cell Site Retention/Rent Guarantee Period

As we discussed, Verizon Wireless would like to include this site in its long-term portfolio under the following terms:

- **New Rent Amount** \$1400 per month, commencing on (10/1/2022)
- **New Rent Escalator** **8%** every 5 years (next increase on 9/30/2027)
- **Additional Renewal Terms:** Six (6) additional five (5) year renewal terms
- **Rent Guarantee:** Verizon Wireless will modify its termination rights under the Lease to guarantee your rental income at an amount of \$ 1400 for the next 48 months.

The foregoing proposal does not constitute a binding offer to amend the lease. No legal obligation is created by this letter or any other written or oral communications until a written amendment to the lease has been signed by both Landlord and Verizon Wireless. Verizon Wireless will continue to abide by the terms of the current lease until an amendment has been executed or the existing lease has been terminated or expires. Verizon Wireless values its affiliation with you and hopes that you choose to secure your site(s) to continue a long and mutually profitable relationship in the years to come. After having reviewed this proposal, please contact me prior to **July 22, 2022**.

Sincerely,

The Verizon logo, consisting of the word "verizon" in a bold, black, sans-serif font, followed by a red checkmark symbol.

Christian Andino

Lease Consultant

LEASE OPTIMIZATION - CENREV

Office – 972-573-5955

180 Washington Valley Road, Bedminster, NJ 07921

Marisa Reeves

From: ETV D Technician <elkotvdistrict@gmail.com>
Sent: Wednesday, July 27, 2022 10:06 AM
To: Marisa Reeves
Subject: Fwd: Verizon cell site: Contract 112678
Attachments: 112678 TERM SHEET PROPOSAL Hunter.docx

Follow Up Flag: Follow up
Flag Status: Flagged

----- Forwarded Message -----

Subject: Verizon cell site: Contract 112678
Date: Fri, 22 Jul 2022 14:01:35 -0700
From: Gray, James <james.gray@verizonwireless.com>
To: elkotvdistrict@gmail.com

2nd site

Hello,

My name is James Gray and I help manage the CENREV leasing team here at Verizon. You've been speaking with Christian Andino about amending your lease and attached are those new terms for your review. Unfortunately Christian's email address did not propagate correctly when we recently updated to a new server so IT is still working on getting that up and running for him. He didn't want you to have to wait any longer to receive these terms so he has asked me to forward them to you on his behalf. He is still your point of contact for any discussions and you can reach out to him directly at 972-573-5955.

You can also reply to this email chain and I will forward your message to him so the lease amendment discussion can continue.

Again apologies from Christian and I for the delay in getting these terms to you and we look forward to your feedback on these new amendment terms.

--

Respectfully,

verizon✓

James Gray

Sr Lease Consultant

Lease Optimization - CENREV

180 Washington Valley Road, Bedminster, NJ 07921

james.gray@[verizonwireless.com](mailto:james.gray@verizonwireless.com)

O: 972-573-5889

Marisa Reeves

From: Celeste Magennis <Celeste.Magennis@sacw.com>
Sent: Wednesday, August 3, 2022 9:20 AM
To: Paden Hilyard -- Eagle Communications
Cc: Elko Television District Technician; Marisa Reeves
Subject: RE: Verizon Wireless Telecommunication Facility Modification - Hunter

Good morning Paden,

The prelim drawings have just been completed with some redlines. My A&E team is starting the SA and have overlooked previous documents the Verizon has and they definitely have some concerns.

This site has a number of issues. **A PEL would not work in this case so an SA is needed.** Based on the structural report we have on the folder the tower only passed last time because the county it is in was using a very old code, but would have failed very badly under the newer codes currently in use based on what the SA states. So according to the previous SA anything other than a scope of work reducing loads would cause a retrofit to be required. On top of that we don't have foundation info for the site, current equipment info (the SA is too dated and does not seem to match well), and confirmation that the limited retrofit done in the previous SA was carried out. **So either documents confirming the retrofit, including foundation information, and a more recent SA with matching equipment would be needed or basically mappings for the foundation, equipment, tower retrofit, and a Geotech would be needed for whoever we are subcontracting this out for.**

Do you happen to have the documents our engineer is needing? I have Verizon looking, but sometimes the owner has better luck.

I also followed up to your question regarding the 2 old microwave dishes. Hoping to get a response.

Thanks,
Celeste Magennis
530.417.1883

From: Paden Hilyard -- Eagle Communications <paden@eaglecomelko.com>
Sent: Monday, June 27, 2022 10:30 AM
To: Celeste Magennis <Celeste.Magennis@sacw.com>
Cc: Elko Television District Technician <elkotvdistrict@gmail.com>; Marisa Reeves <mreeves@mmc.cpa>
Subject: Re: Verizon Wireless Telecommunication Facility Modification - Hunter

Hi Celeste,

Our records show that the tower on Grindstone (Hunter) is close to structural capacity. For any increase in dish size, or dish additions, the District will require a structural analysis to be completed on the tower to ensure that loading doesn't exceed the engineered loading limits. If the proposed equipment is expected to overload the existing structure, an engineered solution to strengthen the tower may be an acceptable solution.

There may be some old District microwave dishes that may also be able to be removed to balance the loading for the tower. If the 2 old microwave dishes can be removed, would Verizon be willing to drop the dishes to balance loading and free up enough space to be able to install the Emigrant dish?

Thanks!

Paden Hilyard -- Communications Supervisor

Eagle Communications, LLC.

180 River Street

Elko, Nevada 89801

(775) 738-4055

paden@eaglecomelko.com

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On 6/23/2022 11:20 AM, Celeste Magennis wrote:

Hi Paden,

Thanks for your reply.

Verizon's proposal includes the following:

Proposed MW Equipment Changes for MW Link transmitting to Emigrant Peak:

Add (1) RFS SUX6-190B MW Antenna @ 50\''

Add (3) Nokia Wavence Ultra-Broadband ACM MW Radios @ 50\''

Add (1) 50\'' Cat5e Cable

Proposed MW Equipment Changes for MW Link transmitting to Elko Airport:

Remove (1) Commscope VHLPX4-11W MW Antenna @ 40\\'\\'

Remove (1) 40\\'\\' Waveguide Run

Add (1) RFS UXA6-190B MW Antenna @ 40\\'\\'

Add (2) Nokia Wavence Ultra-Broadband ACM MW Radios @ 40\\'\\'

Add (1) 40\\'\\' Cat5e Cable

We are still in early stages of this, and don't have drawings yet. But I can send them over as well as a consent letter when I get them. Is there anything on my end that you will need?

Thanks,
Celeste Magennis
530.417.1883

From: Paden Hilyard -- Eagle Communications <paden@eaglecomelko.com>
Sent: Thursday, June 23, 2022 10:50 AM
To: Celeste Magennis <Celeste.Magennis@sacw.com>
Subject: Re: Verizon Wireless Telecommunication Facility Modification - Hunter

Hi Celeste,

I can absolutely help with this. I'm the primary technical and site contact for the Elko TV District. What modifications are you looking to perform at Grindstone (Hunter)?

Thanks!

Paden Hilyard -- Communications Supervisor

Eagle Communications, LLC.

180 River Street

Elko, Nevada 89801

(775) 738-4055

paden@eaglecomelko.com

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On 6/23/2022 10:41 AM, Celeste Magennis wrote:

Hello:

I work for SAC Wireless on behalf of Verizon Wireless. Verizon Wireless is planning on a modification on an existing facility located in Elko County. APN: 005-50A-001 outside of Carlin. Latitude: 40.699764 Longitude: -115.902675

I was given this contact information, can you help with this?

Best regards,

Celeste Magennis

Celeste Magennis | Specialist, Professional Services | M: 530.417.1883

SAC Wireless | 333 University Ave., Suite 200, Sacramento, CA 95825

celeste.magennis@sacw.com | www.sacw.com

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Marisa Reeves

From: ETV D Technician <elkotvdistrict@gmail.com>
Sent: Monday, October 3, 2022 4:34 PM
To: Celeste Magennis; Paden Hilyard - Eagle Communications
Cc: Marisa Reeves
Subject: Re: Verizon Wireless Telecommunication Facility Modification - Hunter

Hi Celeste,

Correct. I'd be the primary point of contact for the site.

Site access is actually open. Verizon has an open shelter on the mountain top, and there are no locked gates to the site during daylight hours. The ranch the access road passes through does have an electronic gate that closes after hours. I'll have to dig up the assigned combination to that gate.

The Geotech can be done. Be sure to let them know to bring a rock drill if they want to go any deeper than a few inches.

Thanks!

On 9/30/2022 9:41 AM, Celeste Magennis wrote:

Hi Paden,

Just sending an update. Verizon is going to have foundation mapping done, and needing to get a Geotech report completed. The Geotech requires boring the ground. Would you be the best person for them to contact for this?

Our construction team did do a structural analysis, and it did fail as you suspected.

Structure Rating (max from all components) =	105.9%
--	--------

CONCLUSION:

The existing Self-Support Tower does not have sufficient capacity based on analysis methods used to carry the existing and proposed loads. Further modifications are required at this time.

It's recommended to gather an equipment mapping along with a tower mapping in order to analyze with the exact equipment models & geometry in future.

Also, some of the notes Verizon has on file are outdated or non-existent for access, what would be the best way for the team to access the premise?

Please let me know if you have any questions.

Thanks,

Celeste Magennis

530.417.1883

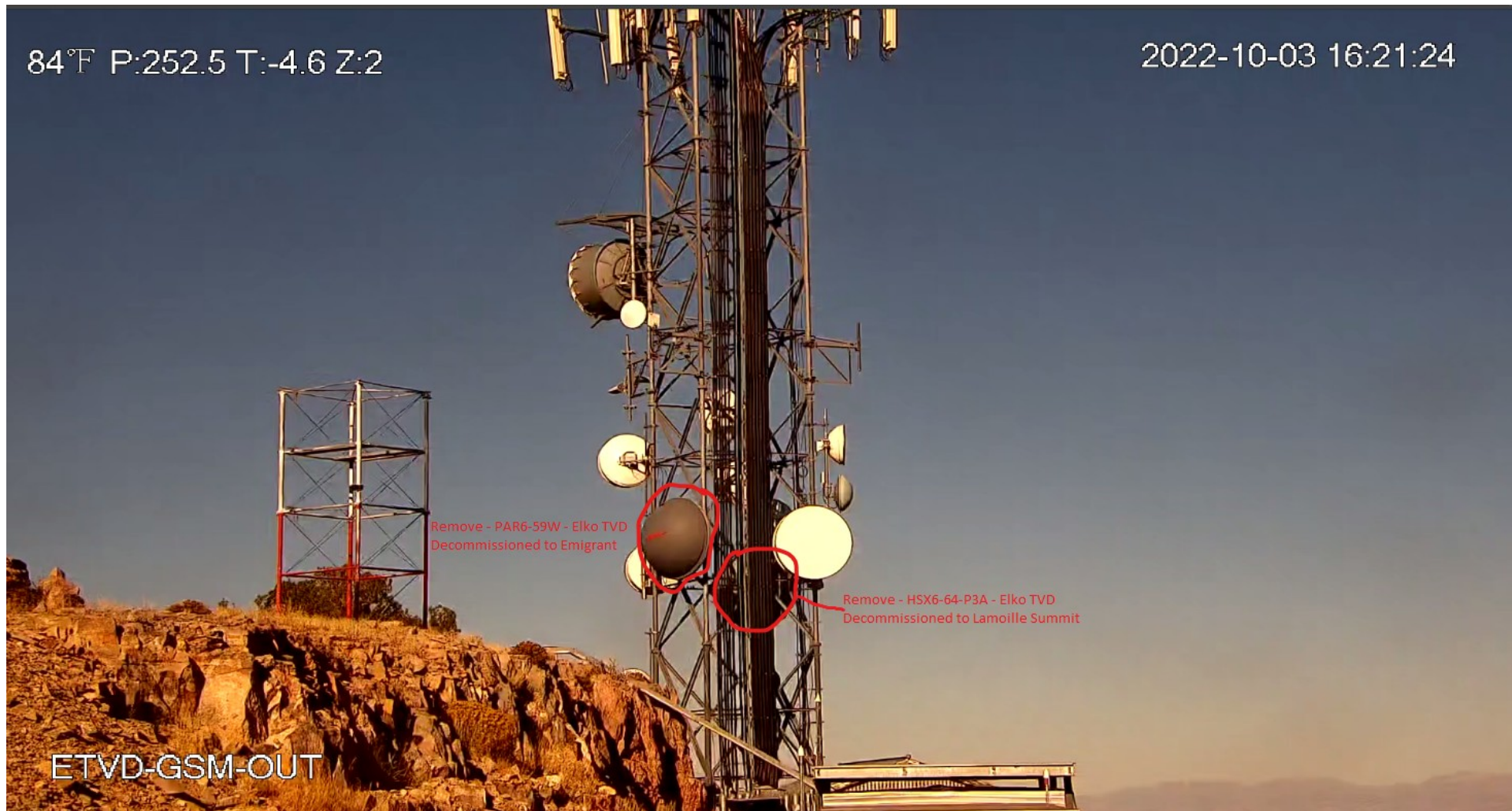
From: Paden Hilyard - Eagle Communications <paden@eaglecomelko.com>

Sent: Tuesday, August 23, 2022 8:10 PM

To: Celeste Magennis <Celeste.Magennis@sacw.com>

84°F P:252.5 T:-4.6 Z:2

2022-10-03 16:21:24



Remove - PAR6-59W - Elko TVD
Decommissioned to Emigrant

Remove - HSX6-64-P3A - Elko TVD
Decommissioned to Lamoille Summit

ETVD-GSM-OUT

Marisa Reeves

From: ETVD Technician <elkotvdistrict@gmail.com>
Sent: Monday, October 3, 2022 4:29 PM
To: Celeste Magennis; Paden Hilyard - Eagle Communications
Cc: Marisa Reeves
Subject: Re: Verizon Wireless Telecommunication Facility Modification - Hunter
Attachments: Screenshot 2022-10-03 162253.png

Hi Celeste,

The 2 dishes that can be removed belong to the TV District. Rights to remove will be granted.

I believe the 2 dishes (if I'm reading the SA correctly) are
Leg D - 30'10" - PAR6-59W.
Leg B - 28'3" - HSX6-64-P3A

They are also noted on the attached image of the tower. The PAR6 used to be an antenna we had that went to Marys Mountain, which is just a couple miles north of Emigrant.

Could you also have your engineers check to see if placing the Emigrant dish in the same general area as the PAR6-59W would work? This would put the rad center between 30 and 40 feet. That would hopefully save a little bit of wind loading higher on the tower as well.

On 9/30/2022 2:39 PM, Celeste Magennis wrote:

Hi Paden,

I have a couple more questions for you. A while back you mentioned "There may be some old District microwave dishes that may also be able to be removed to balance the loading for the tower. If the 2 old microwave dishes can be removed, would Verizon be willing to drop the dishes to balance loading and free up enough space to be able to install the Emigrant dish?"

Verizon is asking if you know who's microwaves these are, and would they have the rights to remove them. Also, on the SA attached, can they be identified?

Thanks for your help,
Celeste

From: Celeste Magennis
Sent: Friday, September 30, 2022 9:41 AM
To: Paden Hilyard - Eagle Communications <paden@eaglecomelko.com>
Cc: Elko Television District Technician <elkotvdistrict@gmail.com>; Marisa Reeves <mreeves@mmc.cpa>
Subject: RE: Verizon Wireless Telecommunication Facility Modification - Hunter

Hi Paden,

Just sending an update. Verizon is going to have foundation mapping done, and needing to get a Geotech report completed. The Geotech requires boring the ground. Would you be the best person for them to contact for this?

Our construction team did do a structural analysis, and it did fail as you suspected.

Structure Rating (max from all components) =

105.9%

CONCLUSION:

The existing Self-Support Tower does not have sufficient capacity based on analysis methods used to carry the existing and proposed loads. Further modifications are required at this time.

It's recommended to gather an equipment mapping along with a tower mapping in order to analyze with the exact equipment models & geometry in future.

Also, some of the notes Verizon has on file are outdated or non-existent for access, what would be the best way for the team to access the premise?

Please let me know if you have any questions.

Thanks,

Celeste Magennis

530.417.1883

From: Paden Hilyard - Eagle Communications <paden@eaglecomelko.com>

Sent: Tuesday, August 23, 2022 8:10 PM

To: Celeste Magennis <Celeste.Magennis@sacw.com>

Cc: Elko Television District Technician <elkotvdistrict@gmail.com>; Marisa Reeves <mreeves@mmc.cpa>

Subject: RE: Verizon Wireless Telecommunication Facility Modification - Hunter

Hi Celeste,

I'm still digging through unlabeled boxes to see if we received any copies of the SA when ATT strengthened the tower 5 or 6 years ago. I'm fairly certain we didn't, since I haven't found any records regarding that tower modification in the sorted records.

Thanks!

Paden Hilyard - Eagle Communications, LLC

775-738-4055

Mobile e-mail.

On Aug 23, 2022, at 09:42, Celeste Magennis <celeste.magennis@sacw.com> wrote:

Good morning Paden,

Following up from my previous emails. Do you by chance happen to have a recent SA you are able to share with me. I know that the integrity of the tower is most important as you had mentioned. My A&E team is asking if I can see if you have one.

Thanks for your help.

Thanks,

Celeste Magennis

530.417.1883

From: Celeste Magennis

Sent: Friday, August 12, 2022 4:06 PM

To: Paden Hilyard -- Eagle Communications <paden@eaglecomelko.com>

Cc: Elko Television District Technician <elkotvdistrict@gmail.com>; Marisa Reeves

<mreeves@mmc.cpa>

Subject: RE: Verizon Wireless Telecommunication Facility Modification - Hunter

Happy Friday Paden,

Just following up on my email to see if you by chance happen to have a more recent SA that you can share with me. My contact with Verizon isn't having luck, and my A&E team is requesting them, so just thought I would check with you.

Thanks,

Celeste Magennis

530.417.1883

From: Celeste Magennis

Sent: Wednesday, August 3, 2022 9:20 AM

To: Paden Hilyard -- Eagle Communications <paden@eaglecomelko.com>

Cc: Elko Television District Technician <elkotvdistrict@gmail.com>; Marisa Reeves <mreeves@mmc.cpa>

Subject: RE: Verizon Wireless Telecommunication Facility Modification - Hunter

Good morning Paden,

The prelim drawings have just been completed with some redlines. My A&E team is starting the SA and have overlooked previous documents the Verizon has and they definitely have some concerns.

This site has a number of issues. A PEL would not work in this case so an SA is needed. Based on the structural report we have on the folder the tower only passed last time because the county it is in was using a very old code, but would have failed very badly under the newer codes currently in use based on what the SA states. So according to the previous SA anything other than a scope of work reducing loads would cause a retrofit to be required. On top of that we don't have foundation info for the site, current equipment info (the SA is too dated and does not seem to match well), and confirmation that the limited retrofit done in the previous SA was carried out. So either documents confirming the retrofit, including foundation information, and a more recent SA with matching equipment would be needed or basically mappings for the foundation, equipment, tower retrofit, and a Geotech would be needed for whoever we are subcontracting this out for.

Do you happen to have the documents our engineer is needing? I have Verizon looking, but sometimes the owner has better luck.

I also followed up to your question regarding the 2 old microwave dishes. Hoping to get a response.

Thanks,

Celeste Magennis

530.417.1883

From: Paden Hilyard -- Eagle Communications <paden@eaglecomelko.com>

Sent: Monday, June 27, 2022 10:30 AM

To: Celeste Magennis <Celeste.Magennis@sacw.com>

Cc: Elko Television District Technician <elkotvdistrict@gmail.com>; Marisa Reeves <mreeves@mmc.cpa>

Subject: Re: Verizon Wireless Telecommunication Facility Modification - Hunter

Hi Celeste,

Our records show that the tower on Grindstone (Hunter) is close to structural capacity. For any increase in dish size, or dish additions, the District will require a structural analysis to be completed on the tower to ensure that loading doesn't exceed the engineered loading limits. If the proposed equipment is expected to overload the existing structure, an engineered solution to strengthen the tower may be an acceptable solution.

There may be some old District microwave dishes that may also be able to be removed to balance the loading for the tower. If the 2 old microwave dishes can be removed, would Verizon be willing to drop the dishes to balance loading and free up enough space to be able to install the Emigrant dish?

Thanks!

Paden Hilyard -- Communications Supervisor

Eagle Communications, LLC.

180 River Street

Elko, Nevada 89801

(775) 738-4055

paden@eaglecomelko.com

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On 6/23/2022 11:20 AM, Celeste Magennis wrote:

Hi Paden,

Thanks for your reply.

Verizon's proposal includes the following:

Proposed MW Equipment Changes for MW Link transmitting to Emigrant Peak:

Add (1) RFS SUX6-190B MW Antenna @ 50\''

Add (3) Nokia Wavence Ultra-Broadband ACM MW Radios @ 50\''

Add (1) 50\'' Cat5e Cable

Proposed MW Equipment Changes for MW Link transmitting to Elko Airport:

Remove (1) Commscope VHLPX4-11W MW Antenna @ 40\''

Remove (1) 40\'' Waveguide Run

Add (1) RFS UXA6-190B MW Antenna @ 40\''

Add (2) Nokia Wavence Ultra-Broadband ACM MW Radios @ 40\''

Add (1) 40\'' Cat5e Cable

We are still in early stages of this, and don't have drawings yet. But I can send them over as well as a consent letter when I get them. Is there anything on my end that you will need?

Thanks,

Celeste Magennis

530.417.1883

From: Paden Hilyard -- Eagle Communications <paden@eaglecomelko.com>

Sent: Thursday, June 23, 2022 10:50 AM

To: Celeste Magennis <Celeste.Magennis@sacw.com>

Subject: Re: Verizon Wireless Telecommunication Facility Modification - Hunter

Hi Celeste,

I can absolutely help with this. I'm the primary technical and site contact for the Elko TV District. What modifications are you looking to perform at Grindstone (Hunter)?

Thanks!

Paden Hilyard -- Communications Supervisor

Eagle Communications, LLC.

180 River Street

Elko, Nevada 89801

(775) 738-4055

paden@eaglecomelko.com

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On 6/23/2022 10:41 AM, Celeste Magennis wrote:

Hello:

I work for SAC Wireless on behalf of Verizon Wireless. Verizon Wireless is planning on a modification on an existing facility located in Elko County. APN: 005-50A-001 outside of Carlin.

Latitude: 40.699764 Longitude: -115.902675

I was given this contact information, can you help with this?

Best regards,

Celeste Magennis

Structural Analysis Report

Structure: 92'-6" Self-Support Tower

Carrier: Verizon

Project: MW Upgrade

Site #: 254436

Site Name: Hunter

Address: 233, T33N, R54E, Carlin, NV 89801

Coordinates: 40.699764°, -115.902675°

County: Elko

Jurisdiction: Elko County

LET'S #: S1-VAS-073

Date: September 15, 2022

Result

Self-Support Tower: 105.9% (Fail)

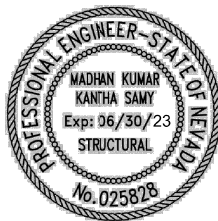
Anchor Bolt: 90.0% (Pass)



Aleida Acosta
Design Engineer



Madhan Kumar K, MS, PE
Director of Engineering



Hunter
254436
September 15, 2022

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Conclusion	6
Tower Analysis	Annexed
Anchor Bolt Analysis	Annexed

ANALYSIS SUMMARY:

We have completed the Structural Analysis of the foregoing Self-Support Tower to determine its ability to support the new loads proposed by SAC Wireless on behalf of Verizon.

The following information was provided for our pole structural analysis:

- Tower: Member sizes and configuration from the Previous Structural Analysis Report by Lambeth Engineering Services., dated July 9, 2012.
- Tower Loads: Existing equipment loading from Previous Structural Analysis Report by Lambeth Engineering Services., dated July 9, 2012 and proposed equipment loading from Construction Drawings by SAC A Nokia Company, dated July 27, 2022.

Table 1 summarizes the design criteria used for our structural analysis, Table 2 summarizes proposed equipment loading, Table 3 summarizes existing equipment loading, Table 4 summarizes the section capacity & Table 5 summarizes the Results. Attached is a copy of the structural calculations, which in addition to detailed results of the analysis also includes a tower profile with member sizes and configuration and the existing/proposed equipment list with types and location.

ANALYSIS CRITERIA:

The existing Self-Support Tower has been analyzed using tnx Tower (Version 8.1.1) software as per the following requirements:

Table 1 – Design Criteria

Criterion	Information Used
Codes & Referenced Standards	ASCE 7-16 2018 IBC TIA-222-H AISC Steel Construction Manual 15 th Edition
Jurisdiction	Elko County
Wind Speed (No Ice)	100 mph nominal (3 second gust)
Wind Speed (Ice)	30 mph nominal (3 second gust)
Ice Thickness	0.25 in
Exposure Category	C
Risk Category	II

1

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APPURTENANCES:

Table 2 - Proposed Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Items	Item Manufacturer	Item Model	Number of Feed Lines	Feed Line
50.0	50.0	1	CommScope	VHLPX6-18B	2	5/8" Hybrid
		1	Verizon	ODU		
41.0	41.0	1	CommScope	VHLPX6-18B	2	5/8" Hybrid
		1	Verizon	ODU		

Table 3 - Existing Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Items	Item Manufacturer	Item Model	Number of Feed Lines	Feed Line
92.5	92.5	-	-	-	14	Climbing Ladder LDF5-50A
89.5	89.5	4	CommScope	ASP-705	-	-
89.0	89.0	12	Amphenol	LPA-80063/4CF	-	-
87.5	87.5	-	-	-	8	AVA5-50
75.9	75.9	2	CommScope	DBXHL-6565A-VTM	-	-
		6	Amphenol	LPA-80063-8CF-EDIN-X		
		6	CommScope	LNX-6515DS-VTM	-	-
75.5	75.5	-	-	-	24	AVA5-50
62.5	62.5	1	CommScope	VHLP4-11	-	-
47.5	47.5	1	Scala	PR-TV	-	-
		2	Generic	4"x4" Pipe Mount	-	-
42.5	42.5	1	CommScope	VHLP4-11	11	CA-0287
41.5	41.5	1	CommScope	PRF-52	-	-
40.0	40.0	-	-	-	1	EW63
36.0	36.0	1	RFS	SPF2-52CN	1	EW52
30.8	30.8	1	CommScope	PAR6-59W	-	-
29.7	29.7	1	RadioWaves	HP3-18DW2	-	-
29.1	29.1	1	Andrew	PX4F-52-N7A	-	-
28.2	28.2	1	Andrew	HSX6-64 P3A	2	EW63
20.5	20.5	1	Gabriel Electronics	RSS2-57BSE	-	-
18.5	18.5	1	RadioWaves	HP6-59RS	-	-
17.5	17.5	1	Gabriel Electronics	RSS2-57BSE	-	-
14.5	14.5	1	Gabriel Electronics	RSS2-57BSE	-	-

2

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ASSUMPTIONS AND LIMITATIONS:

1. This report is based solely on the information supplied to us as listed in the "Design Information" section of this report, and the results, in turn, are only as accurate as data extracted from this information. Any existing modifications not listed in "Design Information" section of this report have not been considered in the analysis. This report is considered void if any of the listed information or assumptions stated herein is inaccurate.
2. The existing tower has been maintained to manufacturer's specifications and is in good condition.
3. All member connections are assumed to be designed to meet the load carrying capacity of the connected member.
4. Any existing modifications to the tower have been installed in accordance with original design drawings and are in satisfactory condition to carry their full design capacity.
5. Existing and proposed equipment is listed in Table 2 & Table 3. If there are any discrepancies in the equipment listed above, then this report will be considered as void and LETS America, Inc., should be contacted for further revision.
6. Assumptions made with regards to equipments sizes and their projected areas, are based on our best interpretation of the provided information and our best knowledge of industry practice.
7. Analysis of Antenna Mounts and mounting hardware for the proposed loads is not in the scope of this report.
8. The potential may exist that the existing site conditions may not align with those assumed or anticipated. An altered field condition discovered during the installation of the telecom equipment should be brought to the attention of LETS America, Inc., for subsequent consideration, analysis, and possible revision approach.
9. No existing materials evaluation, inspection, or monitoring of the existing structure was performed by LETS America, Inc., for this structural review associated with the site modification for SAC Wireless (254436) in Carlin, NV. Please advise if you have any questions and/or comments regarding the information contained within.
10. LETS America, Inc., is not responsible for the conclusions, Opinions and Recommendations made by others based on the information we supplied in this report.
11. The existing foundation was not evaluated because no information was made available at the time of this analysis.
12. Per site photos, the previous MOD to install double angle for diagonal was not found. The original diagonal size was used to analyze the tower.

DISCLAIMER:

LETS America, Inc., makes no warranties, expressed or implied, in connection with this report, and disclaims any liability arising from material, fabrication and erection of this tower. LETS America, Inc., will not be responsible whatsoever for or on account of, consequential or incidental damages sustained by any person, firm, or organization as a result of any data or conclusions contained in this report. The maximum liability of LETS America, Inc., pursuant to this report will be limited to the total fee received for preparation of this report.

ANALYSIS RESULTS:

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (lb)	SF*P_allow (lb)	% Capacity	Pass / Fail
T1	92.5 - 82.5	Leg	HSS4.5x.237	3	-1088.52	80643.20	1.3	Pass
T2	82.5 - 72.5	Leg	HSS4.5x.237	23	-3271.68	80643.20	4.1	Pass
T3	72.5 - 62.5	Leg	HSS4.5x.237	39	-7964.49	80643.20	9.9	Pass
T4	62.5 - 52.5	Leg	HSS4.5x.237	55	-13000.10	80643.20	16.1	Pass
T5	52.5 - 42.5	Leg	HSS4.5x.237	71	-20604.40	80643.20	25.6	Pass
T6	42.5 - 32.5	Leg	HSS4.5x.237	91	-28407.60	80643.20	35.2	Pass
T7	32.5 - 22.5	Leg	HSS4.5x.237	107	-39070.20	80643.20	48.4	Pass
T8	22.5 - 12.5	Leg	HSS4.5x.237	123	-49319.70	80643.20	61.2	Pass
T9	12.5 - 2.5	Leg	HSS4.5x.237	139	-56110.90	80643.20	69.6	Pass
T1	92.5 - 82.5	Diagonal	L2 1/2x2 1/2x3/16	17	-804.62	10974.70	7.3	Pass
							9.9 (b)	
T2	82.5 - 72.5	Diagonal	L2 1/2x2 1/2x3/16	34	-1786.03	10974.70	16.3	Pass
							21.6 (b)	
T3	72.5 - 62.5	Diagonal	L2 1/2x2 1/2x3/16	49	-2481.81	10974.70	22.6	Pass
							31.3 (b)	
T4	62.5 - 52.5	Diagonal	L2 1/2x2 1/2x3/16	66	-3080.18	10974.70	28.1	Pass
							37.3 (b)	
T5	52.5 - 42.5	Diagonal	L2 1/2x2 1/2x3/16	85	-3871.60	10974.70	35.3	Pass
							48.1 (b)	
T6	42.5 - 32.5	Diagonal	L2 1/2x2 1/2x3/16	95	-4558.10	10974.70	41.5	Pass
							56.1 (b)	
T7	32.5 - 22.5	Diagonal	L2 1/2x2 1/2x3/16	117	-5288.89	10974.70	48.2	Pass

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Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (lb)	SF*P allow (lb)	% Capacity	Pass / Fail
							66.6 (b)	
T8	22.5 - 12.5	Diagonal	L2 1/2x2 1/2x3/16	127	-5973.54	10974.70	54.4	Pass
							73.5 (b)	
T9	12.5 - 2.5	Diagonal	L2 1/2x2 1/2x3/16	149	-9205.52	10974.70	83.9	Fail ✗
							105.9 (b)	
T1	92.5 - 82.5	Secondary Horizontal	2L2x2x3/16x3/8	22	-398.69	25355.00	1.6	Pass
T2	82.5 - 72.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	38	-619.60	11482.20	5.4	Pass
T3	72.5 - 62.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	53	-161.42	11482.20	1.4	Pass
T4	62.5 - 52.5	Secondary Horizontal	2L2x2x3/16x3/8	69	-214.19	25355.00	0.8	Pass
T5	52.5 - 42.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	90	-438.91	11482.20	3.8	Pass
T6	42.5 - 32.5	Secondary Horizontal	2L2x2x3/16x3/8	105	-431.12	25355.00	1.7	Pass
T7	32.5 - 22.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	121	-653.50	11482.20	5.7	Pass
T8	22.5 - 12.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	136	-690.55	11482.20	6.0	Pass
T9	12.5 - 2.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	160	-324.57	11482.20	2.8	Pass
T1	92.5 - 82.5	Top Girt	2L2x2x3/16	9	-115.20	15388.40	0.7	Pass
T5	52.5 - 42.5	Top Girt	2L2x2x5/16	76	-39.12	23483.50	0.2	Pass
							0.5 (b)	
T9	12.5 - 2.5	Top Girt	2L2 1/2x2 1/2x3/16x3/8	147	-3945.12	27672.60	14.3	Pass
							28.9 (b)	
T1	92.5 - 82.5	Inner Bracing	L1 3/4x1 3/4x3/16	5	-14.89	954.28	1.6	Pass
T9	12.5 - 2.5	Inner Bracing	L2 1/2x2 1/2x3/16	143	-180.18	2878.81	6.3	Pass
							Summary	
						Leg (T9)	69.6	Pass

5

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Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (lb)	SF*P allow (lb)	% Capacity	Pass / Fail
						Diagonal (T9)	105.9	Fail ✗
						Secondary Horizontal (T8)	6.0	Pass
						Top Girt (T9)	28.9	Pass
						Inner Bracing (T9)	6.3	Pass
						Bolt Checks	105.9	Fail ✗
						RATING =	105.9	Fail ✗

Table 5 – Summary of Results

Notes.	Component	Capacity	Pass/Fail
-	Self-Support Tower	105.9%	Fail
1	Anchor Rod	90.0%	Pass

Structure Rating (max from all components) = 105.9%

CONCLUSION:

The existing Self-Support Tower does not have sufficient capacity based on analysis methods used to carry the existing and proposed loads. Further modifications are required at this time.

It's recommended to gather an equipment mapping along with a tower mapping in order to analyze with the exact equipment models & geometry in future.

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TOWER ANALYSIS

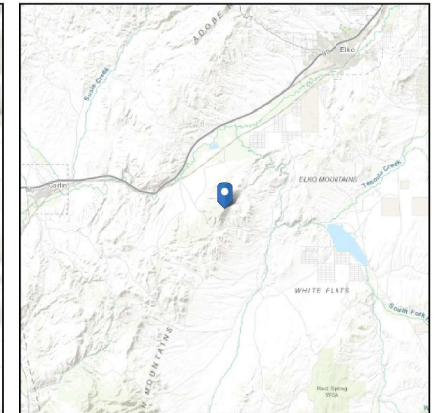
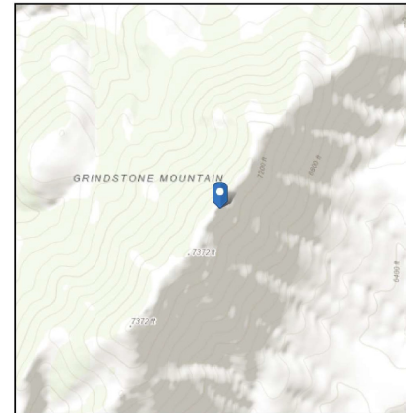


Address:
No Address at This
Location

ASCE 7 Hazards Report

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see
Section 11.4.3)

Elevation: 7335.67 ft (NAVD 88)
Latitude: 40.699764
Longitude: -115.902675



Wind

Results:

Wind Speed	100 Vmph
10-year MRI	71 Vmph
25-year MRI	77 Vmph
50-year MRI	81 Vmph
100-year MRI	86 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Tue Sep 13 2022

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

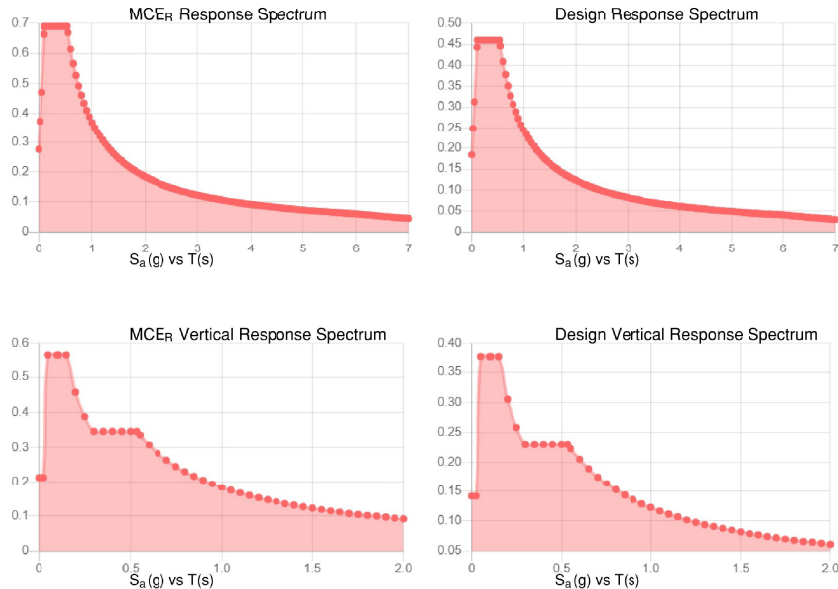
Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

Site Soil Class: D - Default (see Section 11.4.3)

Results:

S_S :	0.49	S_{D1} :	0.245
S_1 :	0.162	T_L :	6
F_a :	1.408	PGA :	0.218
F_v :	2.277	PGA_M :	0.301
S_{MS} :	0.69	F_{PGA} :	1.382
S_{M1} :	0.368	I_e :	1
S_{DS} :	0.46	C_v :	1.027

Seismic Design Category D



Data Accessed: Tue Sep 13 2022

Date Source: USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Results:

Ice Thickness:	0.25 in.
Concurrent Temperature:	15 F
Gust Speed	30 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Tue Sep 13 2022

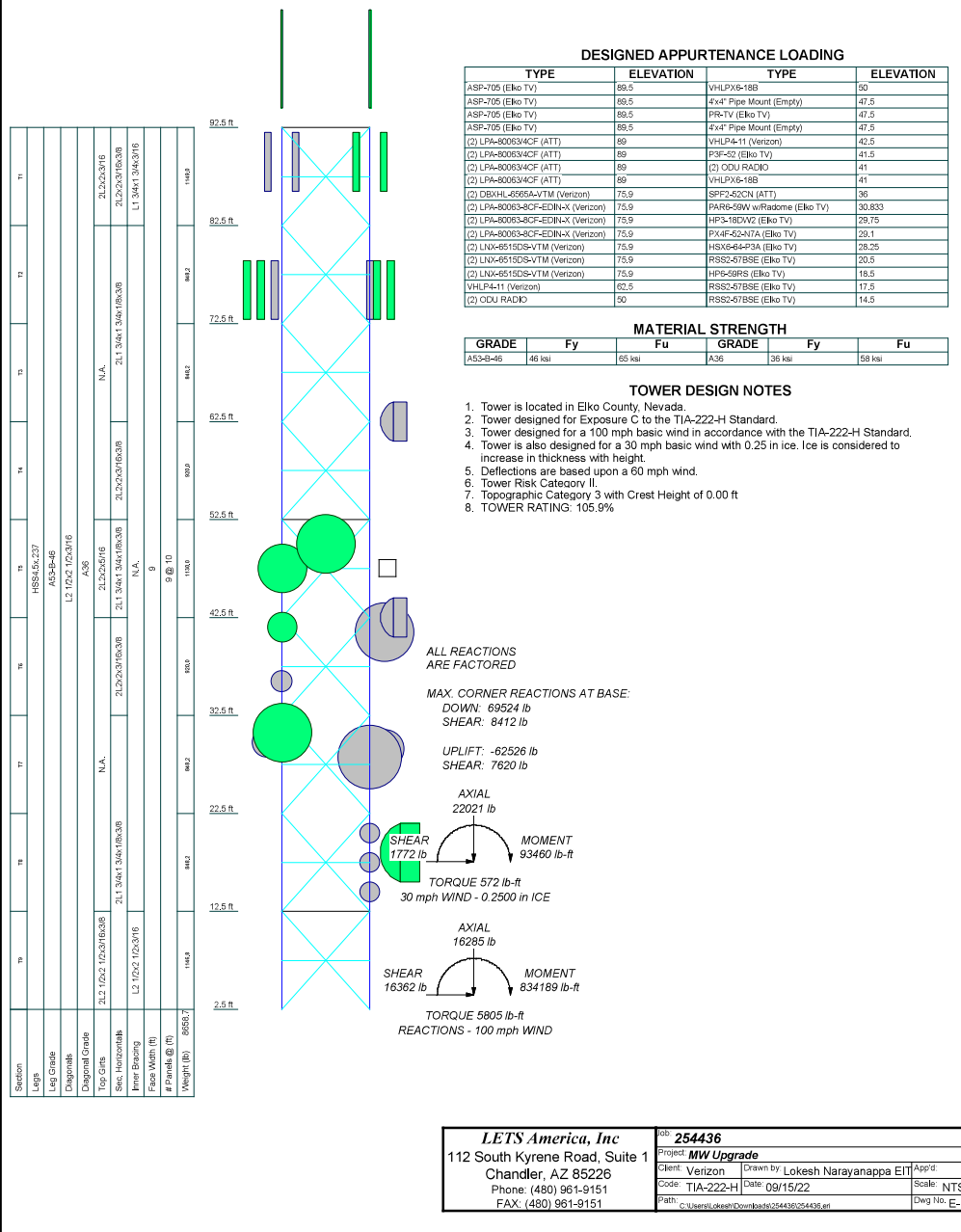
Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

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Job 254436
Project MW Upgrade
Client Verizon
Page 1 of 27
Date 10:45:02 09/15/22
Designed by Lokesh Narayanappa EIT

Tower Input Data

The main tower is a 4x free standing tower with an overall height of 92.50 ft above the ground line. The base of the tower is set at an elevation of 2.50 ft above the ground line. The face width of the tower is 9.00 ft at the top and 9.00 ft at the base. This tower is designed using the TIA-222-H standard. The following design criteria apply:

Tower is located in Elko County, Nevada.
Tower base elevation above sea level: 7338.17 ft.
Basic wind speed of 100 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 3.
Crest Height: 0.00 ft.
Nominal ice thickness of 0.2500 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 30 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in tower member design is 1.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

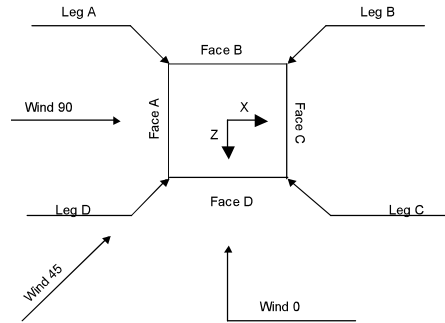
Options

- Consider Moments - Legs
- Consider Moments - Horizontals
- Consider Moments - Diagonals
- Use Moment Magnification
- Use Code Stress Ratios
- Use Code Safety Factors - Guys
- Escalate Ice
- Always Use Max Kz
- Use Special Wind Profile
- Include Bolts In Member Capacity
- Leg Bolts Are At Top Of Section
- Secondary Horizontal Braces Leg
- Use Diamond Inner Bracing (4 Sided)
- SR Members Have Cut Ends
- SR Members Are Concentric
- Distribute Leg Loads As Uniform
- Assume Legs Pinned
- Assume Rigid Index Plate
- Use Clear Spans For Wind Area
- Use Clear Spans For KL/r
- Retension Guys To Initial Tension
- Bypass Mast Stability Checks
- Use Azimuth Dish Coefficients
- Project Wind Area of Appurt.
- Autocalc Torque Arm Areas
- Add IBC 6D+W Combination
- Sort Capacity Reports By Component
- Triangulate Diamond Inner Bracing
- Treat Feed Line Bundles As Cylinder
- Ignore KL/r for 60 Deg. Angle Legs
- Use ASCE 10 X-Brace Ly Rules
- Calculate Redundant Bracing Forces
- Ignore Redundant Members in FEA
- SR Leg Bolts Resist Compression
- All Leg Panels Have Same Allowable
- Offset Girt At Foundation
- Consider Feed Line Torque
- Include Angle Block Shear Check
- Use TIA-222-H Bracing Resist. Exemption
- Use TIA-222-H Tension Splice Exemption
- Include Shear-Torsion Interaction
- Always Use Sub-Critical Flow
- Use Top Mounted Sockets
- Pole Without Linear Attachments
- Pole With Shroud Or No Appurtenances
- Outside and Inside Corner Radii Are Known



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Square Tower

Tower Section Geometry

Tower Section	Tower Elevation ft	Assembly Database	Description	Section Width ft	Number of Sections	Section Length ft
T1	92.50-82.50			9.00	1	10.00
T2-T3	82.50-62.50			9.00	2	10.00
T4	62.50-52.50			9.00	1	10.00
T5	52.50-42.50			9.00	1	10.00
T6	42.50-32.50			9.00	1	10.00
T7	32.50-22.50			9.00	1	10.00
T8	22.50-12.50			9.00	1	10.00
T9	12.50-2.50			9.00	1	10.00

Tower Section Geometry (cont'd)

Tower Section	Tower Elevation ft	Diagonal Spacing ft	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset in	Bottom Girt Offset in
T1	92.50-82.50	10.00	X Brace	No	Yes	0.0000	0.0000
T2-T3	82.50-62.50	10.00	X Brace	No	Yes	0.0000	0.0000
T4	62.50-52.50	10.00	X Brace	No	Yes	0.0000	0.0000
T5	52.50-42.50	10.00	X Brace	No	Yes	0.0000	0.0000
T6	42.50-32.50	10.00	X Brace	No	Yes	0.0000	0.0000
T7	32.50-22.50	10.00	X Brace	No	Yes	0.0000	0.0000
T8	22.50-12.50	10.00	X Brace	No	Yes	0.0000	0.0000
T9	12.50-2.50	10.00	X Brace	No	Yes	0.0000	0.0000



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Tower Section Geometry (cont'd)

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 92.50-82.50	Pipe	HSS4.5x 237	A53-43-46 (46 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36 (36 ksi)
T2-T3 82.50-62.50	Pipe	HSS4.5x 237	A53-43-46 (46 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36 (36 ksi)
T4 62.50-52.50	Pipe	HSS4.5x 237	A53-43-46 (46 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36 (36 ksi)
T5 52.50-42.50	Pipe	HSS4.5x 237	A53-43-46 (46 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36 (36 ksi)
T6 42.50-32.50	Pipe	HSS4.5x 237	A53-43-46 (46 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36 (36 ksi)
T7 32.50-22.50	Pipe	HSS4.5x 237	A53-43-46 (46 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36 (36 ksi)
T8 22.50-12.50	Pipe	HSS4.5x 237	A53-43-46 (46 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36 (36 ksi)
T9 12.50-2.50	Pipe	HSS4.5x 237	A53-43-46 (46 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36 (36 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 92.50-82.50	Double Equal Angle	2L2x2x3/16	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T5 52.50-42.50	Double Equal Angle	2L2x2x5/16	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T9 12.50-2.50	Double Equal Angle	2L2 1/2x2 1/2x3/16x3/8	A36 (36 ksi)	Solid Round		A36 (36 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
T1 92.50-82.50	Double Equal Angle	2L2x2x3/16x3/8	A36 (36 ksi)	Equal Angle	L1 3/4x1 3/4x3/16	A36 (36 ksi)
T2-T3 82.50-62.50	Double Equal Angle	2L1 3/4x1 3/4x1/8x3/8	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T4 62.50-52.50	Double Equal Angle	2L2x2x3/16x3/8	A36 (36 ksi)	Equal Angle	L1 3/4x1 3/4x3/16	A36 (36 ksi)
T5 52.50-42.50	Double Equal Angle	2L1 3/4x1 3/4x1/8x3/8	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T6 42.50-32.50	Double Equal Angle	2L2x2x3/16x3/8	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T7 32.50-22.50	Double Equal Angle	2L1 3/4x1 3/4x1/8x3/8	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T8 22.50-12.50	Double Equal Angle	2L1 3/4x1 3/4x1/8x3/8	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)

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Tower Elevation	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
ft	Angle					
T9 12.50-2.50	Double Equal Angle	2L1 3/4x1 3/4x1/8x3/8	(36 ksi) A36 (36 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	(50 ksi) A36 (36 ksi)

Tower Section Geometry (cont'd)

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft ²	in					in	in	in
T1 92.50-82.50	0.17	0.3650	A36 (36 ksi)	1	1	1	Mid-Pt	Mid-Pt	Mid-Pt
T2-T3	0.17	0.3650	A36 (36 ksi)	1	1	1	Mid-Pt	Mid-Pt	Mid-Pt
T4 62.50-52.50	0.17	0.3650	A36 (36 ksi)	1	1	1	Mid-Pt	Mid-Pt	Mid-Pt
T5 52.50-42.50	0.17	0.3650	A36 (36 ksi)	1	1	1	Mid-Pt	Mid-Pt	Mid-Pt
T6 42.50-32.50	0.17	0.3650	A36 (36 ksi)	1	1	1	Mid-Pt	Mid-Pt	Mid-Pt
T7 32.50-22.50	0.17	0.3650	A36 (36 ksi)	1	1	1	Mid-Pt	Mid-Pt	Mid-Pt
T8 22.50-12.50	0.17	0.3650	A36 (36 ksi)	1	1	1	Mid-Pt	Mid-Pt	Mid-Pt
T9 12.50-2.50	0.17	0.3650	A36 (36 ksi)	1	1	1	12.0000	Mid-Pt	Mid-Pt

Tower Section Geometry (cont'd)

Tower Elevation	Calc K Single Angles	Calc K Solid Rounds	K Factors ¹						
			Legs	X Brace Diags	K Brace Diags	Single Diags	Girts	Horiz.	Sec. Horiz.
			X' Y'	X' Y'	X' Y'	X' Y'	X' Y'	X' Y'	X' Y'
T1	Yes	No	1	1	1	1	1	1	1
92.50-82.50				1	1	1	1	1	1
T2-T3	Yes	No	1	1	1	1	1	1	1
82.50-62.50				1	1	1	1	1	1
T4	Yes	No	1	1	1	1	1	1	1
62.50-52.50				1	1	1	1	1	1
T5	Yes	No	1	1	1	1	1	1	1
52.50-42.50				1	1	1	1	1	1
T6	Yes	No	1	1	1	1	1	1	1
42.50-32.50				1	1	1	1	1	1
T7	Yes	No	1	1	1	1	1	1	1
32.50-22.50				1	1	1	1	1	1
T8	Yes	No	1	1	1	1	1	1	1
22.50-12.50				1	1	1	1	1	1
T9 12.50-2.50	Yes	No	1	1	1	1	1	1	1

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Tower Elevation	Calc K Single Angles	Calc K Solid Rounds	K Factors ¹						
			Legs	X Brace Diags	K Brace Diags	Single Diags	Girts	Horiz.	Sec. Horiz.
			X' Y'	X' Y'	X' Y'	X' Y'	X' Y'	X' Y'	X' Y'
ft			1	1	1	1	1	1	1

¹Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.

Tower Section Geometry (cont'd)

Tower Elevation	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
ft	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 92.50-82.50	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2-T3	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
82.50-62.50														
T4 62.50-52.50	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 52.50-42.50	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 42.50-32.50	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 32.50-22.50	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 22.50-12.50	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 12.50-2.50	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
ft	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 92.50-82.50	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2-T3	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
82.50-62.50												
T4 62.50-52.50	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 52.50-42.50	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 42.50-32.50	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 32.50-22.50	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 22.50-12.50	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 12.50-2.50	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Section Geometry (cont'd)

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Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 92.50-82.50	Flange	0.6500	4	0.6250	1	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	0
T2-T3 82.50-62.50	Flange	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
		0.6500	4	0.6250	1	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	0
T4 62.50-52.50	Flange	0.6500	4	0.6250	1	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	0
T5 52.50-42.50	Flange	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
		0.6500	4	0.6250	1	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	0
T6 42.50-32.50	Flange	0.6500	4	0.6250	1	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	0
T7 32.50-22.50	Flange	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
		0.6500	4	0.6250	1	0.6250	1	0.0000	0	0.6250	0	0.6250	0	0.6250	0
T8 22.50-12.50	Flange	0.6500	4	0.6250	1	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	0
T9 12.50-2.50	Flange	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
		0.6500	4	0.6250	1	0.6250	1	0.6250	0	0.6250	0	0.6250	0	0.6250	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
Existing											
Proposed											

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _u A _u ft ² /ft	Weight plf
Existing								
Proposed								
Climbing Ladder	C	No	Yes	CaAa (In Face)	5.00 - 92.50	1	No Ice 0.29 1/2" Ice 0.55	7.90 10.60
LDf5-50A (7/8 Foam) (Elko TV)	C	No	Yes	CaAa (In Face)	12.00 - 92.50	4	No Ice 0.11 1/2" Ice 0.21	0.33 1.30
AVA5-50 (7/8 Foam LowDensiFoam) (ATT)	D	No	Yes	CaAa (Out Of Face)	9.50 - 87.50	8	No Ice 0.11 1/2" Ice 0.21	0.30 1.28
AVA5-50 (7/8 Foam LowDensiFoam) (ATT)	B	No	Yes	CaAa (Out Of Face)	9.50 - 75.50	24	No Ice 0.11 1/2" Ice 0.21	0.30 1.28
CA-0287(11/64 Solid Bare Copp)	C	No	Yes	CaAa (Out Of Face)	2.50 - 42.50	11	No Ice 0.02 1/2" Ice 0.12	0.01 0.42
EW63 (Elko TV)	C	No	Yes	CaAa (Out Of Face)	9.50 - 40.00	1	No Ice 0.26 1/2" Ice 0.35	0.51 1.78

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Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _u A _u ft ² /ft	Weight plf
3'6'-0"*								
EW52 (ATT)	C	No	Yes	CaAa (Out Of Face)	9.50 - 36.00	1	No Ice 0.29 1/2" Ice 0.38	0.59 1.95
**2'8'-3"*								
EW63 (Elko TV)	C	No	Yes	CaAa (Out Of Face)	9.50 - 28.25	2	No Ice 0.26 1/2" Ice 0.35	0.51 1.78
Proposed								
5'0'-0"*								
Hybrid	C	No	Yes	CaAa (Out Of Face)	9.50 - 50.00	1	No Ice 0.08 1/2" Ice 0.18	0.45 1.75
4'1'-0"*								
Hybrid	C	No	Yes	CaAa (Out Of Face)	9.50 - 41.00	1	No Ice 0.08 1/2" Ice 0.18	0.45 1.75

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _u A _u In Face ft ²	C _u A _u Out Face ft ²	Weight lb
T1	92.50-82.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	7.300	0.000	92.20
		D	0.000	0.000	0.000	4.400	12.00
T2	82.50-72.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	7.920	21.60
		C	0.000	0.000	7.300	0.000	92.20
		D	0.000	0.000	0.000	8.800	24.00
T3	72.50-62.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	26.400	72.00
		C	0.000	0.000	7.300	0.000	92.20
		D	0.000	0.000	0.000	8.800	24.00
T4	62.50-52.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	26.400	72.00
		C	0.000	0.000	7.300	0.000	92.20
		D	0.000	0.000	0.000	8.800	24.00
T5	52.50-42.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	26.400	72.00
		C	0.000	0.000	7.300	0.000	95.58
		D	0.000	0.000	0.000	8.800	24.00
T6	42.50-32.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	26.400	72.00
		C	0.000	0.000	7.300	6.645	107.52
		D	0.000	0.000	0.000	8.800	24.00
T7	32.50-22.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	26.400	72.00
		C	0.000	0.000	7.300	12.290	119.17
		D	0.000	0.000	0.000	8.800	24.00
T8	22.50-12.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	26.400	72.00
		C	0.000	0.000	7.300	14.500	123.50
		D	0.000	0.000	0.000	8.800	24.00
T9	12.50-2.50	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	7.920	21.60
		C	0.000	0.000	2.395	5.890	70.07

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Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{FA} In Face ft ²	C _{FA} Out Face ft ²	Weight lb
		D	0.000	0.000	0.000	2.640	7.20

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{FA} In Face ft ²	C _{FA} Out Face ft ²	Weight lb
T1	92.50-82.50	A	0.276	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	10.938	0.000	128.47
		D		0.000	0.000	0.000	6.605	33.61
T2	82.50-72.50	A	0.272	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	11.841	60.02
		C		0.000	0.000	10.894	0.000	128.03
		D		0.000	0.000	0.000	13.157	66.69
T3	72.50-62.50	A	0.269	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	39.290	198.32
		C		0.000	0.000	10.845	0.000	127.54
		D		0.000	0.000	0.000	13.097	66.11
T4	62.50-52.50	A	0.264	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	39.085	196.31
		C		0.000	0.000	10.788	0.000	126.98
		D		0.000	0.000	0.000	13.028	65.44
T5	52.50-42.50	A	0.259	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	38.845	193.96
		C		0.000	0.000	10.722	0.989	134.75
		D		0.000	0.000	0.000	12.948	64.65
T6	42.50-32.50	A	0.253	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	38.554	191.11
		C		0.000	0.000	10.642	13.654	183.09
		D		0.000	0.000	0.000	12.851	63.70
T7	32.50-22.50	A	0.245	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	38.183	187.48
		C		0.000	0.000	10.540	20.065	206.46
		D		0.000	0.000	0.000	12.728	62.49
T8	22.50-12.50	A	0.235	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	37.662	182.37
		C		0.000	0.000	10.397	22.290	212.00
		D		0.000	0.000	0.000	12.554	60.79
T9	12.50-2.50	A	0.216	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	11.024	52.02
		C		0.000	0.000	3.322	11.357	109.13
		D		0.000	0.000	0.000	3.675	17.34

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T1	3	Climbing Ladder	82.50 - 92.50	0.6000	0.6000
T1	4	LDF5-50A (7/8 Foam) (Elko TV)	82.50 - 92.50	0.6000	0.6000
T2	3	Climbing Ladder	72.50 - 82.50	0.6000	0.6000

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	Client	Verizon	Designed by	Lokesh Narayanappa EIT

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T2	4	LDF5-50A (7/8 Foam) (Elko TV)	72.50 - 82.50	0.6000	0.6000
T3	3	Climbing Ladder	62.50 - 72.50	0.6000	0.6000
T3	4	LDF5-50A (7/8 Foam) (Elko TV)	62.50 - 72.50	0.6000	0.6000
T4	3	Climbing Ladder	52.50 - 62.50	0.6000	0.6000
T4	4	LDF5-50A (7/8 Foam) (Elko TV)	52.50 - 62.50	0.6000	0.6000
T5	3	Climbing Ladder	42.50 - 52.50	0.6000	0.6000
T5	4	LDF5-50A (7/8 Foam) (Elko TV)	42.50 - 52.50	0.6000	0.6000
T6	3	Climbing Ladder	32.50 - 42.50	0.6000	0.6000
T6	4	LDF5-50A (7/8 Foam) (Elko TV)	32.50 - 42.50	0.6000	0.6000
T7	3	Climbing Ladder	22.50 - 32.50	0.6000	0.6000
T7	4	LDF5-50A (7/8 Foam) (Elko TV)	22.50 - 32.50	0.6000	0.6000
T8	3	Climbing Ladder	12.50 - 22.50	0.6000	0.6000
T8	4	LDF5-50A (7/8 Foam) (Elko TV)	12.50 - 22.50	0.6000	0.6000
T9	3	Climbing Ladder	5.00 - 12.50	0.6000	0.6000
T9	4	LDF5-50A (7/8 Foam) (Elko TV)	12.00 - 12.50	0.6000	0.6000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _{FA} Front ft ²	C _{FA} Side ft ²	Weight lb
Existing								
89'-0"*								
ASP-705 (Elko TV)	A	From Leg	1.00 1.00 10.00	0.0000	89.50	No Ice 1/2" Ice 8.01	5.88 8.01	25.00 67.70
ASP-705 (Elko TV)	B	From Leg	1.00 -1.00 10.00	0.0000	89.50	No Ice 1/2" Ice 8.01	5.88 8.01	25.00 67.70
ASP-705 (Elko TV)	C	From Leg	1.00 1.00 10.00	0.0000	89.50	No Ice 1/2" Ice 8.01	5.88 8.01	25.00 67.70
ASP-705 (Elko TV)	D	From Leg	1.00 -1.00 10.00	0.0000	89.50	No Ice 1/2" Ice 8.01	5.88 8.01	25.00 67.70
89'-0"*								
(2) LPA-80063/4CF (ATT)	A	From Leg	2.00 0.00 0.00	45.0000	89.00	No Ice 1/2" Ice 7.43	6.95 7.59	44.60 106.60
(2) LPA-80063/4CF (ATT)	A	From Leg	2.00 4.00 0.00	45.0000	89.00	No Ice 1/2" Ice 7.43	6.95 7.59	44.60 106.60
(2) LPA-80063/4CF (ATT)	C	From Leg	2.00	45.0000	89.00	No Ice	7.02	6.95

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Description	Face or Leg	Dish Type	Offset Type	Offsets: Horiz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _u A _u Front ft ²	C _s A _s Side ft ²	Weight lb
(2) LPA-80063/4CF (ATT)	C	From Leg		0.00 0.00 2.00 4.00 0.00	45.0000	89.00	1/2" Ice 7.43 No Ice 7.02 1/2" Ice 7.43	7.59 6.95 7.59	106.60 44.60 106.60
75'-11"*									
(2) DBXHL-6565A-VTM (Verizon)	B	From Leg		0.00 0.00 0.00	0.0000	75.90	1/2" Ice 5.38 No Ice 5.83	3.94 4.57	30.95 72.12
(2) LPA-80063-8CF-EDIN-X (Verizon)	A	From Leg		0.00 3.00 2.00 0.00	5.0000	75.90	1/2" Ice 13.99 No Ice 14.71	13.31 14.26	66.25 174.83
(2) LPA-80063-8CF-EDIN-X (Verizon)	C	From Leg		0.00 3.00 2.00 0.00	55.0000	75.90	1/2" Ice 13.99 No Ice 14.71	13.31 14.26	66.25 174.83
(2) LPA-80063-8CF-EDIN-X (Verizon)	D	From Leg		0.00 3.00 2.00 0.00	5.0000	75.90	1/2" Ice 13.99 No Ice 14.71	13.31 14.26	66.25 174.83
(2) LNX-6515DS-VTM (Verizon)	A	From Leg		0.00 3.00 0.00 0.00	5.0000	75.90	1/2" Ice 11.41 No Ice 12.03	9.60 11.02	89.47 173.06
(2) LNX-6515DS-VTM (Verizon)	C	From Leg		0.00 3.00 0.00 0.00	55.0000	75.90	1/2" Ice 11.41 No Ice 12.03	9.60 11.02	89.47 173.06
(2) LNX-6515DS-VTM (Verizon)	D	From Leg		0.00 3.00 0.00 0.00	5.0000	75.90	1/2" Ice 11.41 No Ice 12.03	9.60 11.02	89.47 173.06
47'-6"*									
4'x4" Pipe Mount (Empty)	A	From Leg		1.50 1.50 0.00	0.0000	47.50	1/2" Ice 1.32 No Ice 1.58	1.32 1.58	44.00 56.99
4'x4" Pipe Mount (Empty)	D	From Leg		1.50 -1.50 0.00	0.0000	47.50	1/2" Ice 1.32 No Ice 1.58	1.32 1.58	44.00 56.99
Proposed*									
50'-0"*									
(2) ODU RADIO	D	From Leg		0.00 0.00 0.00	0.0000	50.00	1/2" Ice 1.01 No Ice 1.13	0.60 0.70	14.30 23.81
41'-0"*									
(2) ODU RADIO	C	From Leg		0.00 0.00 0.00	0.0000	41.00	1/2" Ice 1.01 No Ice 1.13	0.60 0.70	14.30 23.81

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horiz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft ²	Weight lb
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Description	Face or Leg	Dish Type	Offset Type	Offsets: Horiz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft ²	Weight lb
Existing										
62'-6"*										
VHL-P4-11 (Verizon)	B	Paraboloid w/Shroud (HP)	From Leg	1.50 0.00 0.00	0.0000		62.50	4.00	No Ice 12.57 1/2" Ice 13.09	140.00 207.19
47'-6"*										
PR-TV (Elko TV)	D	Grid	From Face	1.50 4.50 0.00	0.0000		47.50	5.00	No Ice 19.63 1/2" Ice 20.29	38.00 104.18
42'-6"*										
VHL-P4-11 (Verizon)	B	Paraboloid w/Shroud (HP)	From Leg	1.50 0.00 0.00	0.0000		42.50	4.00	No Ice 12.57 1/2" Ice 13.09	140.00 207.19
41'-6"*										
P3F-52 (Elko TV)	D	Paraboloid w/o Radome	From Face	1.50 4.50 0.00	0.0000		41.50	3.00	No Ice 7.10 1/2" Ice 7.46	90.00 128.31
36'-0"*										
SF2-52CN (ATT)	A	Paraboloid w/o Radome	From Face	0.00 4.50 0.00	0.0000		36.00	2.25	No Ice 3.98 1/2" Ice 4.28	22.00 44.00
30'-10"*										
PAR6-59W w/Radome (Elko TV)	D	Paraboloid w/Radome	From Face	1.50 4.50 0.00	0.0000		30.83	6.00	No Ice 28.27 1/2" Ice 29.05	162.00 292.13
29'-0"*										
HP3-18DW2 (Elko TV)	A	Paraboloid w/Shroud (HP)	From Face	1.50 4.50 0.00	0.0000		29.75	3.00	No Ice 7.07 1/2" Ice 7.47	22.70 38.33
29'-1"*										
PX4F-52-N7A (Elko TV)	C	Paraboloid w/Radome	From Face	1.50 4.50 0.00	0.0000		29.10	4.00	No Ice 12.57 1/2" Ice 13.10	150.00 217.22
28'-3"*										
HISX6-64-P3A (Elko TV)	B	Paraboloid w/Radome	From Face	1.50 4.50 0.00	0.0000		28.25	6.50	No Ice 33.18 1/2" Ice 34.04	357.00 532.00
20'-6"*										
RSS2-57BSE (Elko TV)	B	Paraboloid w/o Radome	From Face	1.50 4.50 0.00	0.0000		20.50	2.00	No Ice 3.10 1/2" Ice 3.41	5.00 22.49
18'-0"*										
HP6-59RS (Elko TV)	C	Paraboloid w/Shroud (HP)	From Leg	1.50 0.00 0.00	0.0000		18.50	6.00	No Ice 28.27 1/2" Ice 29.07	251.00 400.00
17'-6"*										
RSS2-57BSE (Elko TV)	B	Paraboloid w/o Radome	From Face	1.50 4.50 0.00	0.0000		17.50	2.00	No Ice 3.10 1/2" Ice 3.41	5.00 22.49
14'-6"*										
RSS2-57BSE (Elko TV)	B	Paraboloid w/o Radome	From Face	1.50 4.50 0.00	0.0000		14.50	2.00	No Ice 3.10 1/2" Ice 3.41	5.00 22.49
Proposed*										
50'-0"*										
VHL-PX6-18B	D	Paraboloid w/Shroud (HP)	From Face	1.50 0.00 0.00	0.0000		50.00	6.00	No Ice 28.27 1/2" Ice 29.07	189.59 515.88
41'-0"*										

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Description	Face or Leg	Dish Type	Offset Type	Offsets: Horiz Lateral Vert	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft ²	Weight lb
VHLPX6-18B	C	Paraboloid w/Shroud (HP)	From Face	1.50 0.00 0.00	0.0000		41.00	6.00	No Ice 28.27 1/2" Ice 29.07	189.59 515.88

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 45 deg - No Ice
5	0.9 Dead+1.0 Wind 45 deg - No Ice
6	1.2 Dead+1.0 Wind 90 deg - No Ice
7	0.9 Dead+1.0 Wind 90 deg - No Ice
8	1.2 Dead+1.0 Wind 135 deg - No Ice
9	0.9 Dead+1.0 Wind 135 deg - No Ice
10	1.2 Dead+1.0 Wind 180 deg - No Ice
11	0.9 Dead+1.0 Wind 180 deg - No Ice
12	1.2 Dead+1.0 Wind 225 deg - No Ice
13	0.9 Dead+1.0 Wind 225 deg - No Ice
14	1.2 Dead+1.0 Wind 270 deg - No Ice
15	0.9 Dead+1.0 Wind 270 deg - No Ice
16	1.2 Dead+1.0 Wind 315 deg - No Ice
17	0.9 Dead+1.0 Wind 315 deg - No Ice
18	1.2 Dead+1.0 Ice+1.0 Temp
19	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
20	1.2 Dead+1.0 Wind 45 deg+1.0 Ice+1.0 Temp
21	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
22	1.2 Dead+1.0 Wind 135 deg+1.0 Ice+1.0 Temp
23	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
24	1.2 Dead+1.0 Wind 225 deg+1.0 Ice+1.0 Temp
25	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
26	1.2 Dead+1.0 Wind 315 deg+1.0 Ice+1.0 Temp
27	Dead+Wind 0 deg - Service
28	Dead+Wind 45 deg - Service
29	Dead+Wind 90 deg - Service
30	Dead+Wind 135 deg - Service
31	Dead+Wind 180 deg - Service
32	Dead+Wind 225 deg - Service
33	Dead+Wind 270 deg - Service
34	Dead+Wind 315 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
T1	92.5 - 82.5	Leg	Max Tension	13	286.07	-32.52	32.16
			Max. Compression	4	-1088.52	57.61	-57.16
			Max. Mx	6	-17.26	263.27	25.35
			Max. My	2	-15.62	-26.55	-264.62
			Max. Vy	6	-119.47	-0.00	-0.00

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
T2	82.5 - 72.5	Diagonal	Max. Vx	2	119.92	0.00	0.00
			Max Tension	11	778.05	9.20	-0.90
			Max. Compression	2	-804.62	0.00	0.00
			Max. Mx	19	34.56	18.69	0.31
			Max. My	4	-661.20	14.95	1.67
			Max. Vy	24	-13.96	18.68	-0.27
			Max. Vx	4	0.27	0.00	0.00
			Max Tension	10	410.75	-13.43	0.72
		Secondary Horizontal	Max. Compression	3	-398.69	-11.51	-0.48
			Max. Mx	26	-22.18	-18.18	0.28
			Max. My	9	289.30	-10.91	1.02
			Max. Vy	26	20.70	-18.18	0.28
			Max. Vx	8	-0.25	-14.47	0.99
			Max Tension	3	69.01	0.00	0.00
			Max. Compression	2	-115.20	0.00	0.00
			Max. Mx	18	-33.90	73.70	0.00
			Max. My	14	-25.81	0.00	0.00
			Max. Vy	18	-32.75	0.00	0.00
		Inner Bracing	Max. Vx	14	-0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	20	-14.89	0.00	0.00
			Max. Mx	18	-14.80	70.11	0.00
			Max. My	16	-14.17	0.00	-0.00
			Max. Vy	18	22.03	0.00	0.00
			Max. Vx	16	0.00	0.00	0.00
			Max Tension	9	1610.98	20.68	41.44
			Max. Compression	12	-3271.68	111.64	-119.17
		Leg	Max. Mx	6	170.29	475.46	-21.33
			Max. My	2	174.08	24.63	-496.48
			Max. Vy	6	246.92	-225.15	-21.33
			Max. Vx	2	-255.40	24.63	232.98
		Diagonal	Max Tension	3	1691.07	9.44	-0.62
			Max. Compression	10	-1786.03	0.00	0.00
			Max. Mx	26	35.24	19.76	0.21
			Max. My	8	1090.15	13.10	-1.73
			Max. Vy	26	-14.08	19.76	0.21
			Max. Vx	8	-0.27	0.00	0.00
		Secondary Horizontal	Max Tension	10	639.49	-7.55	0.73
			Max. Compression	11	-619.60	-7.99	-0.16
			Max. Mx	22	-31.18	-12.60	0.29
			Max. My	3	65.65	-5.76	1.24
			Max. Vy	22	-13.66	-12.60	0.29
			Max. Vx	11	-0.29	-5.75	1.23
T3	72.5 - 62.5	Leg	Max Tension	13	5605.73	136.71	-135.06
			Max. Compression	12	-7964.49	-146.05	144.71
			Max. Mx	6	2895.50	-225.15	-21.33
			Max. My	2	2937.93	24.63	232.98
			Max. Vy	6	-114.37	-225.15	-21.33
			Max. Vx	2	116.25	24.63	232.98
		Diagonal	Max Tension	11	2447.60	10.51	-4.33
			Max. Compression	2	-2481.81	0.00	0.00
			Max. Mx	10	35.49	19.80	-1.01
			Max. My	10	-2462.06	10.85	-5.90
			Max. Vy	25	-13.98	19.36	-0.43
			Max. Vx	10	-0.88	0.00	0.00
		Secondary Horizontal	Max Tension	16	194.49	-4.64	3.03
			Max. Compression	9	-161.42	-9.67	-2.57
			Max. Mx	16	-130.54	-12.18	-2.78



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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
T4	62.5 - 52.5	Leg	Max. My	16	194.49	-4.64	3.03
			Max. Vy	24	13.44	-11.84	0.31
			Max. Vx	16	-0.69	0.00	0.00
			Max. Tension	13	10275.92	-78.05	74.72
			Max. Compression	12	-13000.15	-54.01	49.39
			Max. Mx	16	-12574.07	229.99	-135.98
			Max. My	12	-12922.93	-146.05	-227.81
			Max. Vy	16	144.62	189.51	118.28
			Max. Vx	8	-145.17	-117.02	-188.82
			Max. Tension	11	2923.62	12.39	0.44
			Max. Compression	10	-3080.18	0.00	0.00
			Max. Mx	12	1664.92	26.50	5.76
		Diagonal	Max. My	16	1417.73	26.04	6.14
			Max. Vy	24	-14.34	22.13	1.29
			Max. Vx	16	-0.93	26.04	6.14
			Max. Tension	16	245.51	-16.53	6.04
		Secondary Horizontal	Max. Compression	13	-214.19	-11.34	-3.91
			Max. Mx	16	-32.27	-23.49	1.63
			Max. My	12	242.10	-16.32	6.13
			Max. Vy	26	21.15	-20.88	1.03
			Max. Vx	12	-1.38	0.00	0.00
			Max. Tension	13	16688.61	-44.63	-1.54
			Max. Compression	12	-20604.42	-332.32	378.27
			Max. Mx	10	-14408.36	480.49	38.80
			Max. My	14	-14818.66	-46.85	472.50
			Max. Vy	10	-154.91	480.49	38.80
			Max. Vx	16	166.30	82.24	148.83
T5	52.5 - 42.5	Diagonal	Max. Tension	3	3762.50	13.96	8.61
			Max. Compression	2	-3871.60	0.00	0.00
			Max. Mx	10	-335.40	27.64	1.64
			Max. My	10	-3833.33	5.69	-12.19
			Max. Vy	23	-13.91	19.57	0.59
			Max. Vx	10	-1.81	0.00	0.00
			Max. Tension	16	489.09	-1.01	6.18
		Secondary Horizontal	Max. Compression	9	-438.91	-12.63	-8.14
			Max. Mx	8	-431.12	-14.60	-8.03
			Max. My	9	-438.91	-12.63	-8.14
			Max. Vy	24	-13.27	-11.56	0.22
			Max. Vx	9	-1.81	-12.63	-8.14
			Max. Tension	14	73.32	0.00	0.00
		Top Girt	Max. Compression	15	-39.12	0.00	0.00
			Max. Mx	18	38.62	108.75	0.00
			Max. My	14	37.59	0.00	-0.00
			Max. Vy	18	-48.33	0.00	0.00
			Max. Vx	14	0.00	0.00	0.00
			Max. Tension	13	24022.86	-232.21	250.52
T6	42.5 - 32.5	Leg	Max. Compression	12	-28407.59	-215.54	218.13
			Max. Mx	12	-28245.29	513.36	378.27
			Max. My	12	-28245.29	-332.32	-490.06
			Max. Vy	12	297.06	401.42	-232.52
			Max. Vx	4	229.92	-254.66	336.29
			Max. Tension	15	4395.87	16.61	0.50
		Diagonal	Max. Compression	14	-4558.10	0.00	0.00
			Max. Mx	12	2474.33	39.50	-12.55
			Max. My	8	2181.75	38.70	-12.92
			Max. Vy	24	-14.58	24.58	-2.51
			Max. Vx	8	1.94	38.70	-12.92
			Max. Tension	4	457.83	-18.51	13.64
T7	32.5 - 22.5	Leg	Max. Compression	9	-431.12	-9.63	-8.93
			Max. Mx	16	-0.74	-29.35	2.81
			Max. My	12	456.87	-18.50	13.85
			Max. Vy	24	21.27	-22.08	1.66
			Max. Vx	12	-3.10	0.00	0.00
			Max. Tension	13	33753.16	-164.20	153.02
		Diagonal	Max. Compression	12	-39070.16	-698.79	702.72
			Max. Mx	2	-28032.46	841.12	-183.21
			Max. My	14	-27714.78	-192.48	823.73
			Max. Vy	2	-281.33	841.12	-183.21
			Max. Vx	14	-275.29	-192.48	823.73
			Max. Tension	3	5218.50	20.48	14.67
		Secondary Horizontal	Max. Compression	2	-5288.89	0.00	0.00
			Max. Mx	12	3608.85	41.01	-15.01
			Max. My	14	-5219.19	-2.22	21.52
			Max. Vy	12	14.39	41.01	-15.01
			Max. Vx	14	3.20	0.00	0.00
			Max. Tension	8	676.97	2.57	12.12
T8	22.5 - 12.5	Leg	Max. Compression	9	-653.50	-15.90	-15.76
			Max. Mx	16	-552.81	-18.31	-15.95
			Max. My	13	-624.16	-16.33	-16.51
			Max. Vy	24	-13.07	-11.43	0.12
			Max. Vx	13	3.68	0.00	0.00
			Max. Tension	13	43384.80	-557.46	516.25
		Diagonal	Max. Compression	12	-49319.69	-269.23	264.21
			Max. Mx	2	-35045.76	841.12	-183.21
			Max. My	14	-34604.52	-192.48	823.73
			Max. Vy	2	294.39	841.12	-183.21
			Max. Vx	14	285.53	-192.48	823.73
			Max. Tension	3	5756.35	26.36	0.04
		Secondary Horizontal	Max. Compression	14	-5973.54	0.00	0.00
			Max. Mx	12	3095.69	56.58	-18.70
			Max. My	17	-2944.34	-24.69	19.81
			Max. Vy	12	-16.72	56.58	-18.70
			Max. Vx	17	-2.95	-24.69	19.81
			Max. Tension	12	646.93	-12.17	19.95
T9	12.5 - 2.5	Leg	Max. Compression	13	-690.55	-5.31	-12.89
			Max. Mx	12	-32.51	-20.82	4.39
			Max. My	4	635.19	-12.11	20.02
			Max. Vy	24	13.69	-14.78	1.71
			Max. Vx	4	-4.46	0.00	0.00
			Max. Tension	13	50621.11	-226.41	221.82
		Diagonal	Max. Compression	12	-56110.90	0.00	0.00
			Max. Mx	14	-39137.33	450.47	210.59
			Max. My	10	-39603.15	-214.70	-460.06
			Max. Vy	12	-98.83	-269.23	264.21
			Max. Vx	4	-99.66	264.61	-269.41
			Max. Tension	13	8289.12	30.87	6.61
		Secondary Horizontal	Max. Compression	12	-9205.52	0.00	0.00
			Max. Mx	12	-624.35	43.13	11.42
			Max. My	14	-6140.06	28.00	14.91
			Max. Vy	12	-14.71	43.13	11.42
			Max. Vx	14	-2.23	28.00	14.91
			Max. Tension	10	269.13	-2.61	2.15
T10		Secondary Horizontal	Max. Compression	3	-324.56	-12.77	-0.44
			Max. Mx	14	-313.12	-15.02	-0.27
			Max. My	11	-68.96	-5.40	-19.51
			Max. Vy	25	11.74	-7.03	4.91



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Project	MW Upgrade	Date	10:45:02 09/15/22
Client	Verizon	Designed by	Lokesh Narayanappa EIT

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
T7	32.5 - 22.5	Leg	Max. Compression	9	-431.12	-9.63	-8.93
			Max. Mx	16	-0.74	-29.35	2.81
			Max. My	12	456.87	-18.50	13.85
			Max. Vy	24	21.27	-22.08	1.66
			Max. Vx	12	-3.10	0.00	0.00
			Max. Tension	13	33753.16	-164.20	153.02
		Diagonal	Max. Compression	12	-39070.16	-698.79	702.72
			Max. Mx	2	-28032.46	841.12	-183.21
			Max. My	14	-27714.78	-192.48	823.73
			Max. Vy	2	-281.33	841.12	-183.21
			Max. Vx	14	-275.29	-192.48	823.73
			Max. Tension	3	5218.50	20.48	14.67
		Secondary Horizontal	Max. Compression	2	-5288.89	0.00	0.00
			Max. Mx	12	3608.85	41.01	-15.01
			Max. My	14	-5219.19	-2.22	21.52
			Max. Vy	12	14.39	41.01	-15.01
			Max. Vx	14	3.20	0.00	0.00
			Max. Tension	8	676.97	2.57	12.12
T8	22.5 - 12.5	Leg	Max. Compression	9	-653.50	-15.90	-15.76
			Max. Mx	16	-552.81	-18.31	-15.95
			Max. My	13	-624.16	-16.33	-16.51
			Max. Vy	24	-13.07	-11.43	0.12
			Max. Vx	13	3.68	0.00	0.00
			Max. Tension	13	43384.80	-557.46	516.25
		Diagonal	Max. Compression	12	-49319.69	-269.23	264.21
			Max. Mx	2	-35045.76	841.12	-183.21
			Max. My	14	-34604.52	-192.48	823.73
			Max. Vy	2	294.39	841.12	-183.21
			Max. Vx	14	285.53	-192.48	823.73
			Max. Tension	3	5756.35	26.36	0.04
		Secondary Horizontal	Max. Compression	14	-5973.54	0.00	0.00
			Max. Mx	12	3095.69	56.58	-18.70
			Max. My	17	-2944.34	-24.69	19.81
			Max. Vy	12	-16.72	56.58	-18.70
			Max. Vx	17	-2.95	-24.69	19.81
			Max. Tension	12	646.93	-12.17	19.95
T9	12.5 - 2.5	Leg	Max. Compression	13	-690.55	-5.31	-12.89
			Max. Mx	12	-32.51	-20.82	4.39
			Max. My	4	635.19	-12.11	20.02
			Max. Vy	24	13.69	-14.78	1.71
			Max. Vx	4	-4.46	0.00	0.00
			Max. Tension	13	50621.11	-226.41	221.82
		Diagonal	Max. Compression	12	-56110.90	0.00	0.00
			Max. Mx	14	-39137.33	450.47	210.59
			Max. My	10	-39693.15	-214.70	-640.06
			Max. Vy	12	-98.83	-269.23	264.21
			Max. Vx	4	-99.66	264.61	-269.41
			Max. Tension	13	8289.12	30.87	6.61
		Secondary Horizontal	Max. Compression	12	-9205.52	0.00	0.00
			Max. Mx	12	-624.35	43.13	11.42
			Max. My	14	-6140.06	28.00	14.91
			Max. Vy	12	-14.71	43.13	11.42
			Max. Vx	14	-2.23	28.00	14.91
			Max. Tension	10	269.13	-2.61	2.15
	Max. Compression	3	-324.56	-12.77	-0.44		
	Max. Mx	14	-313.12	-15.02	-0.27		
	Max. My	11	-68.96	-5.40	-19.51		
	Max. Vy	25	11.74	-7.03	4.91		



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Client	Verizon	Designed by	Lokesh Narayanappa EIT

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial lb	Major Axis Moment lb-ft	Minor Axis Moment lb-ft
		Top Girt	Max. Vx	11	-4.33	-5.40	-19.51
			Max. Tension	10	4402.99	0.00	0.00
			Max. Compression	11	-3945.12	0.00	0.00
			Max. Mx	18	-327.16	89.33	0.00
			Max. My	14	180.55	0.00	-0.00
			Max. Vy	18	-39.70	0.00	0.00
		Inner Bracing	Max. Vx	14	0.00	0.00	0.00
			Max. Tension	12	183.20	0.00	0.00
			Max. Compression	24	-180.18	0.00	0.00
			Max. Mx	18	-179.53	94.59	0.00
			Max. Vy	18	-29.73	0.00	0.00
			Max. Vx	12	-0.00	0.00	0.00

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical lb	Horizontal, X lb	Horizontal, Z lb
Leg D	Max. Vert	12	69523.81	6082.05	-5810.82
	Max. H _x	12	69523.81	6082.05	-5810.82
	Max. H _z	5	-62291.78	-5396.87	5315.74
	Min. Vert	5	-62291.78	-5396.87	5315.74
	Min. H _x	5	-62291.78	-5396.87	5315.74
	Min. H _z	12	69523.81	6082.05	-5810.82
Leg C	Max. Vert	8	68484.82	-5913.22	-5803.43
	Max. H _x	17	-61549.28	5458.97	5214.49
	Max. H _z	17	-61549.28	5458.97	5214.49
	Min. Vert	17	-61549.28	5458.97	5214.49
	Min. H _x	8	68484.82	-5913.22	-5803.43
	Min. H _z	8	68484.82	-5913.22	-5803.43
Leg B	Max. Vert	4	69290.42	-5869.24	5963.06
	Max. H _x	13	-62525.74	5258.51	-5515.36
	Max. H _z	4	69290.42	-5869.24	5963.06
	Min. Vert	13	-62525.74	5258.51	-5515.36
	Min. H _x	4	69290.42	-5869.24	5963.06
	Min. H _z	13	-62525.74	5258.51	-5515.36
Leg A	Max. Vert	16	68458.58	5779.15	6007.46
	Max. H _x	16	68458.58	5779.15	6007.46
	Max. H _z	16	68458.58	5779.15	6007.46
	Min. Vert	9	-61386.96	-5231.32	-5354.29
	Min. H _x	9	-61386.96	-5231.32	-5354.29
	Min. H _z	9	-61386.96	-5231.32	-5354.29

Tower Mast Reaction Summary

Load Combination	Vertical lb	Shear _x lb	Shear _y lb	Overturning Moment, M _x lb-ft	Overturning Moment, M _y lb-ft	Torque lb-ft
Dead Only	13570.82	0.00	0.00	2811.74	-2757.07	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	16284.98	8.03	-15878.50	-803891.21	-11922.91	-1364.83
0.9 Dead+1.0 Wind 0 deg - No Ice	12213.74	8.03	-15878.50	-804290.44	-11088.34	-1365.93



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Project	MW Upgrade	Date	10:45:02 09/15/22
Client	Verizon	Designed by	Lokesh Narayanappa EIT

Load Combination	Vertical lb	Shear _x lb	Shear _y lb	Overturning Moment, M _x lb-ft	Overturning Moment, M _y lb-ft	Torque lb-ft
1.2 Dead+1.0 Wind 45 deg - No Ice	16284.98	11392.08	-11572.07	-591496.41	-583900.55	1505.32
0.9 Dead+1.0 Wind 45 deg - No Ice	12213.74	11392.08	-11572.07	-592012.60	-582748.98	1502.89
1.2 Dead+1.0 Wind 90 deg - No Ice	16284.98	15201.61	23.50	-2129.47	-783867.06	4652.51
0.9 Dead+1.0 Wind 90 deg - No Ice	12213.74	15201.61	23.50	-2972.82	-782603.11	4650.23
1.2 Dead+1.0 Wind 135 deg - No Ice	16284.98	11333.05	11441.33	582702.16	-578143.00	2090.90
0.9 Dead+1.0 Wind 135 deg - No Ice	12213.74	11333.06	11441.33	581533.04	-576994.98	2090.03
1.2 Dead+1.0 Wind 180 deg - No Ice	16284.98	-92.60	15809.95	807681.32	7286.55	107.33
0.9 Dead+1.0 Wind 180 deg - No Ice	12213.74	-92.60	15809.95	806387.42	8109.08	108.41
1.2 Dead+1.0 Wind 225 deg - No Ice	16284.98	-11450.73	11686.79	597338.33	582286.97	-4668.43
0.9 Dead+1.0 Wind 225 deg - No Ice	12213.74	-11450.73	11686.79	596161.12	582790.47	-4665.98
1.2 Dead+1.0 Wind 270 deg - No Ice	16284.98	-15412.49	124.13	17082.91	784855.15	-5805.17
0.9 Dead+1.0 Wind 270 deg - No Ice	12213.74	-15412.49	124.13	16227.43	785245.48	-5802.84
1.2 Dead+1.0 Wind 315 deg - No Ice	16284.98	-11394.40	-11702.17	-589238.52	571159.05	-4266.62
0.9 Dead+1.0 Wind 315 deg - No Ice	12213.74	-11394.40	-11702.17	-589757.21	571669.40	-4265.75
1.2 Dead+1.0 Ice+1.0 Temp	22021.16	-0.00	-0.00	5616.19	-3749.32	-0.01
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	22021.16	0.45	-1723.69	-80540.10	-4515.53	-275.44
1.2 Dead+1.0 Wind 45 deg+1.0 Ice+1.0 Temp	22021.16	1218.91	-1273.89	-58606.08	-65008.77	-82.51
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	22021.16	1639.38	1.33	5098.41	-86568.15	456.60
1.2 Dead+1.0 Wind 135 deg+1.0 Ice+1.0 Temp	22021.16	1225.71	1232.20	67102.67	-65053.25	277.84
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	22021.16	-8.25	1702.29	90836.53	-2804.30	90.89
1.2 Dead+1.0 Wind 225 deg+1.0 Ice+1.0 Temp	22021.16	-1235.87	1254.27	68407.67	58493.12	-445.49
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	22021.16	-1658.60	10.03	6809.34	79758.33	-572.12
1.2 Dead+1.0 Wind 315 deg+1.0 Ice+1.0 Temp	22021.16	-1219.43	-1286.32	-58439.88	56977.63	-516.78
Dead+Wind 0 deg - Service	13570.82	2.89	-5716.23	-287691.54	-5859.08	-491.66
Dead+Wind 45 deg - Service	13570.82	4101.14	-4165.94	-211260.16	-211694.63	541.31
Dead+Wind 90 deg - Service	13570.71	5472.44	8.46	833.18	-283653.89	1674.77
Dead+Wind 135 deg - Service	13570.82	4079.89	4138.87	121295.28	-209623.73	752.47
Dead+Wind 180 deg - Service	13570.82	-33.34	5691.55	292256.19	1055.68	-38.83
Dead+Wind 225 deg - Service	13570.82	-4122.26	4207.24	216562.51	207979.19	-1680.00
Dead+Wind 270 deg - Service	13570.82	-5548.47	44.69	7745.92	280874.59	-2089.37
Dead+Wind 315 deg - Service	13570.82	-4101.98	-4212.78	-210448.89	203972.83	-1535.75

Solution Summary



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Job	254436	Page	18 of 27
Project	MW Upgrade	Date	10:45:02 09/15/22
Client	Verizon	Designed by	Lokesh Narayanappa EIT

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX lb	PY lb	PZ lb	PX lb	PY lb	PZ lb	
1	0.00	-13570.82	0.00	-0.00	13570.82	-0.00	0.000%
2	8.03	-16284.98	-15878.42	-8.03	16284.98	15878.50	0.000%
3	8.03	-12213.74	-15878.42	-8.03	12213.74	15878.50	0.000%
4	11392.07	-16284.98	-11572.06	-11392.08	16284.98	11572.07	0.000%
5	11392.07	-12213.74	-11572.06	-11392.08	12213.74	11572.07	0.000%
6	15201.54	-16284.98	23.50	-15201.61	16284.98	-23.50	0.000%
7	15201.54	-12213.74	23.50	-15201.61	12213.74	-23.50	0.000%
8	11333.04	-16284.98	11441.32	-11333.05	16284.98	-11441.33	0.000%
9	11333.04	-12213.74	11441.32	-11333.06	12213.74	-11441.33	0.000%
10	-92.60	-16284.98	15809.87	92.60	16284.98	-15809.95	0.000%
11	-92.60	-12213.74	15809.87	92.60	12213.74	-15809.95	0.000%
12	-11450.72	-16284.98	11686.78	11450.73	16284.98	-11686.79	0.000%
13	-11450.72	-12213.74	11686.78	11450.73	12213.74	-11686.79	0.000%
14	-15412.42	-16284.98	124.13	15412.49	16284.98	-124.13	0.000%
15	-15412.42	-12213.74	124.13	15412.49	12213.74	-124.13	0.000%
16	-11394.39	-16284.98	-11702.16	11394.40	16284.98	11702.17	0.000%
17	-11394.39	-12213.74	-11702.16	11394.40	12213.74	11702.17	0.000%
18	-0.00	-22021.16	0.00	0.00	22021.16	0.00	0.000%
19	0.45	-22021.16	-1723.69	-0.45	22021.16	1723.69	0.000%
20	1218.91	-22021.16	-1273.89	-1218.91	22021.16	1273.89	0.000%
21	1639.38	-22021.16	1.33	-1639.38	22021.16	-1.33	0.000%
22	1225.71	-22021.16	1232.20	-1225.71	22021.16	-1232.20	0.000%
23	-8.25	-22021.16	1702.29	8.25	22021.16	-1702.29	0.000%
24	-1235.87	-22021.16	1254.27	1235.87	22021.16	-1254.27	0.000%
25	-1658.60	-22021.16	10.03	1658.60	22021.16	-10.03	0.000%
26	-1219.43	-22021.16	-1286.32	1219.43	22021.16	1286.32	0.000%
27	2.89	-13570.82	-5716.23	-2.89	13570.82	5716.23	0.000%
28	4101.15	-13570.82	-4165.94	-4101.14	13570.82	4165.94	0.000%
29	5472.55	-13570.82	8.46	-5472.44	13570.71	-8.46	0.001%
30	4079.90	-13570.82	4118.87	-4079.89	13570.82	-4118.87	0.000%
31	-33.34	-13570.82	5691.55	33.34	13570.82	-5691.55	0.000%
32	-4122.26	-13570.82	4207.24	4122.26	13570.82	-4207.24	0.000%
33	-5548.47	-13570.82	44.69	5548.47	13570.82	-44.69	0.000%
34	-4101.98	-13570.82	-4212.78	4101.98	13570.82	4212.78	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00001061
3	Yes	4	0.00000001	0.00000806
4	Yes	4	0.00000001	0.00001057
5	Yes	4	0.00000001	0.00000798
6	Yes	4	0.00000001	0.00001054
7	Yes	4	0.00000001	0.00000798
8	Yes	4	0.00000001	0.00001053
9	Yes	4	0.00000001	0.00000794
10	Yes	4	0.00000001	0.00001062
11	Yes	4	0.00000001	0.00000806
12	Yes	4	0.00000001	0.00001059
13	Yes	4	0.00000001	0.00000799
14	Yes	4	0.00000001	0.00001055
15	Yes	4	0.00000001	0.00000799
16	Yes	4	0.00000001	0.00001056
17	Yes	4	0.00000001	0.00000797



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18	Yes	4	0.00000001	0.00000001
19	Yes	4	0.00000001	0.00000001
20	Yes	4	0.00000001	0.00000001
21	Yes	4	0.00000001	0.00000001
22	Yes	4	0.00000001	0.00000001
23	Yes	4	0.00000001	0.00000001
24	Yes	4	0.00000001	0.00000001
25	Yes	4	0.00000001	0.00000001
26	Yes	4	0.00000001	0.00000001
27	Yes	4	0.00000001	0.00000001
28	Yes	4	0.00000001	0.00000001
29	Yes	4	0.00000001	0.00000001
30	Yes	4	0.00000001	0.00000001
31	Yes	4	0.00000001	0.00000001
32	Yes	4	0.00000001	0.00000001
33	Yes	4	0.00000001	0.00000001
34	Yes	4	0.00000001	0.00000001

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	92.5 - 82.5	1.140	32	0.0755	0.0050
T2	82.5 - 72.5	0.980	32	0.0753	0.0050
T3	72.5 - 62.5	0.820	32	0.0744	0.0048
T4	62.5 - 52.5	0.659	32	0.0718	0.0043
T5	52.5 - 42.5	0.503	32	0.0675	0.0039
T6	42.5 - 32.5	0.358	32	0.0605	0.0032
T7	32.5 - 22.5	0.227	32	0.0507	0.0025
T8	22.5 - 12.5	0.119	32	0.0372	0.0017
T9	12.5 - 2.5	0.041	32	0.0199	0.0008

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
89.50	ASP-705 (Elko TV)	32	1.092	0.0754	0.0050	Inf
89.00	(2) LPA-80063/4CF (ATT)	32	1.084	0.0754	0.0050	Inf
75.90	(2) DBX1HL-6565A-VIM (Verizon)	32	0.874	0.0749	0.0049	763390
62.50	VHLP4-11 (Verizon)	32	0.659	0.0718	0.0043	212511
50.00	VHLPX6-18B	32	0.466	0.0660	0.0037	111041
47.50	PR-TV (Elko TV)	32	0.429	0.0643	0.0036	100398
42.50	VHLP4-11 (Verizon)	32	0.358	0.0605	0.0032	82261
41.50	P3F-52 (Elko TV)	32	0.344	0.0597	0.0031	78524
41.00	VHLPX6-18B	32	0.337	0.0592	0.0031	76660
36.00	SPF2-52CN (ATT)	32	0.271	0.0545	0.0027	60606
30.83	PAR6-59W w/Radome (Elko TV)	32	0.208	0.0487	0.0024	51205
29.75	HP3-18DW2 (Elko TV)	32	0.195	0.0474	0.0023	50030
29.10	PX4F-52-N7A (Elko TV)	32	0.188	0.0466	0.0022	49395
28.25	HXS6-64-P3A (Elko TV)	32	0.178	0.0454	0.0022	48620
20.50	RSS2-57BSE (Elko TV)	32	0.100	0.0340	0.0015	37455
18.50	HP6-59RS (Elko TV)	32	0.083	0.0307	0.0013	33142
17.50	RSS2-57BSE (Elko TV)	32	0.075	0.0290	0.0013	31221

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Elevation	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
14.50	RSS2-57BSE (Elko TV)	32	0.053	0.0236	0.0010	27360

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	92.5 - 82.5	3.157	12	0.2084	0.0140
T2	82.5 - 72.5	2.716	12	0.2079	0.0140
T3	72.5 - 62.5	2.271	12	0.2057	0.0134
T4	62.5 - 52.5	1.827	12	0.1988	0.0119
T5	52.5 - 42.5	1.397	12	0.1869	0.0108
T6	42.5 - 32.5	0.994	12	0.1677	0.0089
T7	32.5 - 22.5	0.632	12	0.1408	0.0069
T8	22.5 - 12.5	0.330	12	0.1032	0.0047
T9	12.5 - 2.5	0.113	12	0.0553	0.0024

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
89.50	ASP-705 (Elko TV)	12	3.025	0.2083	0.0140	429401
89.00	(2) LPA-80063/4CF (ATT)	12	3.003	0.2083	0.0140	429401
75.90	(2) DBXHL-6565A-VTM (Verizon)	12	2.423	0.2068	0.0138	299841
62.50	VHL P4-11 (Verizon)	12	1.827	0.1988	0.0119	78657
50.00	VHL PX6-18B	12	1.293	0.1828	0.0104	40642
47.50	PR-TV (Elko TV)	12	1.191	0.1783	0.0099	36736
42.50	VHL P4-11 (Verizon)	12	0.994	0.1677	0.0089	30050
41.50	P3F-32 (Elko TV)	12	0.956	0.1654	0.0087	28660
41.00	VHL PX6-18B	12	0.936	0.1642	0.0086	27966
36.00	SPF2-52CN (ATT)	12	0.752	0.1513	0.0076	21999
30.83	PAR6-59W w/Radome (Elko TV)	12	0.577	0.1353	0.0066	18524
29.75	HP3-18DW2 (Elko TV)	12	0.542	0.1316	0.0063	18090
29.10	PX4F-52-N7A (Elko TV)	12	0.521	0.1293	0.0062	17855
28.25	HXX6-64-P3A (Elko TV)	12	0.495	0.1262	0.0060	17568
20.50	RSS2-57BSE (Elko TV)	12	0.279	0.0944	0.0042	13484
18.50	HP6-59RS (Elko TV)	12	0.231	0.0852	0.0037	11937
17.50	RSS2-57BSE (Elko TV)	12	0.208	0.0805	0.0035	11242
14.50	RSS2-57BSE (Elko TV)	12	0.147	0.0656	0.0028	9848

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt lb	Allowable Load per Bolt lb	Ratio Load Allowable	Allowable Ratio	Criteria
T1	92.5	Leg	A325N	0.6500	4	90.71	21582.80	0.004	✓	1 Bolt Tension

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Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt lb	Allowable Load per Bolt lb	Ratio Load Allowable	Allowable Ratio	Criteria
T2	82.5	Diagonal	A325N	0.6250	1	778.05	7830.00	0.099	✓	1 Member Bearing
		Top Girt	A325N	0.6250	1	69.01	13661.70	0.005	✓	1 Member Block Shear
		Leg	A325N	0.6500	4	402.75	21582.80	0.019	✓	1 Bolt Tension
T3	72.5	Diagonal	A325N	0.6250	1	1691.07	7830.00	0.216	✓	1 Member Bearing
		Leg	A325N	0.6500	4	1401.43	21582.80	0.065	✓	1 Bolt Tension
T4	62.5	Diagonal	A325N	0.6250	1	2447.60	7830.00	0.313	✓	1 Member Bearing
		Leg	A325N	0.6500	4	2568.98	21582.80	0.119	✓	1 Bolt Tension
T5	52.5	Diagonal	A325N	0.6250	1	2923.62	7830.00	0.373	✓	1 Member Bearing
		Leg	A325N	0.6500	4	4172.15	21582.80	0.193	✓	1 Bolt Tension
		Diagonal	A325N	0.6250	1	3762.50	7830.00	0.481	✓	1 Member Bearing
T6	42.5	Top Girt	A325N	0.6250	1	73.32	15242.40	0.005	✓	1 Gusset Bearing
		Leg	A325N	0.6500	4	6005.72	21582.80	0.278	✓	1 Bolt Tension
		Diagonal	A325N	0.6250	1	4395.87	7830.00	0.561	✓	1 Member Bearing
T7	32.5	Leg	A325N	0.6500	4	8438.29	21582.80	0.391	✓	1 Bolt Tension
		Diagonal	A325N	0.6250	1	5218.50	7830.00	0.666	✓	1 Member Bearing
T8	22.5	Leg	A325N	0.6500	4	10846.20	21582.80	0.503	✓	1 Bolt Tension
		Diagonal	A325N	0.6250	1	5756.35	7830.00	0.735	✓	1 Member Bearing
T9	12.5	Leg	A325N	0.6500	4	12655.30	21582.80	0.586	✓	1 Bolt Tension
		Diagonal	A325N	0.6250	1	8289.12	7830.00	1.059	✗	1 Member Bearing
		Top Girt	A325N	0.6250	1	4402.99	15242.40	0.289	✓	1 Gusset Bearing

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _n ft	Kl/r	A in ²	P _n lb	φP _n lb	Ratio P _n φP _n
T1	92.5 - 82.5	HSS4.5x.237	10.00	10.00	79.2 K=1.00	2.9709	-1088.52	80643.20	0.013 ¹
T2	82.5 - 72.5	HSS4.5x.237	10.00	10.00	79.2 K=1.00	2.9709	-3271.68	80643.20	0.041 ¹
T3	72.5 - 62.5	HSS4.5x.237	10.00	10.00	79.2 K=1.00	2.9709	-7964.49	80643.20	0.099 ¹
T4	62.5 - 52.5	HSS4.5x.237	10.00	10.00	79.2 K=1.00	2.9709	-13000.10	80643.20	0.161 ¹
T5	52.5 - 42.5	HSS4.5x.237	10.00	10.00	79.2 K=1.00	2.9709	-20604.40	80643.20	0.256 ¹
T6	42.5 - 32.5	HSS4.5x.237	10.00	10.00	79.2 K=1.00	2.9709	-28407.60	80643.20	0.352 ¹

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Section No.	Elevation	Size	L	L _u	K/r	A	P _n	φP _n	Ratio P _n / φP _n
	ft		ft	ft		in ²	lb	lb	
T7	32.5 - 22.5	HSS4.5x.237	10.00	10.00	79.2 K=1.00	2.9709	-39070.20	80643.20	0.484 ¹
T8	22.5 - 12.5	HSS4.5x.237	10.00	10.00	79.2 K=1.00	2.9709	-49319.70	80643.20	0.612 ¹
T9	12.5 - 2.5	HSS4.5x.237	10.00	10.00	79.2 K=1.00	2.9709	-56110.90	80643.20	0.696 ¹

¹ P_n / φP_n controls

Diagonal Design Data (Compression)

Section No.	Elevation	Size	L	L _u	K/r	A	P _n	φP _n	Ratio P _n / φP _n
	ft		ft	ft		in ²	lb	lb	
T1	92.5 - 82.5	L2 1/2x2 1/2x3/16	13.45	6.33	153.4 K=1.00	0.9020	-804.62	10974.70	0.073 ¹
T2	82.5 - 72.5	L2 1/2x2 1/2x3/16	13.45	6.33	153.4 K=1.00	0.9020	-1786.03	10974.70	0.163 ¹
T3	72.5 - 62.5	L2 1/2x2 1/2x3/16	13.45	6.33	153.4 K=1.00	0.9020	-2481.81	10974.70	0.226 ¹
T4	62.5 - 52.5	L2 1/2x2 1/2x3/16	13.45	6.33	153.4 K=1.00	0.9020	-3080.18	10974.70	0.281 ¹
T5	52.5 - 42.5	L2 1/2x2 1/2x3/16	13.45	6.33	153.4 K=1.00	0.9020	-3871.60	10974.70	0.353 ¹
T6	42.5 - 32.5	L2 1/2x2 1/2x3/16	13.45	6.33	153.4 K=1.00	0.9020	-4558.10	10974.70	0.415 ¹
T7	32.5 - 22.5	L2 1/2x2 1/2x3/16	13.45	6.33	153.4 K=1.00	0.9020	-5288.89	10974.70	0.482 ¹
T8	22.5 - 12.5	L2 1/2x2 1/2x3/16	13.45	6.33	153.4 K=1.00	0.9020	-5973.54	10974.70	0.544 ¹
T9	12.5 - 2.5	L2 1/2x2 1/2x3/16	13.45	6.33	153.4 K=1.00	0.9020	-9205.52	10974.70	0.839 ¹

¹ P_n / φP_n controls

Secondary Horizontal Design Data (Compression)

Section No.	Elevation	Size	L	L _u	K/r	A	P _n	φP _n	Ratio P _n / φP _n
	ft		ft	ft		in ²	lb	lb	
T1	92.5 - 82.5	2L2x2x3/16x3/8	9.00	8.63	124.6 K=1.00	1.4300	-398.69	25355.00	0.016 ¹
T2	82.5 - 72.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	141.0 K=1.00	0.8438	-619.60	11482.20	0.054 ¹
T3	72.5 - 62.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	141.0 K=1.00	0.8438	-161.42	11482.20	0.014 ¹
T4	62.5 - 52.5	2L2x2x3/16x3/8	9.00	8.63	124.6	1.4300	-214.19	25355.00	0.008 ¹

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Section No.	Elevation	Size	L	L _u	K/r	A	P _n	φP _n	Ratio P _n / φP _n
	ft		ft	ft		in ²	lb	lb	
T5	52.5 - 42.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	141.0 K=1.00	0.8438	-438.91	11482.20	0.038 ¹
T6	42.5 - 32.5	2L2x2x3/16x3/8	9.00	8.63	124.6 K=1.00	1.4300	-431.12	25355.00	0.017 ¹
T7	32.5 - 22.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	141.0 K=1.00	0.8438	-653.50	11482.20	0.057 ¹
T8	22.5 - 12.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	141.0 K=1.00	0.8438	-690.55	11482.20	0.060 ¹
T9	12.5 - 2.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	141.0 K=1.00	0.8438	-324.57	11482.20	0.028 ¹

¹ P_n / φP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation	Size	L	L _u	K/r	A	P _n	φP _n	Ratio P _n / φP _n
	ft		ft	ft		in ²	lb	lb	
T1	92.5 - 82.5	2L2x2x3/16	9.00	8.39	163.1 K=1.00	1.4300	-115.20	15388.40	0.007 ¹
T5	52.5 - 42.5	2L2x2x5/16	9.00	8.39	167.4 K=1.00	2.3000	-39.12	23483.50	0.002 ¹
T9	12.5 - 2.5	2L2 1/2x2 1/2x3/16x3/8	9.00	8.39	132.7 K=1.00	1.8000	-3945.12	27672.60	0.143 ¹

2L 'a' > 48.0167 in - 147

¹ P_n / φP_n controls

Inner Bracing Design Data (Compression)

Section No.	Elevation	Size	L	L _u	K/r	A	P _n	φP _n	Ratio P _n / φP _n
	ft		ft	ft		in ²	lb	lb	
T1	92.5 - 82.5	L1 3/4x1 3/4x3/16	12.73	12.35	431.6 K=1.00	0.6211	-14.89	954.28	0.016 ¹
T9	12.5 - 2.5	KL/R > 250 (C) - 5 L2 1/2x2 1/2x3/16 KL/R > 250 (C) - 143	12.73	12.35	299.5 K=1.00	0.9020	-180.18	2878.81	0.063 ¹

¹ P_n / φP_n controls

Tension Checks

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Leg Design Data (Tension)

Section No.	Elevation	Size	L	L _n	KI/r	A	P _n	ΦP _n	Ratio P _n /ΦP _n
	ft		ft	ft		in ²	lb	lb	
T1	92.5 - 82.5	HSS4.5x.237	10.00	10.00	79.2	2.9709	286.07	122994.00	0.002 ¹
T2	82.5 - 72.5	HSS4.5x.237	10.00	10.00	79.2	2.9709	1610.98	122994.00	0.013 ¹
T3	72.5 - 62.5	HSS4.5x.237	10.00	10.00	79.2	2.9709	5605.73	122994.00	0.046 ¹
T4	62.5 - 52.5	HSS4.5x.237	10.00	10.00	79.2	2.9709	10275.90	122994.00	0.084 ¹
T5	52.5 - 42.5	HSS4.5x.237	10.00	10.00	79.2	2.9709	16688.60	122994.00	0.136 ¹
T6	42.5 - 32.5	HSS4.5x.237	10.00	10.00	79.2	2.9709	24022.90	122994.00	0.195 ¹
T7	32.5 - 22.5	HSS4.5x.237	10.00	10.00	79.2	2.9709	33753.20	122994.00	0.274 ¹
T8	22.5 - 12.5	HSS4.5x.237	10.00	10.00	79.2	2.9709	43384.80	122994.00	0.353 ¹
T9	12.5 - 2.5	HSS4.5x.237	10.00	10.00	79.2	2.9709	50621.10	122994.00	0.412 ¹

¹ P_n / ΦP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation	Size	L	L _n	KI/r	A	P _n	ΦP _n	Ratio P _n /ΦP _n
	ft		ft	ft		in ²	lb	lb	
T1	92.5 - 82.5	L2 1/2x2 1/2x3/16	13.45	6.33	149.1	0.5710	778.05	24839.90	0.031 ¹
T2	82.5 - 72.5	L2 1/2x2 1/2x3/16	13.45	6.33	149.1	0.5710	1691.07	24839.90	0.068 ¹
T3	72.5 - 62.5	L2 1/2x2 1/2x3/16	13.45	6.33	149.1	0.5710	2447.60	24839.90	0.099 ¹
T4	62.5 - 52.5	L2 1/2x2 1/2x3/16	13.45	6.33	149.1	0.5710	2923.62	24839.90	0.118 ¹
T5	52.5 - 42.5	L2 1/2x2 1/2x3/16	13.45	6.33	149.1	0.5710	3762.50	24839.90	0.151 ¹
T6	42.5 - 32.5	L2 1/2x2 1/2x3/16	13.45	6.33	149.1	0.5710	4395.87	24839.90	0.177 ¹
T7	32.5 - 22.5	L2 1/2x2 1/2x3/16	13.45	6.33	149.1	0.5710	5218.50	24839.90	0.210 ¹
T8	22.5 - 12.5	L2 1/2x2 1/2x3/16	13.45	6.33	149.1	0.5710	5756.35	24839.90	0.232 ¹
T9	12.5 - 2.5	L2 1/2x2 1/2x3/16	13.45	6.33	149.1	0.5710	8289.12	24839.90	0.334 ¹

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¹ P_n / ΦP_n controls

Secondary Horizontal Design Data (Tension)

Section No.	Elevation	Size	L	L _n	KI/r	A	P _n	ΦP _n	Ratio P _n /ΦP _n
	ft		ft	ft		in ²	lb	lb	
T1	92.5 - 82.5	2L2x2x3/16x3/8	9.00	8.63	105.9	1.4300	410.75	46332.00	0.009 ¹
T2	82.5 - 72.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	119.6	0.8438	639.49	27337.50	0.023 ¹
T3	72.5 - 62.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	119.6	0.8438	194.49	27337.50	0.007 ¹
T4	62.5 - 52.5	2L2x2x3/16x3/8	9.00	8.63	105.9	1.4300	245.51	46332.00	0.005 ¹
T5	52.5 - 42.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	119.6	0.8438	489.09	27337.50	0.018 ¹
T6	42.5 - 32.5	2L2x2x3/16x3/8	9.00	8.63	105.9	1.4300	457.83	46332.00	0.010 ¹
T7	32.5 - 22.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	119.6	0.8438	676.97	27337.50	0.025 ¹
T8	22.5 - 12.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	119.6	0.8438	646.93	27337.50	0.024 ¹
T9	12.5 - 2.5	2L1 3/4x1 3/4x1/8x3/8	9.00	8.63	119.6	0.8438	269.13	27337.50	0.010 ¹

¹ P_n / ΦP_n controls

Top Girt Design Data (Tension)

Section No.	Elevation	Size	L	L _n	KI/r	A	P _n	ΦP _n	Ratio P _n /ΦP _n
	ft		ft	ft		in ²	lb	lb	
T1	92.5 - 82.5	2L2x2x3/16	9.00	8.39	167.7	0.8616	69.01	37478.00	0.002 ¹
T5	52.5 - 42.5	2L2x2x5/16	9.00	8.39	172.2	1.3734	73.32	59744.50	0.001 ¹
T9	12.5 - 2.5	2L2 1/2x2 1/2x3/16x3/8	9.00	8.39	133.0	1.1391	4402.99	49549.20	0.089 ¹
2L 'a' > 48.0167 in - 145									

¹ P_n / ΦP_n controls

Inner Bracing Design Data (Tension)

LETS AMERICA Engineers & Architects <i>LETS America, Inc</i> 112 South Kyrene Road, Suite 1 Chandler, AZ 85226 Phone: (480) 961-9151 FAX: (480) 961-9151	Job	254436	Page	26 of 27
	Project	MW Upgrade	Date	10:45:02 09/15/22
	Client	Verizon	Designed by	Lokesh Narayanappa EIT

Section No.	Elevation	Size	L	L _u	KI/r	A	P _u	φP _n	Ratio P _u /φP _n
	ft		ft	ft		in ²	lb	lb	
T9	12.5 - 2.5	L2 1/2x2 1/2x3/16	12.73	12.35	190.5	0.9020	183.20	29224.80	0.006 ¹

¹ P_u / φP_n controls

Section Capacity Table

Section No.	Elevation	Component Type	Size	Critical Element	P lb	φP _{allow} lb	% Capacity	Pass Fail
T1	92.5 - 82.5	Leg	HSS4.5x.237	3	-1088.52	80643.20	1.3	Pass
T2	82.5 - 72.5	Leg	HSS4.5x.237	23	-3271.68	80643.20	4.1	Pass
T3	72.5 - 62.5	Leg	HSS4.5x.237	39	-7964.49	80643.20	9.9	Pass
T4	62.5 - 52.5	Leg	HSS4.5x.237	55	-13060.10	80643.20	16.1	Pass
T5	52.5 - 42.5	Leg	HSS4.5x.237	71	-20604.40	80643.20	25.6	Pass
T6	42.5 - 32.5	Leg	HSS4.5x.237	91	-28407.60	80643.20	35.2	Pass
T7	32.5 - 22.5	Leg	HSS4.5x.237	107	-39070.20	80643.20	48.4	Pass
T8	22.5 - 12.5	Leg	HSS4.5x.237	123	-49319.70	80643.20	61.2	Pass
T9	12.5 - 2.5	Leg	HSS4.5x.237	139	-56110.90	80643.20	69.6	Pass
T1	92.5 - 82.5	Diagonal	L2 1/2x2 1/2x3/16	17	-804.62	10974.70	7.3	Pass
						9.9 (b)		
T2	82.5 - 72.5	Diagonal	L2 1/2x2 1/2x3/16	34	-1786.03	10974.70	16.3	Pass
						21.6 (b)		
T3	72.5 - 62.5	Diagonal	L2 1/2x2 1/2x3/16	49	-2481.81	10974.70	22.6	Pass
						31.3 (b)		
T4	62.5 - 52.5	Diagonal	L2 1/2x2 1/2x3/16	66	-3080.18	10974.70	28.1	Pass
						37.3 (b)		
T5	52.5 - 42.5	Diagonal	L2 1/2x2 1/2x3/16	85	-3871.60	10974.70	35.3	Pass
						48.1 (b)		
T6	42.5 - 32.5	Diagonal	L2 1/2x2 1/2x3/16	95	-4558.10	10974.70	41.5	Pass
						56.1 (b)		
T7	32.5 - 22.5	Diagonal	L2 1/2x2 1/2x3/16	117	-5288.89	10974.70	48.2	Pass
						66.6 (b)		
T8	22.5 - 12.5	Diagonal	L2 1/2x2 1/2x3/16	127	-5973.54	10974.70	54.4	Pass
						73.5 (b)		
T9	12.5 - 2.5	Diagonal	L2 1/2x2 1/2x3/16	149	-9205.52	10974.70	83.9	Fail
						105.9 (b)		
T1	92.5 - 82.5	Secondary Horizontal	2L2x2x3/16x3/8	22	-398.69	25355.00	1.6	Pass
T2	82.5 - 72.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	38	-619.60	11482.20	5.4	Pass
T3	72.5 - 62.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	53	-161.42	11482.20	1.4	Pass
T4	62.5 - 52.5	Secondary Horizontal	2L2x2x3/16x3/8	69	-214.19	25355.00	0.8	Pass
T5	52.5 - 42.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	90	-438.91	11482.20	3.8	Pass
T6	42.5 - 32.5	Secondary Horizontal	2L2x2x3/16x3/8	105	-431.12	25355.00	1.7	Pass
T7	32.5 - 22.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	121	-653.50	11482.20	5.7	Pass
T8	22.5 - 12.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	136	-690.55	11482.20	6.0	Pass
T9	12.5 - 2.5	Secondary Horizontal	2L1 3/4x1 3/4x1/8x3/8	160	-324.57	11482.20	2.8	Pass
T1	92.5 - 82.5	Top Girt	2L2x2x3/16	9	-115.20	15388.40	0.7	Pass
T5	52.5 - 42.5	Top Girt	2L2x2x5/16	76	-39.12	23483.50	0.2	Pass
						0.5 (b)		
T9	12.5 - 2.5	Top Girt	2L2 1/2x2 1/2x3/16x3/8	147	-3945.12	27672.60	14.3	Pass
						28.9 (b)		
T1	92.5 - 82.5	Inner Bracing	L1 3/4x1 3/4x3/16	5	-14.89	954.28	1.6	Pass
T9	12.5 - 2.5	Inner Bracing	L2 1/2x2 1/2x3/16	143	-180.18	2878.81	6.3	Pass
						Summary		
						Leg (T9)	69.6	Pass
						Diagonal	105.9	Fail

LETS AMERICA Engineers & Architects <i>LETS America, Inc</i> 112 South Kyrene Road, Suite 1 Chandler, AZ 85226 Phone: (480) 961-9151 FAX: (480) 961-9151	Job	254436	Page	27 of 27
	Project	MW Upgrade	Date	10:45:02 09/15/22
	Client	Verizon	Designed by	Lokesh Narayanappa EIT

Section No.	Elevation	Component Type	Size	Critical Element	P lb	φP _{allow} lb	% Capacity	Pass Fail
						(T9)		
						Secondary Horizontal (T8)	6.0	Pass
						Top Girt (T9)	28.9	Pass
						Inner Bracing (T9)	6.3	Pass
						Bolt Checks	105.9	Fail
						RATING =	105.9	Fail

Program Version 8.1.1.0 - 6/3/2021 File C:/Users/Lokesh/Downloads/254436/254436.eri

ANCHOR BOLT ANALYSIS

Design of Anchor Bolts Using TIA-222-Rev H Section 4.9.9 For Self Support Anchor Rods

Loads from Tower Reactions

Compression Load= 69.524 kips
Shear Load= 8.412 kips
Uplift Load= 62.526 kips

Anchor rods Data

Diameter(d)= 1 in
Material= Grade 36
Number of Rods= 4
Fy= 36 ksi
Fu= 58 ksi
L_u= 1 in
4*d= 4 in

Anchor projection length

$$dn = d - \frac{0.9743}{n}$$

$$Ag = \pi * \frac{d^2}{4}$$

$$An = \frac{\pi}{4} * \left(d - \frac{0.9743}{n} \right)^2$$

$$Z = \frac{dn^3}{6}$$

n= 8 (Assumed) Number of thread per inch
dn= 0.88 in Tensile root Diameter
Ag= 0.785 in² Gross Area of anchor rod
An= 0.61 in² Net Area of anchor rod
Z= 0.11 in⁴ Plastic Section Modulus

Strength calculations

φR_{nt} = 0.75 * F_u * A_n φR_{nt}= 26.35 kips Tensile Strength
φR_{nc} = F_y * A_n φR_{nc}= 21.81 kips Compression yield Strength
φR_{nv} = 0.5 * 0.75 * F_u * A_g φR_{nv}= 17.07 kips Shear rupture Strength
φR_{nvc} = 0.6 * F_y * A_n/2 φR_{nvc}= 6.54 kips Shear yield Strength

Loads for Analysis

T= 15.63 kips Tension Load on Anchor rod
P_u= 17.38 kips Compression Load on Anchor rod
V_u= 2.10 kips Shear Load on Anchor rod

Combined forces Check

Rating Eq1= 36.7%
Rating Eq2= 90.0%
Max Rating= 90.0% <=100%

Rods are adequated

$$\frac{1ar \leq d}{\left[\frac{T}{\phi R_{nt}} \right]^2 + \left[\frac{V_u}{\phi R_{nv}} \right]^2} \leq 1$$

$$\left[\frac{P_u}{\phi R_{nc}} \right] + \left[\frac{V_u}{\phi R_{nvc}} \right]^2 \leq 1$$

Marisa Reeves

From: Julie Jones <Juliej@md7.com>
Sent: Friday, September 2, 2022 3:18 PM
To: Paden@eaglecomelko.com
Cc: elkotvdistrict@gmail.com
Subject: FA: 10147679 | Lease ID: 134561 | Name: ZAL - NV02 Carlin Tunnels | Mkt: San Francisco / Sacr / Reno
Attachments: 10147679_134561 - ATT Terms Sheet .pdf; 134561 - ATT TOSS Notice.docx

Good Evening Paden,

Thank you for taking time out of your day to speak with me about your AT&T site located at Grindstone Mountain Carlin, NV 89822. Per our discussion, AT&T is working to densify its network, and we need to know now that we can count on this site for the next 15-30 years to support the long-term network design.

I have attached the Lease terms that AT&T needs to achieve, as well as a copy of your current Lease agreement. Any new terms included will be incorporated into the new amendment, which we will draft, once the new terms have been agreed upon by both parties.

I will be reaching out in a few days, after you've had some time to review the proposed terms, and we can talk about how to proceed.

I look forward to speaking with you.

Thanks,

Julie Jones
Lease Consultant



10590 W. Ocean Air Drive, Suite 250
San Diego, CA 92130
D 858 333 5596
Juliej@md7.com



10590 West Ocean Air Drive, Suite 300
San Diego, CA 92130

June 28, 2022

Elko Television District
PO BOX 456
Elko, NV 89803

Re: AT&T Cell Site Lease | FA: **10147679** | Site Name: ZAL - NV02 Carlin Tunnels

Dear Landlord,

AT&T is in a very competitive space and we need to ensure that our lease terms and conditions are supportive of our current and future needs. AT&T has the option to either extend or terminate the above referenced lease ("Lease") in approximately three years. AT&T is instituting a new program to evaluate terms and conditions of all leases coming up for renewal, explore advance renegotiation options and consider possible alternative site locations. Our first choice is to create a new agreement that serves both parties well. Conditions we desire to implement in all new "go forward" leases include:

- "Real Estate Rights": In its simplest form, a lease right to utilize the entire RAD center without any "per touch" rent upcharges.
- Rents reduced to competitive rates.
- Reduced or no annual escalators (depending on other terms of the overall new deal).
- "Fair" early termination rights.

As you know, it takes time to negotiate, plan and execute a site relocation. That is why AT&T's review process is starting now. Please review the specifics of our Lease agreement and advise if you are willing to enter into discussions regarding a new, modified contract. For new terms consistent with the above, AT&T will in turn consider additional term extensions.

AT&T will appreciate a reply within 60 days of receipt of this letter. A "no" or non-response will trigger AT&T's review of alternate locations. A positive response will be appreciated, but satisfactory terms and conditions must be negotiated within 90 days or AT&T will continue to evaluate alternative site locations. Responses may be sent via email, standard mail, or called in as designated below. Please reference FA number **10147679** in your response so that AT&T may ensure your response is documented accordingly. AT&T values its association with you and looks forward to continuing this relationship for the long term.

Sincerely,

Gregory D. Ohmer
Director – Network Planning

Email Responses to: g03998@att.com with a Subject line of **Partnership** - FA 10147679

Mail Responses to: AT&T Cell Site Partnership 1347 (FA 10147679)
1025 Lenox Park Blvd. NE, 3rd Floor
Atlanta, GA 30319
Attn: Kevin Diehl

Telephone Number: **888-517-1212** (8am to 5pm PDT)

MD7

September 2, 2022

Paden Hillard
PO BOX 456
Elko, NV 89803

Re: Communications Facility located at
Grindstone Mountain Dup,
Carlin, NV 89822

Contract #: 134561 / FA#: 10147679

Dear Landlord,

As you are aware, AT&T Mobility ("AT&T") has partnered with MD7 to work with you to facilitate certain modifications to the cell site lease on your property. These modifications will allow AT&T to meet current business requirements and enhance your site's value to the network.

Changes in the Wireless Industry

Recent industry developments are changing how wireless telecommunications carriers operate. In the past, carriers focused on rapidly building out their networks in order to provide the best coverage. Today, while consumers are enjoying greater services and better coverage than ever before, operating costs continue to escalate. As a result, the wireless industry is also focusing on operating networks as efficiently as possible.

Eliminating Risk and Increasing Value

AT&T is addressing this shift by reviewing its cell site portfolio. AT&T has partnered with MD7 to offer selected landlords like you the opportunity to minimize the business risks associated with industry uncertainties and to increase the value of your cell site lease.

Criteria for Cellular Site Retention

AT&T is willing to offer the following option to secure a longer-term lease with you:

- **\$2000.00** per month, commencing **April 1, 2023**
- **2.5%** rent increase every year, commencing **April 1, 2023**
- Extension of Lease through **September 30, 2043**

Option 2

- **Lump Sum Payment Option:** Provide a one-time lump sum payment of **\$320,000.00**. In return, you will grant a fifty-five (55) year easement on your property and assign the lease rights and rental income under your lease with AT&T to MD7 or an affiliate of MD7.
- **Installment Payment Option:** Provide a total payment of **\$382,000.00** paid in **five (5)** equal installments of **\$76,400.00**. In return, you will grant a fifty-five (55) year easement on your property and assign the lease rights and rental income under your lease with AT&T to MD7 or an affiliate of MD7.

It is important for you to know that the pre-payment does not change the ownership or control of the rest of your property in any manner.

In order to maintain its long-term flexibility, AT&T will also require the following lease provisions to address future technological and network changes:

■ Expansion of Permitted Use

"Tenant, its personnel, invitees, contractors, agents, subTenants, or its authorized sublessees, or assigns may use the Premises, at no additional cost or expense, for the transmission and reception of any and all communications signals and to modify, supplement, replace, upgrade, expand, including but not limited to the number and type(s) of antennas, or refurbish the equipment and/or improvements thereon or relocate the same within the Premises at any time during the term of the Agreement for any reason, or in order to be in compliance with any current or future federal, state or local mandated application, including but not limited to emergency 911 communication services, or for any other reason. Landlord shall reasonably cooperate in obtaining governmental and other use permits or approvals necessary or desirable for the foregoing permitted use. If Landlord does not comply with the terms of this section, in addition to any other rights it may have at law, Tenant may terminate the Agreement and shall have no further liability to Landlord. If Landlord does not comply with the terms of this section, Tenant will have the right to exercise any and all rights may available to it under law and equity, including the right to cure Landlord's default and to deduct the costs of such cure from any monies due to Landlord from Tenant."

■ Termination

"In addition to any rights that may exist in the Agreement, after the Rent Guarantee Period, as defined below, Tenant may terminate the Agreement at any time with thirty (30) days prior written notice to Landlord for any or no reason."

■ Right of First Refusal

"Notwithstanding any other provisions contained in the Agreement, if at any time after the Effective Date, Landlord receives a bona fide written offer from a third party seeking any sale, conveyance, assignment or transfer, whether in whole or in part, of any property interest in or related to the Premises, including without limitation any offer seeking an assignment or transfer of the Rent payments associated with the Agreement or an offer to purchase an easement with respect to the Premises ("Offer"), Landlord shall immediately furnish Tenant with a copy of the Offer. Tenant shall have the right within ninety (90) days after it receives such copy to match the financial terms of the Offer and agree in writing to match such terms of the Offer. Such writing shall be in the form of a contract substantially similar to the Offer, but Tenant may assign its rights to a third party. If Tenant chooses not to exercise this right or fails to provide written notice to Landlord within the ninety (90) day period, Landlord may sell, convey, assign or transfer such property interest in or related to the Premises pursuant to the Offer, subject to the terms of the Agreement. If Landlord attempts to sell, convey, assign or transfer such property interest in or related to the Premises without complying with this paragraph, the sale, conveyance, assignment or transfer shall be void. Tenant shall not be responsible for any failure to make payments under the Agreement and reserves the right to hold payments due under the Agreement until Landlord complies with this paragraph. Tenant's failure to exercise the right of first refusal shall not be deemed a waiver of the rights contained in this paragraph with respect to any future proposed conveyances as described herein."

■ Sale of Property

(a) "Landlord shall not be prohibited from the selling, leasing or use of any of the Property or the surrounding Property except as provided below.

(b) If Landlord, at any time during the Term of the Agreement, decides to rezone or sell, subdivide or otherwise transfer all or any part of the Premises, or all or any part of the Property or surrounding Property, to a purchaser other than Tenant, Landlord shall promptly notify Tenant in writing, and such rezoning, sale, subdivision or transfer shall be subject to the Agreement and Tenant's rights hereunder. In the event of a change in ownership, transfer or sale of the Property, within ten (10) days of such transfer, Landlord or its successor shall send the documents listed below in this subsection (b) to Tenant. Until Tenant receives all such documents, Tenant shall not

be responsible for any failure to make payments under the Agreement and reserves the right to hold payments due under the Agreement.

- i. Old deed to Property
- ii. New deed to Property
- iii. Bill of Sale or Transfer
- iv. Copy of current Tax Bill
- v. New IRS Form W-9
- vi. Completed and Signed AT&T Payment Direction Form
- vii. Full contact information for new Landlord including phone number(s)

(c) Landlord agrees not to sell, lease or use any areas of the Property or surrounding Property for the installation, operation or maintenance of other wireless communications facilities if such installation, operation or maintenance would interfere with Tenant's Permitted Use or communications equipment as determined by radio propagation tests performed by Tenant in its sole discretion. Landlord or Landlord's prospective purchaser shall reimburse Tenant for any costs and expenses of such testing. If the radio frequency propagation tests demonstrate levels of interference unacceptable to Tenant, Landlord shall be prohibited from selling, leasing or using any areas of the Property or the surrounding Property for purposes of any installation, operation or maintenance of any other wireless communications facility or equipment.

(d) The provisions of this paragraph shall in no way limit or impair the obligations of Landlord under the Agreement, including interference and access obligations."

■ Removal/Restoration

"In addition to the terms set forth in the Agreement, Landlord agrees that the Communications Facility and any related equipment brought to the Premises by Tenant, its agents, contractors, predecessors in interest or subTenants, shall be and remain Tenant's personal property or the personal property of its subTenant(s), as the case may be. Landlord waives any and all rights it may have, including any rights it may have in its capacity as Landlord under the Agreement to assert any liens, encumbrances or adverse claims, statutory or otherwise, related to or in connection with the Communications Facility or any portion thereof. Tenant, in its sole discretion, may remove the Communications Facility or any portion of the Communications Facility at any time during the Term of the Agreement, without notice to Landlord and without Landlord's consent. Notwithstanding any terms to the contrary, Tenant will not be responsible for the replacement of any trees, shrubs or other vegetation, nor will Tenant be required to remove from the Premises or the Property any foundations or underground utilities. Tenant, may, in its sole discretion, transfer any improvements or alterations to the Premises to Landlord at any time during the Term of the Agreement without notice to the Landlord and without the Landlord's consent."

This letter of understanding is subject in all respects to the preparation, execution and delivery of a definitive amendment in form and substance mutually agreeable to each of us. This letter will not be legally binding between us with respect to the proposed business relationship, but instead serves as a statement of our mutual intent to work toward entering into such an amendment.

AT&T values its affiliation with you and hopes to continue a long and mutually profitable relationship in the years to come. After having reviewed these options, please contact me prior to **September 12, 2021**.

Thank you for your consideration.

Sincerely,

MD7

Julie Jones

Lease Consultant

d: 858-333-5596

a: 10590 West Ocean Air Drive, Suite 250
San Diego, CA 92130

e: Juliej@md7.com

Authorized Agent for AT&T Mobility

cc: Gregory D. Ohmer

Director-Network Planning, AT&T Mobility



APN #: N/A (Extension of Agreement Term)

Recorded at the request of, and
when recorded, return to:

Nevada Gold Mines LLC
1655 Mountain City Highway
Elko, NV 89801
Attn: Land Department

Mail Tax Statement to: N/A (Extension of Agreement Term)

Space Above for County Recorder's Use

Affirmation Statement: The undersigned affirms that this document does not contain any social security numbers or other personal information of any person (Per NRS 239B.030).

FIRST AMENDMENT TO COMMUNICATION FACILITIES LEASE AGREEMENT

This First Amendment to Communication Facilities Lease Agreement ("Amendment ") is made effective the ____ day of _____, 2022, by and between **Nevada Gold Mines LLC**, a Delaware limited liability company ("Sublessee"), and **Elko Television District**, ("Sublessor"). Collectively, Sublessor and Sublessee shall be referred to as the Parties.

RECITALS

- A. Barrick Gold of North America and Elko Television District entered into that certain Communication Facilities Lease Agreement dated January 1, 2012 (the "Agreement").
- B. Sublessee is successor in interest to Barrick Gold of North America.
- C. The Parties desire to amend the Agreement as set forth below;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree that the Agreement is amended in the following respects:

- 1. Terms used herein and not otherwise defined shall have the meaning ascribed to them in the Agreement.
- 2. Article IX- Option to Renew is hereby deleted and replaced with the following:

The Sublessee shall have the option to renew this Agreement for three successive five (5) year terms by serving Sublessor with written notice of its intention to renew

at least thirty (30) days prior to the expiration of the Agreement term. The yearly lease amount may be renegotiated at the time of renewal. The exercise of the renewal option shall not be effective or binding upon the Sublessee unless and until the same has been approved by the appropriate official action of the sublessee.

3. Except as expressly modified by this Amendment, the Agreement remains in full force and effect in accordance with its terms and conditions.

[SIGNATURES ON THE FOLLOWING PAGE]

Sublessee:
Nevada Gold Mines LLC, a Delaware limited liability company

By: _____
Print Name: Hiliary Wilson
Title: Secretary

STATE OF NEVADA)
 ss.
COUNTY OF ELKO)

The foregoing instrument was acknowledged before me this ____ day of _____, 2022 by Hiliary Wilson, the Secretary of Nevada Gold Mines LLC, a Delaware limited liability company.

Notary Public

Agreement Number _____

COMMUNICATION FACILITIES LEASE AGREEMENT

This Agreement is made and entered into this ____1st____ day of January, 2012, by and between the ELKO TELEVISION DISTRICT hereinafter referred to as the SUB-LESSOR and Barrick Gold of North America hereinafter referred to as the SUB-LESSEE, .

WITNESSETH:

WHEREAS, pursuant to the provisions contained in the charter of the Elko Television District, The elected board may enter into agreements necessary to carry out lease of space for the public good; and

WHEREAS, SUB-LESSEE desires to enter into a SUB-LEASE with the above named SUB-LESSOR so as to enable the SUB-LESSEE to install microwave equipment and antennae; and

NOW, THEREFORE, in consideration of the premises and the mutual covenants hereinafter contained, it is hereby agreed by and between the parties as follows:

ARTICLE I - THE PREMISES AND ITS USE

1. The SUB-LESSOR hereby agrees to SUB-LEASE and the SUB-LESSEE hereby agrees to SUB-LEASE from the SUB-LESSOR, space within that certain premises located at Grindstone Mountain, in the County of Elko, State of Nevada, for such uses as will accommodate the SUB-LESSEE'S installation and operation of communications equipment on the subject property, said equipment to include and be limited to equipment listed by schedule in article 4, including associated filters and IM suppression equipment.

ARTICLE II - TERM OF LEASE

1. The SUB-LESSOR hereby agrees to grant a License unto SUB-LESSEE and SUB-LESSEE hereby agrees to accept a Lease from the SUB-LESSOR, relating to the subject premises and uses heretofore described, with the term of said Lease commencing on January 1, 2012, and terminating on December 31, 2017, unless this Agreement has been renewed according to the provisions hereinafter set forth.

ARTICLE III - COMPLIANCE WITH THE LAW

1. The parties hereto shall comply with all statutes, rules, orders, building codes, ordinances, requirements and regulations of the City, County, State and Federal governments, applicable to the premises, including but not limited to OSHA, The Americans With Disabilities Act of 1990 (ADA) set forth in 42 U.S.C. Section 12101 through 12213 and 47 U.S.C. Sections 225.611.
2. SUB-LESSEE shall maintain and post copies of all relevant FCC license documentation for equipment installed under the terms of this agreement.

ARTICLE IV - FEES AND CHARGES

1. The SUB-LESSEE agrees to pay yearly, in advance the SUB-LESSOR the sum of Three Thousand Eight Hundred and no/100 Dollars (\$3800.00) The SUB-LESSEE shall tender payment to the SUB-LESSOR on a yearly basis. The services to be provided by the SUB-LESSOR to the SUB-LESSEE in consideration for the SUB-LESSEE's payment of the aforementioned sum shall include:

Grindstone Site;

- a. Facility space: 1 each 20 RU 19" Rack Space,
- b. Utilities: including air conditioning, and electricity.

Customer equipment permitted under lease;

- a. p2p800 that is pointed towards Chevas peak. One 3 foot dish that is pointed towards Chevas peak.
- b. p2p600 that is pointed towards Cortez Tenabo peak. Two 5.8 GHZ 3 foot dishes that are pointed toward the Tenabo peak.
- c. p2p800 that is pointed towards the SBC building in Elko Nevada. 3 foot dish 11GHZ frequency.
- d. p2p800 microwave towards the Bald Mountain site in Nevada. 6 foot dish facing south towards the Bald Mountain site.

ARTICLE V - REPAIR AND MAINTENANCE

1. The SUB-LESSOR agrees to maintain the premises in as good a state of repair as when first occupied, ordinary wear and tear, obsolescence and damage by the elements, fire or other casualty excepted.

2. The SUB-LESSOR agrees to make any and all replacements and or repairs, including but not limited to the structural, heating, air conditioning, flooring, roofing, wall, electrical, gas and plumbing elements, components and structures requiring replacement and or repair as a result of any defect, wear or damage not caused by the negligence of the SUB-LESSEE.

3. The SUB-LESSOR agrees to conduct any and all repairs and maintenance at reasonable times and without undue inconvenience to SUB-LESSEE. The SUB-LESSEE agrees to permit the SUB-LESSOR, its agents and other employees, to have access to and to enter the Leased premises at all reasonable and necessary times, for any purpose connected with the repair, care and improvement of the premises.

4. The Parties agree that the SUB-LESSEE shall be entitled to an abatement and or reduction in fees charged under this Agreement in the event of any impairment of the SUB-LESSEE's use or enjoyment of the Leased premises.

ARTICLE VI - LIABILITY, DEFENSE, INDEMNIFICATION

1. Agreement liability of both parties shall not be subject to punitive damages. Actual damages for any SUB-LESSEE breach shall never exceed the amount of funds which have been appropriated for payment under this Agreement, but not yet paid, for the fiscal year budget in existence at the time of the breach.

ARTICLE VII - INSURANCE

1. The SUB-LESSOR agrees and accepts that the SUB-LESSEE is self-insured and will maintain adequate coverage during the term of the lease.

ARTICLE VIII - CHOICE OF LAW AND FORUM

1. This Agreement and the rights and obligations of the parties hereto shall be governed by and construed according to the laws of the State of Nevada. The parties consent to the exclusive jurisdiction of the Nevada state district courts for enforcement of this Agreement.

ARTICLE IX - OPTION TO RENEW

1. The SUB-LESSEE shall have the option to renew this Agreement for one successive 5 year term by serving SUB-LESSOR with written notice of its intention to renew at least thirty (30) days prior to the expiration of the Agreement term. The yearly lease amount may be renegotiated at the time of renewal. The exercise of the renewal option shall not be effective or binding upon the SUB-LESSEE unless and until the same has been approved by the appropriate official action of the SUB-LESSEE.

ARTICLE X - NOTICES

1. Except as otherwise provided for within this Agreement, all notices or other communications required or permitted to be given under this Agreement shall be in writing and shall be deemed to have been duly given if delivered personally in hand, by telephonic facsimile electronic mail with, or mailed certified mail, return receipt requested, postage prepaid on the date posted and addressed to the other party at the address set forth below:

For SUB-LESSEE: Barrick Gold of North America
ATTN: IT Department
PO Box 29
Elko, NV 89803
775-778-3800

For SUB-LESSOR: Bill Hance
Elko Television District
P. O. Box 456
Elko, NV 89803
Phone: 775-778-0561

ARTICLE XI - TERMINATION, BREACH AND DEFAULT

1. This Agreement may be terminated unilaterally, for cause, upon thirty (30) calendar days service of written notice and may be unilaterally terminated without cause, upon service of one hundred eighty (180) calendar day's written notice. In the event that this Agreement is terminated without cause, by either the SUB-LESSOR or the SUB-LESSEE, or by mutual consent, the SUB-LESSOR shall return to the SUB-LESSEE, within two hundred and ten (210) calendar days following service of said notice, that sum representing any and all License payments paid by SUB-LESSEE to SUB-LESSOR for services to be provided for that period of time extending beyond the one hundred and eighty (180) day notice period.

2. A default or breach may be declared with or without termination. This Agreement may be terminated by either party upon service of written notice of default or breach to the other party as follows:

a. If a party hereto fails to provide or satisfactorily perform any of the conditions, work and or services called for by this Agreement; or

b. If any state, county, city or federal license, authorization, waiver, permit, qualification or certification required by statute, ordinance, law or regulation to be held by the SUB-LESSOR to provide the services required by this Agreement is for any reason denied, revoked, debarred, excluded, terminated, suspended, lapsed or not renewed; or

c. If the SUB-LESSOR becomes insolvent, subject to receivership, or becomes voluntarily or involuntarily subject to the jurisdiction of the bankruptcy court; or

d. If a party hereto materially breaches any material duty under this Agreement and any such breach impairs the other party's ability to perform; or

3. Failure to declare a breach or the actual waiver of any particular breach of the Agreement or its material or nonmaterial terms by either party shall not operate as a waiver by such party of any of its rights or remedies as to any other breach.

4. Except as otherwise provided for by law or this Agreement, the rights and remedies of the parties shall not be exclusive and are in addition to any other rights and remedies provided by law or equity, including but not limited to the recovery of actual damages, and the prevailing party's attorney's fees and costs.

5. The parties agree that upon termination of this Agreement, the SUB-LESSEE will peaceably and quietly leave, surrender and yield up to the SUB-LESSOR, the Licensed premises.

ARTICLE XII - MISCELLANEOUS

1. All covenants and agreements herein contained shall extend to and be obligatory upon the heirs, executors, administrators, and successors, as the case may be, of the respective parties.

2. It is agreed to by and between the parties that the SUB-LESSEE, upon keeping and performing the covenants herein contained, shall at all times during said License peaceably and quietly have, hold and enjoy the Licensed premises without suit, trouble or hindrance from the SUB-LESSOR, provided, however, and it is further agreed, the SUB-LESSEE will perform and fulfill each and every condition and covenant contained herein, unless such performance is excused.

3. The SUB-LESSEE agrees that upon the termination of the License, it shall remove or cause to be removed, at its own expense, any and all improvements erected or emplaced by it on said premises.

4. To the fullest extent permitted by law, including but not limited to NRS Chapter 41 liability limitations, in the event of legal action brought by either party to enforce the terms hereof or relating to the premises, the prevailing party shall be entitled to all costs incurred in connection with such action, including reasonable attorney's fees.

5. Neither party shall assign, transfer or delegate any rights, obligations or duties under this Agreement without the prior written consent of the other party, which consent shall not be unreasonably withheld.

6. The parties hereto represent and warrant that the person executing this Agreement on behalf of each party has full power and authority to enter into this Agreement.

7. This Agreement shall constitute the entire understanding between the parties and no modification shall be binding unless in writing and signed by the parties.

IN WITNESS WHEREOF, the SUB-LESSEE has signed and the SUB-LESSOR has caused its name to be signed hereon on the date first written above.

SUB-LESSOR: Elko Television District

SUB-LESSEE:



Bill Hance

BILL HANCE

Name (Print)

CHIEF ENGINEER

Chief Engineer

 Hans van Gortler

Barrick Gold of North America

Approved as to Legality and Form:

ETVD counsel

Tower Space Request

The purpose of this document is to specify the space that is being requested by Sky Fiber Internet.

Site Details

Site Name: Ryndon

GPS: 40.965016,-115.613117

Requested space

Total Space Requested: 10'

Location of space: 5' at 60' on the NW leg and the SE leg

Equipment in the space:

NW Leg

- 2 - 1.5' x 1.5' antenna (5GHz)
- 2 - 1.5' x 9" antenna (5GHz)
- 1 - 3' antenna (11GHz)

SE Leg

- 2 - 1.5' x 1.5' antenna (5GHz)
- 2 - 1.5' x 9" antenna (5GHz)
- PTZ Camera

Requested Rack Space

- ¼ Rack

Equipment specs

- 1.5' x 1.5' antenna (5GHz) -
<https://www.taranawireless.com/wp/wp-content/uploads/2022/03/Tarana-G1-Data-Sheet-2021.09.pdf>
- 1.5' x 9" antenna (5GHz) -
<https://rfelements.com/assets/Uploads/Datasheet-HG3-TP-A90.pdf>
- 3' antenna (11GHz) -
<https://www.commscope.com/globalassets/digizuite/471533-p360-vhlp3-11w-a-external.pdf>
- PTZ Camera -
https://www.hikvision.com/content/dam/hikvision/en/support/regional-materials/thailand/DS-2DE5230W-AET3_spc.pdf

Power consumption

- 1200 watts

ELKO TELEVISION DISTRICT

Request for Site Rental Space

New Customer	
Existing Customer	
Site Name	
Customer Name	
Contact Person	
Address	
Phone Number	
Email	
Tower Space	
Type of Antenna	
Quantity	
Manufacturer	
Model	
Dimensions	
Frequency	
Licensed	
ERP	
Gain	
AGL	
Azimuth	
Rack Space	
Wall Space	
List of Equipment in Shelter	
Power Draw (Amps or Watts)	
Circuit	

Please complete one form per site location requested if this involves microwave links.
Please fill out form completely. Put N/A in the box if the information does not apply.
All requests go through a technical and administrative review. Prior to the commencement of any work, the TV Board must approve the request. All installations must be inspected by the the District personnel at the customers expense. All installations must meet Motorola R56 standards for grounding and lightning protection.

For District Use Only: Reviewed by: Date: Approved by TV Board Date:
--

ELKO TELEVISION DISTRICT

Request for Site Rental Space

New Customer	
Existing Customer	
Site Name	
Customer Name	
Contact Person	
Address	
Phone Number	
Email	
Tower Space	
Type of Antenna	
Quantity	
Manufacturer	
Model	
Dimensions	
Frequency	
Licensed	
ERP	
Gain	
AGL	
Azimuth	
Rack Space	
Wall Space	
List of Equipment in Shelter	
Power Draw (Amps or Watts)	
Circuit	

Please complete one form per site location requested if this involves microwave links.

Please fill out form completely. Put N/A in the box if the information does not apply.

All requests go through a technical and administrative review. Prior to the commencement of any work, the TV Board must approve the request. All installations must be inspected by the the District personnel at the customers expense. All installations must meet Motorola R56 standards for grounding and lightning protection.

For District Use Only:

Reviewed by:

Date:

Approved by TV Board

Date:

ELKO TELEVISION DISTRICT

Request for Site Rental Space

New Customer	
Existing Customer	
Site Name	
Customer Name	
Contact Person	
Address	
Phone Number	
Email	
Tower Space	
Type of Antenna	
Quantity	
Manufacturer	
Model	
Dimensions	
Frequency	
Licensed	
ERP	
Gain	
AGL	
Azimuth	
Rack Space	
Wall Space	
List of Equipment in Shelter	
Power Draw (Amps or Watts)	
Circuit	

Please complete one form per site location requested if this involves microwave links.

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For District Use Only:

Reviewed by:

Date:

Approved by TV Board

Date:

ELKO TELEVISION DISTRICT

Request for Site Rental Space

New Customer	
Existing Customer	
Site Name	
Customer Name	
Contact Person	
Address	
Phone Number	
Email	
Tower Space	
Type of Antenna	
Quantity	
Manufacturer	
Model	
Dimensions	
Frequency	
Licensed	
ERP	
Gain	
AGL	
Azimuth	
Rack Space	
Wall Space	
List of Equipment in Shelter	
Power Draw (Amps or Watts)	
Circuit	

Please complete one form per site location requested if this involves microwave links.

Please fill out form completely. Put N/A in the box if the information does not apply.

All requests go through a technical and administrative review. Prior to the commencement of any work, the TV Board must approve the request. All installations must be inspected by the the District personnel at the customers expense. All installations must meet Motorola R56 standards for grounding and lightning protection.

For District Use Only:

Reviewed by:

Date:

Approved by TV Board

Date:

Marisa Reeves

From: Paden Hilyard -- Eagle Communications <paden@eaglecomelko.com>
Sent: Thursday, September 29, 2022 10:42 AM
To: Brady Chambers
Cc: Elko Television District Technician
Subject: Ryndon Access Request
Attachments: f_l8m9y89d0.pdf; Site Rental Request.pdf

Hi Brady,

Please fill out the attached form for the site rental request at Ryndon. The 3ft microwave dish will need to be planned for 20 feet or less AGL. We will assign locations on the tower upon receipt of the access request forms.

For Ryndon, we are currently not permitting top of tower leases. With our current tower plans, we will be able to lease up to 50 feet.

Thanks!

--

Paden Hilyard -- Communications Supervisor Eagle Communications, LLC.
180 River Street
Elko, Nevada 89801
(775) 738-4055
paden@eaglecomelko.com

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October 1, 2022

Payden Hilyard
Eagle Communications, LLC
180 River St. STE A
Elko NV 89801

Mr. Hilyard,

Anthem Broadband of Nevada, LLC formally requests access to occupy the unused conduit located on the Airport right of way located between Gate B (40°50'3.59"N: 115°47'30.34"W) and the handhole located at (40°49'46.74"N; 115°47'41.96"W) outside your current Tower located on airport property for a term of 25 years. The conduit will be used to install a 48 count micro-fiber cable from Anthem Broadband equipment East of the Airport property to the TV District building. Inside the TV District building Anthem Broadband will install an unpowered compact wall-mount fiber terminal. This will allow Anthem to access Lumen MPOE Equipment as well as provide service to the TV District and its tenants for broadband service, lit fiber transport, and other solutions as needed. (See attached map for visual reference)

Anthem acknowledges the following conditions for access to this duct:

1. Anthem Broadband will have access to the duct for the maintenance /inspection on a 24/7 basis, with prior communication with Eagle Communications.
2. The proposed infrastructure will be located within an easement to be granted by Eagle Communication under separate action.
3. Anthem Broadband will complete and be utilizing the proposed segment of conduit within 1 year.
4. Anthem Broadband will provide a 1 gbps fiber internet connection (or equivalent Anthem Broadband connection valued at \$119/month) to the TV District building for Broadband access for the term Anthem Broadband occupies the duct.
5. Anthem Broadband shall not disturb any wetlands areas as designated by any Federal, State or Local Agency during installation, inspection, or maintenance under this agreement.

Thank you,

Chad Shanks
General Manager



1.208.677.8000

www.anthembroadband.com

906 S. Oneida St, Suite 8
Rupert, ID 83350



1.208.677.8000



www.anthembroadband.com



906 S. Oneida St, Suite 8
Rupert, ID 83350

Marisa Reeves

From: Jason Libert <jasonl@horrocks.com>
Sent: Wednesday, September 7, 2022 3:13 PM
To: elkotvdistrict@gmail.com
Subject: FW: Google Earth Placemark: ELKO TV Disctrict pathway.kmz
Attachments: ELKO TV Disctrict pathway.kmz

Follow Up Flag: Follow up
Flag Status: Flagged

Paden,

Please let me know if you get this. Read below.

Thank you!

Jason Libert
Telecom Group

2162 W. Grove Parkway, Suite 400
Pleasant Grove, Utah 84062

Mobile 385-445-4768
Email JasonL@horrocks.com
Web

<https://nam02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.horrocks.com%2F&data=05%7C01%7C%7C4186d083dd8e479ef28108da911e2b38%7C962de11c8bc64fe8a4445d052eb8c6d0%7C1%7C0%7C637981856021779432%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IjEhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C∓sdata=4zITVpZrkdqoUK%2FXGzDy6mniDkt1sc1zLkyD9w3Yuwk%3D&reserved=0>

-----Original Message-----

From: Jason Libert
Sent: Wednesday, September 7, 2022 3:53 PM
To: Eaglecom.paden@frontier.com
Cc: Chad Shanks <chad@northwestdatacom.com>; Justin Wall <justin.wall@horrocks.com>; Kevin Neal <kevin@anthembb.com>
Subject: FW: Google Earth Placemark: ELKO TV Disctrict pathway.kmz

Paden,

I am working with Chad over at Anthem to get an easement for the existing conduit. He is directing me to get with you to determine what you need from us to formalize the utilization of your conduit.

Will you please review the attached Google KMZ and advise what documentation you need from me/us?

Thank you!

Jason Libert
Telecom Group

2162 W. Grove Parkway, Suite 400
Pleasant Grove, Utah 84062

Mobile 385-445-4768

Email JasonL@horrocks.com

Web

<https://nam02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.horrocks.com%2F&data=05%7C01%7C%7C4186d083dd8e479ef28108da911e2b38%7C962de11c8bc64fe8a4445d052eb8c6d0%7C1%7C0%7C637981856021779432%7CUnknown%7CTWFPbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6Ikk1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C∓sdata=4zITVpZrkdqoUK%2FXGzDy6mniDkt1sc1zLkyD9w3Yuwk%3D&reserved=0>

-----Original Message-----

From: Chad Shanks <chad@northwestdatacom.com>

Sent: Wednesday, September 7, 2022 1:27 PM

To: Jason Libert <jasonl@horrocks.com>; Justin Wall <justin.wall@horrocks.com>

Cc: Kevin Neal <kevin@Anthembb.com>

Subject: Google Earth Placemark: ELKO TV District pathway.kmz

Team

Here is the pathway of the ELKO TV District conduit pathway that we found yesterday. Let me know if there is anything else you need. Also we need to get Paden at the EAGLE Communication Board what we need emailed to him so that it can be presented to the board the 2nd week in September. His contact is below

Paden Hilyard

Eaglecom.paden@frontier.com

775-340-3791

Thank you guys for the help on this.

Chad

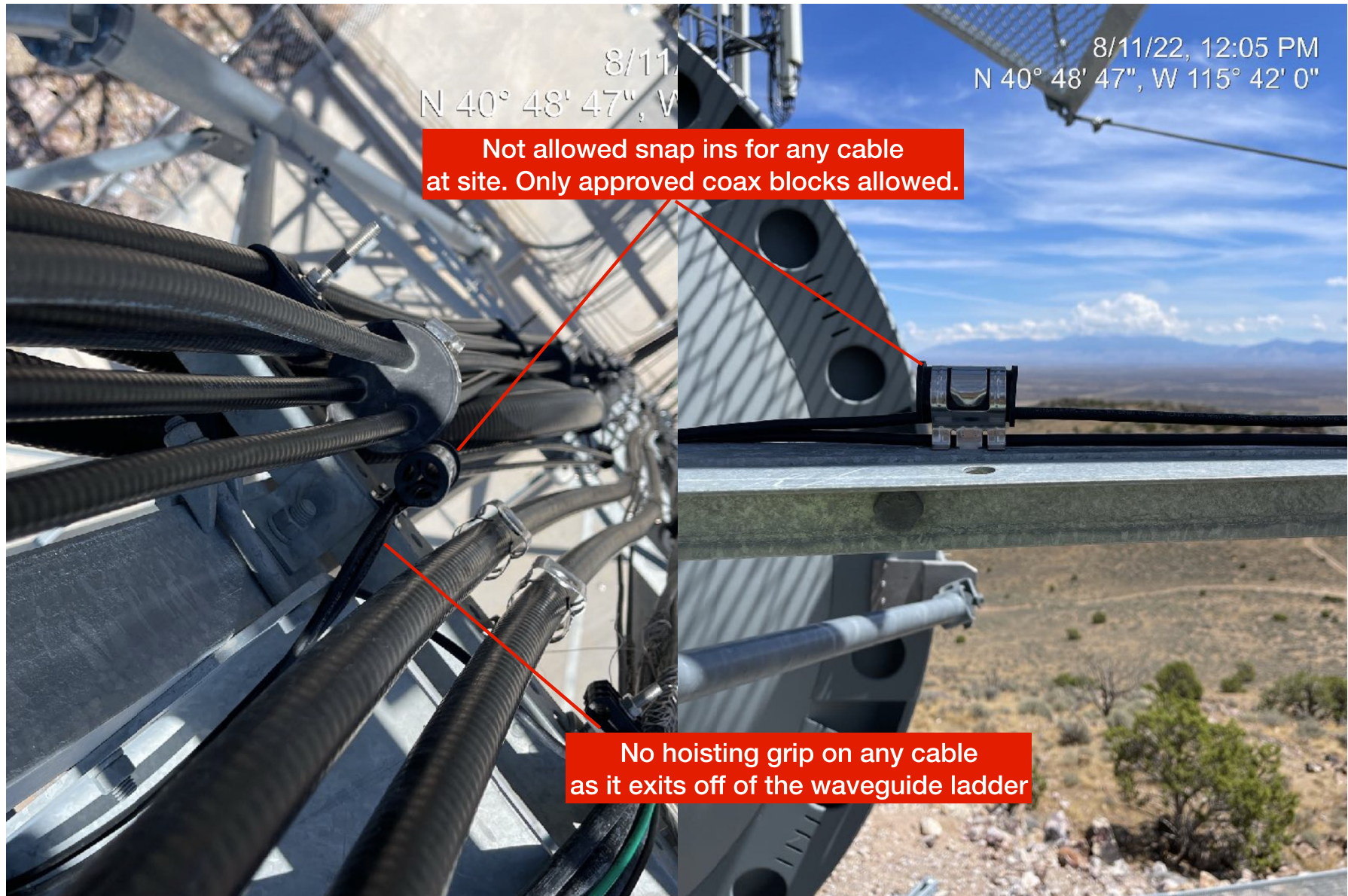


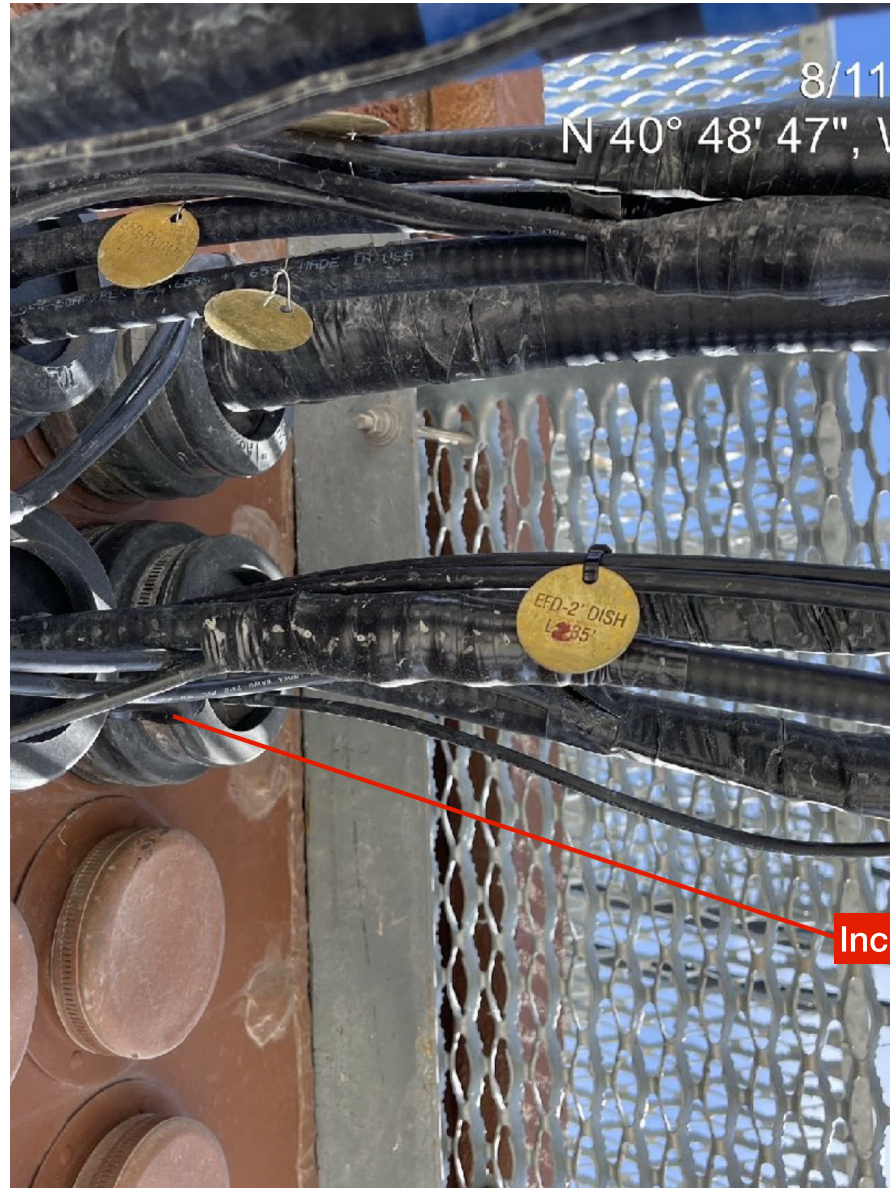
Elko Fire Department Installation Inspection at Lamoille Summit

8/29/2022

No stenciling on microwave dish,
No grounding of ODU at antennas



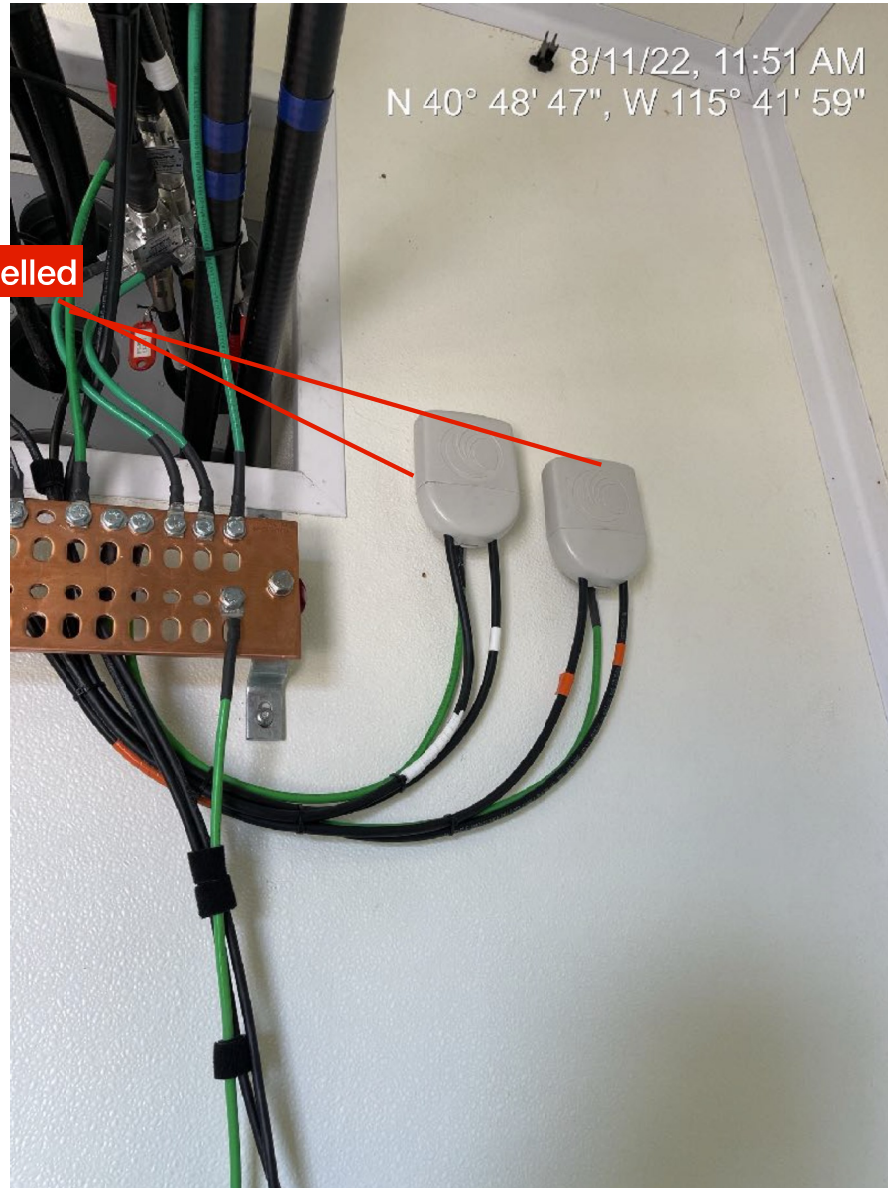


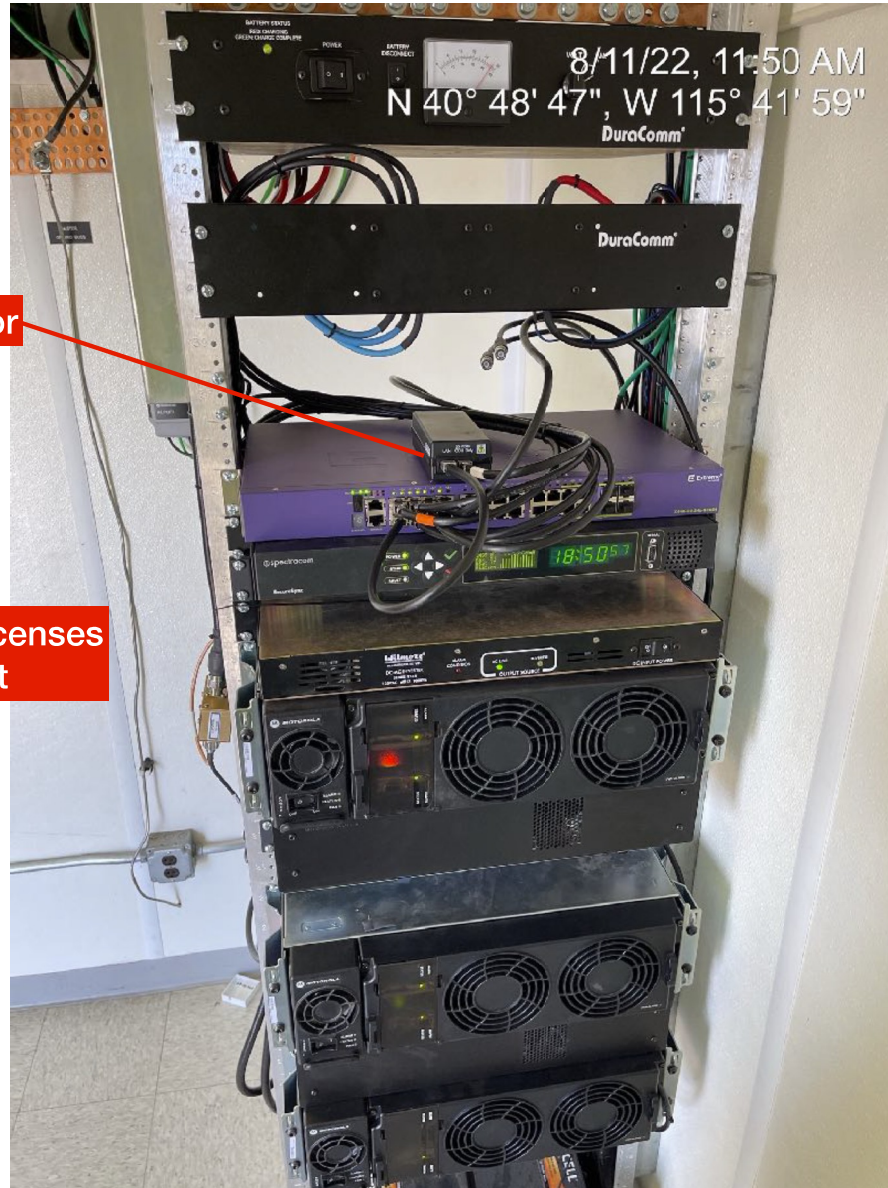


Incorrectly sealed port boot

8/11/22, 11:51 AM
N 40° 48' 47", W 115° 41' 59"

POE surge protectors not labelled





No labelling on POE injector

No FCC path data sheets, or FCC licenses
Left on site for any equipment



Elko County TV District Pricing Sheet

Complete Management has been interacting, and managing contracts, as well as FCC licenses for over 18 years with major companies such as Verizon, and AT&T.

Complete is requesting to obtain a contract with the Elko County TV District to handle the below items-

All contract needs for the District. We would be managing all tenant interactions. This would entail all new, and existing tenants. Whether this interaction would be through in-person visits, phone, and/or email conversations. All public relations, being any complaints, requests, or general information Complete would be the point of contact, and report to the board as needed.

Upon Completes service we will manage all digital, as well as paper copies of lease agreements, tower mapping, structural analysis on sites they are performed on, maintenance records, etc.

Complete will track the dates for all inspections performed for each site, as well as have the best interest of the board with knowing the extreme importance of tower loading, power consumption, equipment spacing and placement for each site knowing the availability for current, and new tenants.

All interactions upon the Elko County TV District would be charged in :15 minute increments, and would be based off of a \$95 per hour rate, and billed on a monthly basis.

Thank you for your time. It would be honored to obtain a contract to handle the day to day interactions for the District.

Sincerely from,

The Complete Management Team



(775) 934-2755



469 Idaho St. Elko, NV.



admin@CompleteManagement.net

Marisa Reeves

From: Paden Hilyard -- Eagle Communications <paden@eaglecomelko.com>
Sent: Monday, October 10, 2022 9:24 AM
To: Steve G; C Schaer; Cenni Jimenez
Cc: Dannielle Jimenez; Kent LeBarts; Leslie Lotspeich; Marisa Reeves; Misty Atkins; Rick Jimenez
Subject: Re: Ryndon

We are set to be out to the site tomorrow the 11th to see if we can track the issue down. I'm about 90% certain it's the 50 to 75 ohm adapter, but will know for sure tomorrow morning.

Thanks!

Paden Hilyard -- Communications Supervisor
Eagle Communications, LLC.
180 River Street
Elko, Nevada 89801
(775) 738-4055
paden@eaglecomelko.com

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On 10/9/2022 9:39 AM, Steve G wrote:

Has any progress been made in Ryndon?

50 to 75 ohm adapters, aging 75 ohm antennas, feedline??

I am hoping for some answers by the time of our next meeting.

Steve

On October 6, 2022 7:31:21 PM Paden Hilyard -- Eagle Communications <paden@eaglecomelko.com> wrote:

Also agreed on doing a sweep of the lines.

Paden Hilyard -- Communications Supervisor
Eagle Communications, LLC.
180 River Street
Elko, Nevada 89801
(775) 738-4055
paden@eaglecomelko.com

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On 10/4/2022 5:11 PM, C Schaer wrote:

I would also suggest that the transmission lines(and antennas)be "baselined"(DTF and VSWR) so that if we have these types of issues in the future, you have readings to compare against. Also, the baseline can be used during annual(or whenever preventative mx is done) checks to catch degradation before it becomes an "oh sh!#, it's broke" moment.

Get [Outlook for Android](#)

From: Cenni Jimenez <cjimenez@pwsonline.net>

Sent: Tuesday, October 4, 2022 3:40:25 PM

To: Paden Hilyard -- Eagle Communications <paden@eaglecomelko.com>

Cc: Charles Schaer <bluecyclone1@hotmail.com>; Dannielle Jimenez <cjimenez@pwsonline.net>; Kent LeBarts <k6in@outlook.com>; Leslie Lotspeich <dale.lotspeich@gmail.com>; Marisa Reeves <mreeves@mmc.cpa>; Misty Atkins <matkins375@gmail.com>; Rick Jimenez <rcjimenez62@gmail.com>; Steve G <nvradtec_1@frontier.com>

Subject: Re: Ryndon

Good afternoon,

I would second that motion of Padens and make it to where everything is 50 ohm. Paden, please keep us updated on the lead times for the antennas and if the board decides to go that route we will have a crew available.

On Tue, Oct 4, 2022 at 10:39 AM Paden Hilyard -- Eagle Communications <paden@eaglecomelko.com> wrote:

All,

Channel 8 is experiencing some intermittent signal issues. It seems that when the temperature drops below 60, there is something that is decoupling the RF. I'm suspecting it's got something to do with either the impedance matching section on the tower, or the antenna itself. I'd be surprised if the LDF connectors had any issues. Charles did some testing in Ryndon with a spec analyzer and was able to see that the signal disappeared when cool.

I'm working on getting there when the temperature is lower to be able to test the line to try and see for sure where the issue is.

I would suggest looking to replace all antennas with 50 ohm equivalents. This would allow us to get rid of the 75 ohm matching sections and potentially solve a lot of problems. I believe we have a total of 4 antennas that are 75 ohm inputs.

The antennas are roughly \$1k each. I'm waiting for a lead time update to the Channel 6 antenna (2.X). It might not hurt to add the other 3 to the order.

Thanks!

Paden Hilyard -- Communications Supervisor
Eagle Communications, LLC.
[180 River Street](#)
[Elko, Nevada 89801](#)

(775) 738-4055
paden@eaglecomeelko.com

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On 10/4/2022 10:31 AM, Cenni Jimenez wrote:

Good morning everyone,

I'm leaning on Paden, and a direction we can help with in this. When we installed the RF we ended up installing all new lines equipped with PPC connectors. We used the original antennas though. If needed we could sweep these lines if needed. Please let us know what we could do to help.

On Tue, Oct 4, 2022 at 10:11 AM Steve G <nvradtec_1@frontier.com> wrote:
Mornin all

This email is aimed more at Paden and Cenni.

Since our rehab of the Ryndon site, it seems our service out there has fallen on it's face, based on the number of messages and calls I have received.

Do we need to re-aim/replace antennas out there or go with omni type antennas?

Seems channels 2 and 8 are the big issues out there.

What has changed and why are we having issues we didn't have before

Steve

--

Cenni Jimenez CEO Premier Services PO Box 2576 Elko, NV. 89803 775-934-2755

--

Cenni Jimenez ^[SEP]CEO ^[SEP]Premier Services ^[SEP]PO Box 2576 ^[SEP]Elko, NV. 89803 ^[SEP]775-934-2755

Premier Wireless Services, LLC
PO Box 2576
Elko, NV 89803 US
775-934-2755
Cjimenez@pwsonline.net



Estimate

ADDRESS

Mr. Steve Guitar
Elko TV District
PO Box 456
Elko, NV 89801

ESTIMATE # 22288

DATE 08/25/2022

EXPIRATION DATE 09/09/2022

PROJECT

Lamoille-Deeth-Peavey FCC Study

DESCRIPTION	QTY	AMOUNT
To create a feasibility study, and design for the proposed microwave links from Lamoille Summit to Deeth, and Deeth to Peavey. That requires 99.999% annual uptime, and 2-way availability at 250 Mbps throughput	1	4,500.00
To research frequencies within the area for availability to be able to obtain licenses of proposed microwave design	1	2,500.00

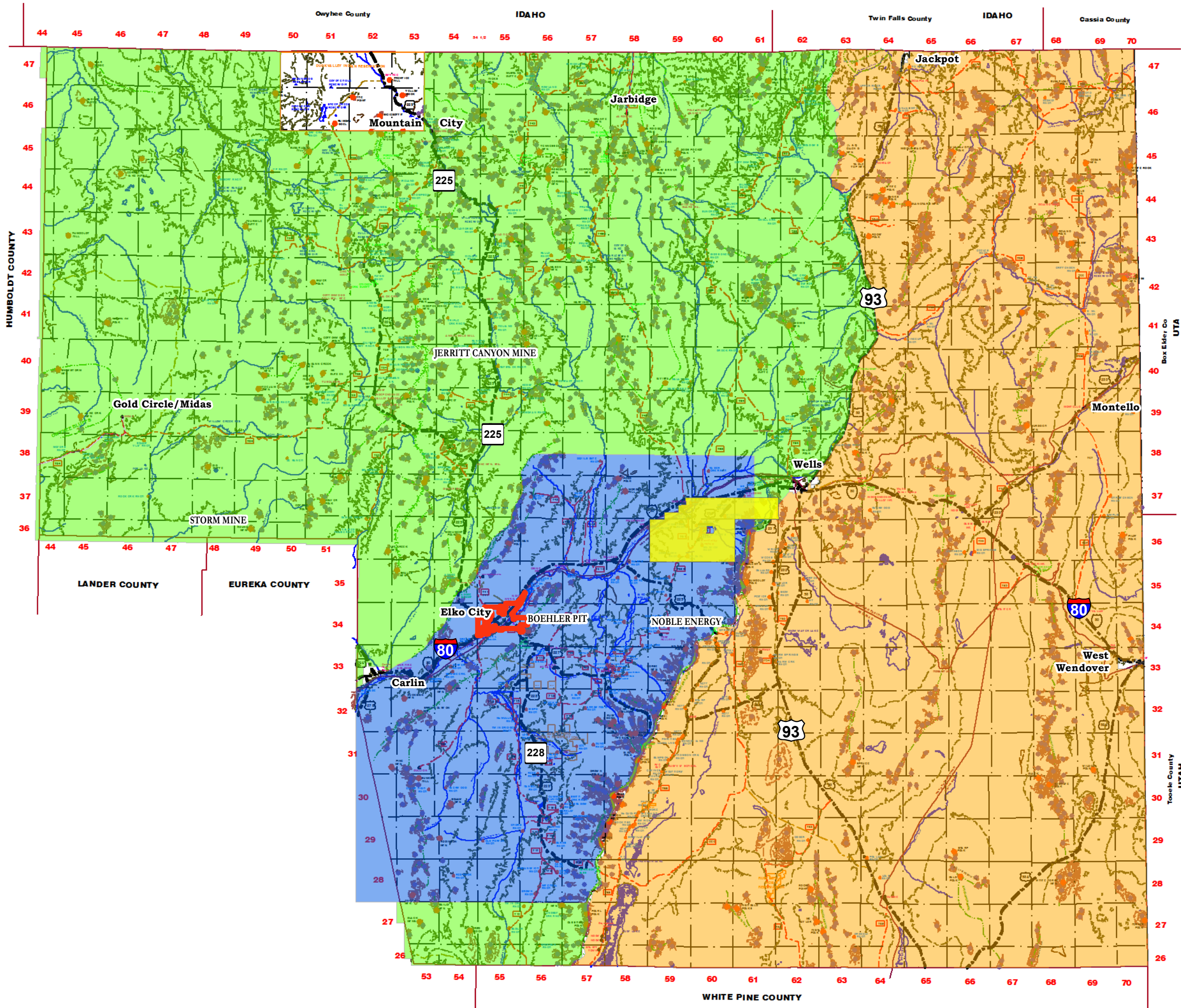
This excludes the research in finding a confirmed location for a tower as that is based only on a time and material status

TOTAL

\$7,000.00

Accepted By

Accepted Date

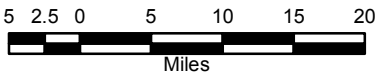


ELKO COUNTY TAX DISTRICT MAP



Tax District

- Convention Center District
1.0 If Ag Deferred
4.0 If Not Ag Deferred
- TV District
2.0 If Ag Deferred
3.0 If Not Ag Deferred
- Elko County
1.0 For All Parcels
- Starr Valley Cemetery District
24.0 If Non Ag Deferred
24.1 If Ag Deferred
- City Limit
 Carlin - 10.0
 Elko - 11.0
 Redevelopment District - 11.5
 Ag Deferred - 11.1
 Wells - 12.0
 Jackpot - 20.0
 Montello - 21.0
 Mountain City - 22.0
 West Wendover - 23.0
 Jarbidge - 1.0
 Midas/Gold Circle - 1.0

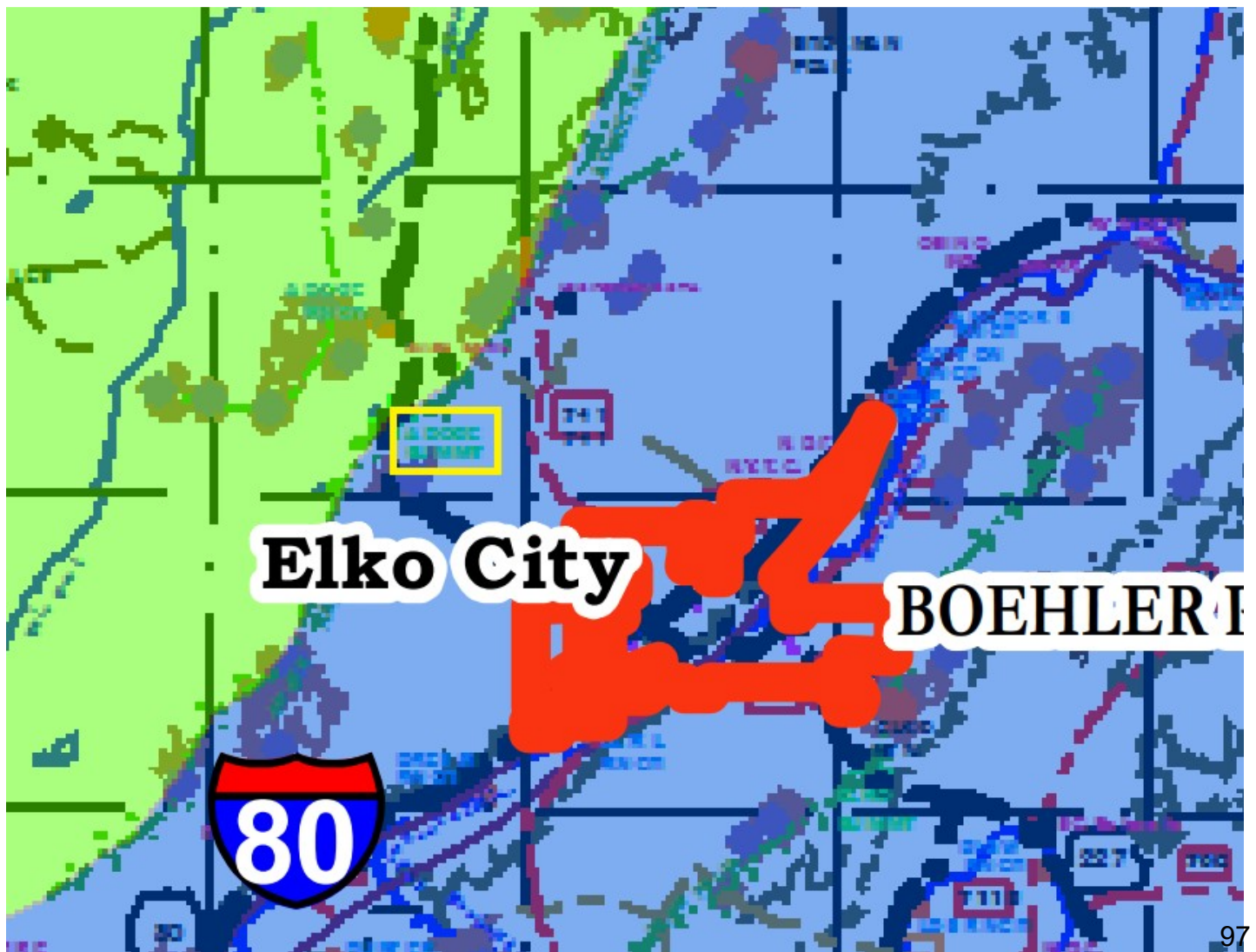
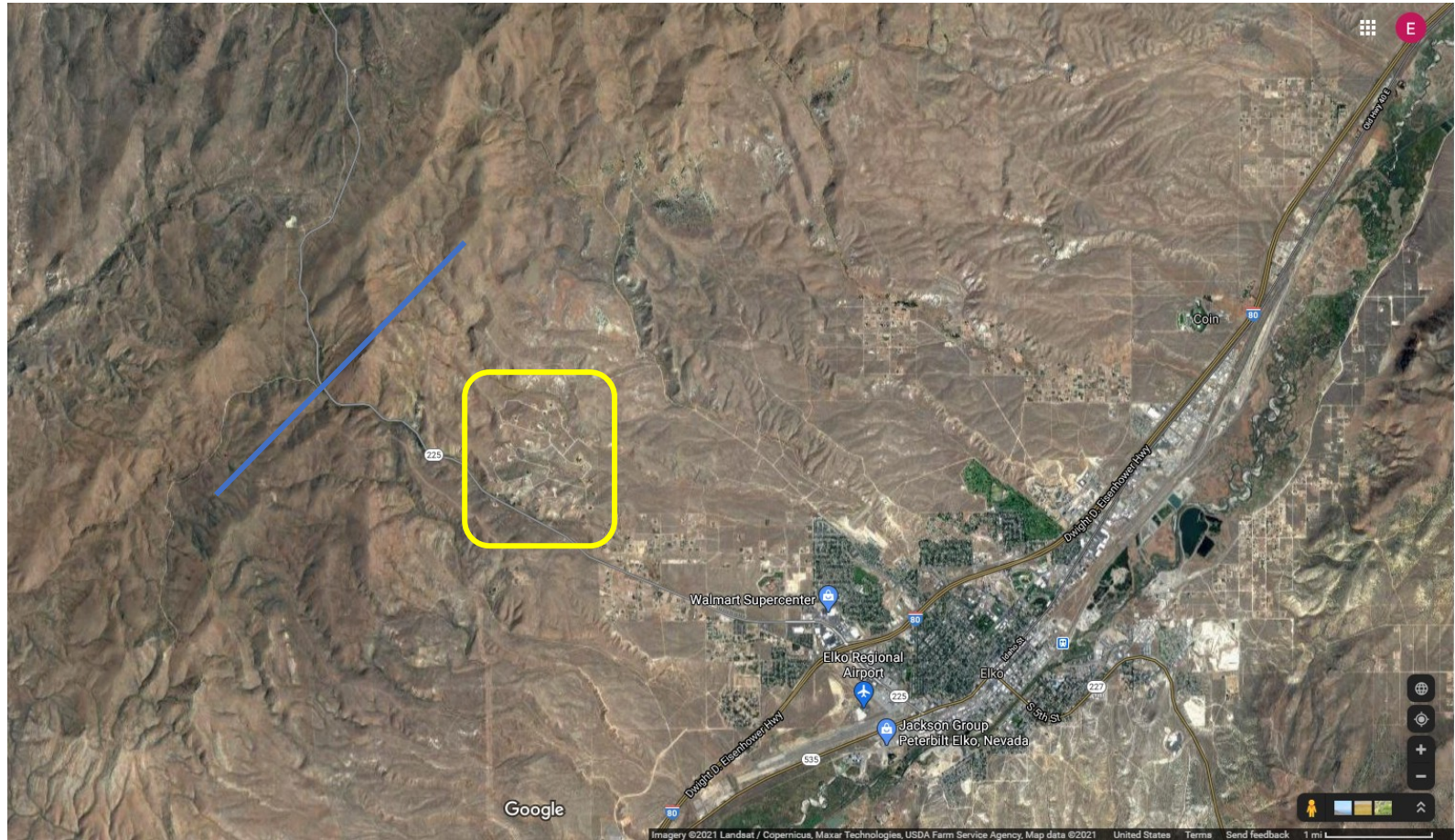


This map does NOT represent a survey. It is compiled from official records, including surveys and deeds. Recorded documents should be used for detailed legal information. Unless approved by Elko County Assessor, other uses are forbidden.

FOR ASSESSMENT USE ONLY

Background image was downloaded from the W. M. Keck Earth Sciences & Mining Research Information Center.

Last Update 06/2010 JLS
Product of GIS





Eagle Communications, LLC
180 RIVER STREET, SUITE A
ELKO, NV 89801
+1 7757384055
office@eaglecomelko.com

BILL TO
ELKO TELEVISION DISTRICT
PO Box 456
Elko, NV 89803-0456

SHIP TO
ELKO TELEVISION DISTRICT
PO Box 456
Elko, NV 89803-0456

INVOICE 4511

DATE 09/15/2022 **TERMS** Net 45

DUE DATE 10/30/2022

DATE	ACTIVITY	QTY	RATE	AMOUNT
	Monthly Maintenance Agreement:Elko TV District Monthly Maintenance	1	5,974.92	5,974.92T

Thank you for your business!

SUBTOTAL 5,974.92

Please make checks payable to:

TAX 0.00

Eagle Communications, LLC

TOTAL 5,974.92

or pay online with credit card, debit card or ACH bank transfer by
clicking the link below.

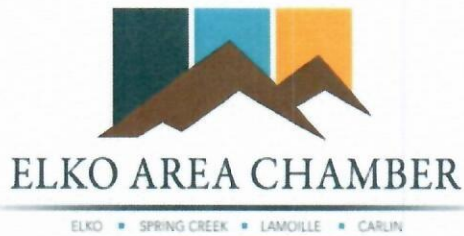
<https://app.autobooks.co/pay/eagle-communications>

Federal EIN# 27-3579177-

NVCB Lic. 0088947

A late fee of 25% will be assessed to accounts past 30 days.

TOTAL DUE \$5,974.92



1405 IDAHO STREET
ELKO NV 89801
775-738-7135

Invoice

DATE	INVOICE #
10/1/2022	28364

MEMBERSHIP DATE
10/16/2015

BILL TO
ELKO TELEVISION DISTRICT STEVEN GUITAR PO BOX 456 ELKO NV 89803

TERMS	# OF EMPLOYEES
	5

DESCRIPTION	QTY	RATE	AMOUNT
ANNUAL MEMBERSHIP DUES		140.00	140.00
NEVADA SALES TAX		6.85%	0.00
Total			\$140.00

FOR YOUR CONVENIENCE WE ACCEPT PAYMENT BY CHAMBER CHECKS, CASH, CHECK, OR CREDIT CARD.

CUSTOMER _____

AMOUNT \$ _____

CARD TYPE (CIRCLE ONE) AMERICAN EXPRESS DISCOVER MASTERCARD VISA

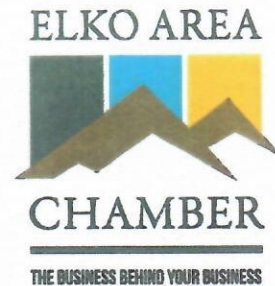
CARD ACCOUNT # _____

EXPIRATION DATE _____ SECURITY # _____

ZIP CODE FOR BILLING ADDRESS OF THE CARD _____

CARD HOLDER'S SIGNATURE _____

PLEASE DETACH AND RETURN THIS PORTION; FAX IT TO 775-738-7136; OR CALL THE CHAMBER AT 775-738-7135.



Dear Valuable Member,

The Elko Area Chamber sends a BIG THANK YOU! With members like you, we can provide a sustainable business community in Elko County as well as foster growth and positive change. Only through your support can we continue to fund important community initiatives and lead the way for business.

At your Chamber, we strive to provide what you need to succeed. Your Chamber Membership extends to all your employees, so not only can you be involved, but all your staff can be involved in the Chamber. Whether you choose to take advantage of our monthly free training seminars, attend a networking event, sponsor an event, or serve on a committee, your engagement will help you develop your business and make valuable connections.

At your Chamber, we work hard to provide real benefits for you and your employees, and we hope you will continue to join us in making Elko County a great place to live, work and play. Remember, membership in the Chamber is an investment in your community and in Elko County's future.

I would like to do a short introduction. My name is TiAnne Steward, I am the new Membership Support Coordinator. I am so fortunate to be a part of this amazing team to help our community and I look forward to meeting everyone. If there is anything you need, please don't be hesitate to get ahold of me, I would love to chat with you.

We thank you for being an integral part of that future!

Sincerely,

TiAnne Steward

Membership Support Coordinator
(775) 738-7135 office
(775) 397-4543 cell
(775) 738-7136 fax
membership@elkonevada.com



INVOICE

Humboldt County TV District

DATE: 10/3/2022
INVOICE # 0043

BILL TO: Elko TV District
P.O. Box 456
Elko, Nevada 89803
etvdsecretary@gmail.com

Description	Amount
September 2022	
Fiber Service Cost - 1st Hop	\$519.60
Maintenance and Support - Administrative Costs	\$33.34
Maintenance and Support - Remote Monitoring Costs	\$400.00
Subtotal - September 2022	\$952.94
 Grand Total - Amount Due this Invoice	 \$952.94

Make all checks payable to:

Humboldt County TV District
795 E. Fairgrounds Road
Winnemucca, Nevada 89445
775-623-6040

Questions about this billing, call us or send an email to: tsd@humboldtcountynv.gov



Elko Television District
PO Box 456
Elko, NV 89803-0456

Client ID: 33444
Date: 09/30/2022
Invoice: 1038596

For professional service rendered as follows:

Regular accounting services rendered during the month of September, 2022 to include the following: Processing of monthly bills and deposits and bank reconciliation Collection and processing mail Attendance and recording of minutes at monthly Board Meeting Various telephone & in-person conferences with Board	1,600.00
Preparation of payroll for the month of September, 2022	150.00
Client Advance - Postage	3.42
Client Advance - Photocopies	40.50
Invoice Total	<u>\$ 1,793.92</u>

Premier Wireless Services, LLC
 PO Box 2576
 Elko, NV 89803 US
 775-934-2755
 Cjimenez@pwsonline.net

Invoice



BILL TO

Mr. Steve Guitar
 Elko TV District
 PO Box 456
 Elko, NV 89801

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
22168-1i	09/26/2022	\$31,126.50	10/26/2022	Net 30	

PROJECT

Peavey Site Additions

DESCRIPTION	QTY	RATE	AMOUNT
Labor needed to install grounding along new ice bridge, and ground all new components, install new buss bar at base of tower, and exterior of building	0.50	2,925.00	1,462.50
Material needed such as #2 tinned wire, CAD welds, buss bars, etc	0.50	1,273.00	636.50
Labor needed to install new ice bridge, new waveguide ladder running up entire length of tower, and to repair existing perimeter fence around tower, graveling of tower perimeter	0.50	20,475.00	10,237.50
Material needed such as Valmont waveguide ladder, 4 post ice bridge kits, gravel, concrete, black vinyl fencing, etc.	0.50	34,080.00	17,040.00
Equipment needed for project such as backhoe, water trailer, concrete mixer, etc.	0.50	3,500.00	1,750.00

BALANCE DUE

\$31,126.50

Premier Wireless Services, LLC
PO Box 2576
Elko, NV 89803 US
775-934-2755
Cjimenez@pwsonline.net

Invoice

**BILL TO**

Mr. Steve Guitar
Elko TV District
PO Box 456
Elko, NV 89801

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
22300i	09/26/2022	\$1,400.00	10/26/2022	Net 30	

PROJECT

Peavey Permitting Fees

DESCRIPTION	QTY	RATE	AMOUNT
Building Permit Fees for Peavey Generator, and Power Install	1	1,400.00	1,400.00

BALANCE DUE

\$1,400.00



ELKO TELEVISION DISTRICT
Your Monthly Invoice

Page 1 of 3

Account Summary

New Charges Due Date	10/04/22
Billing Date	9/10/22
Account Number	775-778-0561-051295-8
PIN	8184
Previous Balance	109.53
Payments Received Thru 9/06/22	-109.53
Thank you for your payment!	
Balance Forward	.00
New Charges	112.19
Total Amount Due	\$112.19

MAKE THE WAIT GREAT

Keep customers content with their favorite channels. With DISH® TV, we make it easy:

- One choice: dozens of popular channels
- One bill: bundle with internet & voice
- One price: 2-year price guarantee

business.frontier.com/select-tv-channels

WAYS TO PAY YOUR BILL



[frontier.com/
SignUpForAutoPay](https://frontier.com/SignUpForAutoPay)



frontier.com/pay



800-801-6652



11



P.O. Box 709, South Windsor, CT 06074-9998

----- manifest line -----



ELKO TELEVISION DISTRICT
PO BOX 456
ELKO, NV 89803-0456

**You are all set with Auto Pay! To
review your account, go to
frontier.com or MyFrontier mobile
app.**

**CURRENT BILLING SUMMARY**

Local Service from 09/10/22 to 10/09/22

Qty Description	775/778-0561.0	Charge
Basic Charges		
OneVoice Nationwide		64.99
Business One Party		
OneVoice Features		
OneVoice Nationwide		
Multi-Line Federal Subscriber Line Charge		9.20
Carrier Cost Recovery Surcharge		8.99
Access Recovery Charge Multi-Line Business		3.00
FCA Long Distance - Federal USF Surcharge		9.57
Federal USF Recovery Charge		4.03
Elko County 911 Surcharge		1.00
Federal Excise Tax		.37
NV USF Surcharge		.33
NV DEAF Disabled Funding Fee		.08
Total Basic Charges		101.56
Non Basic Charges		
Multi-Line Business Federal Pre-Subscribed Line Charge		7.99
FCA Long Distance - Federal USF Surcharge		2.64
Total Non Basic Charges		10.63

TOTAL 112.19**CUSTOMER TALK**

If your bill reflects that you owe a Balance Forward, you must make a payment immediately in order to avoid collection activities. You must pay a minimum of \$112.19 by your due date to avoid disconnection of your local service. All other charges should be paid by your due date to keep your account current.

Beginning with this bill, your Multi-Line Business Federal Pre-Subscribed Line Charge has increased to \$7.99 per month, per line.





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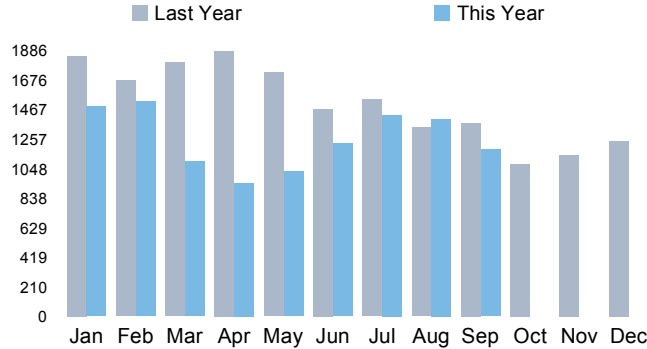
ELKO T V DISTRICT
850 1/2 ASPEN WAY
ELKO, NV 89801

Electric Usage: Small General Service

Average Daily Electric Usage

Usage	No. Days	Avg Daily kWh
This Month	29	41.0
Last Year	32	43.0
Cost Per Day This Month: \$5.44		

Usage in total electric kilowatt hours



Meter Information

If NV Energy is unable to read your meter because of circumstances beyond control, you may be billed based on estimated usage for that billing period.

Meter#	Type	Service Period	Bill Days	Previous	Current	Multiplier	Usage
BB140508808	kWh	Aug 29, 2022 to Sep 27, 2022	29	66,325	67,513	1	1,188

Charge Details

Electric Consumption	1,188.000	kWh	x	0.08768	104.16
Deferred Energy Adjustment	1,188.000	kWh	x	0.00779	9.25
Temp. Green Power Financing	1,188.000	kWh	x	0.00081	0.96
Renewable Energy Program	1,188.000	kWh	x	0.00078 CR	0.93 CR
Energy Efficiency Charge	1,188.000	kWh	x	0.00114	1.35
Natural Disaster Protection Plan	1,188.000	kWh	x	0.00060	0.71
ON Line Temporary Rider	1,188.000	kWh	x	0.00233	2.77
Basic Service Charge					32.00
Local Government Fee				5%	7.51

Total Electric Service Amount **\$157.78**

Amount Due By: **Oct 18, 2022**

\$157.78

Amount will be withdrawn from your bank account on the due date.

Account: **1000047582007926984**

Customer Number: **475820**

Premises Number: **792698**

Billing Date: Sep 30, 2022

Next Read Date: Oct 27, 2022

Account Summary

Previous Account Balance	179.97
Payment - Sep 18, 2022	179.97 CR
Electric Charges	157.78
Current Amount Due	\$157.78

Customer Service: (775) 834-4444 or (800) 962-0399 Toll Free 24/7, excluding holidays **Emergencies:** (775) 834-4100
Para servicio en español (775) 834-4700. TDD/TYY: 711 - Hearing impaired service available 24/7 days a week.



ACCOUNT NUMBER: 1000047582007926984

Customer Number: 475820

Service 850 1/2 ASPEN WAY
Address: ELKO, NV 89801

Amount Due By: **Oct 18, 2022**

\$157.78

Do Not Send Payment

The above amount will be withdrawn from your bank account on the due date.

9/8/22 1:26 PM 0 0004088 20220930 SIAX99 NOPRINT 1 oz 1 SIAX9900000* 161570 BC

ELKO T V DISTRICT
PO BOX 456
ELKO NV 89803-0456



89520



1000047582007926984 0000015778 0000015778 0 006

107



E A05 B05

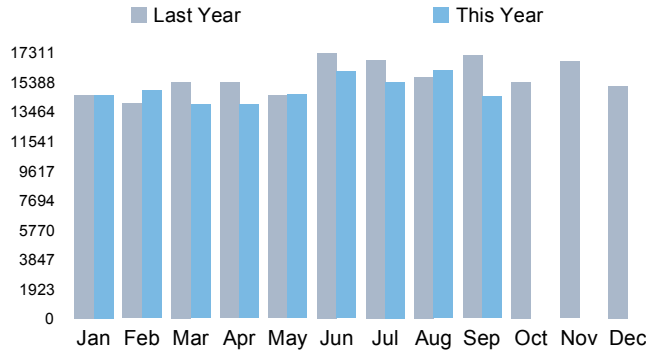
ELKO T V DISTRICT
GRINDSTONE MTN
ELKO, NV 89801

Electric Usage: Medium General Service

Average Daily Electric Usage

Usage	No. Days	Avg Daily kWh
This Month	29	499.2
Last Year	32	535.6
Cost Per Day This Month: \$47.80		

Usage in total electric kilowatt hours



Please note that when manually calculating your usage, your values may differ from your billing statement by as much as your multiplier number. This difference is due to the rounding down of your previous and current usage amounts during our billing process.

Meter Information

If NV Energy is unable to read your meter because of circumstances beyond control, you may be billed based on estimated usage for that billing period.

Meter#	Type	Service Period	Bill Days	Previous	Current	Multiplier	Usage
CC031598851	kWh	Aug 29, 2022 to Sep 27, 2022	29	13,314	13,434	120	14,478
	kW	Aug 29, 2022 to Sep 27, 2022	29	.240	.228	120	27

Charge Details

Electric Consumption	14,478.000	kWh	x	0.06711	971.62
Demand Charge	27.000	kW	x	3.50000	94.50
Facility Charge Demand	27.000	kW	x	5.10000	137.70
Deferred Energy Adjustment	14,478.000	kWh	x	0.00779	112.78
Temp. Green Power Financing	14,478.000	kWh	x	0.00081	11.73
Renewable Energy Program	14,478.000	kWh	x	0.00078 CR	11.29 CR
Energy Efficiency Charge	14,478.000	kWh	x	0.00112	16.22
Natural Disaster Protection Plan	14,478.000	kWh	x	0.00060	8.69
ON Line Temporary Rider	14,478.000	kWh	x	0.00214	30.98
Basic Service Charge					13.20

Amount Due By: Nov 10, 2022

\$2,922.61

Amount will be withdrawn from your bank account on the due date.

Account: **1000047582003551661**

Customer Number: **475820**

Premises Number: **355166**

Billing Date: Sep 30, 2022

Next Read Date: Oct 27, 2022

Account Summary

Previous Account Balance	3,005.41
Payment - Sep 9, 2022	1,468.93 CR
Electric Charges	1,386.13
Current Amount Due	\$2,922.61

Scheduled Payments:

Bank Drafts:

Automatic Draft - Oct 10, 2022	\$1,536.48 CR
Automatic Draft - Nov 10, 2022	\$1,386.13 CR

If you have any questions or concerns with scheduled payments, please do not hesitate to call us.

Do not send payment. The amount will be withdrawn from your bank account on the Select Due Date.

Customer Service: (775) 834-4444 or (800) 962-0399 Toll Free 24/7, excluding holidays **Emergencies:** (775) 834-4100

Para servicio en español (775) 834-4700. TDD/TTY: 711 - Hearing impaired service available 24/7 days a week.



ACCOUNT NUMBER: 1000047582003551661

Customer Number: 475820

Service: **GRINDSTONE MTN**
Address: **ELKO, NV 89801**

Amount Due By: Nov 10, 2022

\$2,922.61

Scheduled Payment(s) Pending!

See schedule above - the amount(s) will be charged on the specified date(s).

9/8/22 1:26 PM 0 0006656 20220930 SIAX99 NOPRINT 1 oz 1 SIAX9900000* 161570 BC

ELKO T V DISTRICT
PO BOX 456
ELKO NV 89803-0456



89520



1000047582003551661 0000292261 0000138613 0 004

108



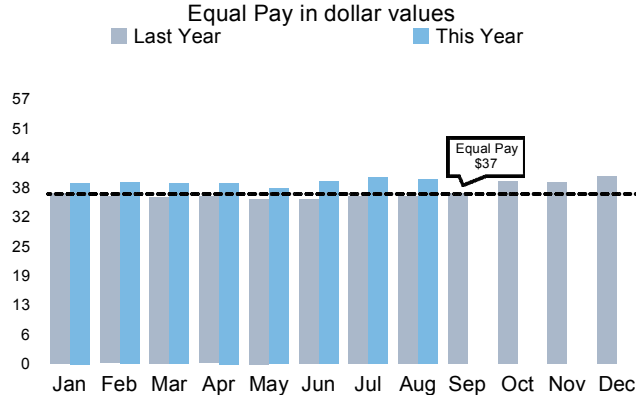
E A17 B17

ELKO T V DISTRICT
4290 PARADISE DR
ELKO, NV 89801

Equal Pay Overview

Plan Renews: JAN 2023

Actual Amounts	
Balance Forward	\$33.13
Current Charges	\$39.67
Total Account Balance	\$72.80
Equal Pay Amounts	
Balance Forward	\$0.00
Current Charges Total	\$37.00
Amount Due	\$37.00

Amount Due By: **Oct 6, 2022****\$37.00**

Amount will be withdrawn from your bank account on the due date.

Account: **1000047582003526069**Customer Number: **475820**Premises Number: **352606**

Billing Date: Sep 20, 2022

Next Read Date: Oct 14, 2022

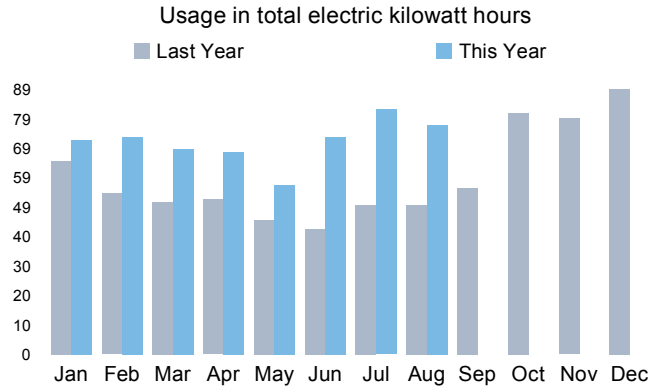
Account Summary - Equal Pay

Previous Account Balance	37.00
Payment - Sep 6, 2022	37.00 CR
Current Charges	37.00
Current Amount Due	\$37.00

Electric Usage: Small General Service

Average Daily Electric Usage

Usage	No. Days	Avg Daily kWh
This Month	30	2.6
Last Year	30	1.7
Cost Per Day This Month: \$1.32		



Meter Information

If NV Energy is unable to read your meter because of circumstances beyond control, you may be billed based on estimated usage for that billing period.

**Quarterly
Rate Change
Effective
October 1, 2022**

View details on the
following pages or visit
nvenergy.com/billinserts

Customer Service: (775) 834-4444 or (800) 962-0399 Toll Free 24/7, excluding holidays **Emergencies:** (775) 834-4100
Para servicio en español (775) 834-4700. TDD/TTY: 711 - Hearing impaired service available 24/7 days a week.



ACCOUNT NUMBER: 1000047582003526069

Customer Number: 475820

Service: **4290 PARADISE DR**
Address: **ELKO, NV 89801**

Amount Due By: **Oct 6, 2022****\$37.00**

Do Not Send Payment

The above amount will be withdrawn from
your bank account on the due date.

9/8/22 1:26 PM 0 0002818 20220920 SI7019 NOPRINT 1 oz 1 SI70190000* 161570 BC

ELKO T V DISTRICT
PO BOX 456
ELKO NV 89803-0456



89520



1000047582003526069 0000003700 0000003700 0 004

109

Questions about your bill: (775) 834-4444 or (800) 962-0399 www.nvenergy.com

Office located at: 6100 Neil Road, Reno, NV 89511.

BILLING DATE: **Sep 20, 2022**

ACCOUNT NUMBER: **1000047582003526069**

DATE DUE: **Oct 6, 2022**

AMOUNT DUE: **\$37.00**

Meter#	Type	Service Period	Bill Days	Previous	Current	Multiplier	Usage
BB132009195	kWh	Aug 16, 2022 to Sep 15, 2022	30	5,001	5,078	1	77

Charge Details

Electric Consumption	77.000	kWh	x	0.08768	6.75
Deferred Energy Adjustment	77.000	kWh	x	0.00779	0.60
Temp. Green Power Financing	77.000	kWh	x	0.00081	0.06
Renewable Energy Program	77.000	kWh	x	0.00078 CR	0.06 CR
Energy Efficiency Charge	77.000	kWh	x	0.00114	0.09
Natural Disaster Protection Plan	77.000	kWh	x	0.00060	0.05
ON Line Temporary Rider	77.000	kWh	x	0.00233	0.18
Basic Service Charge					32.00

Total Electric Service Amount **\$39.67**



**EXPANDED
SOLAR ACCESS
PROGRAM**

**APPLICATIONS ACCEPTED
Sept. 1 - Oct. 31**

nvenergy.com/esap



Customer Assistance

If you wish to dispute any bill, charge or service, NV Energy will promptly investigate the matter. However, to avoid termination of service, all charges must be paid during the investigation period. If you are not satisfied with our final decision, you may contact the Public Utilities Commission (775) 684-6101, Online at puc.nv.gov or at 1150 E. William St., Carson City, Nevada 89701.

Additional Information

Understanding Your Bill: Your bill has a lot of information and terms you may not have heard before. For definitions of all charges and taxes, please visit www.nvenergy.com/home/customer-care.

Rules and Regulations: Rules, regulations, and rate schedules are available for public inspection at nvenergy.com/rates.

Payments & Due Date: Bills for service are rendered and due monthly by the due date. Your bill becomes past due on the next meter read date, at which time a 1% late fee is applied. All payments made by check authorize NV Energy to initiate an electronic debit. Checks will not be returned and funds may be withdrawn the same day. Please make checks payable to NV Energy.

Payment Arrangements: If you have difficulty making a payment, we are here to help. Give us a call so we can review all the options available to assist you.

Interruption in Service: NV Energy may issue a termination of service notice and may require a security deposit for delinquent payments.

Good Pay Forgiveness: Life happens - payments get lost, transactions don't go through, time slips away. Whatever the reason, we understand. We forgive a missed payment one time for customers with excellent payment history, so you don't face possible service interruptions.



E A16 B16

ELKO T V DISTRICT
RYNDON DEW UNIT UTILIT
ELKO, NV 89801

Equal Pay Overview

Plan Renews: OCT 2022

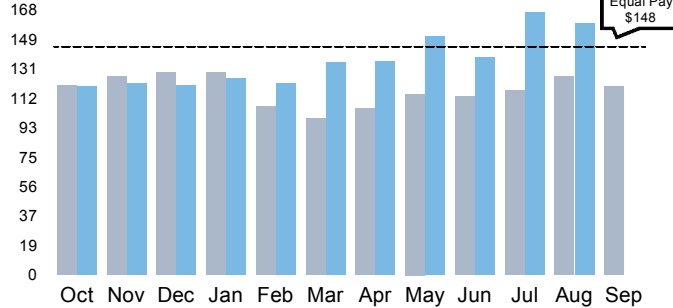
Actual Amounts

Balance Forward	\$234.94
Current Charges	\$159.45
Total Account Balance	\$394.39

Equal Pay Amounts

Balance Forward	\$0.00
Current Charges Total	\$148.00
Amount Due	\$148.00

Equal Pay in dollar values
■ Last Year ■ This Year



Amount Due By: Oct 5, 2022

\$148.00

Amount will be withdrawn from your bank account on the due date.

Account: 1000047582003556173

Customer Number: 475820

Premises Number: 355617

Billing Date: Sep 17, 2022

Next Read Date: Oct 13, 2022

Account Summary - Equal Pay

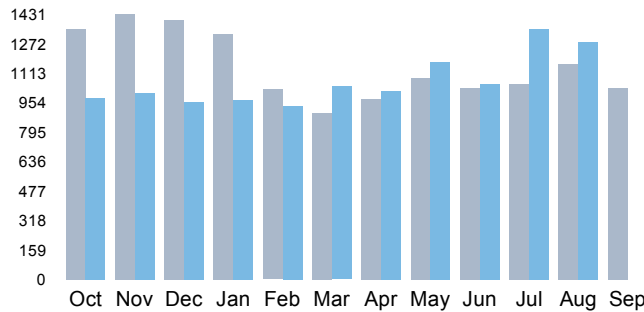
Previous Account Balance	148.00
Payment - Sep 5, 2022	148.00 CR
Current Charges	148.00
Current Amount Due	\$148.00

Electric Usage: Small General Service

Average Daily Electric Usage

Usage	No. Days	Avg Daily kWh
This Month	30	42.7
Last Year	32	36.3
Cost Per Day This Month: \$5.32		

Usage in total electric kilowatt hours
■ Last Year ■ This Year



**Quarterly
Rate Change
Effective
October 1, 2022**

View details on the
following pages or visit
nvenergy.com/billinserts

Meter Information

If NV Energy is unable to read your meter because of circumstances beyond control, you may be billed based on estimated usage for that billing period.

Customer Service: (775) 834-4444 or (800) 962-0399 Toll Free 24/7, excluding holidays **Emergencies:** (775) 834-4100
Para servicio en español (775) 834-4700. TDD/TTY: 711 - Hearing impaired service available 24/7 days a week.



ACCOUNT NUMBER: 1000047582003556173

Customer Number: 475820

Service: **RYNDON DEW UNIT UTILIT**
Address: **ELKO, NV 89801**

Amount Due By: Oct 5, 2022

\$148.00

Do Not Send Payment

The above amount will be withdrawn from your bank account on the due date.

9/8/22 1:26 PM 0 0004939 20220919 SI6K49 NOPRINT 1 oz 1 SI6K490000* 161570 BC

ELKO T V DISTRICT
PO BOX 456
ELKO NV 89803-0456



89520



1000047582003556173 0000014800 0000014800 0 006

111

Questions about your bill: (775) 834-4444 or (800) 962-0399 www.nvenergy.com

Office located at: 6100 Neil Road, Reno, NV 89511.

BILLING DATE: **Sep 17, 2022**

ACCOUNT NUMBER: **1000047582003556173**

DATE DUE: **Oct 5, 2022**

AMOUNT DUE: **\$148.00**

Meter#	Type	Service Period	Bill Days	Previous	Current	Multiplier	Usage
BB140508552	kWh	Aug 15, 2022 to Sep 14, 2022	30	46,011	47,291	1	1,280

Charge Details

Electric Consumption	1,280.000	kWh	x	0.08768	112.23
Deferred Energy Adjustment	1,280.000	kWh	x	0.00779	9.97
Temp. Green Power Financing	1,280.000	kWh	x	0.00081	1.04
Renewable Energy Program	1,280.000	kWh	x	0.00078 CR	1.00 CR
Energy Efficiency Charge	1,280.000	kWh	x	0.00114	1.46
Natural Disaster Protection Plan	1,280.000	kWh	x	0.00060	0.77
ON Line Temporary Rider	1,280.000	kWh	x	0.00233	2.98
Basic Service Charge					32.00

Total Electric Service Amount

\$159.45



**EXPANDED
SOLAR ACCESS
PROGRAM**

**APPLICATIONS ACCEPTED
Sept. 1 - Oct. 31**

nvenergy.com/esap



Customer Assistance

If you wish to dispute any bill, charge or service, NV Energy will promptly investigate the matter. However, to avoid termination of service, all charges must be paid during the investigation period. If you are not satisfied with our final decision, you may contact the Public Utilities Commission (775) 684-6101, Online at puc.nv.gov or at 1150 E. William St., Carson City, Nevada 89701.

Additional Information

Understanding Your Bill: Your bill has a lot of information and terms you may not have heard before. For definitions of all charges and taxes, please visit www.nvenergy.com/home/customer-care.

Rules and Regulations: Rules, regulations, and rate schedules are available for public inspection at nvenergy.com/rates.

Payments & Due Date: Bills for service are rendered and due monthly by the due date. Your bill becomes past due on the next meter read date, at which time a 1% late fee is applied. All payments made by check authorize NV Energy to initiate an electronic debit. Checks will not be returned and funds may be withdrawn the same day. Please make checks payable to NV Energy.

Payment Arrangements: If you have difficulty making a payment, we are here to help. Give us a call so we can review all the options available to assist you.

Interruption in Service: NV Energy may issue a termination of service notice and may require a security deposit for delinquent payments.

Good Pay Forgiveness: Life happens - payments get lost, transactions don't go through, time slips away. Whatever the reason, we understand. We forgive a missed payment one time for customers with excellent payment history, so you don't face possible service interruptions.



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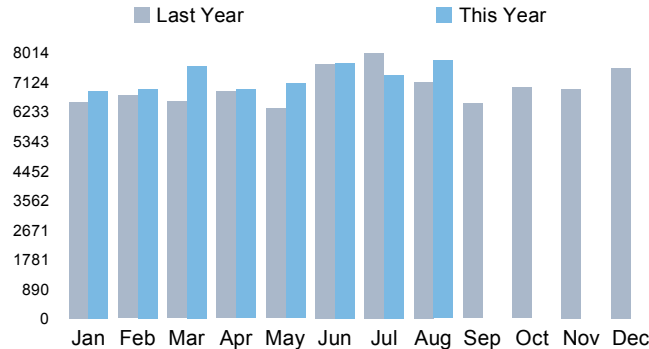
ELKO T V DISTRICT
1142 TOWER RD UNIT A
ELKO, NV 89801

Electric Usage: Small General Service

Average Daily Electric Usage

Usage	No. Days	Avg Daily kWh
This Month	30	259.5
Last Year	30	237.8
Cost Per Day This Month: \$26.91		

Usage in total electric kilowatt hours



Meter Information

If NV Energy is unable to read your meter because of circumstances beyond control, you may be billed based on estimated usage for that billing period.

Meter#	Type	Service Period	Bill Days	Previous	Current	Multiplier	Usage
CC031409214	kWh	Aug 10, 2022 to Sep 9, 2022	30	590,267	598,053	1	7,786
	kW	Aug 10, 2022 to Sep 9, 2022	30	16.860	14.108	1	14

Charge Details

Electric Consumption	7,786.000	kWh	x	0.08768	682.68
Deferred Energy Adjustment	7,786.000	kWh	x	0.00779	60.65
Temp. Green Power Financing	7,786.000	kWh	x	0.00081	6.31
Renewable Energy Program	7,786.000	kWh	x	0.00078 CR	6.07 CR
Energy Efficiency Charge	7,786.000	kWh	x	0.00114	8.88
Natural Disaster Protection Plan	7,786.000	kWh	x	0.00060	4.67
ON Line Temporary Rider	7,786.000	kWh	x	0.00233	18.14
Basic Service Charge					32.00

Total Electric Service Amount

\$807.26

Amount Due By: Sep 30, 2022

\$807.26

Amount will be withdrawn from your bank account on the due date.

Account: 1000047582006251202

Customer Number: 475820

Premises Number: 625120

Billing Date: Sep 14, 2022

Next Read Date: Oct 10, 2022

Account Summary

Previous Account Balance	764.75
Payment - Aug 30, 2022	764.75 CR
Electric Charges	807.26
Current Amount Due	\$807.26

**Quarterly
Rate Change
Effective
October 1, 2022**

View details on the
following pages or visit
nvenergy.com/billinserts

Customer Service: (775) 834-4444 or (800) 962-0399 Toll Free 24/7, excluding holidays **Emergencies:** (775) 834-4100
Para servicio en español (775) 834-4700. TDD/TTY: 711 - Hearing impaired service available 24/7 days a week.



ACCOUNT NUMBER: 1000047582006251202

Customer Number: 475820

Service: 1142 TOWER RD UNIT A
Address: ELKO, NV 89801

Amount Due By: Sep 30, 2022

\$807.26

Do Not Send Payment

The above amount will be withdrawn from your bank account on the due date.

9/8/22 1:26 PM 0 0008482 20220914 SI4XD9 NOPRINT 1 oz 1 SI4XD90000* 161570 BC

ELKO T V DISTRICT
PO BOX 456
ELKO NV 89803-0456



89520



1000047582006251202 0000080726 0000080726 0 000

113



WELLS RURAL ELECTRIC CO.

PO Box 365 WELLS, NV 89835
www.wrec.coop (775)752-3328

Your Touchstone Energy® Cooperative

After Hours Dispatch: 800-566-6696 or 775-752-3328

Hours: 9:00 a.m. - 4:00 p.m. Monday - Thursday

www.wrec.coop

BEFORE YOU DIG - CALL 811

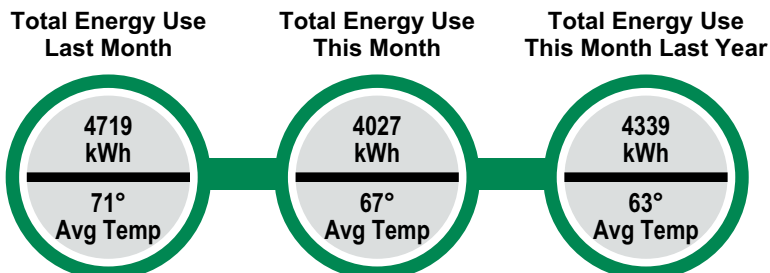
Account: 1486700
Member Name: ELKO TV DISTRICT
Service Address: BY MCI MICROWAVE 7-921

Billing Date: 10/01/2022
Current Bill Due Date: 10/20/2022

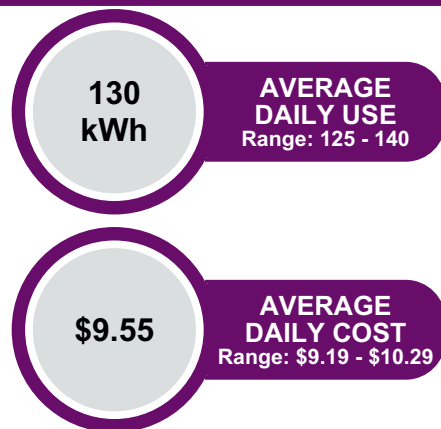


Charge details found on the back of this page.

Monthly Energy Use Comparison



Your Average Daily Use



IMPORTANT MEMBER INFORMATION

October is National Co-op Month! A time to celebrate you, our members. Visit your local WREC office the week before your bill due date and receive a trinket of our appreciation!

Current amount due will be assessed the higher of a \$20 or 1.5% late fee after the due date below.

Please detach bottom portion and return with your payment.



WELLS RURAL ELECTRIC CO.

PO Box 365 WELLS, NV 89835
www.wrec.coop (775)752-3328

Your Touchstone Energy® Cooperative

Account Number	1486700
Current Amount Due 10/20/22	\$294.00
Total Amount Due	\$294.00
Bank Account will draft on 10/20/22	\$294.00

We Accept:



160 1 AV 0.455
ELKO TV DISTRICT
PO BOX 456
ELKO NV 89803-0456

5 160
C-1

WELLS RURAL ELECTRIC COMPANY
PO BOX 365
WELLS, NV 89835-0365





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PO Box 365 WELLS, NV 89835

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www.wrec.coop

BEFORE YOU DIG - CALL 811

Account Number: 1486700

Service Address: BY MCI MICROWAVE 7-921

Account Number: 1486766

Service Address: 5711 MORROWAVE T-321

Meter #	Rate	Days	Services		Readings		Metered Usage	Meter Multiplier	Recorded Usage
			From	To	Previous	Present			
8803525	GSCOM	31	08/25/22	09/25/22	61547	65574	4,027	1	4,027

Previous Account Activity

Previous Balance\$335.00

Payment(s) - Thank You-\$335.00

Balance Forward Before Current Charges\$0.00

Current Activity

Energy Charge4,027 kWh @ 0.06096\$245.49

Power Cost Adjustment4,027 kWh @ -0.0006569-\$2.65

Basic Service Charge\$50.43

Next Dollar\$0.73

Total Current Activity\$294.00

Total Amount Due\$294.00

Usage History

Your energy use over the last 24 months

Month	Previous	Current
Sep	4339	4027
Aug	4743	4719
Jul	4814	3512
Jun	4994	4147
May	4420	4039
Apr	4578	4150
Mar	4703	3438
Feb	4037	4308
Jan	3945	3796
Dec	4224	4097
Nov	3950	4454
Oct	4663	3768

Previous

Current

For more information on your usage, visit SmartHub on your computer or mobile device.

Outage Information

For best service during an outage call 800-566-6696 and have your account number ready.

Next Dollar Foundation

To explore previous Next Dollar Foundation projects in your community, submit your own project ideas or apply for an education grant, please visit wrec.coop/community/next-dollar-foundation.

Membership Certificate

This certifies that the addressee of this bill for electric service from Wells Rural Electric Company, a Nevada non-stock, non-profit cooperative corporation and entitled to all the benefits and privileges of membership in accordance with and subject to the provisions of the Articles of Incorporation, the Bylaws, the Rules and Regulations, and the Policies, as the same are now and hereafter adopted or amended. This membership shall continue until terminated in accordance with the provisions of the Bylaws of the Company. Members are advised to keep this copy as evidence of their membership certification.

October is National Co-op Month

From booming suburbs to scenic countrysides, electric co-ops play a vital role in shaping the local communities they serve.

Other Ways to Pay Your Bill



Online

Pay your bill at wrec.coop



Phone

Call 844-425-4297 to use our automated account management system



Mobile App

Download the SmartHub app on iTunes or Google Play Store



In-Person

Find office hours & locations at wrec.coop


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Hours: 9:00 a.m. - 4:00 p.m. Monday - Thursday

www.wrec.coop

BEFORE YOU DIG - CALL 811

Account: 5104900
Member Name: ELKO TV DISTRICT
Service Address: PEQUOP SUMMIT

Billing Date: 10/01/2022
Current Bill Due Date: 10/20/2022

TOTAL AMOUNT
DUE

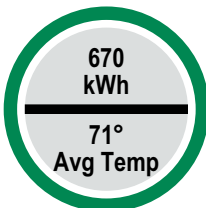
\$94.00

BANK ACCOUNT WILL
DRAFT ON 10/20/22

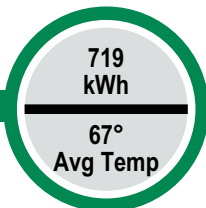
Charge details found on the back of this page.

Monthly Energy Use Comparison

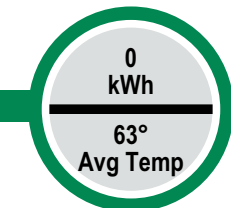
Total Energy Use
Last Month



Total Energy Use
This Month



Total Energy Use
This Month Last Year



Your Average Daily Use

23
kWh

**AVERAGE
DAILY USE**
Range: 17 - 26

\$3.04

**AVERAGE
DAILY COST**
Range: \$2.23 - \$3.41

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WELLS RURAL ELECTRIC CO.

PO Box 365 WELLS, NV 89835
www.wrec.coop (775)752-3328

Your Touchstone Energy® Cooperative

Account Number	5104900
Current Amount Due 10/20/22	\$94.00
Total Amount Due	\$94.00
Bank Account will draft on 10/20/22	\$94.00

We Accept:



ELKO TV DISTRICT
PO BOX 00456
ELKO NV 89803-0456

WELLS RURAL ELECTRIC COMPANY
PO BOX 365
WELLS, NV 89835-0365





WELLS RURAL ELECTRIC CO.

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www.wrec.coop

BEFORE YOU DIG - CALL 811

Account Number: 5104900

Service Address: PEQUOP SUMMIT

Meter #	Rate	Days	Services		Readings		Metered Usage	Meter Multiplier	Recorded Usage
			From	To	Previous	Present			
7200778	GSCOM	31	08/25/22	09/25/22	3719	4438	719	1	719

Previous Account Activity

Previous Balance \$91.00

Payment(s) - Thank You -\$91.00

Balance Forward Before Current Charges \$0.00

Current Activity

Energy Charge 719 kWh @ 0.06096 \$43.83

Power Cost Adjustment 719 kWh @ -0.0006569 -\$0.47

Basic Service Charge \$50.43

Next Dollar \$0.21

Total Current Activity \$94.00

Total Amount Due \$94.00

Usage History
Your energy use over the last 24 months

Month	Previous	Current
Sep	719	719
Aug	508	670
Jul	558	502
Jun	640	523
May	656	631
Apr	1071	738
Mar	1856	1253
Feb	1419	1068
Jan	2125	447
Dec	1448	1448
Nov	1315	2491
Oct	1125	0

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In-Person

Find office hours & locations at wrec.coop

WHITE CLOUD NETWORKS - NEVADA

663 MAIN AVE E NEVADA PAYMENT
CENTER
TWIN FALLS, ID 83301



**WHITE CLOUD
NETWORKS**
Wireless High-Speed Internet

Statement #

13599

Service Period

Sep 8 2022 to Oct 7 2022

Statement Date

Sep 8 2022

Due Date

Sep 28 2022

Account Number

14

Charges	\$4,361.00
Taxes / Fees	\$0.00
Credits	(\$0.00)
Payments Applied	(\$0.00)
Previous Balance	\$0.00
Total due by Sep 28 2022	\$4,361.00



A late fee of \$5.00 will be charged on past due invoices.

Please make checks payable to White Cloud Networks - Nevada



**WHITE CLOUD
NETWORKS**
Wireless High-Speed Internet

Amount Due

\$4,361.00

Amount Enclosed

Auto pay scheduled for Sep 11 2022

WHITE CLOUD NETWORKS - NEVADA

663 MAIN AVE E NEVADA PAYMENT
CENTER
TWIN FALLS, ID 83301

14

ELKO TV DISTRICT

PO BOX 456
ELKO, NV

(775) 299-5440

<https://www.whitecloudnetworks.com>

Elko TV District (14) 180 River Street Suite A, Elko, NV 89801

Charges

100 Mb Direct Link 2175 W 1700 S Salt Lake City, UT 84104 Channel Four x 1	\$1,261.00
Additional Service at Airport for Salt Lake Channels x 1	\$200.00
Direct Link 200 Mbps x 1	\$2,700.00
Service At Airport x 1	\$200.00

Unapplied Payments

Prior Unpaid Invoices

Marisa Reeves

From: White Cloud Networks - Nevada <Billing@whitecloudnetworksnv.com>
Sent: Sunday, September 11, 2022 12:01 AM
To: Marisa Reeves
Subject: Payment to White Cloud Networks - Nevada successfully processed.



Payment to White Cloud Networks - Nevada successfully processed.

Hello Marisa Reeves,

A payment for \$4,361.00 has been applied to your account. Thank you for your payment!

White Cloud Networks - Nevada
<https://www.whitecloudnetworks.com>
(775) 299-5440