

KCHU new AM site estimates

Station will use existing AM transmitter already in hand; move to new site

Broadcast Shelter: estimate for container (\$6K) plus mods which cost more than container

shelter is converted and modified 20 foot container, cost of shelter plus mods: individual parts

tower height is ~180'

items	quant	make	model
shelter	1	CS of AK	custom
broadcast racks	2	Panduit	R4P
in line watt meter	1	Bird	43
dummy load	1	Altronics	6401
transfer switch	1	Tunwall	TRC1
remote control	1	Burk	ARCPlus
STL antennas	2	Scala	PR-950
Wireless IP link	2	Ubiquity	airfiber24
audio codec	2	comrex	briclink3
UPS	2	Cyber	2200
EAS Analog Relay	1	BTOOLS	model 1
EAS Monitor Reciever	1	Inovonics	Triple Tuner
Over Air Monitor	1	Inovonics	INOmini AM 637-AM
Generator	1	Generac	Evolution
Mounting Hardware	bulk	various	various
180 ft Radio Tower	1	Rohn	55G110R180
EQUIPMENT SUBTOTAL			

broadcast electronics install	5 days
broadcast install expenses	1
Electrical Services	5 days
Site Prep	7 days
Site Equipment Relocation	7 days
Tower Erection	3 days

EQUIPMENT AND INSTALL TOTAL ESTIMATE

ontainer
ulation, electircal, HVAC, framing, etc.

desc	cost per	cost tot
20' container w/ mods	\$ 40,000.00	\$ 40,000.00
free standing rack, 45RU, 30" deep	\$ 1,850.00	\$ 3,700.00
thru line meter with elements	\$ 1,000.00	\$ 1,000.00
1 KW dummy load	\$ 1,864.00	\$ 1,864.00
coax switch w/ controller; 4 port	\$ 4,638.00	\$ 4,638.00
site remote management system w/ snmp	\$ 5,035.00	\$ 5,035.00
half gain parabolic 940-950 MHz	\$ 2,500.00	\$ 5,000.00
ethernet link	\$ 1,500.00	\$ 3,000.00
backup audio transport over ip	\$ 1,805.00	\$ 3,610.00
rack mount UPS, pure sinewave	\$ 2,000.00	\$ 4,000.00
Analog EAS Relay with Ethernet	\$ 659.00	\$ 659.00
EAS translator	\$ 2,300.00	\$ 2,300.00
Signal Monitor	\$ 1,100.00	\$ 1,100.00
22KW generator	\$ 12,500.00	\$ 12,500.00
Hardware for safe mounting of equipment	\$ 1,700.00	\$ 1,700.00
180ft AM tower with wind/earthquake rating	\$27,103	\$ 27,103.00
		\$ 117,209.00
engineer on site	\$ 1,500.00	\$ 7,500.00
air and ground transp, per diem	\$ 5,000.00	\$ 5,000.00
onsite installation and inspection	\$14,150	\$ 14,150.00
Site preperation for tower	\$20,000	\$ 20,000.00
Relocation of useful materials from old site	\$22,326	\$ 22,326.00
Erection of tower and final installation	\$15,000	\$ 15,000.00
		\$ 201,185.00

Container Specialties of Alaska (in Anchorage: guesstimate)

Grainger

accurate power measurement

Plustouch, autopilot, jet, plusx command and input units, snmp mgr

pair of antennas for STL send/receive

5 GHz unlicensed IP link

audio transport over IP: backup to STL

standard electronics UPS; not for transmitter

Emergency Alert panel

Emergency Alert translator

generator, controller, freight and installation (LP fuel)

ESTIMATE

Van Craft
13036 Rosser Drive, Eagle River, AK 99577,
UNITED STATES
vancraft@gci.net

Estimate No#: MV-EST0007-TR AM TX relo

Estimate Date: Jul 24, 2025

\$22,326.00

ESTIMATED AMOUNT

BILL TO

Terminal Radio-KCHU
James Devens
AL, UNITED STATES
operations@kchu.org
Phone: +1 907-255-5248

SHIP TO

AL, UNITED STATES

#	ITEMS & DESCRIPTION	QTY/HRS	PRICE	AMOUNT(\$)
1	1 5/8 transmission line 120ft. of 1 5/8 inch transmission line to extend the line to the relocated building. Shipping not included.	120	\$21.20	\$2,544.00
2	1 5/8 connectors Two connectors	2	\$428.00	\$856.00
3	On Site support Not to exceed amount for removing and reinstalling equipment.	7	\$1,500.00	\$10,500.00
4	M&E Meals and expenses while on site	5	\$250.00	\$1,250.00
5	Cable raceway 120ft. transmission line raceway. Does not include posts every that have to be set every 10ft.	12	\$536.00	\$6,432.00
6	STL receiver line 120 ft of line to extend the STL line to the relocated building. Shipping not included.	120	\$6.20	\$744.00
			Subtotal	\$22,326.00
			TOTAL	\$22,326.00 USD

NOTES TO CUSTOMER

Frontier Electrical Services

PO Box 3030
Valdez, AK 99686
907-835-4810

PROJECT BID

Date	Bid #
------	-------

8/11/2025

523

Name / Address

KCHU Public Radio

Description	Qty	Cost	Total
Bid includes wiring new radio station building with a 25kw propane generator. Bid includes wiring building, hooking up equipment, installing new outlets and lights, and installing new 25kw propane generator with an automatic transfer switch.	1	54,150.00	54,150.00
Total			\$54,150.00

Signature

...





New Tower Permitting/Approval Process

Message 1 of 43



From Kate Huber
To operations@kchru.org
Cc Nathan Duval
Date Tue 18:33



Hi Jimmy,

Good to talk with you and start the process with a pre-application meeting. As discussed, we've identified multiple locations are that are feasible for a new AM Radio tower. All the sites are owned by the city, so will require a multi-part approval process.

Conditional Use Permit - all communications towers require a conditional use permit approval from the Planning & Zoning Commission. The general process for CUPs is set forth in [VMC 17.12.090](#). The process includes a required public notice and hearing, as well as decision by P&Z. Additionally, applications for towers exceeding 35ft must cover the requirements set for in the specific use standards ([VMC 17.80.190](#)).

Because the sites are COV land you will also need to apply for a lease of city land. This process requires a recommendation by the Planning & Zoning Commission and decision by City Council via resolution.

It's great that you are working with an engineer. Please don't hesitate to reach out with any questions or if you'd like us to hop on a call with your engineer to discuss the CUP application.

Take care,
Kate



Kate Huber
Director, Community Development

[907-834-3401](tel:907-834-3401) [907-202-0599](tel:907-202-0599)

KHuber@ValdezAK.Gov ValdezAK.gov

212.Chenega.Ave.Valdez.AK.99686-0307



Rohn 55G110R180 55G Complete Tower

\$27,103.00

180-ft guyed tower kit rated for 110 MPH wind, supports 22 SF load, includes 55G sections, solid-rod bracing, built for telecom, broadcast, and wireless links

AVAILABILITY: SPECIAL ORDER, PLEASE ALLOW 2-4 WEEKS FOR DELIVERY

SKU: 55G110R180

Quantity: 1 [ADD TO CART](#) [Heart](#) [List](#)

Features:

- Designed for 180-foot total height using modular 55G tower sections
- Withstands wind gusts up to 110 MPH with a 22 SF antenna load
- Heavy-duty tubular leg and solid-rod bracing construction
- Guyed tower structure ensures optimal stability with lower base footprint
- Built on 17" equilateral triangle geometry for rigidity
- Ideal for broadcast, telecom, SCADA, and long-range wireless links
- Ships as a complete kit (less foundation and guy wire anchors)

[Facebook](#) [Twitter](#) [LinkedIn](#) [Email](#)

Flexiva - Transmitter Home Page x (38855) Roundcube Webmail :: C x Grantee Portal x Customers - kchu.org - Stripe x

Revenue Online - St... 770AM KCHU - AR... Bluehost Account 'EAS-KCHU' 192.16... kchu770am@gmail.com Home - kchu.org ... CPB Grantee's Main... Other bookmarks

kchu.org

Home Balances Transactions Customers Product catalog

Shortcuts Payments analytics Invoices Billing overview Payment Links Reports

Products Payments Billing Reporting ... More

Developers

Q. Search

Customers

All Top customers First-time customers Repeat customers Recent customers High refunds High disputes R > Email Card Created date Type More filters

Copy Export Analyze Edit columns

Name Email Default payment method Created Total spend Payments Refunds Dispute losses Last paym

Area Covered due to Private Personally Identifiable Information and Banking data

390 results

Oct 28, 1: ...
Oct 20, 9: ...
Oct 18, 1: ...
Oct 17, 1: ...
Oct 10, 2: ...
Oct 8, 4:0 ...
Oct 3, 8:4 ...
Oct 2, 10: ...
Oct 1, 12: ...
Oct 1, 12: ...
Sep 30, 2: ...
Sep 28, 9: ...
...
Sep 18, 6: ...
Sep 17, 8: ...
Oct 14, 3: ...
Sep 12, 4: ...
Sep 9, 1:4 ...
Aug 28, 1: ...

Links > 4:51 PM 10/29/2025

Demand Deposit 31422850 - TERMINAL RADIO INC

	Relationship	Date of Birth	Phone Number	Tax Identification
<input checked="" type="checkbox"/> TERMINAL RADIO INC	<input checked="" type="checkbox"/> Owner/Signer		*****	EIN *****
<input checked="" type="checkbox"/> KCHU KXKM KXGA BUILDING ACCOUNT ACCT PO BOX 467 VALDEZ AK 99686-0467	<input checked="" type="checkbox"/> Owner/Signer		*****	

Additional Relationships

Tax Name: TERMINAL RADIO INC

Memo Balances

Current Ledger Balance:	\$18,561.25	Current Reg CC Cash Available:	\$18,561.25
Plus Presentments:	\$10,000.00	Plus Presentments:	\$10,000.00
Memo Ledger Balance:	\$28,561.25	Memo Available Balance:	\$28,561.25

Presentments

Description	Memopost	Expiration	Ledger Adjustment	Available Adjustment
<input checked="" type="checkbox"/> Source: 452512 SECURE ON-LINE TXFR FROM BUSINESS CHECKING 31422835 10/29/25 12:01	Oct 29, 2025 12:01 p.m.	Oct 29, 2025	\$10,000.00	\$10,000.00

Current & Previous Cycle

Description	Debits	Credits	Date	Balance
Balance Forward:			Aug 29, 2025	\$14,961.25
****Statement Produced****			Sep 30, 2025	\$14,961.25
Deposit #16368726		\$3,600.00	Oct 14, 2025	\$18,561.25
Balance This Statement:			Oct 28, 2025	\$18,561.25

Tower Project funds

Donated direct from Valdez residents.



An informed citizenry is at the heart of a dynamic democracy.
Thomas Jefferson

KCHU::Community Public Radio

1.5K followers • 91 following

LISTENER SUPPORTED PUBLIC RADIO for
Prince William Sound & the Copper River
Valley.

 Follow

 Contact us

...

Posts

About

Photos

More 

Details

 Page · Nonprofit organization

 kchu.org

 100% recommend (7 Reviews)



9:55

35



Valdez Senior Center, Inc.

221 followers • 34 following

To serve as community support for the seniors of Valdez, while enhancing their quality of life through care and services

[Follow](#)[Message](#)

...

[Posts](#)[About](#)[Photos](#)[More](#) ▾

Details

Page · Nonprofit organization

[valdezseniorcenter.org](#)

[Not yet rated \(1 Review\)](#)





Fraternal Order of Eagles Valdez Aerie 1971

204 followers • 6 following

We are a private social club that raises funds for our community and those in need.

Following ▾

...

Posts

About

Photos

More ▾

Details

Page · Nonprofit organization

Not yet rated (0 Reviews)

... See Fraternal's About Info





Valdez Elks Lodge #2537

775 followers • 23 following

Valdez Elks Lodge # 2537 is located in beautiful downtown Valdez, Alaska.

[Follow](#)[Message](#)

...

[Posts](#)[About](#)[Photos](#)[More](#) ▾

Details

Page · Nonprofit organization

[elks.org/lodges/ContactUs.cfm?
LodgeNumber=2537](http://elks.org/lodges/ContactUs.cfm?LodgeNumber=2537)

100% recommend (7 Reviews)





Valdez Food Bank

914 followers • 65 following

Open every other Sunday 1pm - 3pm

Message this page or call 907-835-3663 to reach the food bank.

Following ▾

Message

...

Posts

About

Photos

More ▾

Details

Page · Social Service

valdezfoodbank.org

Not yet rated (1 Review)



9:52

36



Valdez Adventure Alliance

964 followers • 221 following

Mission: The Valdez Adventure Alliance seeks to improve the quality of life for residents and visitors of all ages through outdoor access, resources, education, and events.

 Following ▾

 Learn more

...

Posts

About

Photos

More ▾

Details

 Page · Nonprofit organization

 valdezadventurealliance.com





Advocates for Victims of Violence

793 followers • 14 following

Advocates for Victims of Violence is committed to ending Domestic Violence and Sexual Assault in Prince William Sound and the Copper River Valley.

Following ▾

Contact us

...

Posts

About

Photos

More ▾

Details

Page · Nonprofit organization

avalaska.org





Valdez Consortium Library

892 followers • 50 following

The Valdez Consortium Library is a combined public and academic library serving the Valdez community and Prince William Sound College.

We acknowledge that we live and work on Alutiiq / Sugpiaq land.

[Follow](#)[Message](#)

...

[Posts](#)[About](#)[Photos](#)[More](#) ▾

Details

 **Page** · Library



9:52

36



Valdez Museum and Historical Archive

1.5K likes • 1.7K followers



Experience the heritage and culture of Valdez, the Copper River Basin, and Prince William Sound, Alaska. Learn about Alaskan First People's, 1890s Gold Rush, Pioneering Bush Pilots, the 1964 Great Alaskan Earthquake, and 1989 Exxon Valdez Oil Spill.

Liked

Shop now

...

Posts

About

Photos

More

Details





Valdez Avalanche Center

2.9K followers • 168 following

The VAC backcountry avalanche forecast for Valdez, Thompson Pass, and the surrounding area is made possible by our dedicated staff and volunteers. VAC provides avalanche education in Valdez and the Copper River Basin. Become a member of VAC today.

 Following ▾

 Message

...

Posts

About

Photos

More ▾

Details

 Page · Public & Government Service



9:54

35



PWSC - Prince William Sound College

2.9K followers • 233 following

Prince William Sound College (PWSC) is a two-year accredited college in Valdez, Alaska, where learning goes beyond four walls into Alaska's stunning environment. PWSC is a community campus of the University of Alaska Anchorage.

Following ▾

Learn more

...

Posts

About

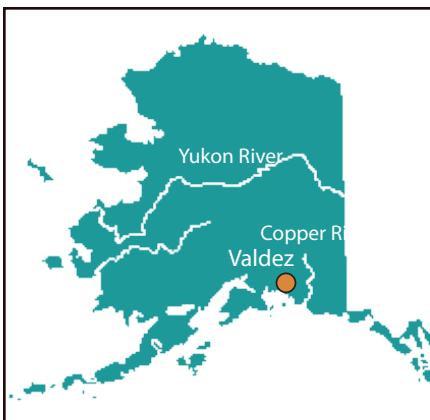
Photos

More ▾

Details

Page · College & university

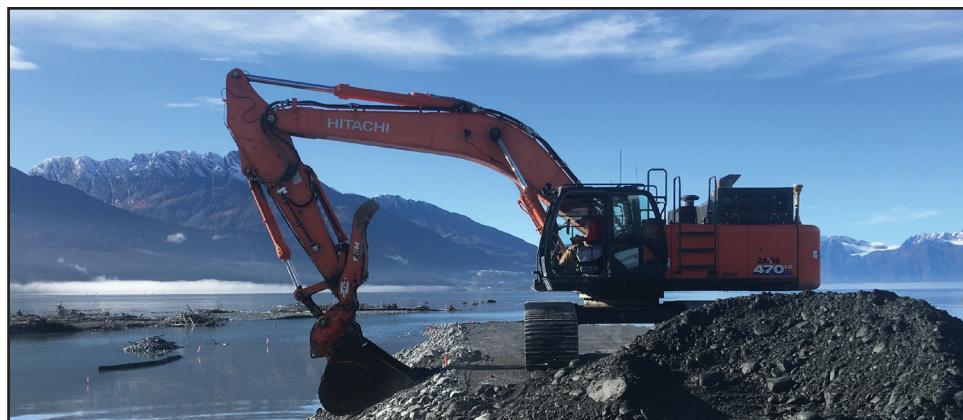




Valdez-Cordova Area

The City of Valdez has a population of approximately 4,000 people. It is located on a deep water port of Prince William Sound. The Richardson Highway, which is open year round, ends in Valdez and connects the town to the rest of the Alaska road system.

The average snowfall is 300 inches annually. Nearby, in the mountains, it averages 600 to 900 inches. The area is home to numerous glaciers and glacier streams.



EWP at the End of the Road

The City of Valdez needed to protect the Prince William Sound regional emergency broadcast tower from falling into the Valdez Glacier Stream. The Natural Resources Conservation Service, through the Emergency Watershed Protection (EWP) program, had a solution: a training dike.

A jökulhlaup, a sudden glacial-lake outburst flood, forcibly shifted the course of the Valdez Glacier Stream channel, causing severe erosion on the streambank adjacent to the tower. To secure the streambank, a 2,100 feet-long training dike was built with 17,500 cubic yards of earthfill and 15,600 cubic yards of riprap.

Cultural resources were closely monitored throughout the project because construction took place near the original Valdez town site. The old town was destroyed by a tsunami generated by the 1964 Good Friday earthquake.

Contract cost: \$1.3 million (locally awarded contract)

Photos: Riprap placed along the training dike of the Valdez Glacier Stream.

