

Nothing leaves Cordova by wire.

The amount landed August 11th.
\$725,000.

JULY 22ND SELECTED. NO
AMOUNT PUBLISHED.

AUGUST 11TH \$725,000.
AURORA-AI.



SURFACE = DISTANCE TO NEAREST LINE AT 69 kV OR ABOVE. CONTOUR INTERVAL 25 km. DERIVED.

The nearest line is 56 km away.



"Cordova is not connected to the State Highway System, and CEC is not connected by transmission line to other communities."

CORDOVA ELECTRIC COOPERATIVE, ITS OWN ABOUT PAGE C29

FRAME 300 KM

02 / 09

AGGREGATE. NEAREST LINE AT 69 kV OR ABOVE IN THE STATE TRANSMISSION LAYER. COMPUTED FROM 65 COMMITTED SEGMENTS. NOT A SOURCED FIGURE.

A fifth of it goes nowhere.

Koplin estimates 20 to 25 percent of Cordova's hydropower goes unused every year.

That is a share of hydropower, not of total demand, and it is an estimate rather than a metered figure.

In 2025 hydropower covered more than 83 percent of the town's electrical demand. (C19)

THE UNUSED FRACTION C20

LOWER BOUND 20

UPPER BOUND 25

FRAME 60 KM

03 / 09



"The server was literally 20 feet from the generators. It's designed as a super-energy-efficient deployment."

CLAY KOPLIN, CEO, CORDOVA ELECTRIC COOPERATIVE C22, C23

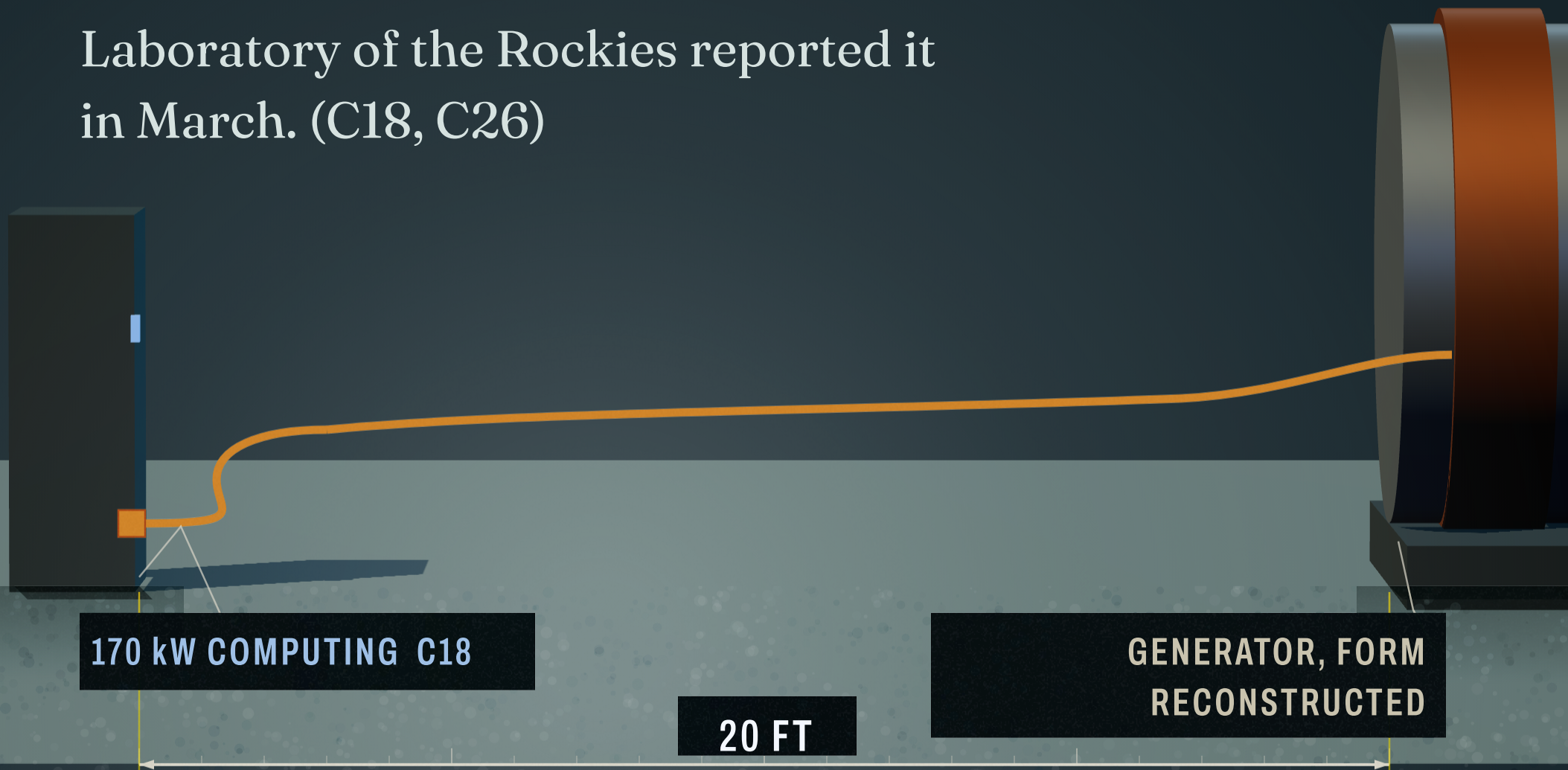
20 FT

FRAME 60 KM, OBLIQUE

04 / 09

Twenty feet from the turbine.

Greensparc put 170 kilowatts of computing inside the Humpback Creek run of river plant, several miles north of town. The National Laboratory of the Rockies reported it in March. (C18, C26)



170 kW COMPUTING C18

20 FT

GENERATOR, FORM
RECONSTRUCTED

1 FT = 42 PX

05 / 09

SOURCED 4 / DRAWN 6. THE ROOM IS RECONSTRUCTED FROM MEASURED QUANTITIES. C18, C26

The whole co-op, △ to scale.

1,566

CUSTOMERS C27

18 MW

NAMEPLATE C28

MORE THAN 83%

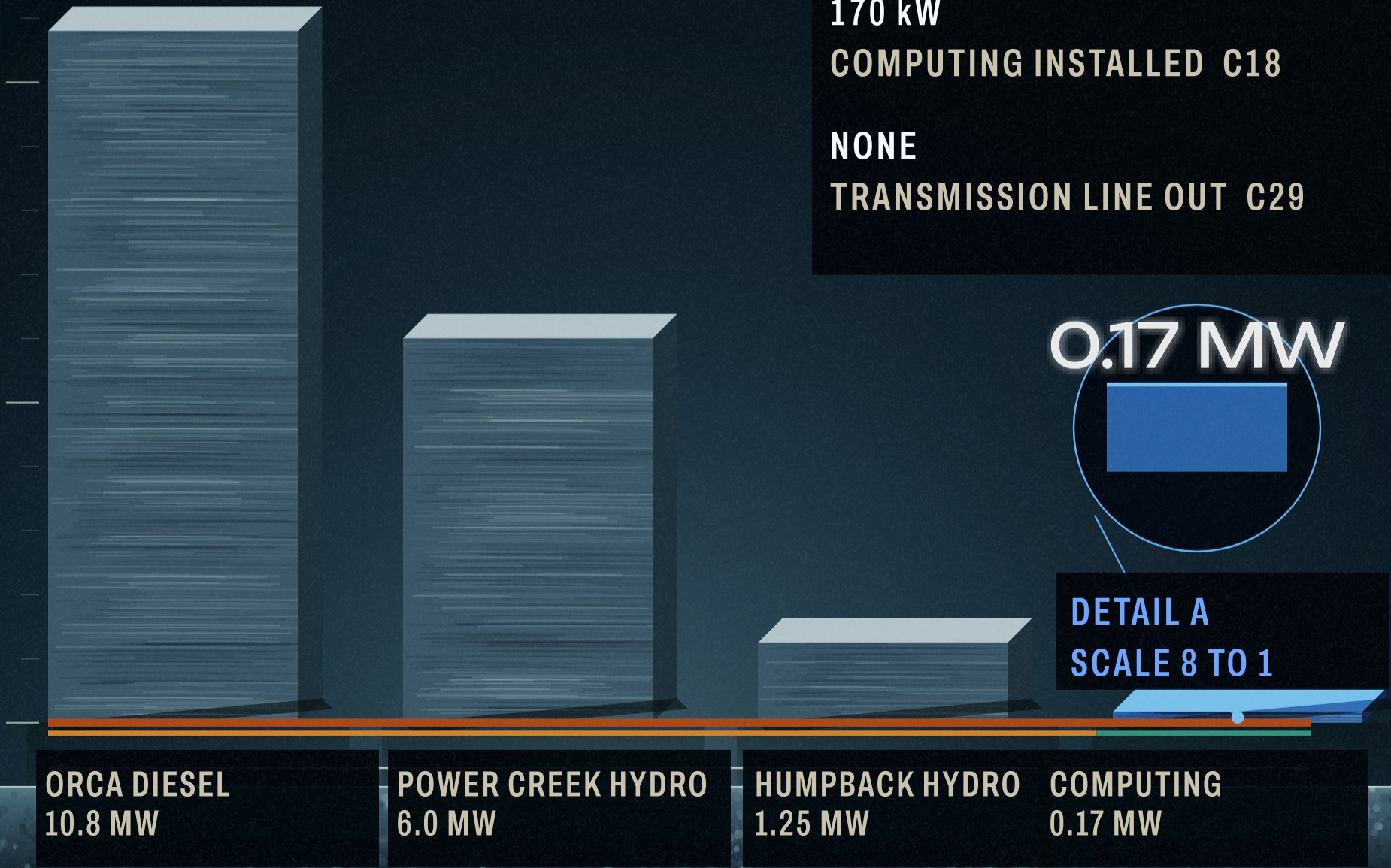
HYDRO SHARE, 2025 C19

170 kW

COMPUTING INSTALLED C18

NONE

TRANSMISSION LINE OUT C29



Over 200 island grids. One got picked.

NO SCALE.
A COUNT, NOT A MAP.

UAF counts over 200 remote microgrids in Alaska. Each one is a closed loop with nothing joining it to the next. Cordova is one of them.
(C06)



200 MARKS DRAWN

07 / 09

EACH MARK IS ONE REMOTE MICROGRID. 8 ROWS OF 25. THE CUT EDGE IS THE WORD OVER. C06

The money is not for the data center. It is for the grid.

On August 11th UAF published both. \$725,000, AURORA-AI, Alaska Utility Resilience and Optimization using Real-time AI, with Richard Wies as principal investigator. It combines utility data, virtual replicas of the power grid and AI to forecast demand and detect abnormal operating conditions. (C01, C02, C03, C05, C07)

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THE SERVER, REMOVED

UAF ACEP

COLORADO STATE

NAT. LAB OF THE ROCKIES

CORDOVA ELECTRIC C04

NAT. LAB OF THE ROCKIES WAS NREL UNTIL DECEMBER 1ST, 2025. C30

\$725,000

\$500,000

\$750,000

CONSISTENT WITH THE PUBLISHED PHASE I BAND. C16, C17

08 / 09

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If the power can't leave, who should get to use it?

"Alaska's isolated power systems provide an ideal environment for developing and testing next-generation technologies that can improve electric grid resilience."

RICHARD WIES, PRINCIPAL INVESTIGATOR, AURORA-AI (C09)

FRAME 670 KM

09 / 09

SOURCES IN COMMENTS

60°33'N 145°45'W

Alaska.Ai
alaskaaihq.com