



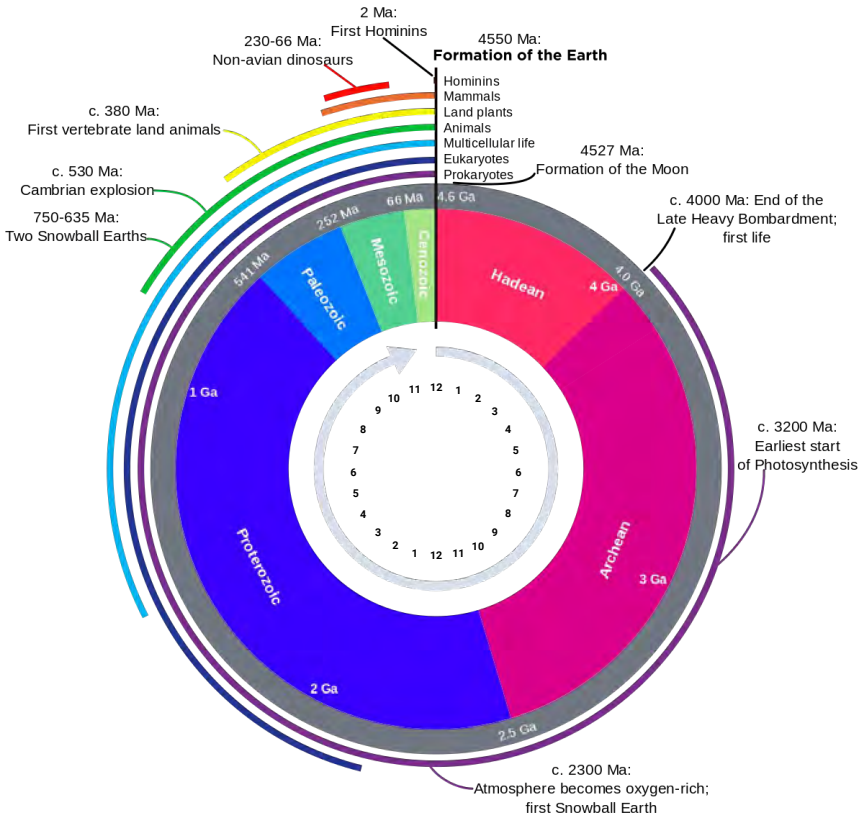
**LAUNCH ALASKA**

## **The Alliance**

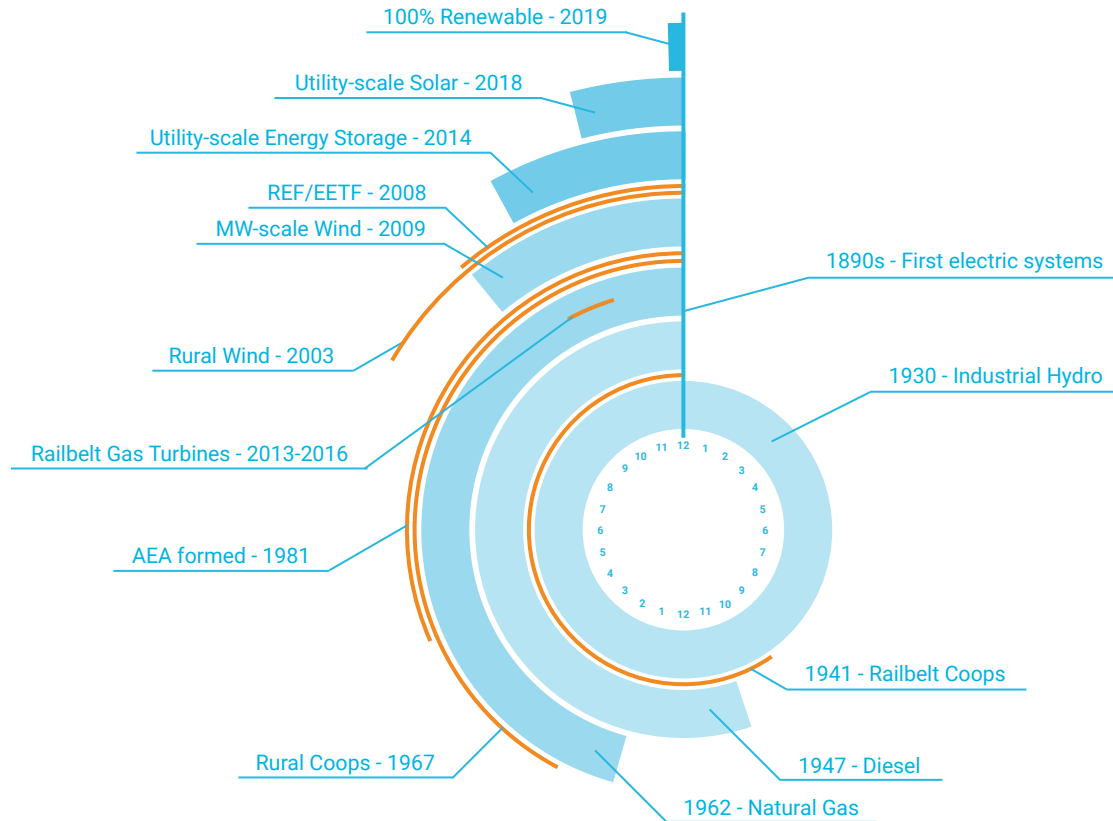
Thursday Breakfast Panel

December 10, 2020

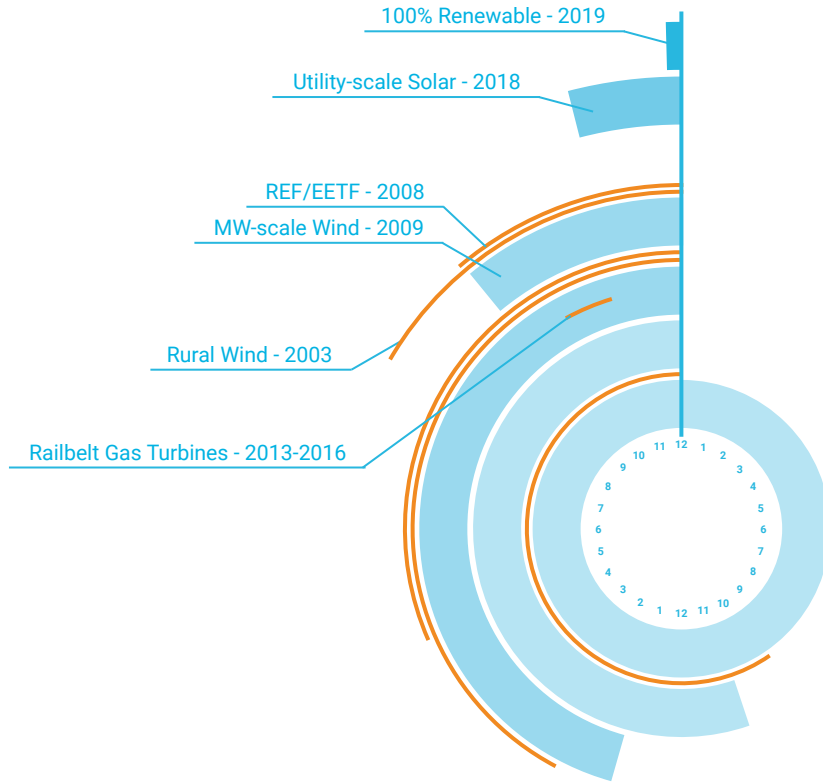
# History of life on Earth



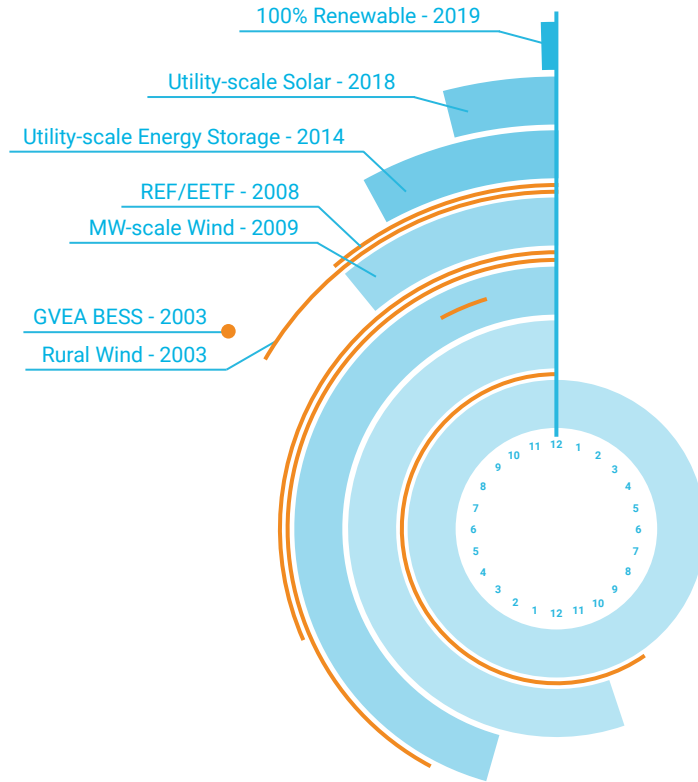
# History of power in Alaska



# Increased renewables



# Enabled by energy storage



# Increased system complexity



Photo courtesy of Alaska Native Renewables Industries



# Sophisticated control & digitization

ENERGY TECHNOLOGY FACILITY  
UAF



**99% renewable energy**





An aerial photograph of a mountain valley. In the foreground, a small town with colorful houses and buildings is nestled in a valley. A winding road leads from the town towards a large, calm lake. The lake's surface is perfectly still, reflecting the surrounding landscape. In the background, majestic mountains with snow-capped peaks rise against a clear sky. The lighting is soft and warm, suggesting either sunrise or sunset, with golden light illuminating the mountain peaks and the surrounding forest. The overall scene is a beautiful representation of a natural landscape.

**Alaska is a global leader**

# The challenges



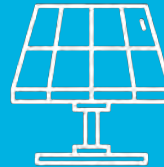
Climate change



Local economic headwinds

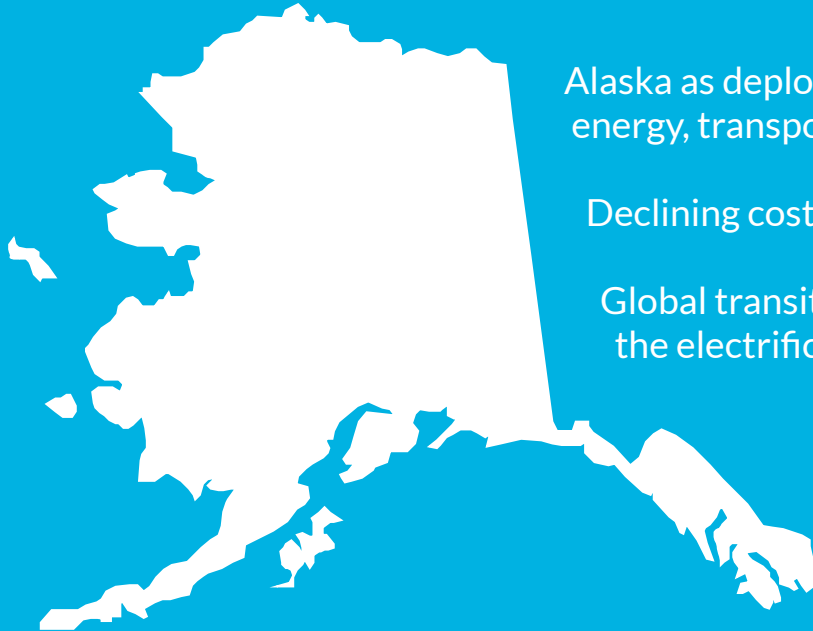


2nd highest cost of energy  
in the U.S.



Alaska has untapped potential  
to lead the resource  
revolution

# The opportunity



Alaska as deployment ground for energy, transportation, food and water solutions

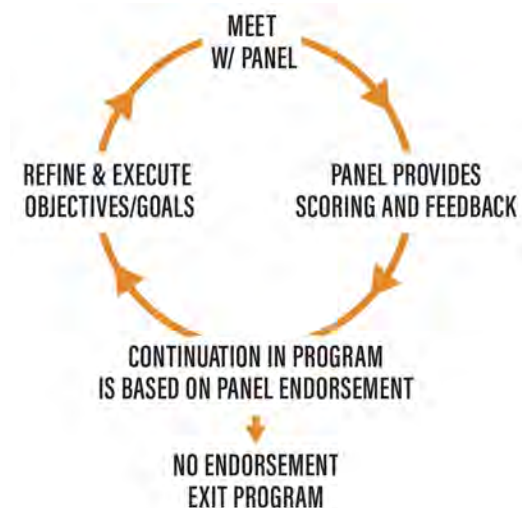
Declining cost curves on renewables, storage

Global transition to microgrids and the electrification of everything

# The program

## Tech Deployment Track (TDT)

- 8 month program
- Steel-in-the-ground projects
- Scale Revenue





**Accelerate the resource revolution**  
by deploying game-changing technologies

**\$1 billion**



**Isaac Vanderburg**

CEO



**Pam Kauveiyakul**

Pipeline + Program Director



**Frances Ball**

Operations + Outreach Director



**Rob Roys**

Deployment Director

TEAM

# Mission partners





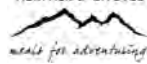
# Infrastructure partners



# Community partners



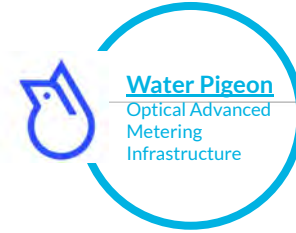
HEATHER'S CHOICE®



Heather's  
Choice  
Food for  
Adventures



FOOD



**WATER**





**eCamion**  
Electric vehicle  
fast charging  
infrastructure

**signal**

**signal**  
Increase  
efficiency with  
behavioral  
science



**Dash  
Systems**  
Last mile UAV  
cargo delivery



**Parallel Flight  
Technologies**  
Heavy lift,  
long-duration  
UAS

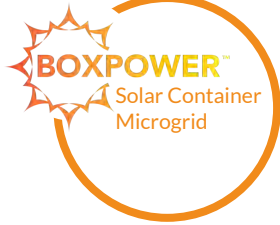


**TRANSPORT**





**60Hertz**  
Offline remote  
maintenance  
software tools



**BOXPOWER™**  
Solar Container  
Microgrid



**Carter Wind**  
Next generation  
wind turbines



**Onboard  
Dynamics**  
Self-powered  
natural gas  
compression



**Omega Grid**  
Blockchain energy  
rewards platform



**Correlate**  
Intelligent  
energy  
programs



**Oklo**  
Small scale  
nuclear fission

**GREENSPARC**

Energy  
optimized cloud  
edge computing



**Switched  
Source**  
Real power  
controller



**ENERGY**

# TECH DEPLOYMENT TRACK COHORT



AMPAIRE



THADDEUS

2S WATER



BIOMASS  
CONTROLS



VECKTA



PHV









60 HERTZ







**Oklo**