



LAUNCH ALASKA

Renewable Energy Update

Alaska Support Industry Alliance



Launch Alaska is a non-profit that supports the development of projects by compressing the time, proximity and focus needed to forge productive relationships, identify opportunities and deploy solutions with tangible results.

Our mission

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



Natural Resources

Oil

Gas

Coal

Wind

Solar

Hydro

Geothermal

Wind

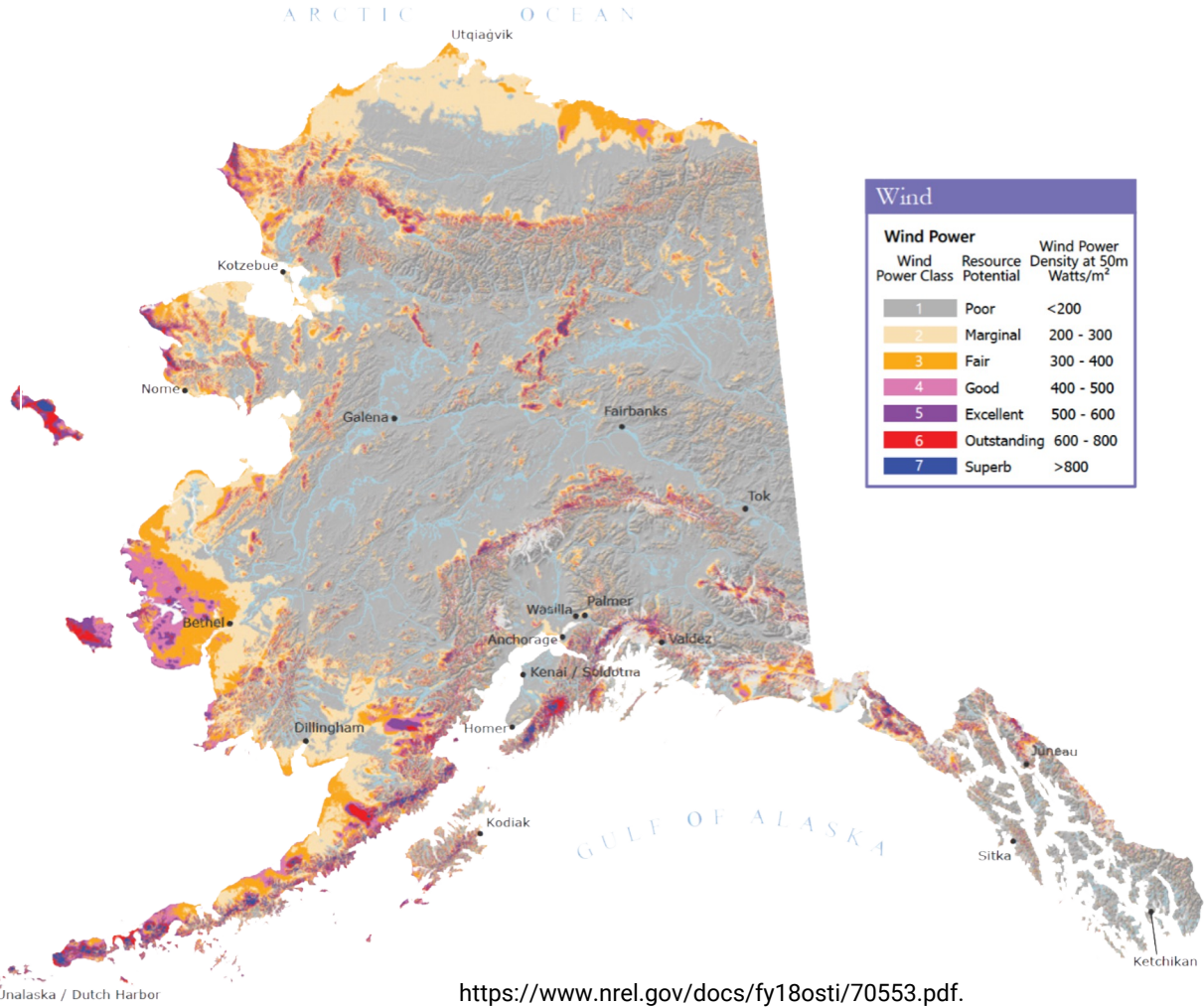
Area
Capacity
Energy Potential
Energy Potential w/Losses

991,409 km²

2,974 GW

13,319 TWh/year

12,087 TWh/year

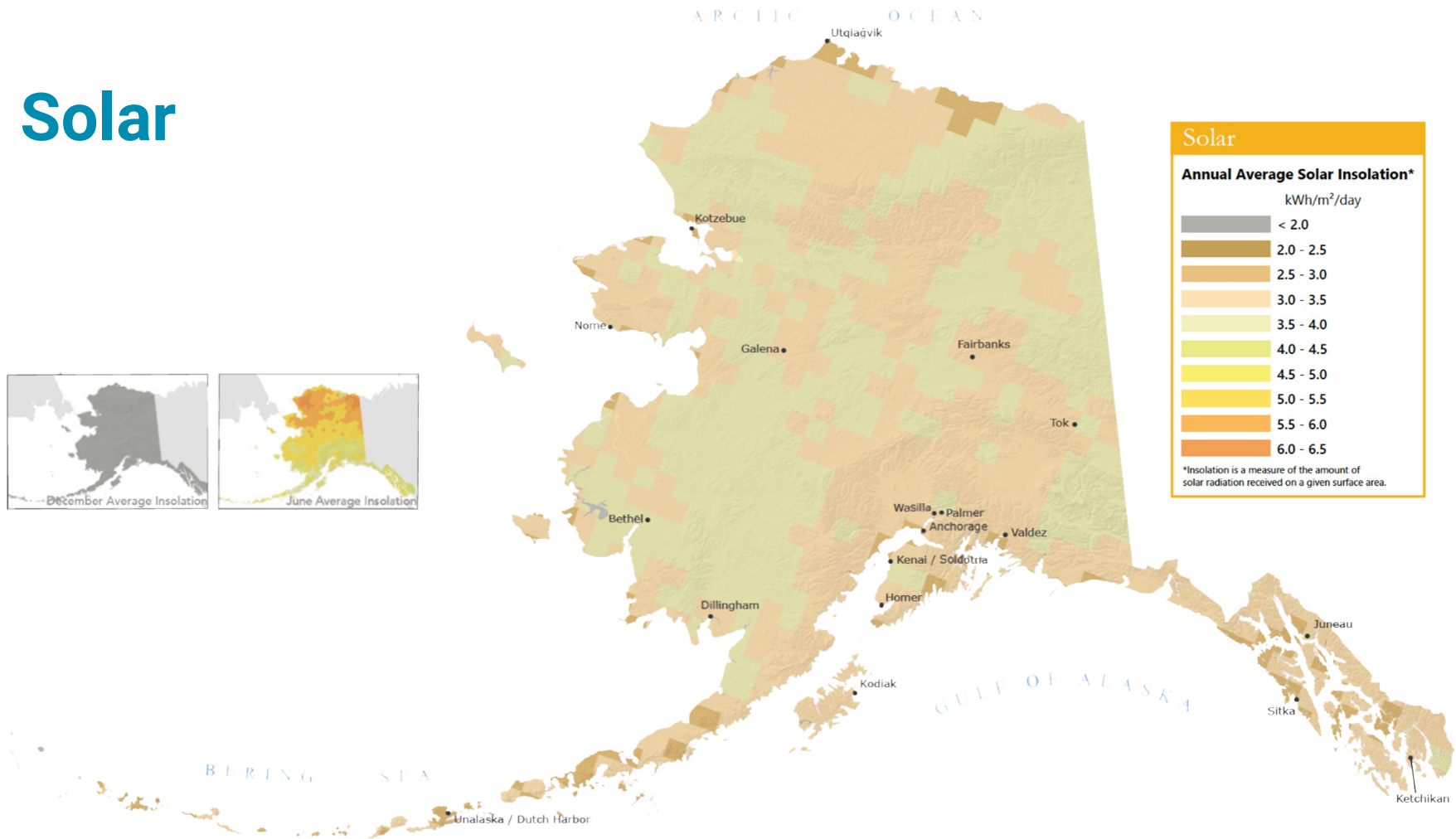


Eva Creek

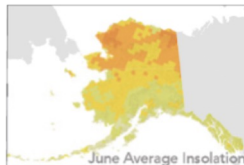
25MW Wind Farm



Solar



December Average Insolation



June Average Insolation

MEA Willow

1.2MW Solar Farm



Hydroelectric

AEA
Hydropower
Database

2,200

Technically
Feasible

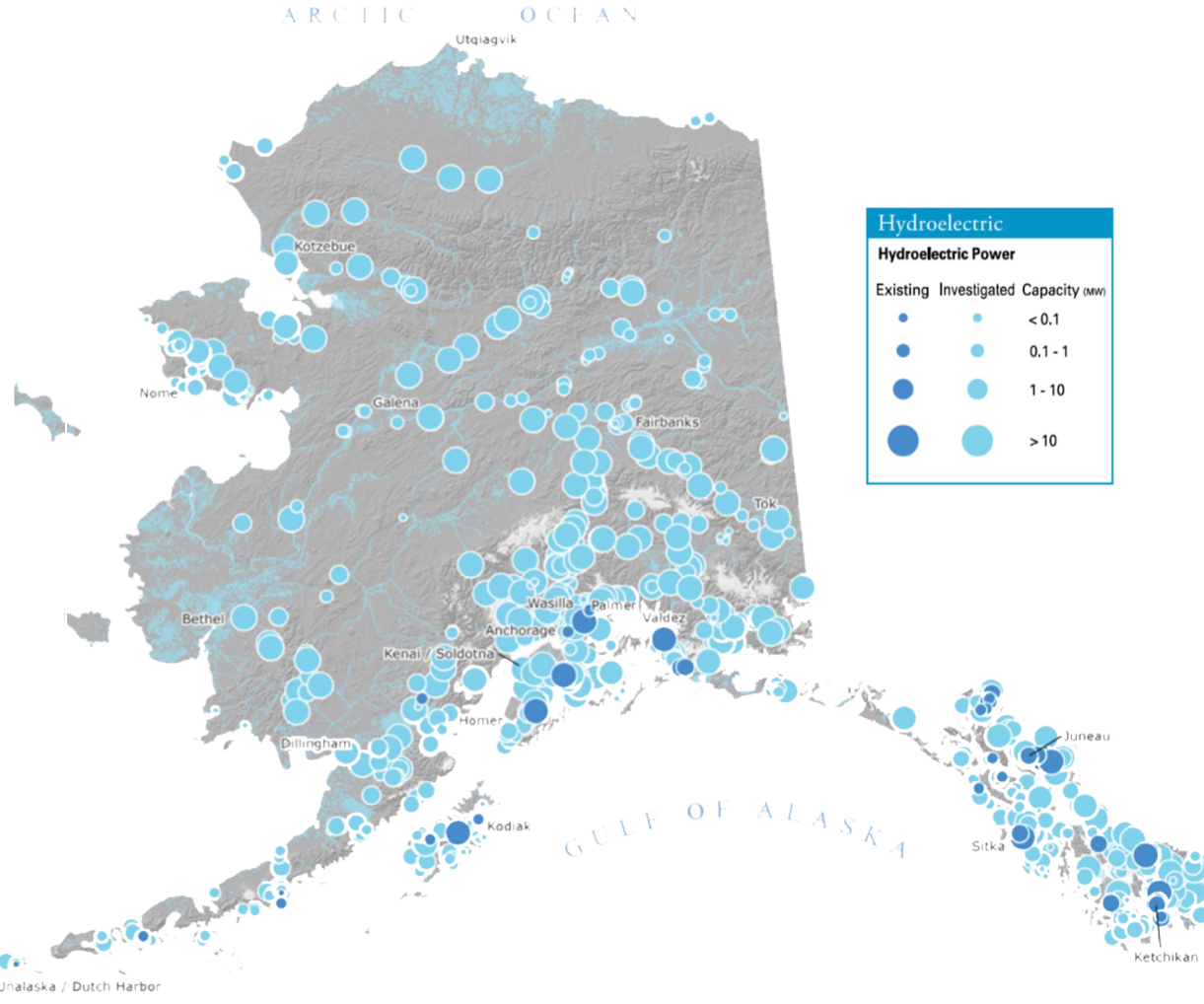
437

Potential

4,723MW

Existing

482.5MW



Bradley Lake

120MW Hydroelectric



Hydrokinetic

River Energy

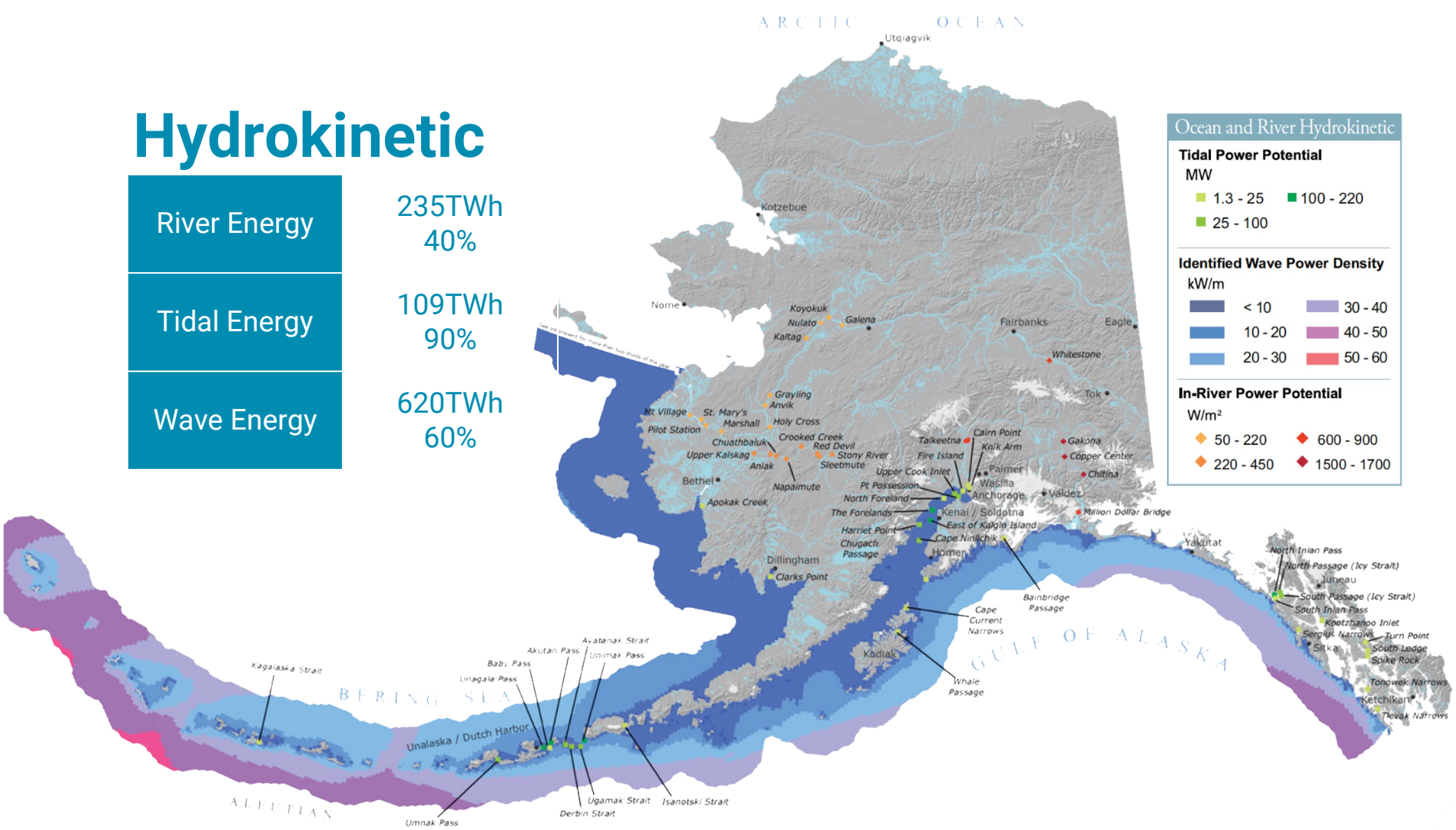
235TWh
40%

Tidal Energy

109TWh
90%

Wave Energy

620TWh
60%

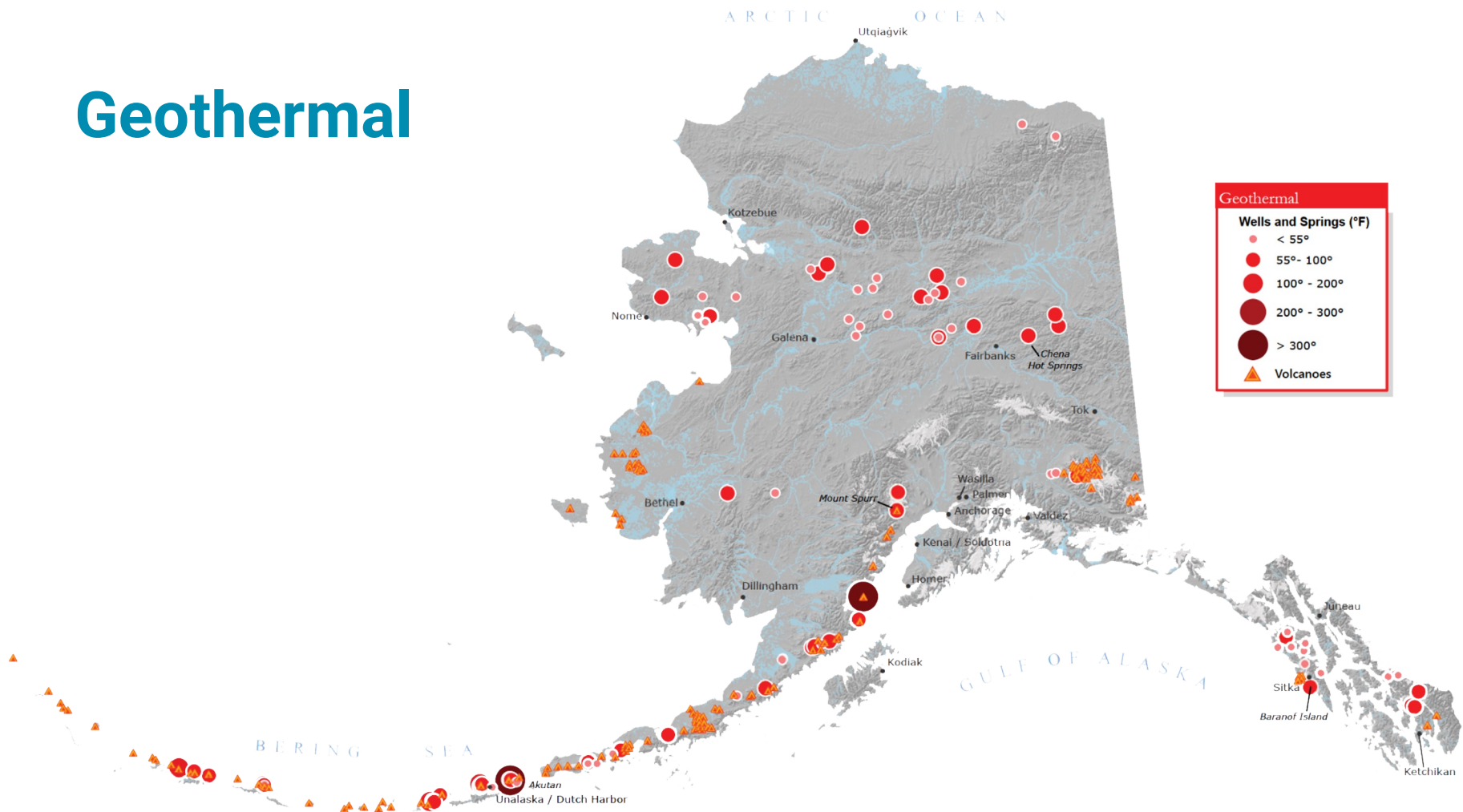


Igiugig

40kW Hydrokinetic



Geothermal



Makushin Geothermal

30MW geothermal



Renewable Portfolio Standard

80% by 2040

**Substantial reduction in fuel costs
annual savings of \$426-506 million**

- All scenarios include significant energy storage
- All scenarios depend on strengthening the transmission system
- Diversity of supply minimizes required capital

Railbelt Utilities

Utility	Carbon Reduction Commitment	Solicitation	Energy Storage
Golden Valley Electric Association	Carbon Reduction Goal - 26% by 2030	15-30 MW of renewables (2021 Q1)	40MW BESS (Upgrade or replacement in 2023)
Matanuska Electric Association	28% by 2030	6 MW solar (pending RCA approval)	70MW BESS out for bid
Chugach Electric Association	100,000 MWh by 2025	100,000 MWh renewables (2021 Q4)	
Homer Electric Association	50% Renewable by 2025	Independent Power Producers (In discussion)	46.5 MW BESS

Alaska Electric Light & Power

Juneau, AK

Photo: Alaska Electric Light & Power

Anchorage Power & Light

Anchorage, AK

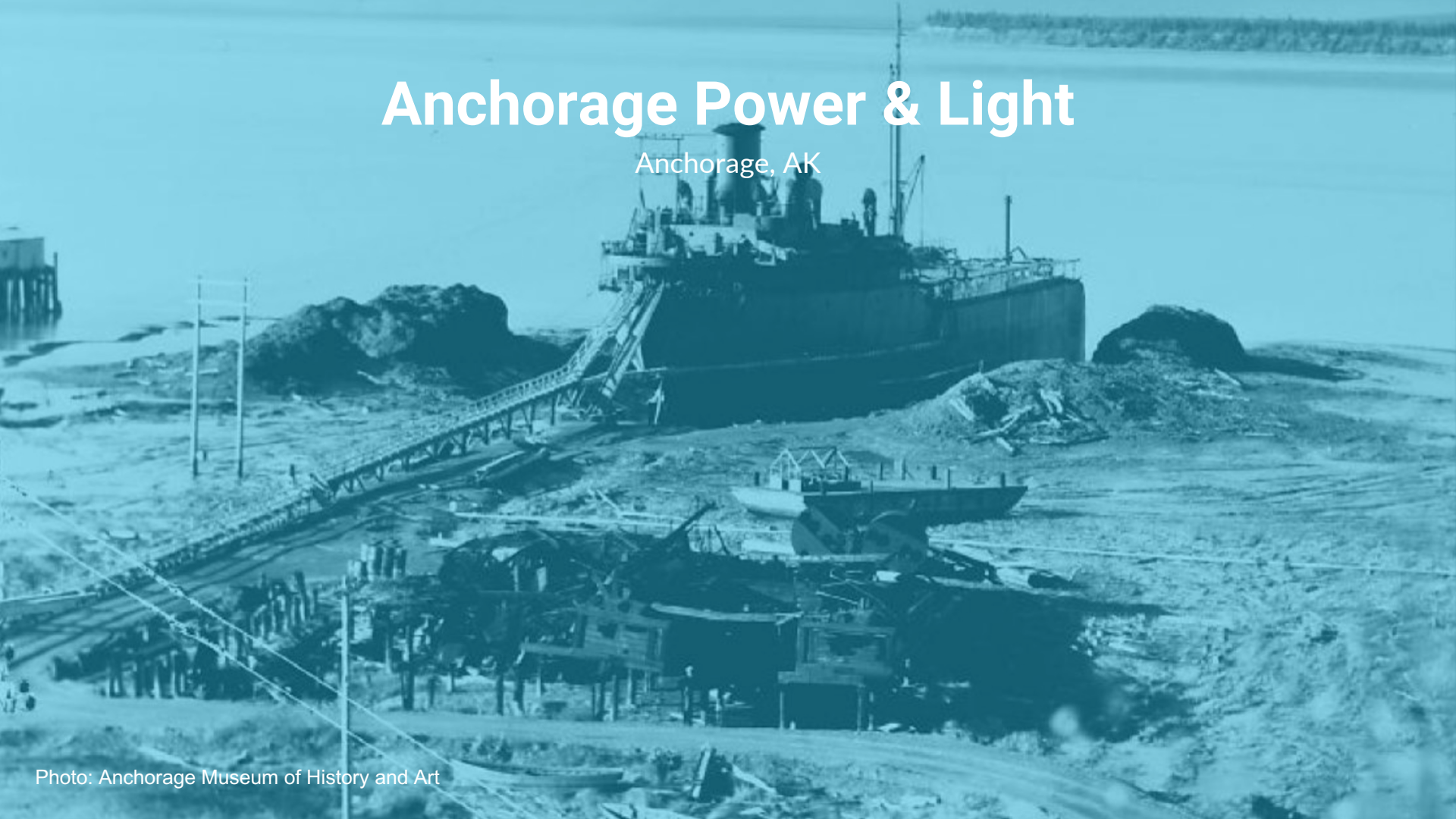


Photo: Anchorage Museum of History and Art

Kotzebue Electric Association

Kotzebue, AK



Golden Valley Electric Association

Fairbanks, AK

Photo: Golden Valley Electric Association

Kodiak Electric Association

Kodiak, AK





ALASKA

20,000

**TERAWATT HOURS
OF ANNUAL RENEWABLE
POTENTIAL**

= OVER 5X

ANNUAL CONSUMPTION OF THE UNITED STATES



THE NEXT 40 YEARS

480 BILLION BARRELS OF OIL



Rewiring America

2000 gigawatts

4x grid size

4x electric vehicles

16x batteries

12x wind turbines

10x solar PV

25 million jobs

at Scale and for Sale



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ALASKA**

