

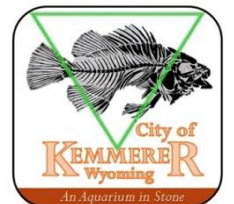


Hosting New
Nuclear
Development

ECA Case Study: City of Kemmerer

August 3 – 5, 2022

Salt Lake City





**Our
speakers
today**

Bill Thek
Mayor of
Kemmerer
WY

Brian Muir
Kemmerer
City
Administrator

Rita Meyer
TerraPower,
Executive
Outreach

Sharon Fain
Rocky
Mountain
Power, VP

Rita Meyer, Executive Outreach, TerraPower





Advanced Nuclear Energy for Wyoming

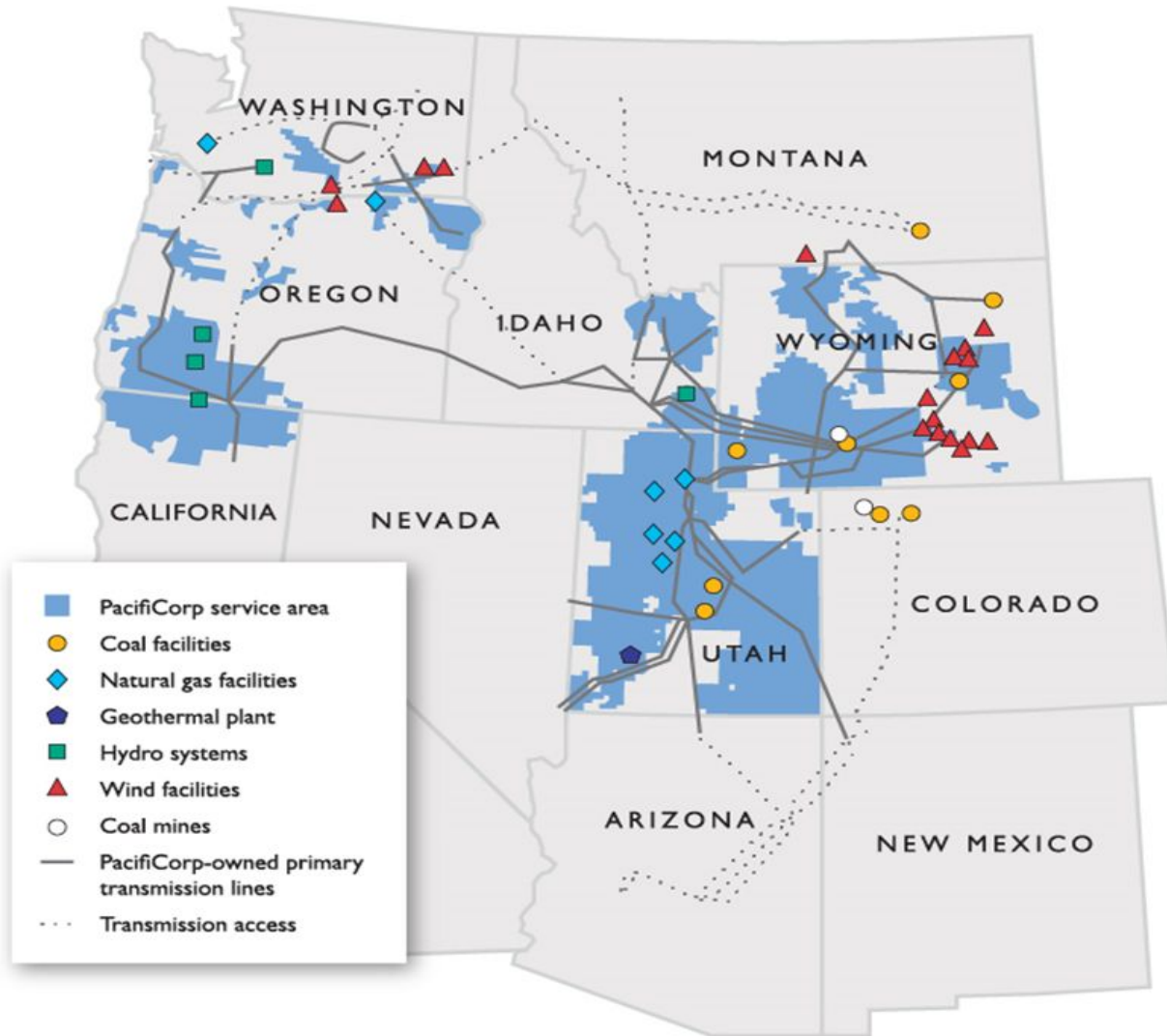
Rita Meyer
Wyoming Energy Futures, LLC



Sharon Fain, VP Rocky Mountain Power



PacifiCorp Overview



- Two divisions – Rocky Mountain Power and Pacific Power
- Approximately 4,800 Employees
- 2 million electricity customers
- 141,000 square miles of service territory in six states
- 17,457 miles of transmission
- Generating capacity by fuel type
 - Coal 44%
 - Natural Gas 25%
 - Hydro 12%
 - Wind, geothermal and other 19%



Coal Plant Community Transition

- We are committed to working with employees and communities impacted by coal plant retirements
- Working with coal employees through transition
 - Funding Education
 - Retraining and relocation
 - Retirements
 - Hiring priority
- Engaging with impacted communities to identify economic diversification opportunities and resources
- Matching grant funds, grant application technical assistance and assigned certified economic developer

Bill Thek, Mayor of Kemmerer Wyoming



Kemmerer Operations LLC



Photo Casper
Star Tribune





Naughton #1, #2 (Coal steam),
and Naughton #3 (Coal converted to Natural gas peaker)



The City of Kemmerer WY named as
“The Town” for Natrium™ Nuclear Plant Nov 2021!!



Brian Muir, Kemmerer City Administrato r



Community Profile:

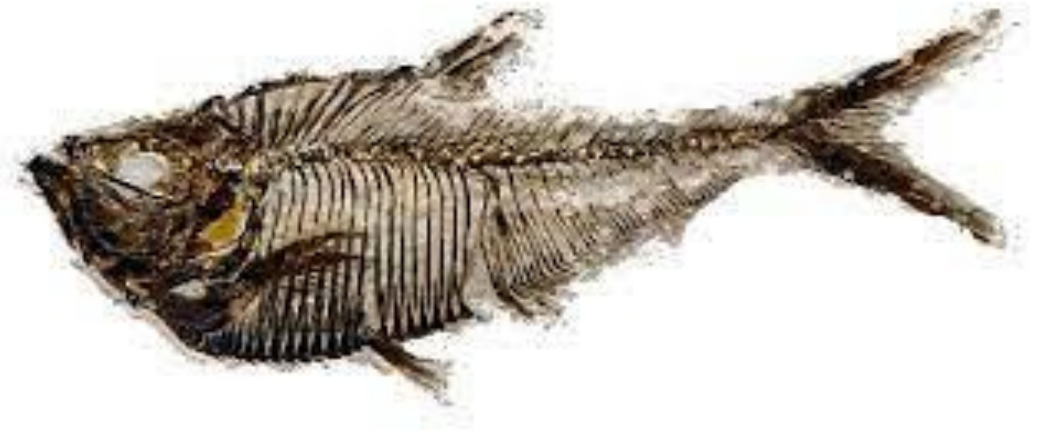
Kemmerer and Diamondville Wyoming

The City of Kemmerer

Home of J.C. Penney Golden Rule Store and Mother Store



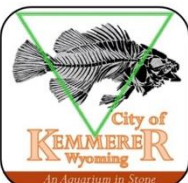
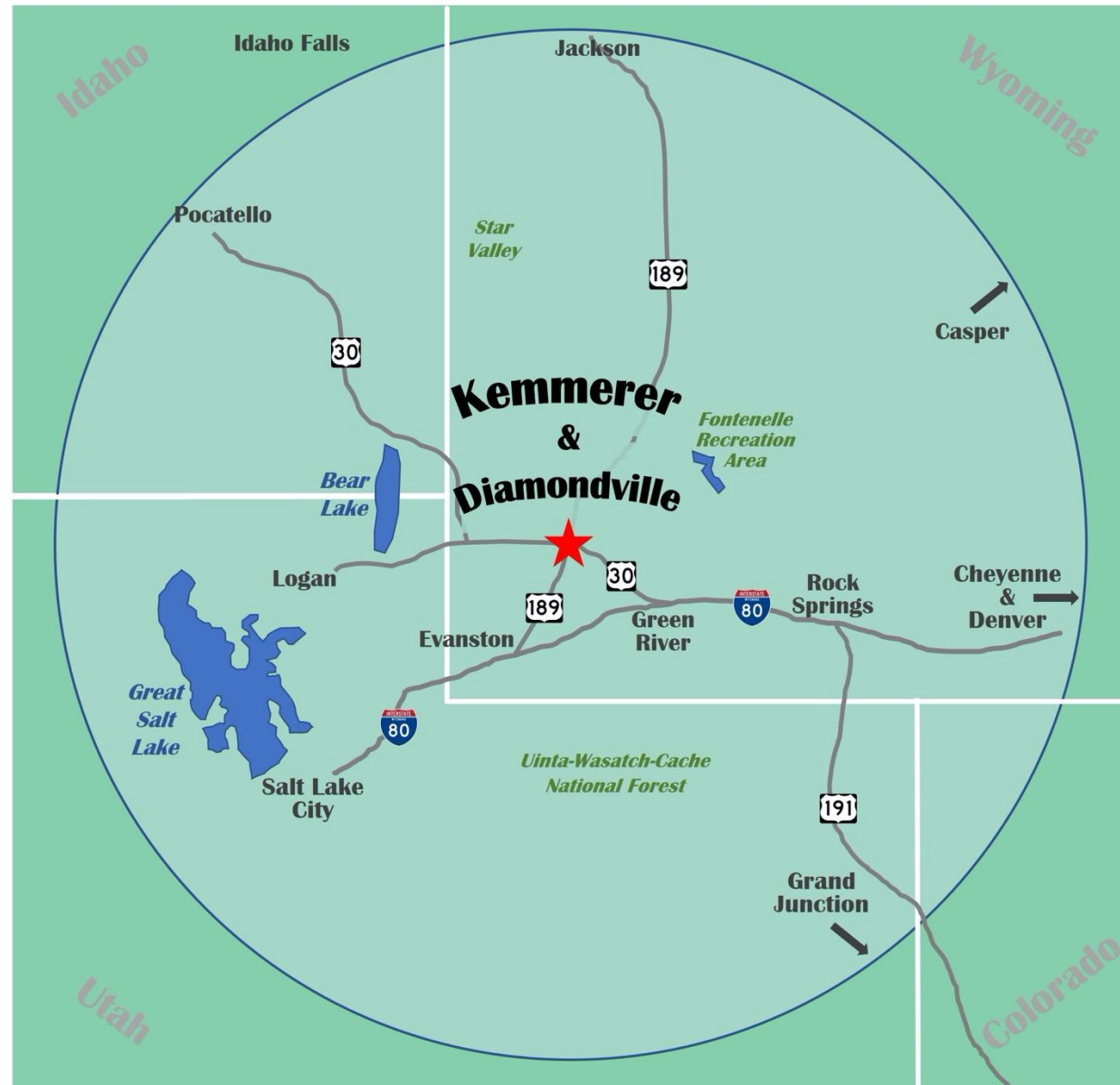
Fossil Fish Capital of the World



Blue Ribbon Trout Fishing on Hams Fork River and Annual Kids Fishing Derby on Kemmerer Kids' Pond



Where in the world is Kemmerer Wyoming?



Community Profile

- ❖ Kemmerer Population 2415; Diamondville 520
- ❖ Kemmerer Operations (coal mine) is largest employer.
- ❖ Most of workforce in mining, gas, and electric power generation.
- ❖ 80 MW Solar Farm coming to nearby Cokeville.
- ❖ Also known for Fossil Butte National Monument; for hunting and fishing.
- ❖ Near Opal natural gas hub and Exxon/Mobile (gas, helium CO2), and Coal.
- ❖ No prior experience with DOE and nuclear
- ❖ Plenty of Uranium in Wyoming.
- ❖ Close to Western Wyoming Community College and Wasatch Front universities; many go to University of Wyoming in Laramie as well.
- ❖ BOCES office in Diamondville a local resource.
- ❖ Lincoln County School District 1
 - High spending per pupil —Home of the Kemmerer Rangers --Excel at robotics





Pre-Nuclear Story of Kemmerer

- ❖ 2019 Rocky Mountain Power Closure of Naughton 3—later converted to NGP
- ❖ July 24, 2020 Kemmerer Publishes Retention, Expansion, Diversification Plan



Phase II Results

All industries and opportunities identified through the Phase II process were then evaluated through an Opportunity Assessment. Each industry was evaluated based on its Diversification Opportunity, Capital Investment and Job Creation Impact, Timeline, Overall US Activity in the Industry, and Kemmerer's Location Competitiveness. All industries were then given a Priority Ranking on a scale of 1-5, with 1 being highest priority and 5 being lowest. Industries with a Priority Ranking of 1, 2, or 3 were maintained through to the Phase III assessment.

Investment Timeline: 1-3 Years

Operation	Priority Ranking
Solar Generation	2
Wind Generation	2
Coal Generation - New Owner	3
Food Manufacturing	3
Fossil Tourism	3
Other Tourism	3
Coal Exporting - Local	4
Bricks/Blocks	5
Portland Cement and Concrete	5
New Form Coke Technology	5
Carbon Capture	5

Investment Timeline: 3-5 Years

Operation	Priority Ranking
Chemical Manufacturing	1
Coal Exporting - Global	2
Coal Upgrading	2
Blockchain/Cryptocurrency	3
Storage Yard	3
Coal Combustion Waste to Chemicals	3
Firearms	3
Natural Gas to LNG	3
Transload	4
Pipeline Transportation	4
Coal Gasification	5
Machinery Manufacturing	5
Activated Carbon Manufacturer	5
Artificial Carbon From Biomass	5

Investment Timeline: 5+ Years

Operation	Priority Ranking
Data Center	2
Battery Storage*	3
Gas Conversion of Plant	5
Small Modular Reactors*	5
Oil and Gas Extraction	5

**Industries estimated as having a 10+ year timeline. Remaining opportunities are 5-10 time periods for investment.*



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- ❖ Kemmerer/Diamondville Publish Invest K/D Website



Invest Kemmerer - Diamondville

[Explore](#)

Our Mission

Invest Kemmerer - Diamondville is an initiative to invigorate the towns' economy. The group consists of leaders from the area with focuses in education, business, healthcare and government. Our goal is to encourage and support a quality future for South Lincoln county.

Invest Kemmerer Diamondville Web Site

<https://www.investkemmererdiamondville.com>

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- ❖ WY Governor Mark Gordon Announces 4 possible TerraPower nuclear sites



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Kemmerer Gazette

\$1.00

Volume 96, No. 32

Tuesday, August 17, 2021

Serving Kemmerer, Diamondville, Oakley, Cokeville, LaBarge, Opal, Twin Creek and Frontier for 125 years

City officials: Kemmerer is TerraPower ready

From the City of Kemmerer

Just over a year ago, the City of Kemmerer made a commitment in its Kemmerer Retention, Expansion, and Diversification Plan to embrace nuclear energy. Fast forward to today and Kemmerer is positioned well to fulfill its nuclear energy goal.

In TerraPower's and Pacificorp's (Rocky Mountain Power's) recent joint announcement to build a Sodium Advanced Reactor in Wyoming, Kemmerer was included as one of four finalist Wyoming locations being considered. Kemmerer's foresight in planning for nuclear was a testament to their visionary community leadership. Committed to the energy sector and innovation within the energy sector, Kemmerer stands ready to make TerraPower's demonstration project a reality and a success.

TerraPower represents energy and innovation. Energy and innovation are at the heart of the Kemmerer economy. For the past 100 years Kemmerer has served as an economic hub for many communities and families across southwest Wyoming, neighboring southeast Idaho, and northeastern Utah.



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KNIGHTIA
ROOM

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Kemmerer Selected as TerraPower's Preferred Site for Sodium Nuclear Reactor Demonstration Project



Photo by Mark Tesoro.

By: William Billingsley, Gazette Editor; Toby Chytka, Staff Writer - Updated: 8 months ago

Posted Nov 22, 2021



Last week, on Nov. 16, TerraPower announced that the preferred location of their new power plant would be near Kemmerer. The Kemmerer site beat out competing locations in Gillette, Rock Springs and Glenrock, and all four sites had their unique advantages and disadvantages. Some of these included the timetable of when their plants would close, resident populations, community enthusiasm, existing infrastructure, water sources, proximity to sources of

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- ❖ 2022 Test drilling begins by Bechtel—50 temporary workers



Our nuclear story

- ❖ Kemmerer needs the Advanced Reactor (AR) to replace potentially lost coal-fired power industry. Losing 100+ high-paying energy jobs and more jobs at coal mine.
- ❖ Keeping energy industry alive is about preserving our legacy of multi-generational energy families, as well as our union culture, and quality of life. Have high median income that allows families and individuals to prosper, hunt, fish, camp, snowmobile, ride trails, and do 4-H.
- ❖ Our champion has been our team effort under the direction of the Kemmerer Area Diversification Committee (KACD), working with economic/political leaders.
- ❖ Detractors: Those vocal people in the community, online and in-person, who want to keep Kemmerer/Diamondville small; and those who don't believe it will happen.



November 2021 Survey of 323 K/D Residents

78% agree bringing TerraPower Sodium™ Plant will benefit economy

85% agree nuclear is a reliable form of energy

83% support bringing advanced nuclear to South Lincoln County

77% think nuclear is a safe form of energy

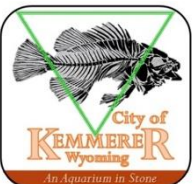
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- ❖ Kemmerer is remote, as well as centrally located on the grid. Our trained and hard-working people are our biggest asset.
- ❖ Positive economic impact—residential and commercial real estate market significantly increased; downtown revitalization underway.



Strategy moving forward

- ❖ E-mail marketing to nuclear related and other industry to locate here
- ❖ Light industrial sites
- ❖ Hiring economic development liaison contractor to manage project
- ❖ Expand infrastructure: temporary and permanent housing, new wastewater treatment plant
- ❖ Work with Bechtel on other temporary workforce needs: restaurants, entertainment, work-out facilities (expanded hours)
- ❖ Assess and train workforce
- ❖ Expand local government workforce—police, snow, streets, etc.



TerraPower Sodium™ Timeline Estimates

2022—Drilling of soil completed 50 workers; Kemmerer is an ideal site.

2023—Sodium testing facility constructed
—150 construction workers
— 12 to 15 full-time workers

2024—Construction on nuclear/energy islands begins
—500 construction workers

2026—Peak construction workers
—2000 workers

2028—Sodium Plant completed
—150 to 250 permanent workers



Q&A

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Sharon Fain, sharon.fain@pacificorp.com (307) 829-7470

