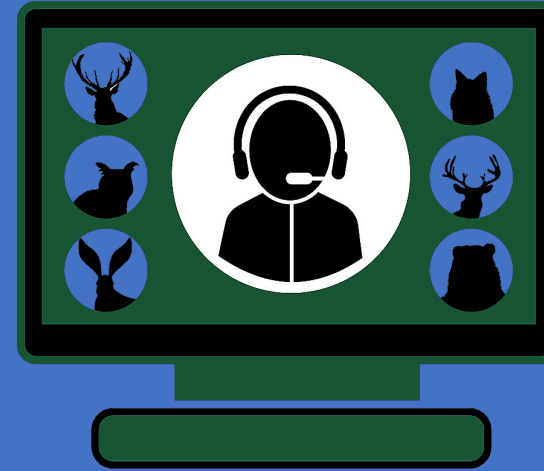




Montana Environmental Information Center



The Quarantine Series Colstrip 101

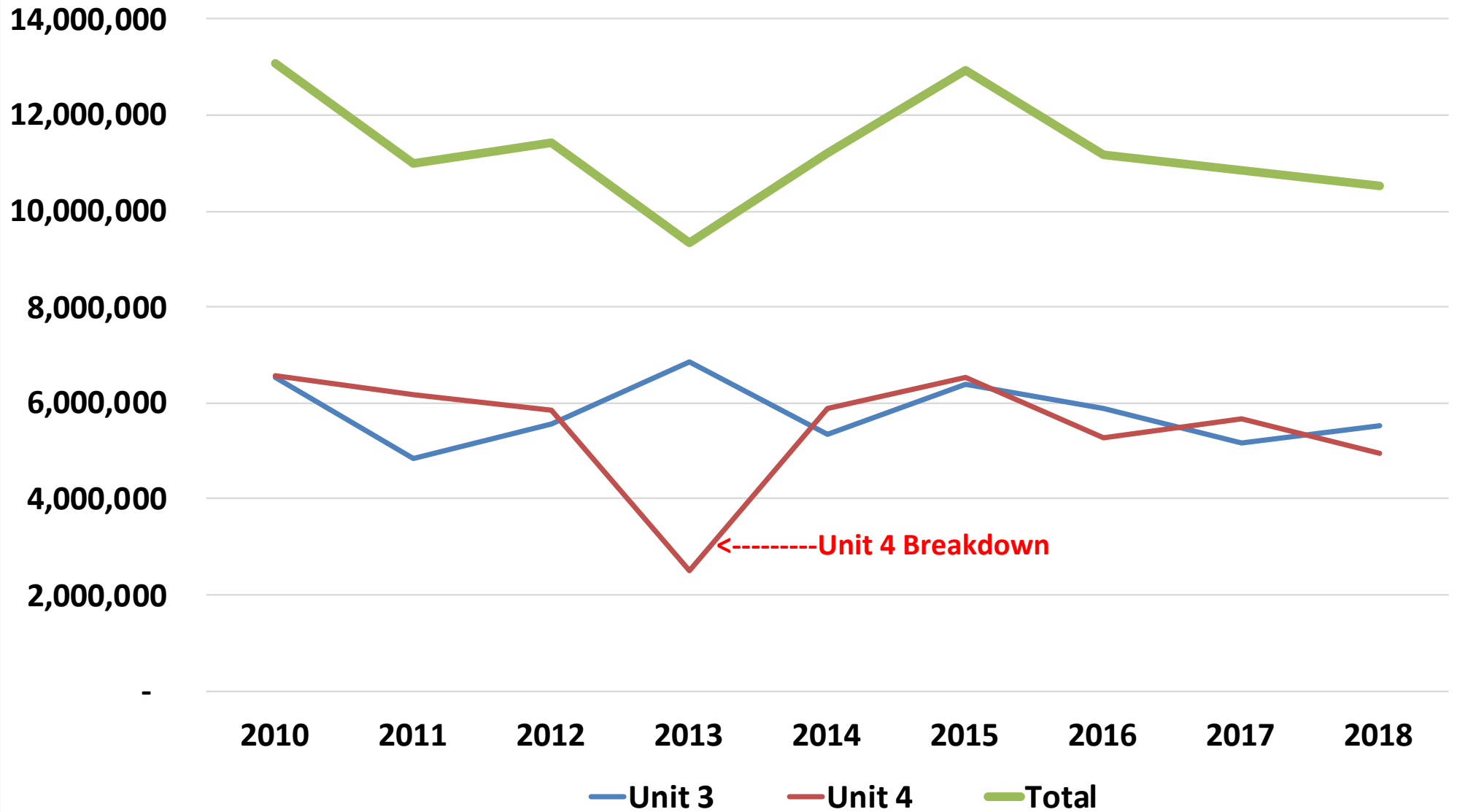
What's All of the Fuss About?

1. Climate Change
2. Cost



Colstrip

Tons of Greenhouse Gas Emissions per Year

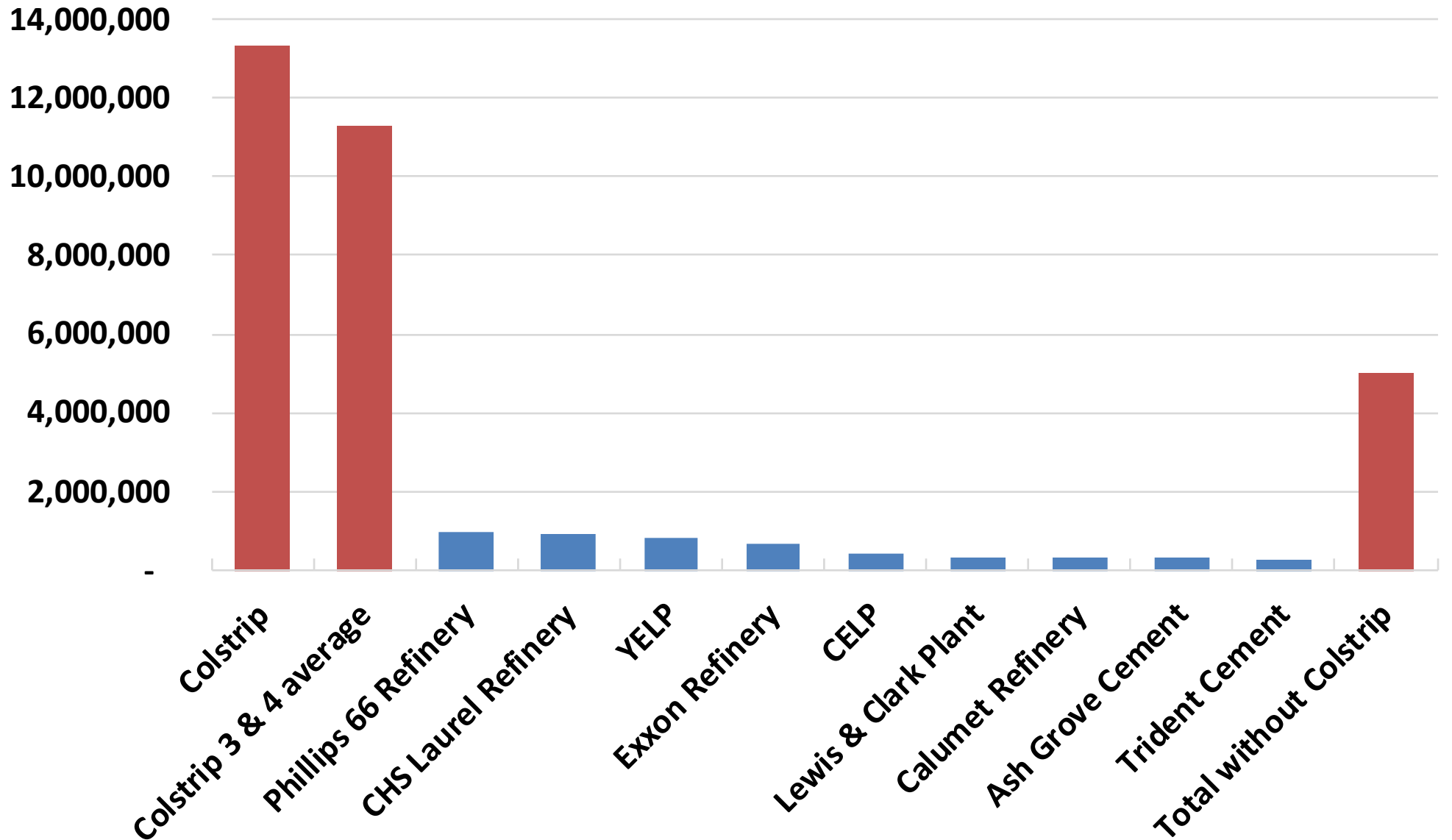




Colstrip Units 3 & 4 average greenhouse gases emissions equals:

- Over 1 billion gallons of gas burned
- Over 2 million vehicles on the road for 1 year
- Over 23 million barrels of oil burned

2018 MT Facilities Tons of Greenhouse Gas Emissions

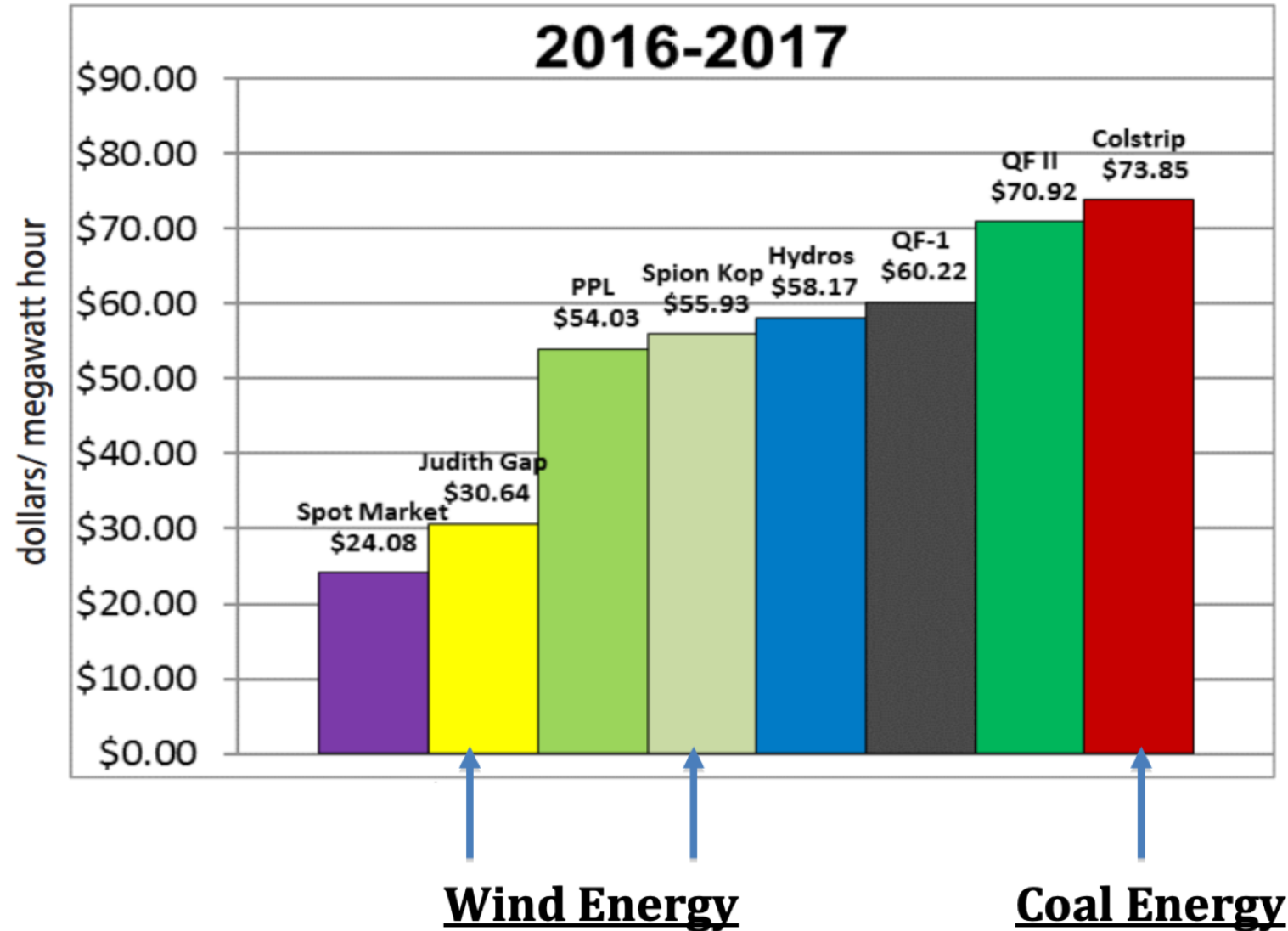




MEIC

Colstrip is
Expensive

Electricity Supply Costs for NorthWestern Energy





Why Is Colstrip So Expensive?

2007: NorthWestern Energy pays \$187 million to acquire 30% interest in Colstrip Unit 4 (CU4).

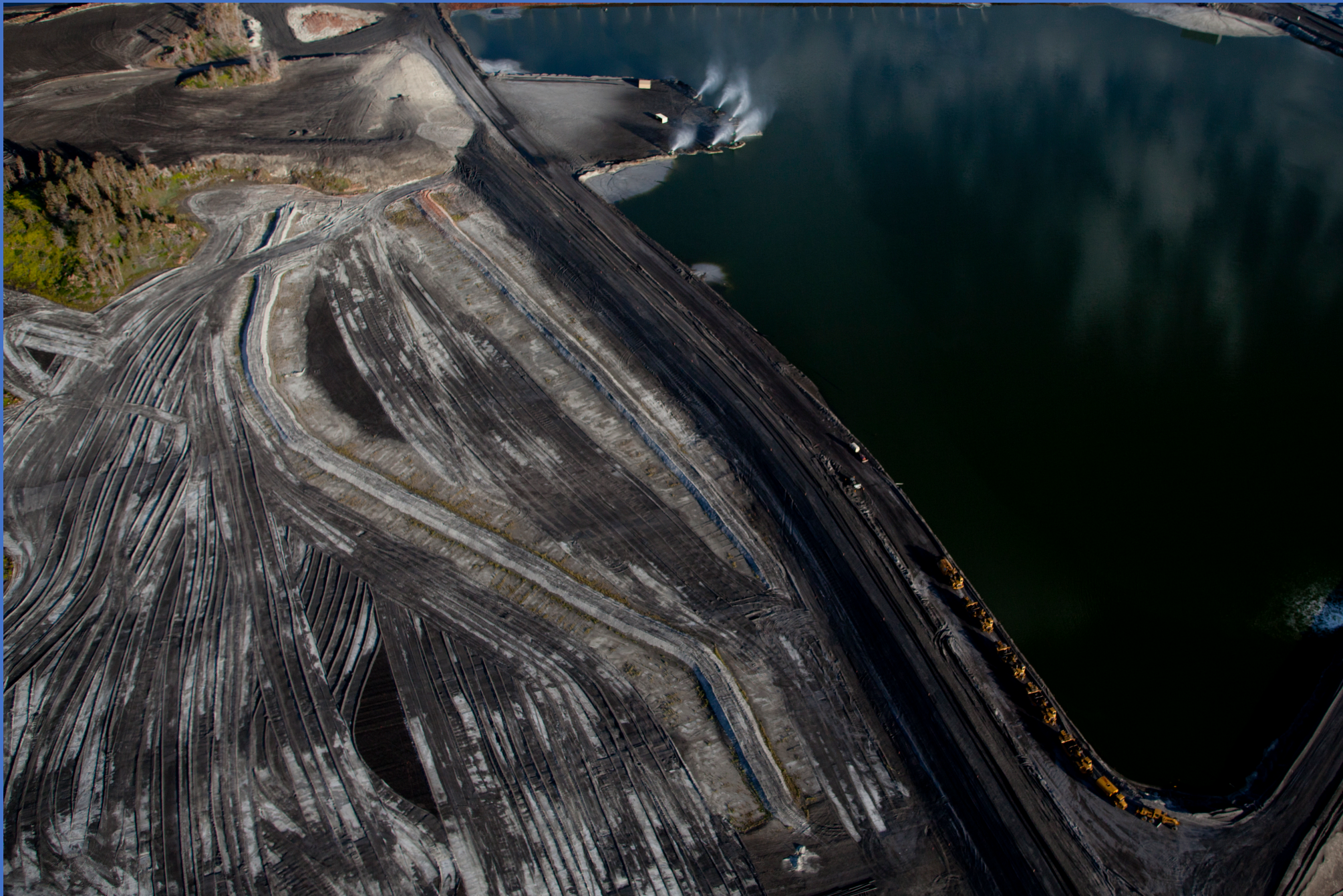
2008: PSC approves adding CU4 to NorthWestern rate base at \$407 million, based on “market value” with 8.25% rate of return until 2043. (*This remains as long as CU4 is “used and useful”*).

“It is easy to see how the excess valuation of Colstrip Unit 4 will affect NorthWestern’s ability to make an informed decision about the future of Colstrip Unit 4. Stated bluntly, Colstrip Unit 4 is a cash cow for investors.”

- Ron Binz, former chairperson of Colorado Public Service Commission

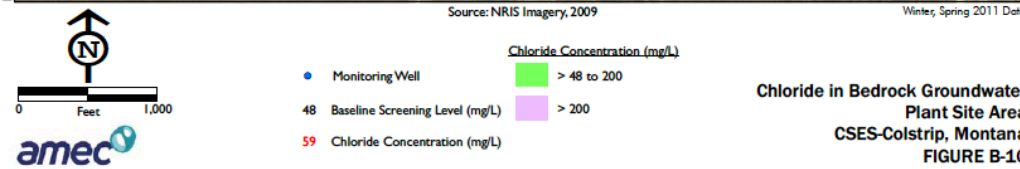
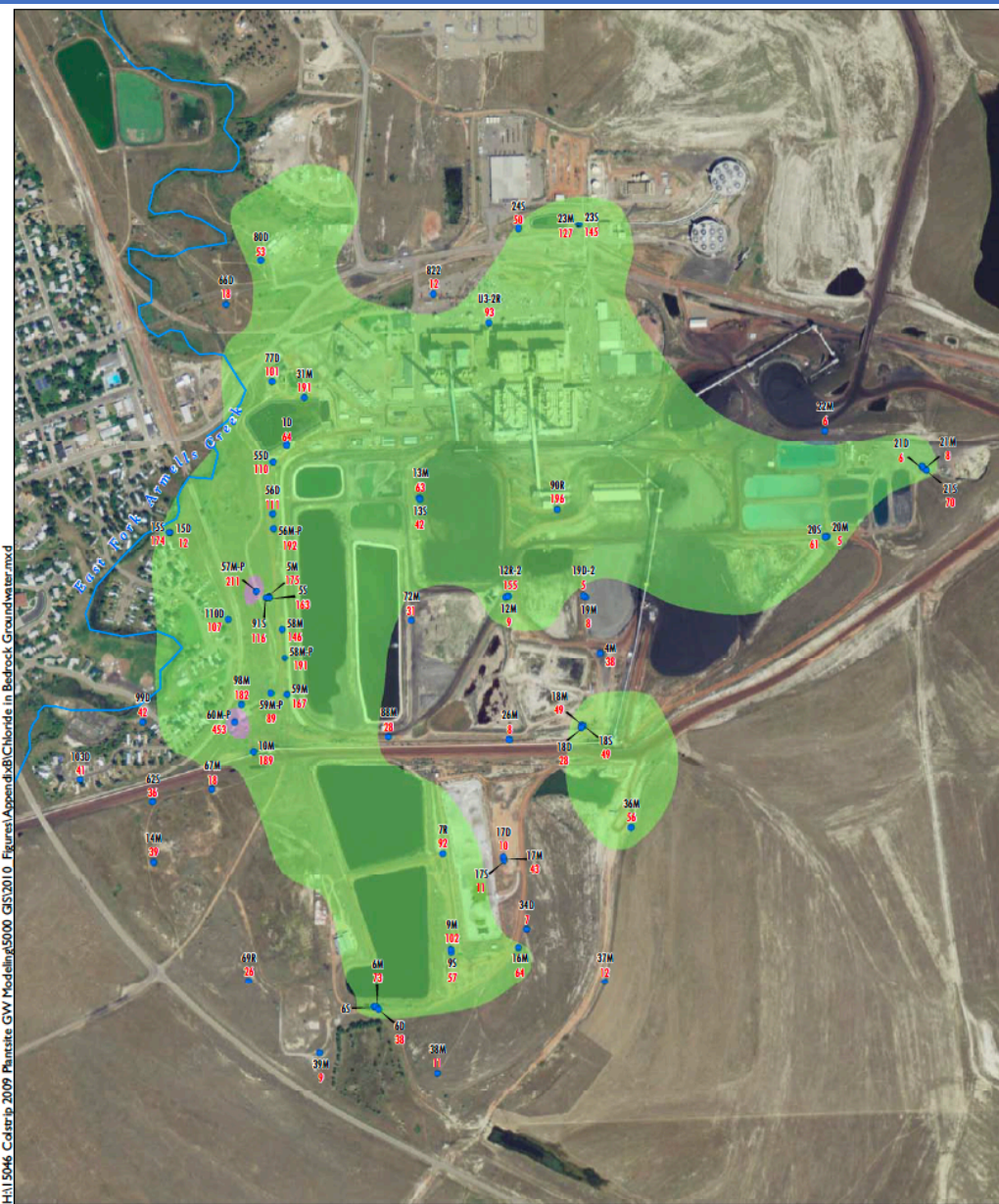


Coal Ash





Green Blob = extent of groundwater contamination which resulted in the settlement of \$25 million community lawsuit from community.



Coal Ash

- 3 disposal areas
- 800 acres
- 200 million gallons/year leak
- DEQ conditionally approved 2 of 3 cleanup plans
- DEQ has about \$270 million in bonds with most complex area still to go.



Figure 10: NorthWestern's Share of Colstrip Unit 3 and 4 Fixed O&M³⁷

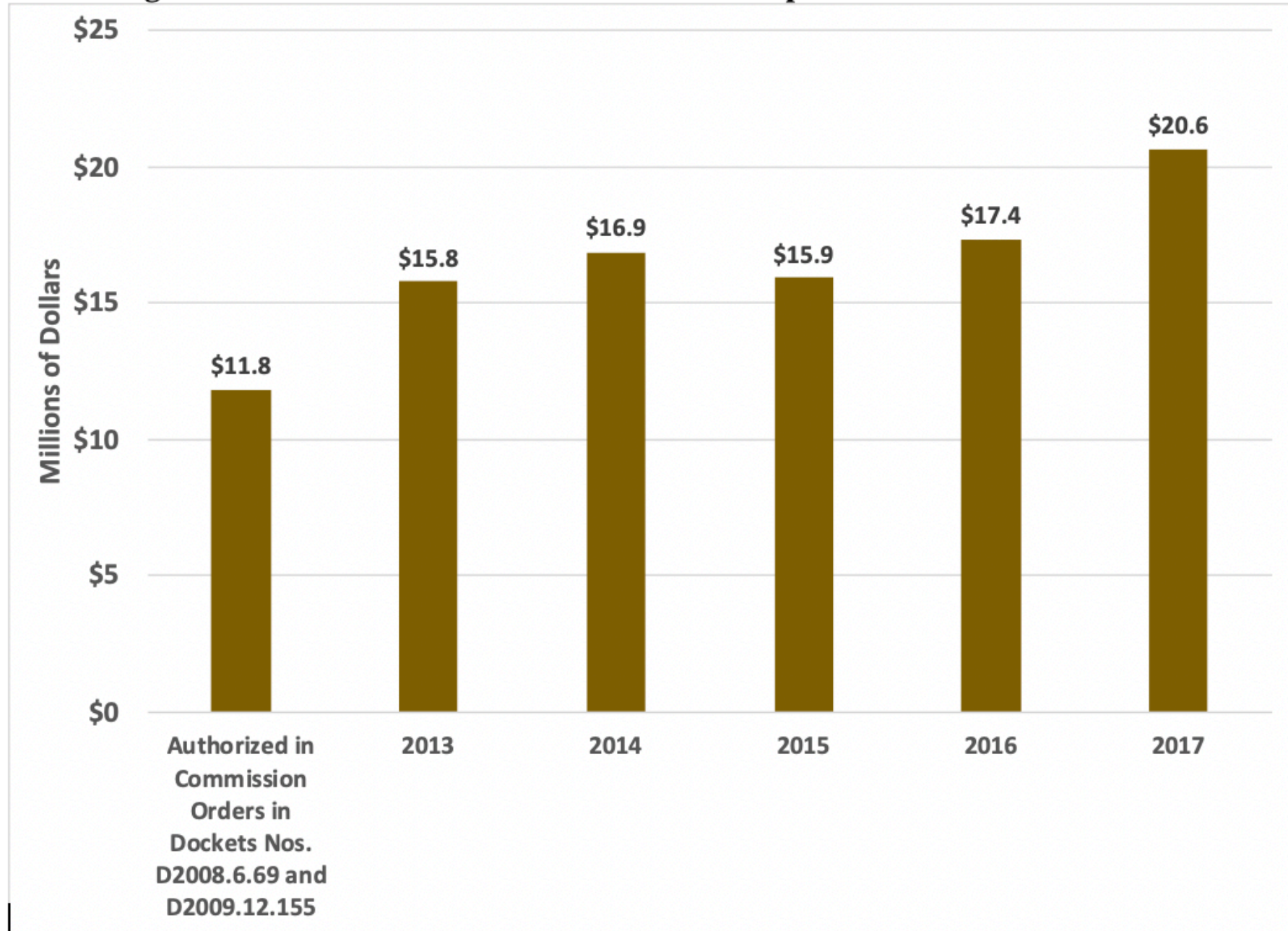
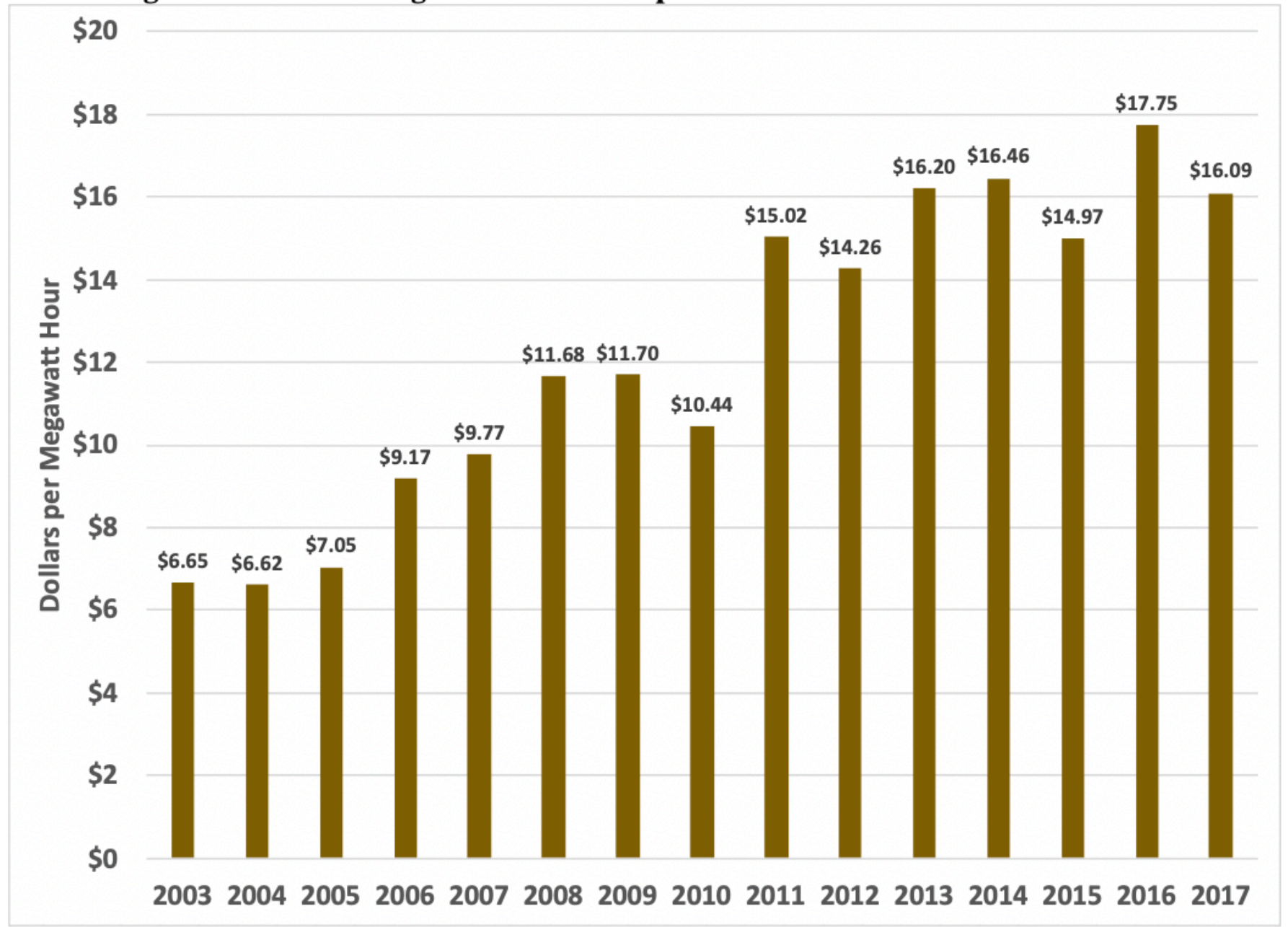




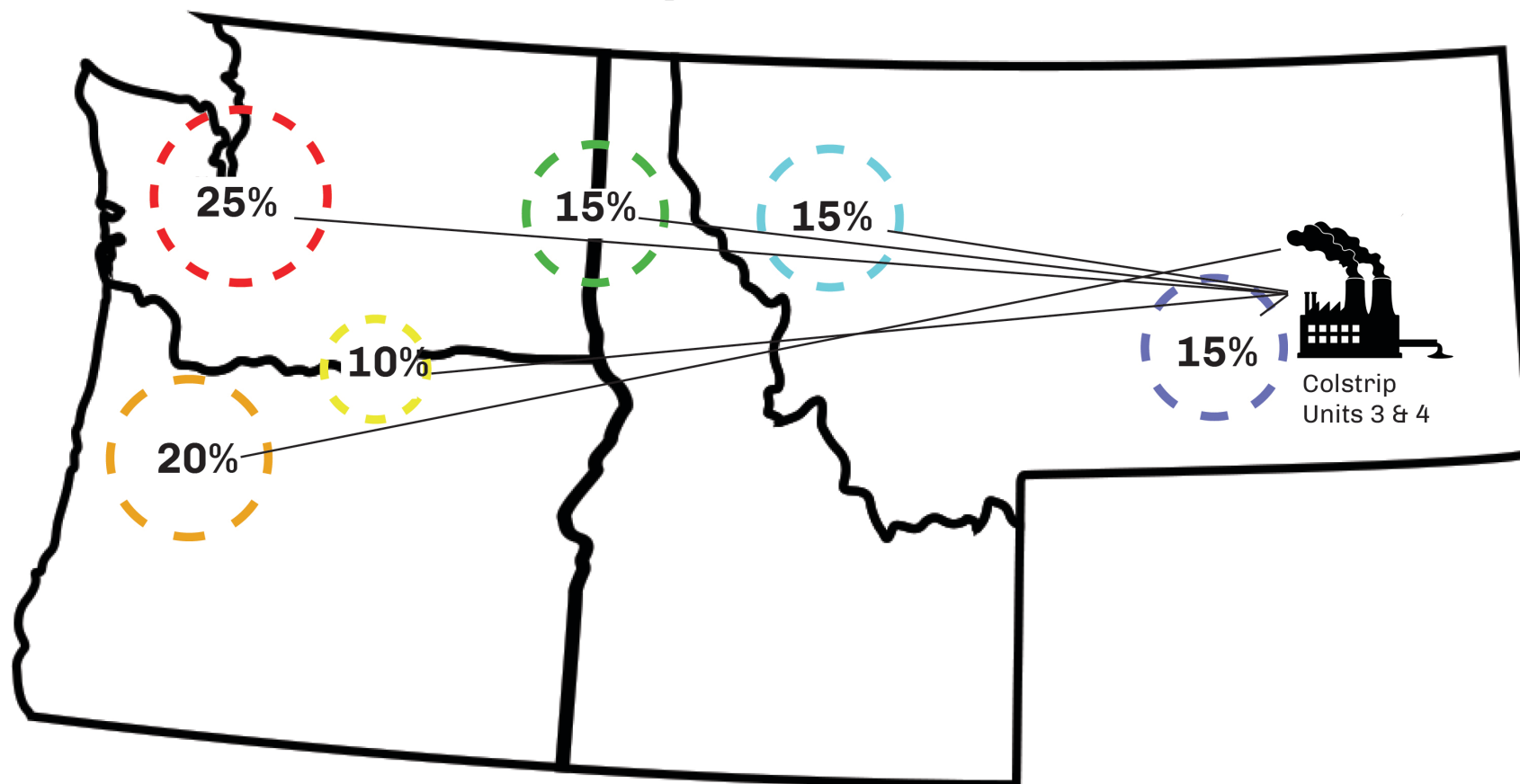
Figure 11: Average Annual Colstrip Unit 3 and 4 Fuel Prices³⁸





Why Colstrip's Future is So Complex

Colstrip Units 3 and 4



Puget Sound Energy



Pacificorp



NorthWestern Energy



Portland General Electric



Avista Energy



Talen Montana

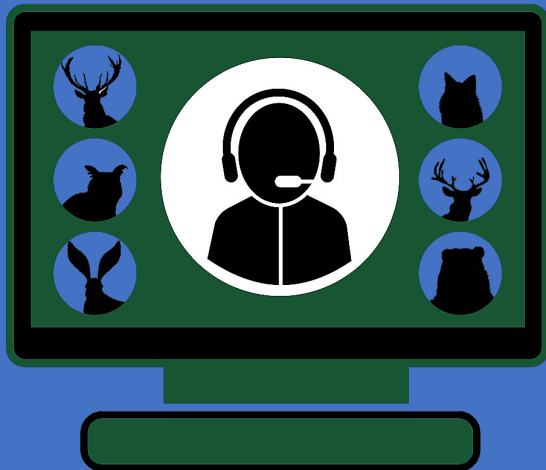


Questions & Answers

Using the “Chat” Function, please type in your question

For More Information or to join MEIC go to:

meic.org



**Join us
Thursday, April 9th, 4 pm
for
Colstrip 202**