## From Russia to the Rockies From Putin to Polis

Presented to:
Hart Energy's DUG Rockies Conference
Denver, CO

June 29, 2022



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## Politics & Markets for Natural Gas: From Russia to the Rocky Mountains

Presentation to:
Twelfth Annual Wyoming Natural Gas Fair
Jackson Hole, Wyoming

September 18, 2008 By: John A. Harpole





- Over reliance on renewables
- Retired coal and nuclear plants too early
- Under reliance on fossil fuels

## Is Colorado on the same path as the EU?

## **Comparative Forward Strips\***



### One-Year Forward Strip

NYMEX Henry Hub	\$ 5.947
LNG Japan/Korea Marker (Platts) Futures	\$33.894
Dutch TTF Natural Gas (USD/MMBtu) (ICIS Heren) Front Month	\$37.903

#### Three-Year Forward Strip

NYMEX Henry Hub	\$ 5.087
LNG Japan/Korea Marker (Platts) Futures	\$24.659
Dutch TTF Natural Gas (USD/MMBtu) (ICIS Heren) Front Month	\$26.519

<sup>\*</sup> Settled price as of June 28, 2022

## **Background Biography**



#### Vladimir Putin

- Born Leningrad, Soviet Union (now Saint Petersburg, Russia) 1952
- Graduated Leningrad State University (now Saint Petersburg State University)
   1975
- Joined KGB 1975
- Appointed as an advisor on international affairs to the mayor of Leningrad,
   Anatoly Sobchak 1990
- 2000-2004 First presidential term
- 2004-2008 Second presidential term
- 2012-2018 Third presidential term
- 2018-present Fourth presidential term
- Net worth estimated at \$200 billion

## **Background Biography**



## Jared Polis

- Born Boulder Community Hospital 1975
- Moved to La Jolla, CA at age 5
- Attended La Jolla Country Day School
- Graduated Princeton 1996
- Elected to Colorado 2<sup>nd</sup> Congressional District 2009-2019
- 4<sup>th</sup> wealthiest politician in the U.S.
- First openly gay governor
- Net worth estimated at +\$400 million
- Sold his parent's company in 1999 for \$780 million
- Sold his company, ProFlowers, to Liberty Media for \$500 million in 2005

## **What triggered Polis?**





## How It All Started.... the real reason?





On July 22, 2013, Polis filed a complaint in Denver District Court seeking a restraining order on a drilling rig near his vacation home in Weld County.



After the rig incident, Polis promised, "It is over.... this part of our Colorado dream is over."



## **6 Common Characteristics**



- Step 1: Appropriate, consolidate, seize power
- Step 2: Crush your challenger, your rival, your adversary
- Step 3: Control the Public Narrative
- Step 4: Reign through terror, intimidation and uncertainty
- Step 5: Create a new society
- Step 6: Rule forever

## Step 1:



Appropriate

Consolidate

Seize Power



#### Russia and LNG

 When the Sakhalin II project is fully on stream, it will supply around 5% of the world's LNG and make a significant contribution to strengthening global energy security." (February 18, 2009)

• Sakhalin, formerly owned by Shell Exploration, was "*nationalized*" by Gazprom. Gazprom currently owns 51% of the project.

**April 4, 2009** 



## Kovykta Gas Field

- Reserves amount to 70 TCF of Natural Gas
- More than 600 million barrels of gas condensate
- 3-4 BCF gas/day





## History of Kovykta Gas Field (weaponize your regulatory agencies)

- 1987 Kovykta Gas Field discovered (enough natural gas to power Asia for 10 years)
- 1987 License to develop held by Russia Petroleum (Majority of RP owned by TNK-BP)
- 2003 2005 TNK-BP denied access to critical Gazprom pipeline
- June 2006 Top TNK-BP Engineer Enver Ziganshin murdered three days after meeting with Russia's EPA equivalent, Rospirodnadzor on compliance issues
- June 2007 TNK-BP offered to sell stake for \$700-\$900 million to Gazprom, but deal never materialized
- June 2010 Russia Petroleum filed for bankruptcy

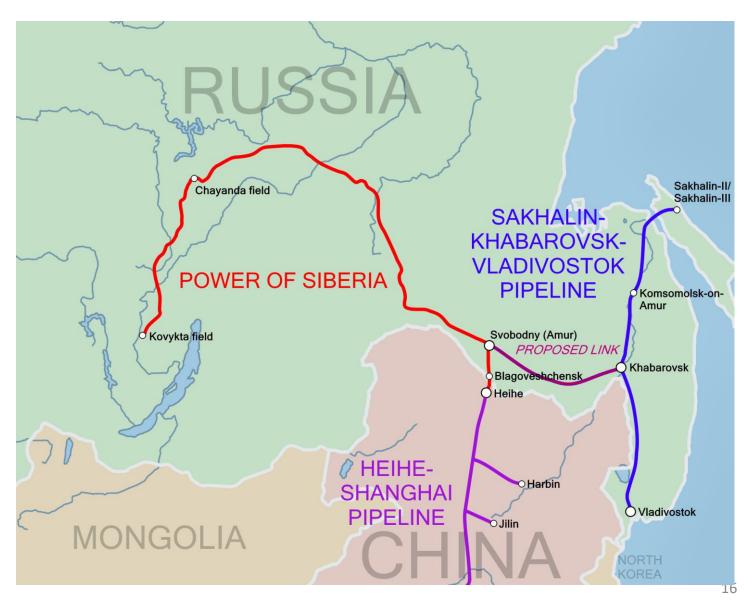


## History of Kovykta

- TNK-BP attempted to sell field to state owned Rosneft but failed
- March 2011 Gazprom bought Russia Petroleum's assets, including Kovykta, for \$711 million
- May 2014 Russia and China sign \$400 billion 30-year gas supply agreement, Kovykta natural gas will be delivered to China via the Power of Siberia Gas Pipeline



#### **Power of Siberia Gas Pipeline Map**



Source: wikipedia



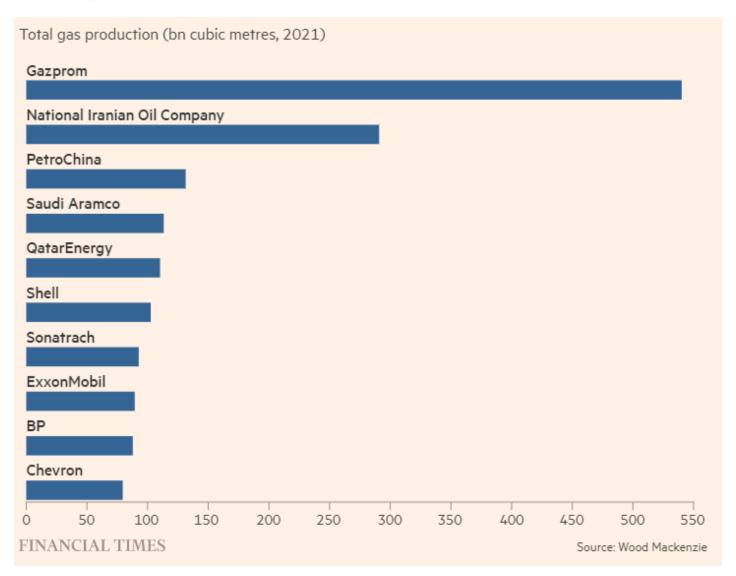
# Rosneft and Gazprom represent 25%-40% of Russia's budget







### The 10 largest gas companies





## "Polis may prove Colorado is for sale after all."\*

- 130 X... Polis spent \$1.3 million on a State Board of Education race his opponent spent \$10,000 (margin of victory 90 votes out of 1.3 million total votes cast).
- 3 X... Polis spent \$5.3 million in his primary race vs. Joan Fitz-Gerald (spent \$1.8 million)



## "Polis may prove Colorado is for sale after all." \*

- \$12 million amount Polis spent on Democratic primary race for governor.
- 17 X... amount Polis spent in governor race against Walker Stapleton (\$23.4 million)
- 97.9%... the percentage amount Polis contributed to his first governor's race out of his own pocket (\$23.4 million in total)



Piceance Basin of Colorado (weaponize your regulatory agencies)

June 4, 2019

Colorado withdraws support for natural gas exports for international markets

-Denver Business Journal

7-year effort to link Colorado's Piceance Basin to Asian gas buyers to create international markets of Colorado gas is discontinued by Polis Administration

USGS concluded in 2016 that Colorado's Piceance Basin holds 66 TCF of recoverable natural gas

"We are no longer actively involved in this energy project," said Will Toor, executive director of the Colorado Energy Office



Piceance Basin of Colorado (weaponize your regulatory agencies)

June 4, 2019

Colorado withdraws support for natural gas exports for international markets

-Denver Business Journal

Polis "would prefer Colorado move away from commodity-priced fuels in favor of more stable renewable energy..."

Polis established a goal of having Colorado's economy free of fossil fuels and rely 100% on renewable energy by 2040.



Piceance Basin of Colorado (weaponize your regulatory agencies)

June 4, 2019

Colorado withdraws support for natural gas exports for international markets

-Denver Business Journal

"From our perspective, the move that needs to be made is toward renewable energy generation," he said, in an interview with the Denver Business Journal. "The cuts that are needed are far deeper than moving from one fossil fuel to another. You need near-zero emissions to get there."



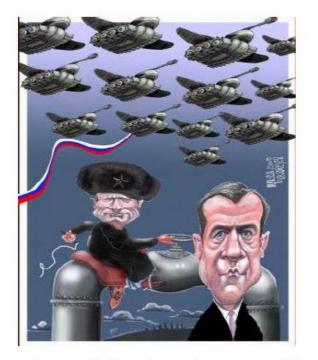
(Weaponize your regulatory agencies)



Why trust Russia? History should have been the lesson.

## Russia's Energy Muscle

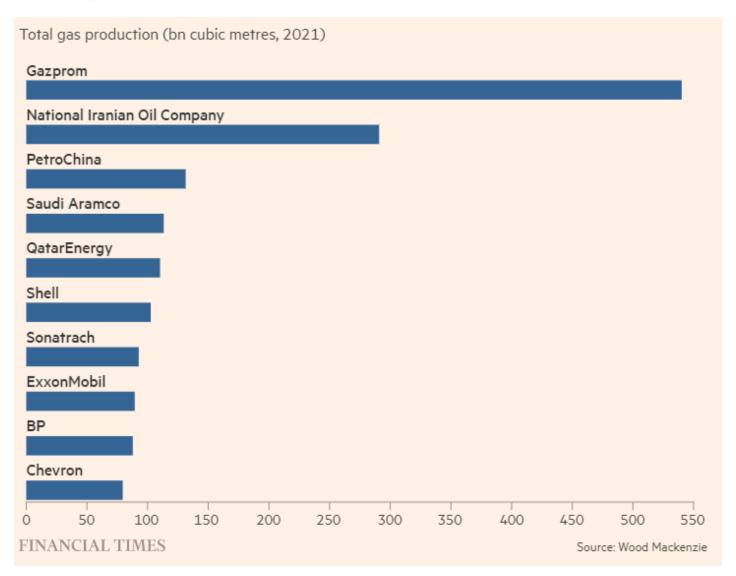
 Energy Used Over 55 times Against Former Soviet Nations Since 1990







### The 10 largest gas companies





#### **Merkel's Major Mistake - Trusting Putin**



Angela Merkel, Chancellor of Germany from 2005 to 2021





Gerhard Schroeder, Chancellor of Germany from 1998 to 2005



#### **Gerhard Schröder Bio**

Title	Term	Income
Chancellor of Germany	1998 – 2005	? currently receives \$9,000/month stipend
Nord Stream I Chairman/Shareholder	2005 – 2022	\$270,000/year
Nord Stream II Board Member	2011 - ?	?
Rosneft Board President	2017 – present	\$600,000/year
Gazprom Board Member	2022 - ?	?



# Rosneft and Gazprom represent 25%-40% of Russia's budget







## **Has Europe Banned Russian Natural Gas?**

## The SWIFT Bank Exception

Two banks exempted from SWIFT bank sanctions:





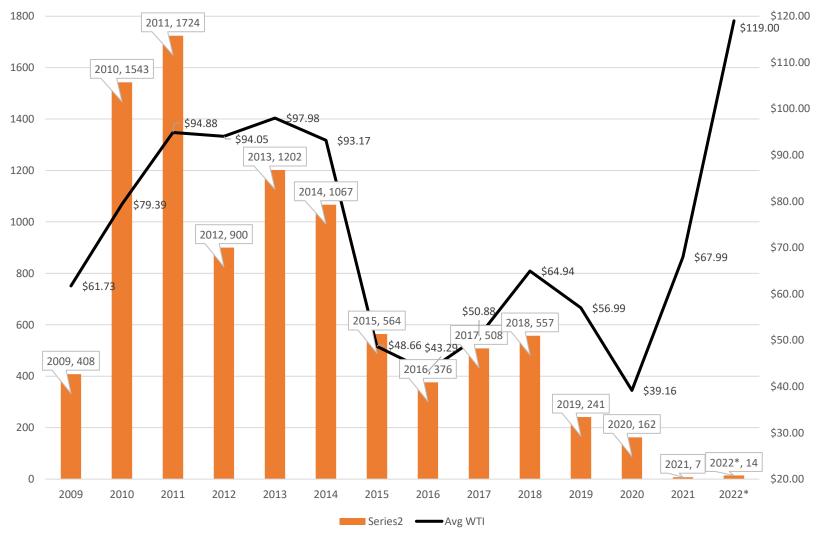


## As European Leaders Visit Kyiv, Putin Cuts Their Gas Supply\*





## **Colorado Approved Location Permits by Year**



Source: COGCC



34

- Adopted and began to implement a zero CO2 emissions by 2040 policy
- In 2014, as a Colorado Congressman, Polis paid for and sponsored two anti-Oil and Gas ballot initiatives (Coloradans for Safe and Clean Energy).
- Appointed Boulder Attorney Jeff Robbins (an anti-oil and gas activist) to be Chairman of the Colorado Oil and Gas Conservation Commission.
- Refused to send "Exception Letter" to EPA on ozone nonattainment standard, triggering significant regulatory and mandated control over Oil and Gas Industry.

Source: COGCC



 Senate Bill 181 sponsored and signed into law by Governor Polis (effectively ratchets Colorado's Oil and gas industry into non-existence)

## SB181 Impact:

- -Oil and Gas Industry estimates its economic impact at \$30 billion.
- -33,024 direct employee job losses in 2019
- -Added \$200 million dollars/year in new regulatory direct costs.
- Oil and Gas production is down 20% in Colorado since Polis took office



## Control the Public Narrative



#### U.S. Shale Revolution?



US LNG exports are a priority concern for Putin. US LNG bound for Europe undercuts Russia's domination of the European Gas Market.



#### Putin spends \$95 million on fracking disinformation campaign

Former NATO Secretary General Anders Fogh Rasmussen backs up the Romanian claim. He said in London recently,

"Russia, as part of their sophisticated information and disinformation operations, engaged actively with so-called nongovernmental organizations — environmental organizations working against shale gas — to maintain [Europe's] dependence on imported Russian gas."

- Former NATO Secretary General Anders Fogh Rasmussen



- Russia Today television ran endless anti-fracking stories, including one that said, "Frackers are the moral equivalent of pedophiles."





#### **EU Fracking Bans/Moratoriums Still in Place**

- 1. France
- 2. Bulgaria
- 3. Netherlands
- 4. Germany
- 5. Ireland
- 6. United Kingdom
- 7. Spain

The total population of these countries exceeds 350 million



# Polis Spin

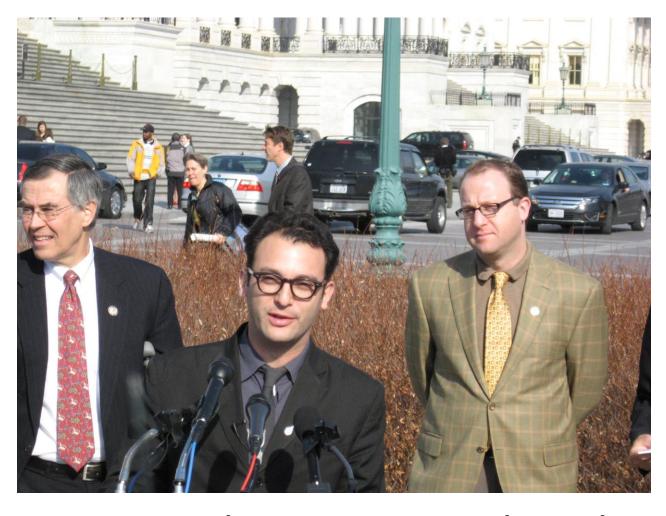
- After his 1<sup>st</sup> successful run for governor, he was asked if his race was, "An election or auction?"
- 98% of his gubernatorial campaign dollars raised (\$23.4 million) came from his own checkbook.
- "The other side will always have more money than the democrats, that's just a reality"- Jared Polis



# According to the Denver Post:

 "The Democratic congressman does not want to ban all drilling with hydraulic fracturing, he insisted- and even compared those who do to fringe groups seeking to outlaw fluoride in water."





Congressman Polis appears with Josh Fox the Producer of the Ban-Fracking movie "Gasland"



# Polis Spin Circa 2014

• In a July 16th, 2014 statement, Rep. Polis said these initiatives will not harm the oil and gas industry, and even claimed they "will allow our state to continue to benefit from the oil and gas boom that brings jobs and increased energy security." In June, Rep. Polis said: "I think that like myself most Coloradans support fracking and the all-of-the above approach."



- Polis appoints new (in 2020) Colorado Oil and Gas
   Conservation Commissioners but ignores 4 critical issues\*
  - With respect to setbacks; the absence of any measured and confirmed scientific impacts within the setback boundaries.
  - The unimpeachable will of Colorado Voters who rejected nearly identical setbacks not two years ago.
  - The recommendations of the non-partisan COGCC staff.
  - The explicit stated directives of the prior governor who appointed them.



Reign through: Terror
Intimidation
Uncertainty



### **Question posed in 2009**

# **Energy Security?**

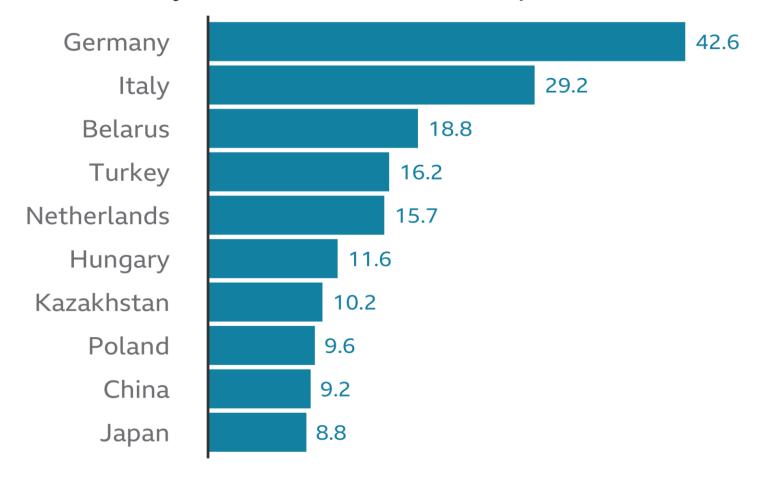
- By the year 2020, Gazprom will supply nearly 70% of the European Union's natural gas.
- Would you pursue a conflict with a country that you depend on for the majority of your energy needs?





#### Russia's gas exports

Countries by billion of cubic metres imported from Russia

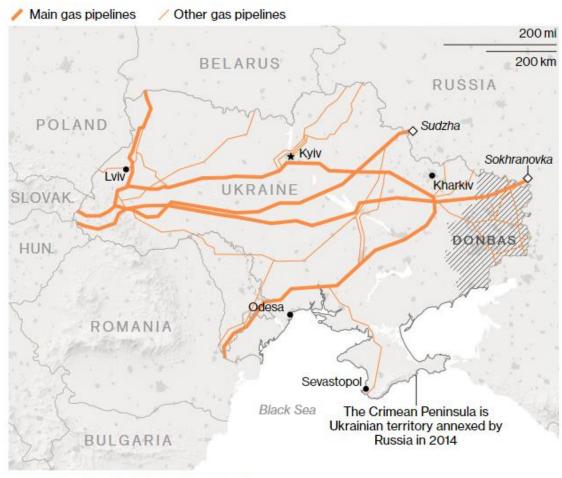


Source: IEA, Data for 2020





#### **Natural Gas Runs Through Ukraine**



Source: The Oxford Institute for Energy Studies
Note: Only the portion of pipelines that run through Ukraine are displayed on the map



#### Why was Nord Stream I so important?

# Linking the Super Powers





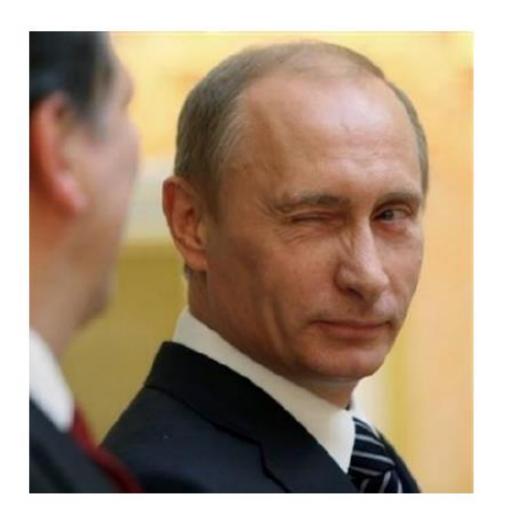
#### **\$35.4 Billion Demanded in Letter to EU**

#### Bloomberg

Putin Calls on Europe to Aid Ukraine or Face Gas Supply Risk



Putin warns Europe about Ukraine gas debt





#### **Germany's Angst**

Germany's pursuit of peace in trade with Russia failed

"Roughly half of Germany's homes rely on natural gas for their heating, and 55 percent of the country's gas comes from Russia."

A near-term cut-off of Russian gas supplies to Germany could cost their economy \$120 billion. Germany would be rationing natural gas.



#### **Germany's About Face Gives Hope**

"We must change course to overcome our dependence on imports from individual energy suppliers."

- Chancellor Olaf Scholz

This will include building two liquefied natural gas (LNG) terminals, one in Brunsbuettel and one in Wilhelmshaven, and raising its natural gas reserves.



• June 23rd, 2022, Germany Triggers Gas Alarm Stage, Accuses Russia of 'Economic Attack'

"We must not fool ourselves: The cut in gas supplies is an economic attack on us by (Russian President Vladimir) Putin", "Germany's Economy Minister Robert Habeck."\*



 As Russia Cuts Gas, German Industry Grapples with Painful Choices

• FRANKFURT, June 23 (Reuters) - The German companies that drive Europe's biggest economy are contemplating painful cuts to their output and resorting to polluting forms of energy previously considered unthinkable as they adjust to the prospect of running out of Russian gas.







"Let's not kid anybody," said Leon Panetta, "Putin's main interest is to try and restore the Old Soviet Union. I mean that's what drives him."



 Legislation calls for a 26 percent reduction in emissions by 2025 and a 50 percent reduction by 2030. Those targets are measured against Colorado's 2005 emissions.



"This is by far the most ambitious and expansive planning document that Colorado has ever produced on climate change," Polis said.



# COLORADO AIMS TO "ELECTRIFY THE HECK" OUT OF EVERYTHING, GAS STOVETOPS POTENTIALLY TARGETED

"A swift transition from natural gas-fired power sources to electrification has become a top priority for Colorado Gov. **Jared Polis** as leading officials in his administration aim to stop fossil fuel use by consumers. Such a move raises the specter of higher costs for consumers and other impacts, especially if they lose access to popular home appliances like gas stovetops."\*



# Rule Forever

#### **Rule Forever**



Vladimir Putin passes law that may keep him in office until 2036

"The Russian president signed the legislation on Monday, ending a year-long process to "reset" his presidential terms by rewriting the constitution through a <u>referendum-like</u> <u>process</u> that his critics have called a crude power grab."



# **Jared Polis**

# <u>Term</u> 2001

2001-2007- State Board of education

2009-2011- Colorado U.S. House 2<sup>nd</sup> District

2011-2013- Colorado U.S. House 2<sup>nd</sup> District

2013-2015- Colorado U.S. House 2<sup>nd</sup> District

2015-2017- Colorado U.S. House 2<sup>nd</sup> District

2017-2019- Colorado U.S. House 2<sup>nd</sup> District

2019-present- Governor of Colorado



# **Polis Steps Into National Spotlight\***

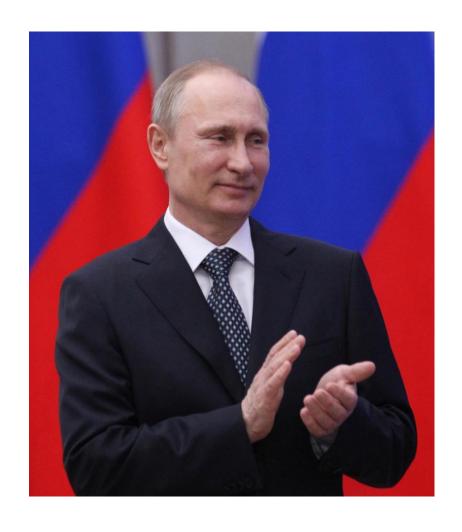


If Polis wins another term as Colorado Governor and two terms as U.S. President he will be in office until 2034, meaning he would be in public office for a total of 33 years.\*

Source: John Frank, Axios\*

# **Economic Terrorism?**







#### The 6 Characteristics



What Type of People Share Those 6 Characteristics?

- A tyrant
- An Autocrat
- An Ideologue



- Colorado, under Jared Polis' Leadership is creating a new CO2-free society following the same path that Putin encouraged Germany and the EU to follow.
- Can't we learn from mistakes made by the EU and more specifically Germany?



The far green left still doesn't understand scale.

Daniel Yergin: "... this is a \$90 trillion world economy that gets 80% of its energy from hydrocarbons. It's not going to change overnight."

# "Carbon Free by 2030"

#### **Contact Information**



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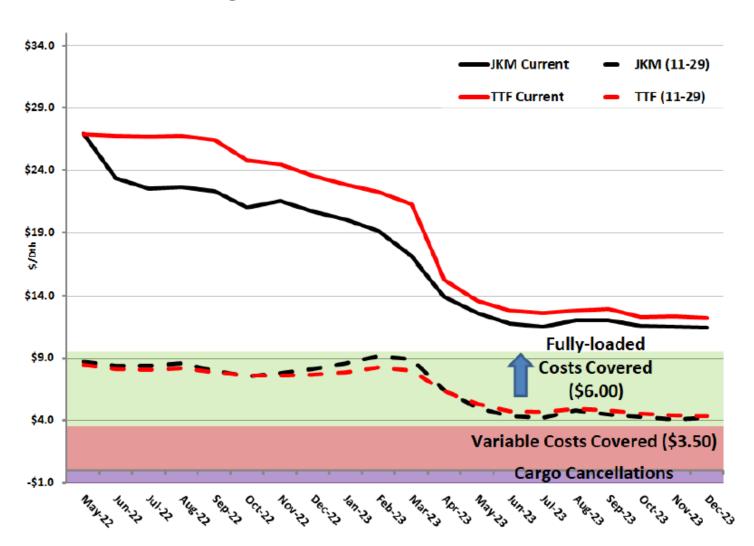




#### KINDER MORGAN

#### **LNG Export Trends**

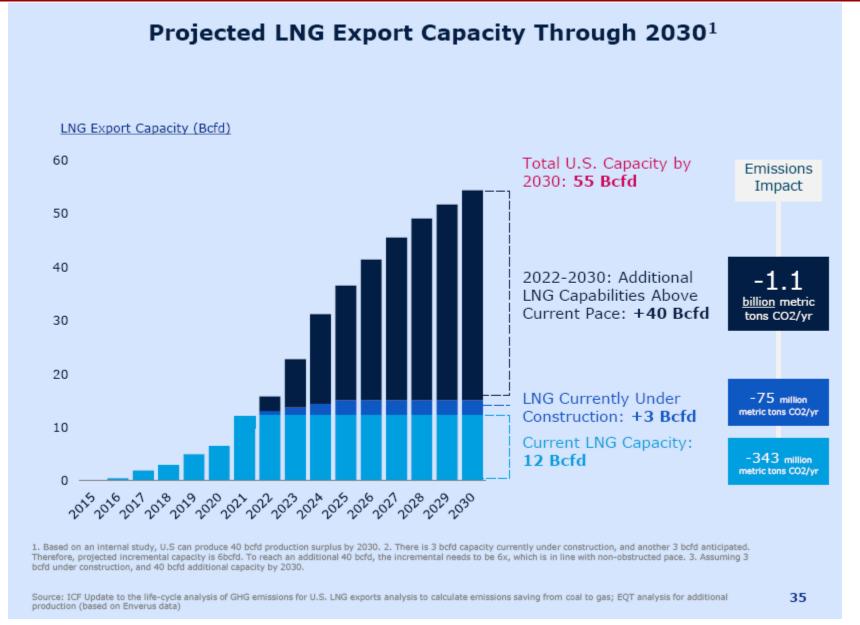
Near Term Outlook Margins



Margins through '23 well above fully loaded costs. Supply demand balance remains tight due to greater demand in Asia and Europe. Competition for cargos between Asia and Europe and Russia/Ukraine conflict sustaining elevated prices in both markets.

Nord Stream 2 will not enter service for the foreseeable future with current situation in Europe





# **European LNG infrastructure**





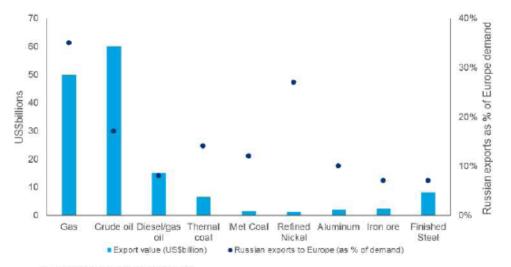


KINDER MORGAN

#### LNG Export Trends

#### Russian gas supply to Europe and China

#### European exposure to Russian commodity imports and its monetary value (2021)



#### RUSSIAN GAS LINKS TO CHINA



- Russian gas and oil have a significant share of the EU Mkt.
- Russian gas supplies ~38% of European demand
- Russia supplies ~50% of Germany's demand and ~30% of Italy's demand
- May be limits to increase pipe supply from non-Russian sources
- Russian piped gas flows to Europe on the following routes;
- Nord Stream 1 flowing at capacity 5 Bcfd
- Nord Stream 2 (uncertain outcome), capacity of 5 Bcfd
- Yamal (via Poland) capacity of 3.2, not flowing at capacity
- 3 pipes thru Ukraine, capacity 8.1 Bcfd, limited flow currently due to higher cost of transport. Russia has a 3.8 Bcfd flow or pay kt. with Ukraine thru '24
- TurkStream and Blue Stream (via Turkey to Italy /southern EU), capacity of ~3 Bcfd
- Russia currently supplies China and is looking to expand
- Russia supplies China via the Power of Siberia PL; 3.9 Bcfd, supplying ~7% of its gas demand
- In discussions to develop Power of Siberia 2, 5.1 Bcfd
- Entered into new long-term gas agreement with China's CNPC for 1 Bcfd

Source: S&P Global Platts, Gazpron