



September 23, 2015

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About PolyMet Mining

- Minnesota based
- Publicly traded (PLM / POM)
- Single project NorthMet
- Open pit mine and mill
 - 32,000 tpd production
- 20-year permit application
- Polymetallic resource:
 - copper
 - nickel
 - cobalt
 - platinum group metals (PGMs)





PolyMet Mining History

1940s

Duluth Complex discovered

1969

NorthMet discovery (US Steel)

1989

Acquires US Steel mining lease

2005

Acquires idle Erie Plant



PolyMet's mission

To permit, safely and responsibly build and operate a mining enterprise that produces essential metals, sustains and improves our way of life, protects our natural surroundings and returns value to those who have a stake in us.



Life without mining...

Metals are essential for our way of life

Metals have to be mined - recycling is not enough

The question isn't "if" we mine – BUT – "Where and how" do we mine?



Essential metals for modern society

Copper



Electric Cars

Platinum



Catalytic Converters

Nickel



Medical Instruments

Palladium



Cancer Treatment

Cobalt



Joint Replacements

Gold



Computer Components



Essential metals for green energy

- Up to 10,000 lbs. Cu
 in a single wind turbine
- Avg. 2,300 lbs. Cu each in electric buses, trolleys, subway cars

• 64 lbs. Cu in a Toyota Prius



Taconite Ridge, Virginia, MN





NorthMet deposit – potential

• 20 year mine plan = 3.6 billion pounds copper equivalent

Measured & indicated resource =
 10.3 billion pounds copper equivalent

 Global resource = 15.4 billion pounds copper equivalent



Economic benefits and job creation

\$515 million

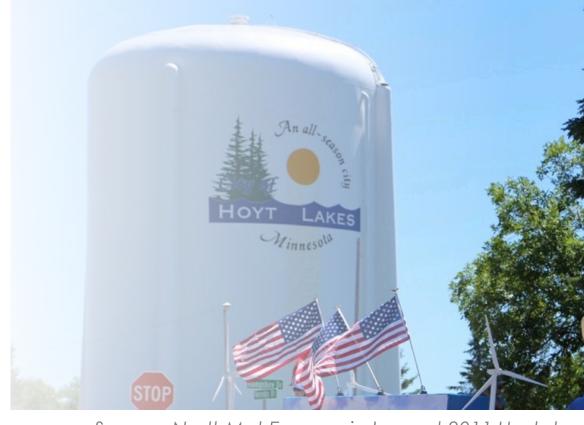
annual economic benefit

1000 jobs

direct and spinoff

2 million hours

construction labor - PLA



Source: NorthMet Economic Impact 2011 Update
University Of Minnesota Duluth
Labovitz School of Business and Economics



Annual wage comparison



Mining supports families and strong communities

*Annual salary data from Positively Minnesota – DEED **Living Wage data in St. Louis County from MIT – livingwage.mit.edu



Project investment since 2006



44 million wages and consulting

88 million environmental (permitting)

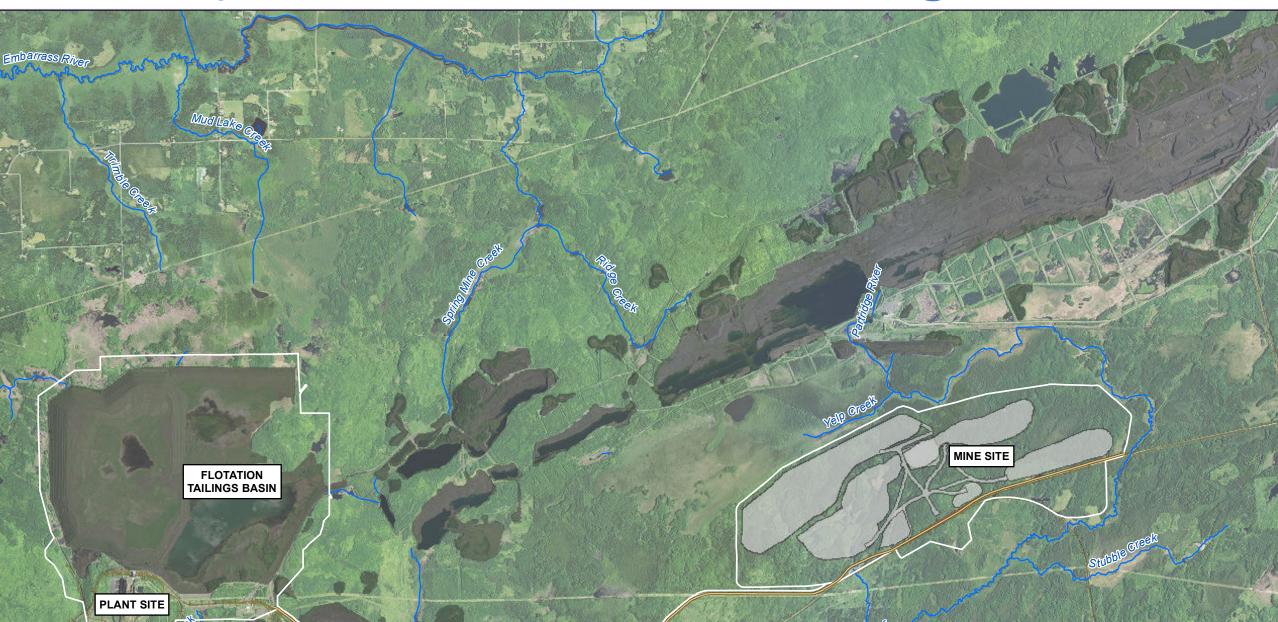
111 million other (mine plan, mill, mineral rights, etc.)

243 million total

What's the plan?



Open new mine in mining zone



Reuse existing infrastructure

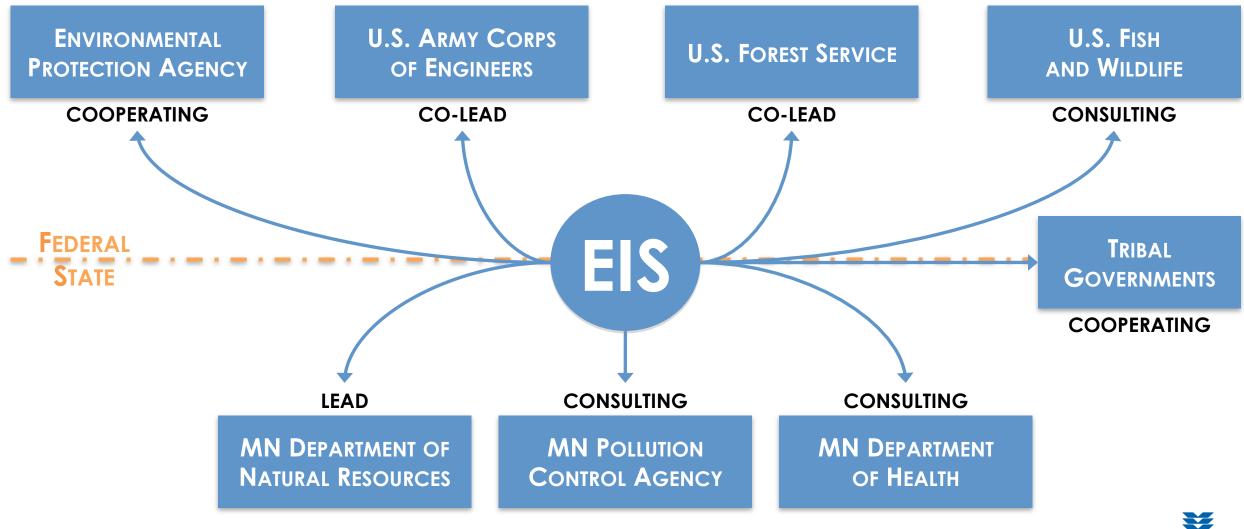


What's next?

Project status



Environmental Review



Positive EPA letter (June 22 PFEIS)

Aug 5, EPA letter states:

"The PFEIS reflects many improvements to the project, and to the clarity and completeness of the environmental review."

"Our extensive discussions with the co-lead and cooperating agencies have helped to resolve virtually all of our previous comments.."

Path Forward:

Complete Environmental Review and Permitting

DNR (MEPA Review)

- FEIS (Nov 2015)
- Adequacy Decision (Feb 2016)

USFS

- FEIS (Nov 2015)
- Record of Decision
- Execute Land Exchange

USACE

- FEIS (Nov 2015)
- Record of Decision
- Issue CWA
 404 Wetland
 Permit



Major State Permits

DNR
Permit to
Mine

Wetlands

MPCA

Air

NPDES/ SDS

401 Wetland Certificate

