Appendix 4-K

Coal 101 Presentation - Elk Valley Métis – April 2021

NWP Coal Canada Ltd

Coal 101

Elk Valley Metallurgical Coal

April 7, 2021

Elk Valley Metis Association

Agenda

1. About Coal
2. Coal Mining and Processing
3. Environmental Considerations
4. Questions / Discussion

About Coal

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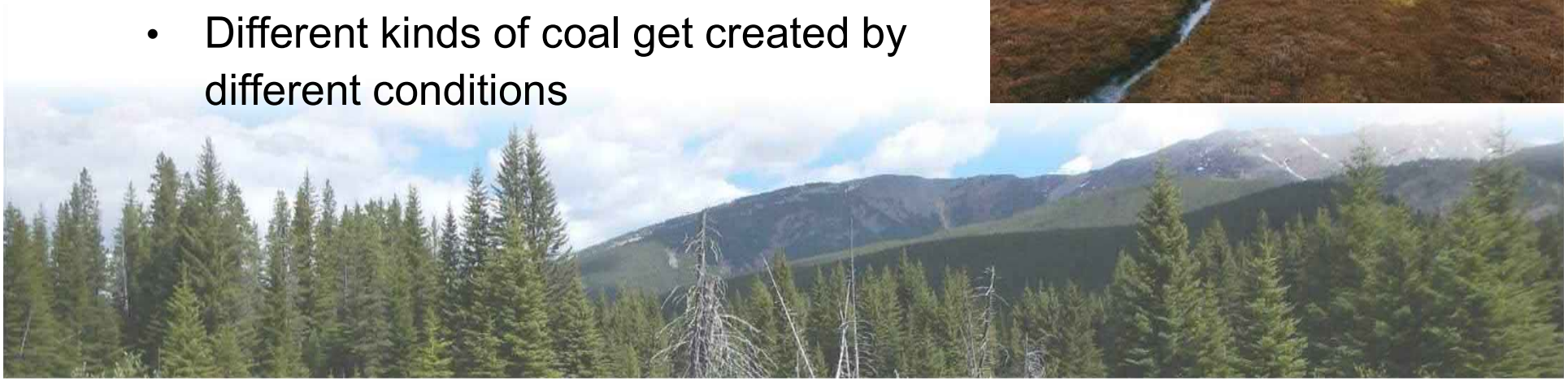
Coal Formation

- Millions of years ago, plant material fell into shallow water
- Thick layers built up over many centuries
- Various changes buried the plant material deep in the earth
- Pressure, heat, and time converted the plant material into coal
- Different kinds of coal get created by different conditions



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Metallurgical Coal

Expands as part of coking process

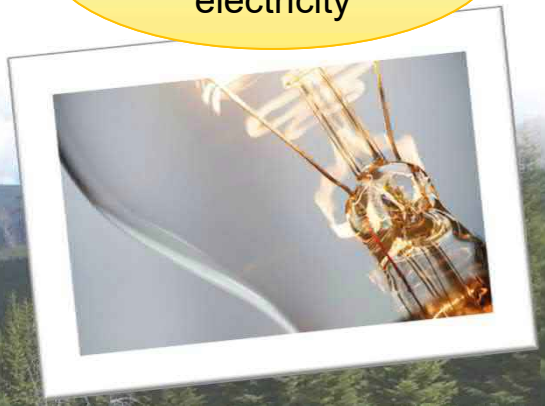
A key part of the steel making process

Crown Mountain Coking Coal Project is metallurgical coal

Thermal Coal

Doesn't expand if coked

Burned to produce electricity

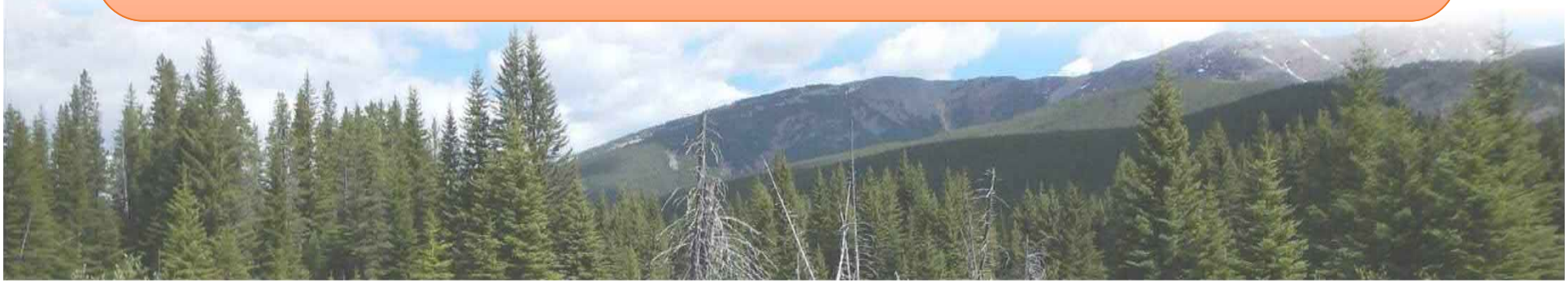


Metallurgical Coal Facts

- Raw coal is converted into Coke
- Coke is added to a blast furnace when converting iron ore to iron as part of the steel making process
- 770 kg of raw coal is used for 1,000 kg of iron
- Primary market for metallurgical coal is Asia and India

High quality metallurgical coal, like that from Crown Mountain, will be used to make high quality steel for:

- *Automotive manufacturing*
- *Highspeed trains*
- *Tools and equipment*



Elk Valley Coal

- Source conditions created both metallurgic coal and thermal coal
- Mountain building processes lifted coal to near the surface
  - The processes also bent, cracked (faulted), and altered the coal…

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Coal Mining and Processing

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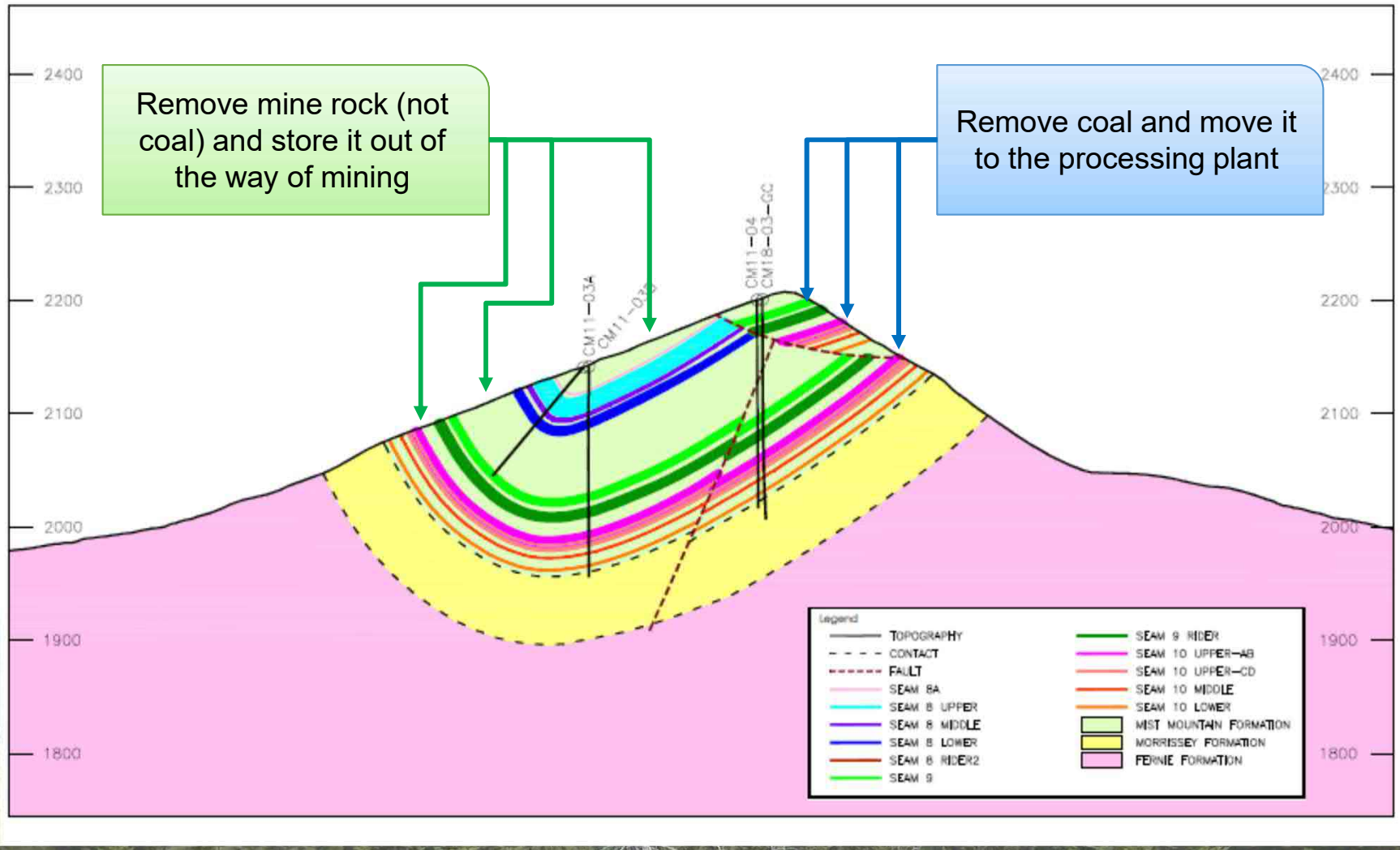
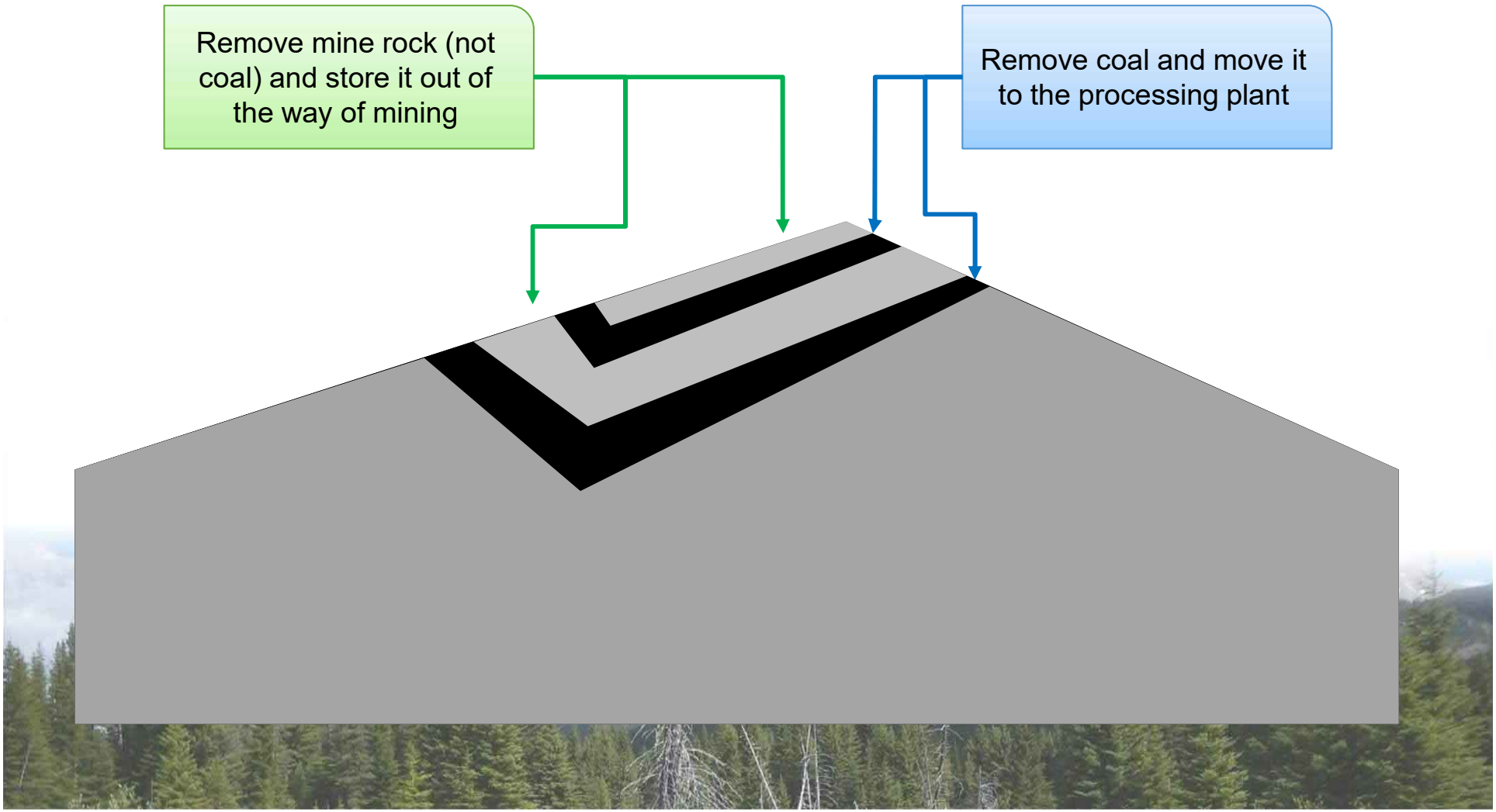
Mining Coal

Actual cross section from Crown Mountain Coking Coal Project



Mining Coal - Simplified

Simplified theoretical cross section



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Mine Rock	Coal
Drill and blast	
Large Shovel	Wheeled Loader
Haul Truck	Haul Truck
Long term storage	Processing Plant

Coal Processing - Simplified

Coal from the mine

Processing Plant:
- Clean the coal to remove rock, silt and clay

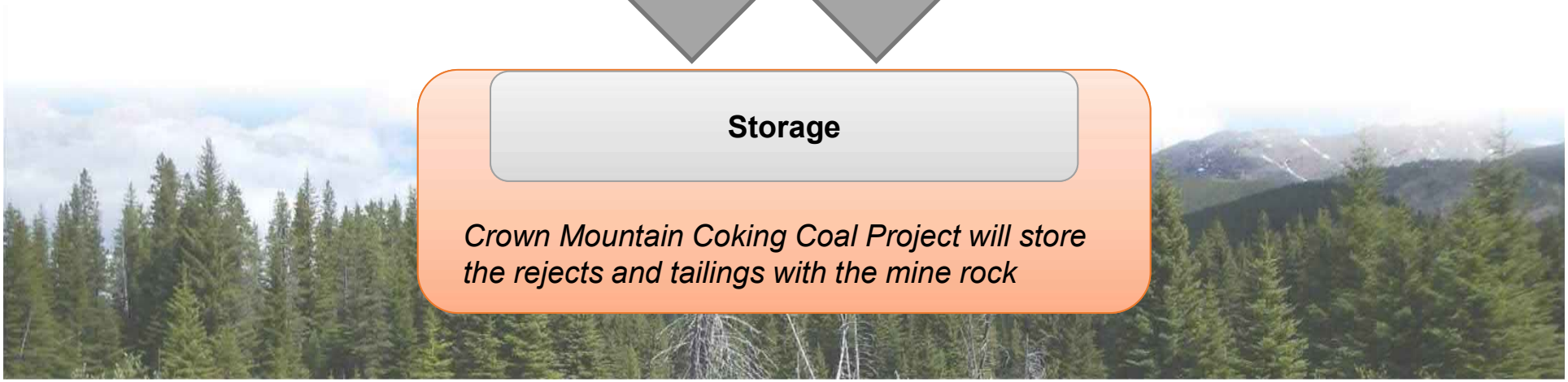
Clean Coal to Market

Rock – 'Rejects'

Silt and Clay – 'Tailings'

Storage

Crown Mountain Coking Coal Project will store the rejects and tailings with the mine rock



Environmental Considerations

Important Factors

- Water, wildlife, habitat, cumulative effects, climate
- Indigenous use, knowledge, rights, and title
- Trappers, hunters, recreation, industry

Environmental Efforts

Environmental Approval and Permitting

Operations

Closure

Engage
to understand and learn

Assess, measure, and model
to understand and predict

Design and plan
to avoid, minimize, or mitigate

Offset
for residual effects

Monitor and adjust
to identify and rectify problems

Reclaim
to give the land and water back to the wildlife, the ecosystems, and the land users (*especially Indigenous peoples*)

Questions and Discussion

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