



BLV Stakeholder Meeting

November 26, 2019

STONEY TRAIL AGGREGATE RESOURCE

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BLV GROUP

BURNCO

LAFARGE

Volker Stevin
Contracting Ltd.

Alberta
TRANSPORTATION

Background

STONEY TRAIL AGGREGATE RESOURCE

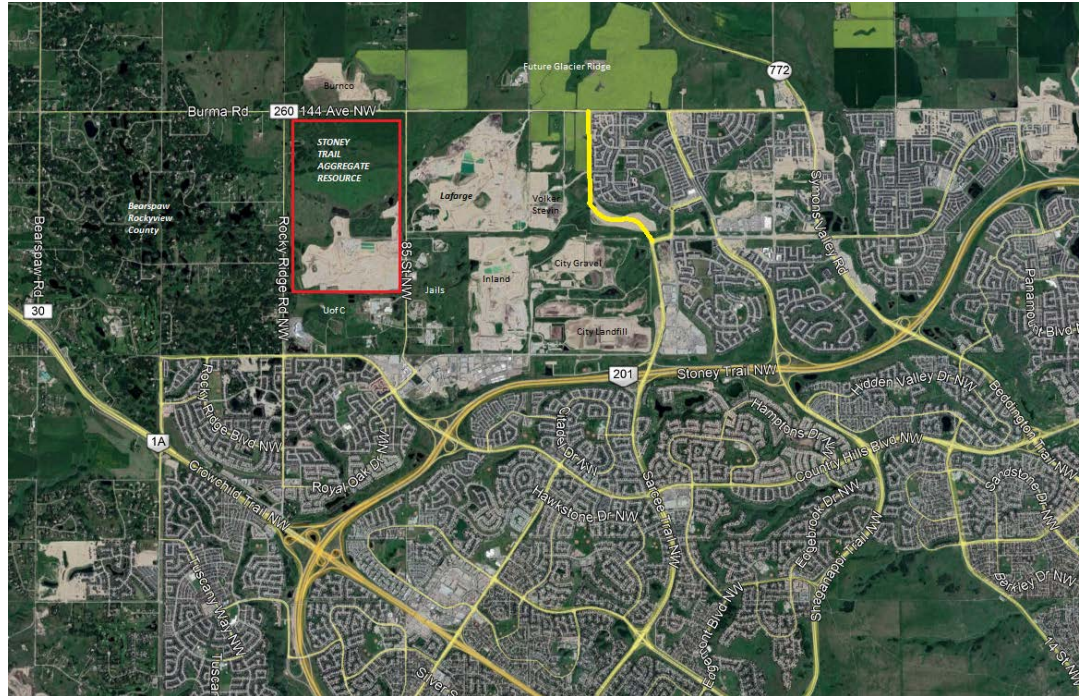
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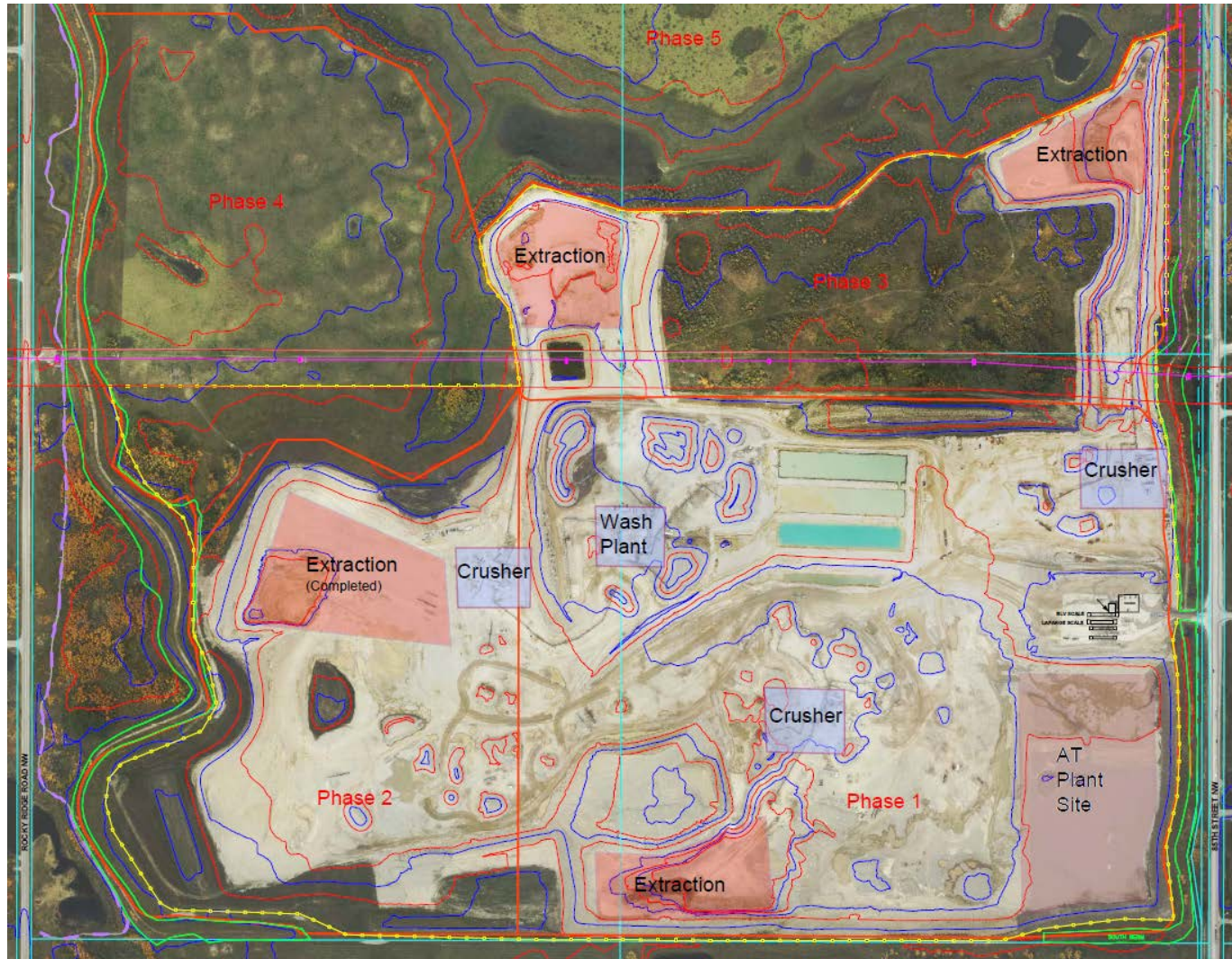


In operation since 2006 on 960 acres of provincially owned lands with ~90Mt of reserves
Managed by BLV Group under contract with Alberta Transportation. ~25Mt mined to date
Code of Practice approval with Alberta Environment
BLV Group a production joint venture of BURNCO, Lafarge and Volker Stevin
BLV Site Personnel – Bruce Whale – Manager & Wes Koyzan - Foreman

2019 Operations

- 3 Crushers and 1 Wash Plant in Operation. Small impactor onsite for a month
- 4 Extraction areas – 1 completed and mostly backfilled – 3 currently active
- Opened access to Phase 3 – mined two extraction areas
- Volume Forecast of 2.7 MT – flat to 2018
- No Alberta Transportation Contractor on site
- Completed Natural Gas rehookup for AT Asphalt Plant Site
- Reclaimed – 1.4 ha topsoil & seeded

2019 Operations



2020 Operations

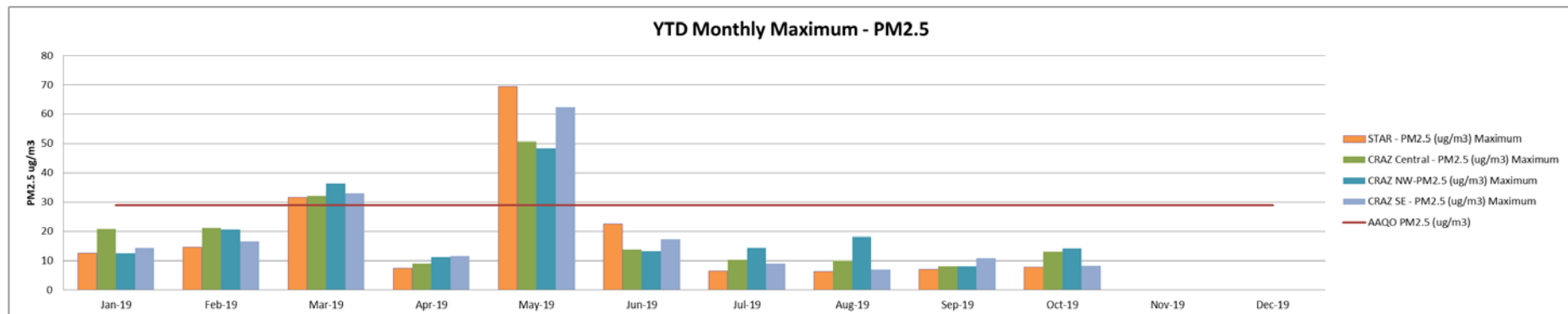
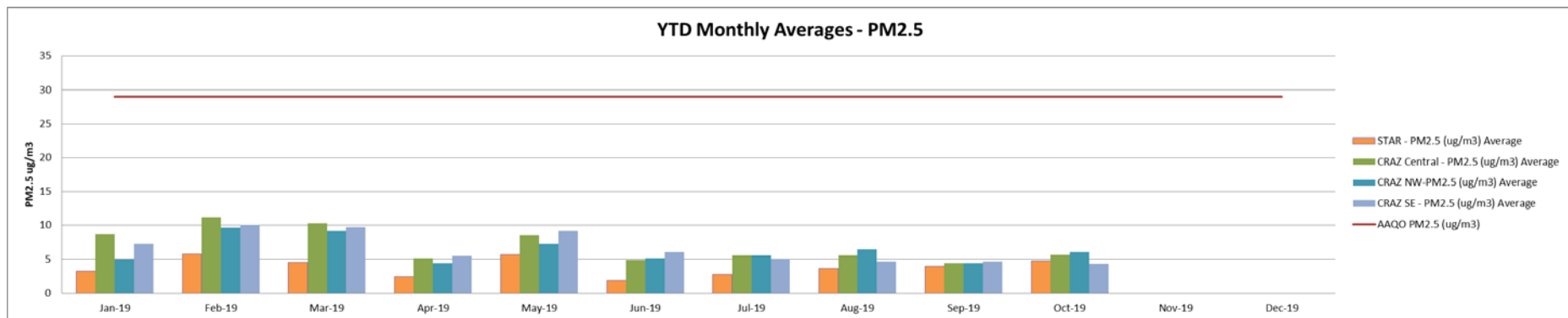
- Volume Forecast anticipated to be flat as economy continues to struggle
- No Alberta Transportation Contractor on site anticipated
- 3 Crushers and 2 Wash Plants. Addition of small Portable Wash Plant to reprocess waste materials into speciality products
- 1 Crusher pit move to the northeast. Operate in 2 Extraction areas.
- Annual Stripping (~ 5 ha) of extraction areas in Phase 3.
- Planning & development work in Phase 4
- Reclamation Work – anticipate 25 ha of filling, grading, topsoil & seeding

2020 Operations



Air Monitoring

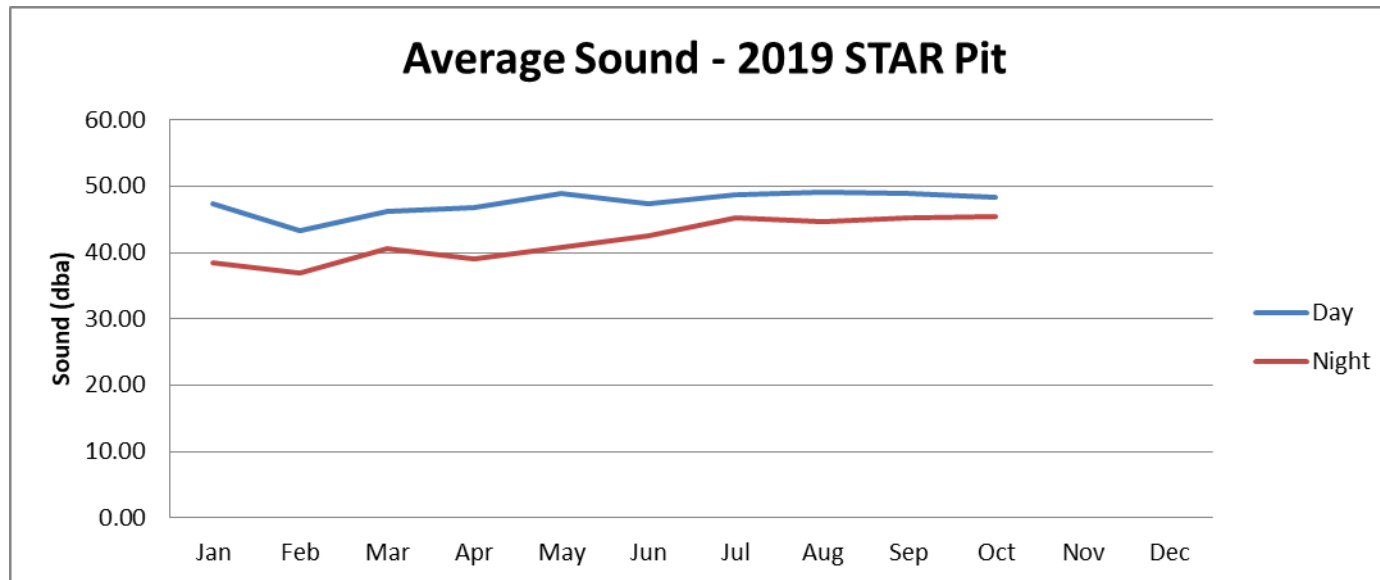
- Air data favorable to guidelines and CRAZ comparables



- Maximums on March 23 and May 30 & 31 related to smoke events from fires

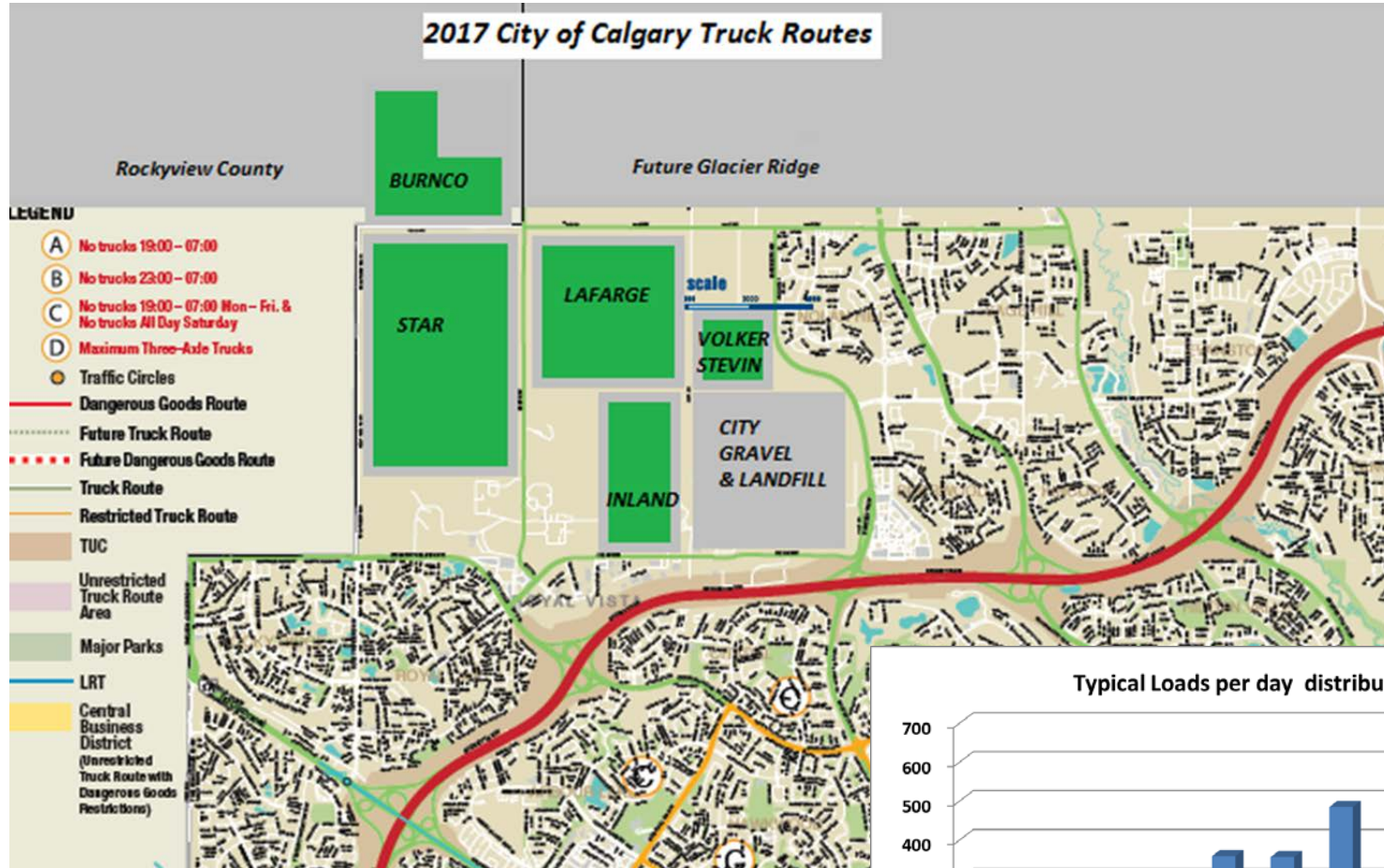
Sound Monitoring

- Sound data within the berms generally favorable to targets – Day: 65 dba Night: 50 dba

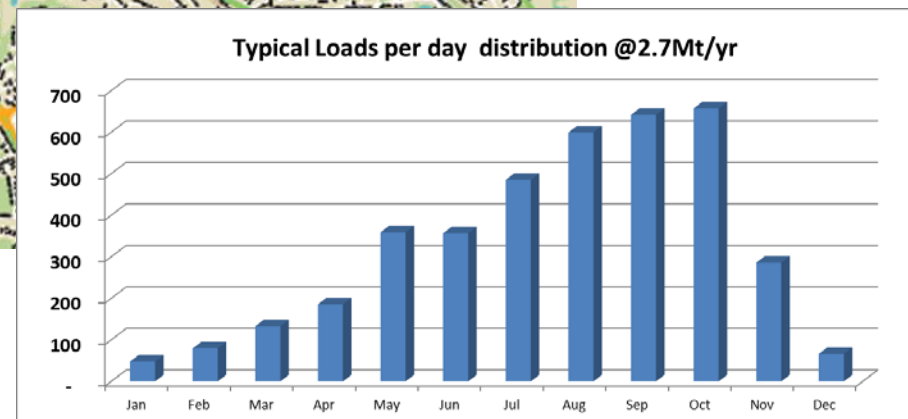


- Increased production during summer and fall months to meet demand increases night sound and number of sound events

Trucking



- STAR – ~93,500 loads per year @ 2.7Mt
- Shipping peaks in Sept, Oct and 1st half of Nov
- 85St to 112Ave morning right turn ban - ~\$300/year impact on STAR volumes



Mitigation Measures

- Sound and air monitors are utilized in to provide guidance on site performance. Monitoring data is published to a public website
- Processing equipment shrouded or damped with noise/dust reducing baffles and orientation towards product stockpiles and berms
- Dust was controlled on main internal roads through full time water truck
- Upgraded 85 Street intersection with regular sweeping of entrance when shipping activities are occurring
- The exit from the scales is paved to control dust and reduce noise
- Plants use dust suppression systems utilizing water sprays at transfer points and operations cease when wind speeds exceed 75 km/hr.
- Super-stackers are used for stockpiling at crushers. Super-Stackers allow the conveyor to move up and down and in and out thus reducing the drop height of the product being made, and allows for less dust to be created
- Reclamation of open areas not required for operations

Mitigation Measures

- Site volumes contribute ~\$1M annually towards City of Calgary Community Aggregate Payment levy.
Funds used for haul route sweeping program and road maintenance & improvements
- Use of Central Truck Registry and IVMS systems to reinforce driver behavior
- Hauler education and awareness on proper loading, tarping and sweeping of loads
- Pursuing additional opportunities with City of Calgary:
 - include Central Registry/IVMS requirements for all haulers in City contracts
 - CAP funded truck bylaw officer to increase compliance
 - Increase CAP funded sweeping from 3 times/wk to 5 and include sidewalks
 - 85 St left turn to 112 Ave & 112 Ave to Sarcee improvements to encourage use
 - further improvements at 112 Ave / CHB
 - CAP levy Committee: target communities most affected by gravel industry

Questions



Attendees- Nov 26th:

- Mike Edwards
- Don McKinnon
- Gregory Hartzler-Ward 2
- Ralph Smith – Ward 1
- Stephen Key – City of Calgary
- Wes Koyzan – BLV Group
- Bruce Whale – BLV Group

Attendees –Nov 25th:

- Nicole O'Brien – UofC
- Greg Boorman – UofC