



3 July 2018

## TENAS METALLURGICAL COAL PROJECT DESCRIPTION AND PRODUCTION TARGET FINALISED FOR DEFINITIVE FEASIBILITY STUDY AND PERMITTING

---

### SUMMARY OF KEY COMPONENTS OF THE TENAS PROJECT DESCRIPTION

- Total coal resource of 36.5 million tonnes.
  - Of that total, an estimated 23.7 million tonnes of coal will be mined.
  - Yield of 71% for an 8% ash product, recovering around 16.8 million tonnes of saleable coal.
  - Production rate of 750,000 saleable tonnes per annum.
  - Mine life of 22 years.
  - Predicted average strip ratio of 3.2:1 BCM/ROMt.
  - Estimated start-up capital expenditure of approximately US\$61.8M.
  - Estimated FOB operating cash cost of approximately US\$55.8/t.
  - Revenue of US\$100 million per annum (US\$2.2 billion over mine life) based on a current selling price of US\$133.45/t.
  - EBITDA margin of US\$58.2 million per annum (US\$1.3 billion over mine life) based on a current selling price of US\$133.45/t and FOB operating cash cost of US\$55.8/t.
  - An estimated 75 employed staff and 150 contractors engaged over the mine life.
- 

Allegiance Coal Limited (**Allegiance** or the **Company**) is pleased to announce that, following completion of two pre-feasibility studies (**PFS**) in 2017 and several months of discussions with key stakeholders, it has finalised the Project Description for its Tenas Metallurgical Coal Project (**Tenas Project** or **Project**). The Project Description will be lodged with the relevant government agencies in August 2018 to commence the permitting process.

Mr David Fawcett, Non-Executive Chairman, commented:

*“We believe it was prudent to take the time to engage with First Nations, the broader local community and the various levels of government, before committing to a Project Description. This has enabled us to refine the Project to accommodate a variety of interests at an early stage of development, before we get too far*



*into the planning process to make changes, which in themselves can cause delays. We will continue to consult with all stakeholders as we advance the Project through the planning and permitting stages.”*

### **Background to Project Description and Production Target**

The Project Description will now be fed into the Tenas Definitive Feasibility Study (**Tenas DFS**) and formally submitted to the relevant government agencies in August 2018. The Tenas DFS is scheduled for completion Q4 2018.

Several important factors contributed to the Project Description:

- A clear indication from key stakeholders for the Tenas Project to participate in the British Columbia Environmental Assessment Act’s environmental review process (**EA process**);
- A desire by the Company’s shareholders and its potential joint venture partners that it capitalise on current strong demand and pricing for metallurgical coal to increase planned production beyond that allowed by the sub-EA process;
- A preference from the local community for the transfer of saleable coal from the coal wash-plant to the rail load-out via a dedicated private haul road rather than a public highway;
- Canadian National Rail’s requirement for a 3.5km train rail loop rather than the 1.5km rail siding agreed to and incorporated into the 2017 PFS;
- The maximum operating capacity of the coal wash-plant, which was to be operated at 240,000 saleable tonnes per annum, but would have an installed capacity of approximately 750,000 saleable tonnes per annum;
- A preference to retain a small operating footprint; and
- An objective to maintain a low start-up capital expenditure requirement.

### **Material Assumptions in relation to the Project Description and Production Target**

The material assumptions supporting the information in this announcement, where relevant and unless otherwise stated, are based on:

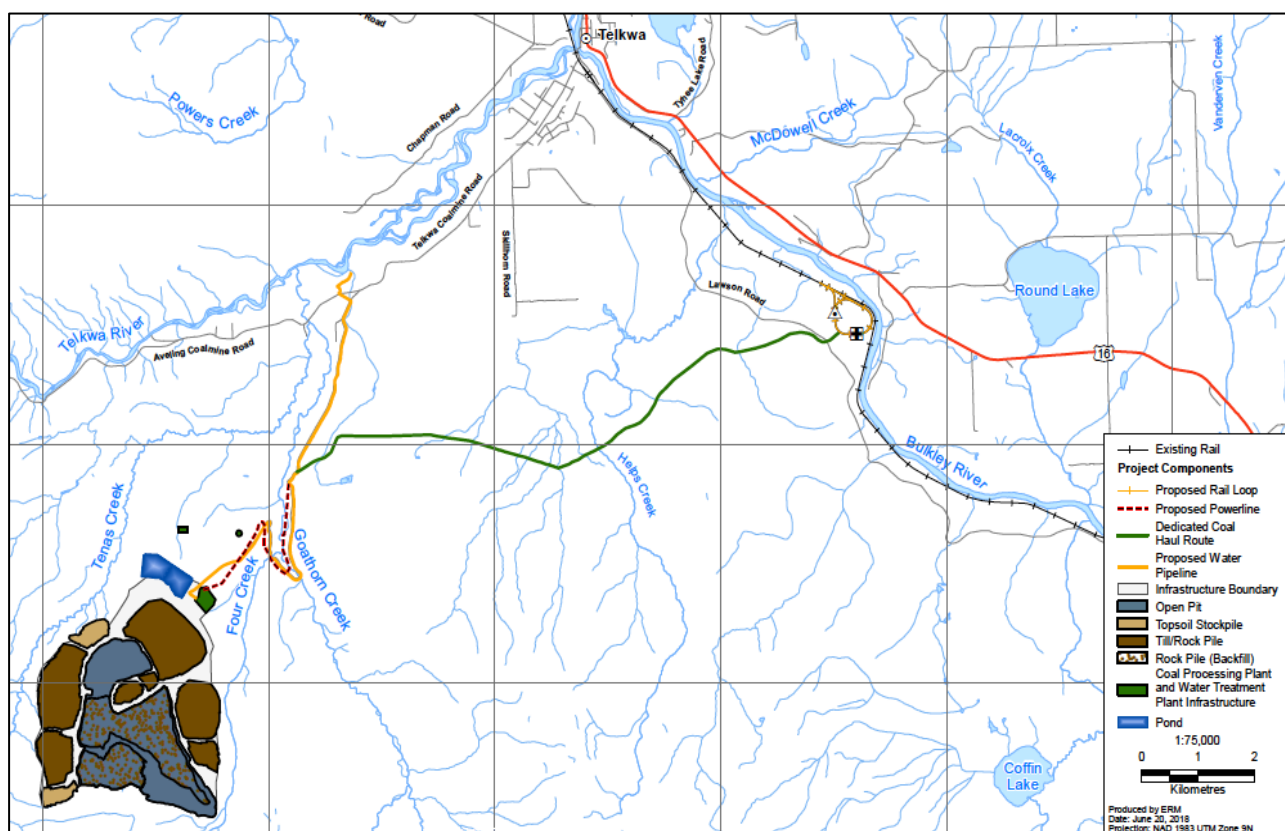
- The Company’s first PFS in relation to the Telkwa Metallurgical Coal Project targeting a 1.75Mctpa mine across three coal deposits namely Tenas, Goathorn and Telkwa North (**Large Mine PFS**), previously announced on 3 July 2017 (**3 July 2017 Announcement**);
- The Company’s second PFS focused solely on the Tenas deposit (**Small Mine PFS**), previously announced on 11 September 2017 (**11 September 2017 Announcement**); and
- The updated geological model (**Updated Geological Model**) for the Tenas deposit arising from data collected from the February 2018 drill programme, along with a review of all historical data, previously announced on 18 June 2018, supplemented by the Company’s announcement of 26 June 2018 (collectively the **18 June 2018 Announcement**).

## Summary of Key Tenas Project Metrics

Key metrics		
Total coal resource	Tonnes	36,500,000
Total mined coal	Tonnes	23,700,000
Total saleable coal	Tonnes	16,800,000
Annual saleable coal production	Tonnes per annum	750,000
Life of mine average strip ratio	BCM/ROMt	3.2:1
Life of mine yield	%	71
Mine life	Years	22
Initial capital expenditure	US\$	61,800,000
Average life of mine operating cost	FOB US\$/t	55.8
Current market price	US\$/t	133.45
Exchange rate	CAD:USD	1:0.75

## Tenas Project Layout

The graphic below shows an approximation of the expected mine layout. The final mine layout in the Tenas DFS is expected to differ from this slightly.



The Tenas open pit and the waste rock and till piles shown in the graphic represent the entire mined Tenas resource of 36.5Mt. The Project Description, however, contemplates mining 23.7Mt (or 65 percent) of the total Tenas resource, therefore the footprint will be smaller.

### Permitting and Indicative Timeline

The Tenas Project producing 750ktpa of saleable coal triggers a review under the British Columbia Environmental Assessment Act. It does not however trigger a Canadian Federal Government review under the Canadian Environmental Assessment Act.

The Company intends to pursue ‘concurrent permitting’ whereby both the environmental assessment review and the application for permits to operate a mine, are processed in parallel. The updated permitting process and timeline is summarised below (noting it is subject to change):

Q3 18	Project Description lodged with British Columbia Government agencies in August 2018;
Q3 18	Section 10 order, pre-application process commences;
Q4 18	Section 11 order, confirms requirement for an Environmental Assessment review;
Q1 19	Finalisation of Valued Components Document;
Q2 19	Finalisation of Application Information Requirements;
Q3 19	Submit draft Environmental Assessment for Environmental Assessment Act screening;
Q4 19	Environmental Act review commences and is currently regulated for 180 days ;
Q1 20	Environmental review continues – the project may go into suspension to resolve any issues;
Q2 20	Relevant Ministers currently have 45 days to issue Environmental Assessment certificate;
Q3 20	Permits to mine are generally granted 60 days after Environmental Assessment certification.

This process, if successful, will add approximately 12 months of additional time to the Company’s previous permitting schedule and would see permits granted in Q3 2020 with production to commence in 2021. The quarters are based on a calendar year.

### Coal Resources

Following completion of the Updated Geological Model, which was prepared in accordance with the JORC 2012 Edition (JORC Code), the resource statement for the Tenas deposit is 36.5 million tonnes, summarised in the table below.

Tenas Coal Resource	Measured Mt	Indicated Mt	Inferred Mt	Total Mt
C seam	4.5	1.5	-	6.0
1U seam	4.5	1.6	-	6.1
1 seam	18.1	6.3	-	24.3
<b>Total</b>	<b>27.1</b>	<b>9.4</b>	<b>-</b>	<b>36.5</b>

The coal resource referred to in the above table was first reported in the Company’s 18 June 2018 Announcement. The Company confirms that it is not aware of any new information or data that materially affects the information included in the 18 June 2018 Announcement and that all material assumptions and technical parameters underpinning the estimates in the 18 June Announcement 2018 continue to apply and have not materially changed.

### Geology and geological interpretation

The Tenas coal deposit is a medium to high volatile bituminous coal deposit, part of the Red Rose formation of the Skeena Group. The Skeena Group sediments of the larger Telkwa coalfield are an erosional remnant of Lower Cretaceous sedimentary rock which were initially deposited within a large deltaic complex along the southern flanks of the Bowser Basin. Throughout late Jurassic and early Cretaceous time the Bowser



Basin was the focus of rapid sedimentation, subsidence and increased tectonic activity, which resulted in thick accumulations of coal-bearing sedimentary rock. The geology type classification is “complex” (as per GSC Paper 88-21). Minimum open pit mineable thickness for complex coal deposits is 0.8m.

The three main economic seams range from a minimum mineable thickness of 0.8m to 9m in thickness. There is a high level of confidence in the geological interpretation, especially in areas of the resource that have been included in the measured category. The bedding is commonly shallow dipping with occasional steepening near faults. Faults are steeply dipping and can be reverse or normal in displacement, with displacement ranging from a few metres up to 100m in places.

In the previous Tenas geological model the control on intercepted seam thicknesses from drilling were interpreted, for the most part, as pinch outs where a seam was missing from the expected drilled sequence. This made for a large (and not realistic) change in the seam thicknesses over relatively short distances. In order to understand and explain these differences, data archives were interrogated and provided additional, previously un-digitized, and in some cases computer ASCII files from geophysical logging programs conducted between 1992 and 1998.

Several drillholes had dipmeter information digitized from paper records and the information was added to the database for review and use in the current geologic model. Wherever there was actual physical core logs completed for a hole the dipmeter information was checked versus that actual core log strata dip angles to ensure that the dipmeter information was accurate. Several additional historical drill holes were not included in the Large Mine PFS and the Small Mine PFS geological model and were digitized from historical paper copies and geologic assessment reports that were filed with Ministry of Mines for British Columbia.

Detailed review of these exploration drill holes, historical drill holes and logs, in particular the dipmeter logs supplemented by a thorough review of core logs in areas where faulting was suspected, led to a more defensible model and a higher confidence in the resources. Furthermore, it would appear that the original geological interpretation did not rely on much of the geophysical dipmeter logs measurements collected for the current and historical drill holes as some of this data was not digitally available in previous models. The 2018 exploration programme also intersected two faults which provided further confirmation that the seam continuity are structurally controlled by faults in the Tenas deposit rather than seams having localised pinch outs and thickening.

Therefore the fault controlled geologic model is considered the most appropriate interpretation and is well supported by available data that consists mainly of drillhole seam intersections interpreted from the geophysical logs and supplemented by dipmeter, acoustic televiewer, core photos and core logs.

### **Drilling techniques**

A variety of drilling techniques have been utilised on the Project including mainly core, air rotary or a combination of both. From 1979 to 1989 the drilling was done using top-head drive Ingersoll Rand (IR) rotary rigs and Longyear 38 diamond core rigs. Core diameter was 1 7/8” NQ core plus some 6” diameter cores. From 1992 to 1998 the drilling was done using top-head drive Failing 1250 and IR rotary rigs and an Acker diamond core rig. Core diameter was 1 7/8” NQ core. Sampling of coal was done by the diamond core rig. Rotary coring to obtain 10 cm (4”) diameter core was also used.

The February 2018 drill programme consisted of eight PQ diamond core holes and fourteen 6 inch rotary drill holes for pilot wash tests and coal quality analysis. These were geophysically, geologically and



geotechnically logged and acoustic televiewer were used to provide logs for these holes. Further, bulk sample was obtained from the 6 inch air rotary holes. In addition to the PQ and 6 inch core holes completed, several sonic holes were completed to analyse soil and near surface ground water conditions.

### **Sampling and sub-sampling techniques and analysis**

All boreholes, where conditions permitted, were geophysically logged with some or all of the following tools: deviation, gamma, density, caliper, neutron, dip. Geophysical logging operators routinely calibrated their tools between programs. Core holes were sampled, where core recovery permitted, as whole core collected for coal quality analysis and rock geochemistry.

The results from the geophysical logging were used to determine the lithology of the strata in the hole. The cored intervals were compared to the geophysical log in order to determine sample intervals and core loss. The results from the acoustic televiewer logs and dip meter logs were used to determine the presence and orientation of any faulting that might be present in the drill hole. These techniques provided details on two fault planes that were incorporated into the subsequent model. Only holes with a coal core recovery greater than 80% were used for subsequent coal quality and washability analysis. The coal obtained from the 2018 PQ holes was tested at the Birtley Laboratory in Calgary, Alberta, Canada while that from the 6 inch holes was tested by the SGS Laboratory in Delta, British Columbia, Canada both of which are ISO 90001 certified.

### **Sample analysis methodology**

The analysis completed on the core samples produced used ASTM standards as a guideline for all tests completed at the two laboratories mentioned above. A flowsheet for samples was developed with input from the individual laboratories and generally accepted industry practices. A full suite of coal sizing and washability work followed by coal quality testing was performed on all samples obtained in the 2018 program. All sample analysis completed were reported by the laboratories. In summary, the current coal quality data gathered from the program confirmed the historical information and provided improvements in the calorific values and petrographic RoMax values.

### **The criteria used for classification, including drill and data spacing and distribution**

The resource classification is based on an assessment of the geological (seam thickness) and coal seam continuity. This has then been summarised using the distance from the nearest acceptable data point (drillhole) for coal seam thickness identification and an assessment of the confidence in coal seam continuity and correlation. The drillhole spacing and continuities are considered appropriate to define Measured, Indicated and Inferred Resources for a complex coal resource on the following basis for subsequent resource definition: Measured: within 75m of drillhole utilized in the model (that is holes identified as appropriate for use in the current resource estimate); Indicated: 75m to 150m of drillhole; Inferred: 150m to 300m of drillhole.

### **Estimation methodology**

Coal quality and seam thickness parameters were estimated using inverse distance squared within the seam wireframes which control the distribution of interpolated values in 3D. The model is of the coal seams only and the interburden has been modelled by default but to sufficient detail to assist with waste rock characterisation and waste rock management. Current work is being completed to develop a detailed waste rock model, including the distribution of acid base ratios for ARD determinations.



The current resource estimate is comparable with previous resource estimates completed in 1989, 1997, 2015 and 2017. However, as mentioned above, the change in geological interpretation from a pinch out model to a fault controlled model has resulted in greater tonnages primarily due to the assumption that seam thicknesses are relatively consistent from one area to another at the Tenas deposit like other deposits in the region, as opposed to previous estimates, which had a wide range of seam thickness over relatively small areas.

### **Cut-off grades, including the basis for the selected cut-off grades**

As per CIM paper 88-21 a 20 to 1 (bcm to in place tonne) cut-off strip ratio “pit” was used to determine the extent and tonnage of surface resources to report. The entire seam package lies within these limits. During the Large Mine PFS and the Small Mine PFS, all of the coal seams in the Tenas deposit greater than 0.3m were included in the resource. It was decided during this exercise that seams 1, 1U and C were the only ones of significant thickness, continuity and in place ash to be considered potentially economically recoverable by surface mining. Consequently, these were the only seams that met the definition of resources.

### **Mining and metallurgical methods and parameters, other material modifying factors considered to date**

A minimum coal ply (seam) thickness of 0.8m and a maximum included parting thickness of 0.3m was applied for the Tenas deposit. Therefore any coal seams less than 0.8m were excluded from the resource while any partings that were less than 0.3m were included in the resource. The minimum coal to rock ratio was 2:1.

The resources are all considered potentially surface mineable, noting that the entire Tenas resource is recoverable at a strip ratio of 5:1 BCM/in place coal tonne, well below the Canadian coal resource standard of 20:1 BCM/in place coal tonne. Despite there being previous underground mining on the property, no underground resources are considered at this time. Metallurgical amenability was simulated from testwork using industry standard models for coal beneficiation.

### **Coal Reserves**

As a result of the analysis undertaken in the Large Mine PFS, which establishes the economic viability of the Measured and Indicated Resources, SRK Consulting (Canada) Inc. (**SRK**) determined a Reserve estimate for the Tenas deposit of 29.1 Mt of raw coal producing 20.6 Mt of clean coal with total moisture of 8.5 percent. This results in a total of 21.0 Mt of saleable coal with a moisture content of 10 percent at an average mine life yield of 71 percent. Saleable Coal is a term used under CIM Definition Standards which has the same meaning as Marketable Coal under JORC.

Modifying factors such as mining dilution, mining recovery, raw ash and density, and coal yield have been estimated using accepted techniques considered by the Company and SRK. The accuracy of the Reserve estimate is subject to geological data and modelling procedures to estimate the coal resource and to modifying factor assumptions for dilution and loss. While the Project is not in production and such reconciliation is not possible, the assumptions are based on sound principles and experience from mines with similar conditions.





It is estimated that, of the total Tenas deposit Proven Reserve of 21 million tonnes of saleable coal, 16.8 million tonnes of saleable coal will be extracted over the mine life. The total Tenas deposit saleable coal reserves are summarised in the table below.

Project Coal Reserves		ROM Coal Mt	Clean Coal Mt	Saleable Coal Mt
Tenas Proven		29.1	20.6	21.0
Tenas Probable		-	-	-
<b>Tenas Total</b>		<b>29.1</b>	<b>20.6</b>	<b>21.0</b>

The coal reserves referred to in the table above were first reported in the Company's 3 July 2017 Announcement. The Company confirms that it is not aware of any new information or data that materially affects the information included in the 3 July 2017 Announcement and that all material assumptions and technical parameters underpinning the estimates in the 3 July 2017 Announcement continue to apply and have not materially changed.

### Mining & Processing

The Tenas coal will be mined at 750 kctpa. At that rate of production, with 16.8 Mt of saleable coal, the Tenas deposit has a potential mine life of 22 years at an average life-of-mine strip ratio of 3.2:1 BCM/ROMt (4.2:1 BCM/PRODt).

The Tenas deposit is a syncline basin of coal with the west limb shallow dipping from the southwest to the northeast where it meets the syncline. Other than the first three years of mining in the shallow end of the pit, the deposit will be mined involving a series of cuts initiated at the lowest point in the north of the pit, progressing up-dip to the south. The strategy enables around 50 percent of the waste material to be back filled from start of mining, using bulldozers to push waste back into the pit bottom. The cost savings in moving waste material with bulldozers as opposed to an excavator loading a dump truck are significant.

The production schedule is four days per week, Monday to Thursday, with two 10 hour shifts per day. All operations personnel, totalling 75, and trade technicians, will be sourced locally from the towns of Telkwa, Smithers (12 km) and Houston (50 km), which contain a skilled workforce with extensive experience in forestry and hard rock mining. Mined coal will be processed through a 140tph dual circuit wash-plant designed by Sedgman Consulting (Canada) Inc. Washed coal will be stockpiled at the wash-plant, then trucked 14 km along a designated haul road to a rail loop and load-out.

### Infrastructure & Transport

A 25 kV power line runs to the northern edge of the Tenas Project boundary. The power line will be extended 3 km to a substation located at the wash-plant situated at the northern tip of the Tenas deposit. A 3.5km rail loop will be built to receive 116, 110t coal wagons. Coal will then be loaded with a front-end loader. Wagons will be loaded once a week for a 24 hour return trip to Ridley Island Coal Terminal (RICT).

Once loaded, it is then a 375km haul to RICT. RICT currently has 18 Mtpa handling capacity which can be expanded to 25 Mtpa within 24 months. The forecast tonnage for this calendar year is around 10 Mtpa. In its peak in 2013, RICT exported 13.4 Mtpa. There is ample capacity for Tenas coal with no requirement for upfront bond payments or take or pay commitments. The average ship size at RICT in the last 12 months has been 80,000t panamax vessels. Most coal producers who export from RICT share hulls, and this is anticipated in the case of Tenas coal.



## Coal Quality & Pricing

Tenas coal will be washed at an SG of 1.55 for an all clean metallurgical coal yield of 71 percent. The quality parameters for Tenas coal are summarised in the table below.

Coal Quality	Units	
Inherent moisture	%	1.1
Volatile matter	%	25.8
Ash	%	8.0
Sulphur	%	0.98
Fixed carbon	%	65.1
Free swell index		3-5
HGI		64
Reflectance	%	0.96
Maximum fluidity	ddpm	2-17
Base acid ratio		0.15

Tenas semi-soft coking coal (**SSCC**) is expected to be well received due to the limited availability of mid-volatile SSCC on the seaborne market, in contrast to the more readily available high volatile SSCC coals. The market should react favourably to the introduction of a new mid-volatile SSCC, not only as diversification from Australia, but also due to the fact that current Canadian SSCC supplies are being reduced. Looking beyond strictly the Australian SSCC, not all SSCC on the seaborne market has similar favourable quality specifications; in this regard some SSCC will report FSI as low as 2, while others have ash levels as high as 11%, which underscores the favourable quality of the Tenas coal as a SSCC.

Kobie Koornhof & Associates (**Koornhof**), a respected British Columbia coal market specialist, has assessed the current market pricing for Tenas coal at US\$133.45/t, as summarised in the table below.

Tenas SSCC Pricing v Q3 2018 Benchmark Pricing	US\$/t
Semi-soft coal	137.00
Sulphur penalty	5.30
Ash credit	1.75
Tenas current market price	133.45

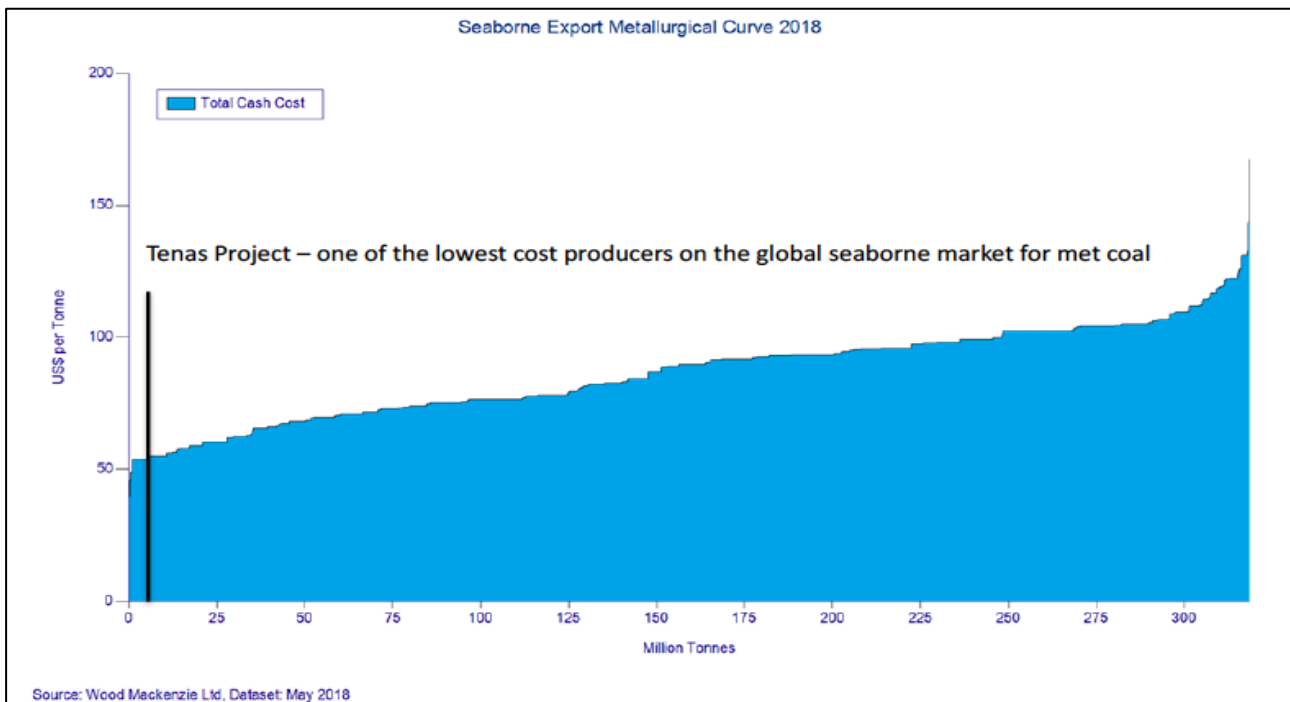
The coal obtained from the 2018 PQ holes was tested for washability and coal quality at the Birtley Laboratory in Calgary, Alberta, Canada while that from the 6 inch holes was tested by the SGS Laboratory in Delta, British Columbia, Canada both of which are ISO 90001 certified. The evaluation of coal quality for the 1995 to 1998 exploration programs was based upon the analytical results of core obtained from drill-holes, and from bulk samples collected from the Tenas area in 1996 and 1998. The primary purpose of the coring programs was to obtain sufficient samples of significant coal seams for reliable determinations of the raw and clean quality characteristics of the Telkwa coalfield. In 1996 an 80 t bulk sample recovered from the Tenas deposit provided sufficient size and quantity of delivered coal to simulate raw feed operations and perform the testing necessary to conduct a complete processing plant design. The large-diameter coring program completed in 1998 provided small-scale bulk samples from five additional Tenas locations such that comparisons could be drawn between different locations, and also from between the large-diameter and conventional cores. Typically, specific laboratory analyses on core samples were performed by Loring Laboratories Ltd of Calgary, Alberta. Most samples collected were representative of selected coal units, although seam roof, floor and parting lithologies were also collected regularly and analysed. Bulk sample analyses were usually completed by Birtley Labs, also of Calgary.

## Operating Costs

Operating costs have been estimated applying first principles and covering all aspects of the mining operation including waste removal, coal recovery, coal processing, haulage, road, maintenance, water management, reclamation and site administration. The Project has potential to be a very low cost producer, in fact one of the lowest cost producers, and is well positioned to be a reliable, long term supplier of metallurgical coal to Asian steel mills. Operating costs were estimated relying on unit costs derived from the Small Mine PFS and Large Mine PFS. Operating costs are summarized in the table below.

Operating Costs		US\$/saleable t
<b>Site Costs</b>		
Waste removal	Combination of load, haul and dozer push	16.8
Coal recovery	Load and haul	6.4
Coal processing	140tph modular and scalable wash-plant	5.0
Other site costs	Water management and reclamation	5.9
General and admin		3.0
<b>Freight Costs</b>		
Marketing		0.2
Haulage	Clean coal load and haul from CHPP to rail loop	2.6
Rail and port		13.1
Royalties	Payable to third parties	2.8
<b>Total Operating Costs</b>	<b>Pre corporate tax &amp; BC Govt. mineral tax</b>	<b>55.8</b>

The graph below highlights the Project's extremely low operating costs relative to the seaborne market.



As potentially the lowest cost producer of metallurgical coal in British Columbia, and in the lowest five percentile of coal producers in the global seaborne metallurgical coal market, the Project has capacity to weather the volatility of metallurgical coal prices.



### Initial Capital

The estimated start-up capital expenditure is based on the start-up capital expenditure of the Large Mine PFS of US\$51M, as set out in the 3 July 2017 Announcement, with some additional start-up capital expenditure items brought forward which were anticipated to be delayed in the Large Mine PFS. The table below summaries the initial capital expenditure.

Initial Capital Expenditure	US\$M
Equipment	7.5
Pre-strip	1.3
Coal handling preparation plant and related Infrastructure	15.4
Mine infrastructure	18.3
Water management	13.3
Rail loop and loadout	6.0
<b>Total Initial Capital</b>	<b>61.8</b>

### Funding Assumptions

The Company reported cash holdings as at 31 March 2018 of \$1.7 million. These cash resources were supplemented by completion, in April 2018, of a private placement, which raised a further \$3.1 million. To continue development of the Project to the conclusion of permitting, the Company requires additional funding to be secured from sources including but not limited to the following:

- Further equity capital raisings to sophisticated or professional investors;
- The potential farm-out of participating interests in the Project; and/or
- Other financing arrangements.

The Company will require around A\$5 million to reach the conclusion of permitting. Currently the Company anticipates sourcing this capital from either a placement to sophisticated or professional investors or alternatively from a joint venture arrangement. Thereafter, the Company does anticipate requiring additional funds to meet its corporate overhead during the period the permit applications are progressed estimated to be no more than an additional A\$2 million.

Once the Project is permitted, the Company will require further funding for the Project development start-up capital expenditure estimate of US\$61.8 million including but not limited to:

- Further equity capital raisings;
- Project finance;
- Vendor finance;
- Customer finance;
- The potential farm-out of participating interests in the Project; and/or
- Other financing arrangements.



## Risks

Consistent with those reported in the Large Mine PFS, the Company has noted the following key Project risks. Some of them relate to the need to build a greater knowledge base in relation to various aspects of the Project, and others relate to matters in respect of which engineering design would mitigate risk.

- **Environment:** The impact of mining on the environment is always an issue irrespective of the type of mine and its location. Once the Company has completed its environmental studies of the Project, targeted for Q3 2018, the Company will have a solid understanding of what the impacts might be.
- **Water Management:** Related to the first point of environmental impact, one area of particular concern to the Company is water management. The Project has several streams within its vicinity which all feed into a major river system. Ensuring that the Project discharges clean surface water back into the river system is a matter of high priority to the Company.
- **Permitting:** There is no guarantee that the Project will be granted all permits required to operate a mine. Whilst British Columbia is in a first world country, with a very prescriptive mine permitting regime, there is always uncertainty and doubt as to whether Government ministries will support a particular mining activity.
- **Finance:** Notwithstanding the Company's confidence in this regard, there is no guarantee that if and when the Project is permitted and ready for development, there will be funding available to do so. Whilst the Project is very low down the cost curve and can withstand a material drop in the price of coal, the volatility of commodity prices in a downward trend often dampens the interest of investors in a particular commodity, such that funding may be difficult to secure.
- **Coal performance:** unless and until a particular coal has been tested for its performance in a blast furnace, there remains an uncertainty as to how it will actually perform, and this may have an impact on coal pricing.

---

For more information, please contact:

**Mr David Fawcett**

Chairman, Allegiance Coal Limited

Mobile : +1 604 612 2376

Email: [dfawcett@allegiancecoal.com.au](mailto:dfawcett@allegiancecoal.com.au)

**Mr Mark Gray**

Managing Director, Allegiance Coal Limited

Mobile : +61 412 899979

Email: [mgray@allegiancecoal.com.au](mailto:mgray@allegiancecoal.com.au)

### About Allegiance Coal

Allegiance Coal is a publicly listed (ASX:AHQ) Australian company advancing a metallurgical coal mine into production in British Columbia, Canada. The Telkwa metallurgical coal project (**Project**) includes three pit areas comprising 125.8Mt of JORC compliant coal resource of which 102.3Mt is in the Measured Category; 22.3Mt is in the Indicated Category; and 1.2Mt is in the Inferred Category. In 2017 the Company completed a pre-feasibility study declaring 42.5Mt of saleable coal reserves, and positioning the Project in the lowest five percentile of the global seaborne metallurgical coal cost curve. The Company is now undertaking a full feasibility study of the Tenas Pit (**Tenas Project**) which represents 21Mt of those saleable coal reserves and is advancing the Tenas Project towards permitting and production.

**Competent Person Statement**

The information in this ASX Announcement that relates to Mineral Resources and Reserves, unless otherwise stated, is based on information reviewed and compiled by Mr Dan Farmer, a registered professional engineer with the Association of Professional Engineers and Geoscientists of British Columbia. Mr Farmer is engaged by the Company on a full-time basis and has sufficient experience which is relevant to the style of mineralisation and the type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the JORC Code (2012 Edition of the “Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”). Mr Farmer, as competent person for this announcement, has consented to the inclusion of the information in the form and context in which it appears herein.

---