

Fenwei CCI Methodology

May 2019

1. Index Design

- 1.1 Shanxi Fenwei Energy Information Services Co., Ltd. ("Fenwei") price indices reflect the actual transaction prices in the spot market.
- 1.2 Spot trades are concluded on coal between sellers and buyers who could negotiate on price freely based on current supply and demand relation. Usually, price is negotiated for each vessel of coal in the spot market.
- 1.3 Fenwei price indices define clearly the specification parameters for each index, and the reasonable floating range around the actual transacted prices.
- 1.4 Premium and penalty standards are given for coal of similar qualities that is traded with reference to a specific index.
- 1.5 Fenwei price indices methodology is transparent and public. Changes of the methodology are notified 90 days prior to implementation.
- 1.6 Premiums and penalties are checked with actual trade practices every month. Changes of the premiums and penalties are notified 90 days prior to implementation.

2. Price Index Information Collection

- 2.1 Fenwei price indices are published by Price Center of Shanxi Fenwei Energy Information Services Co., Ltd.
- 2.2 Fenwei designates professional price collectors to gather first-hand prices.
- 2.3 Fenwei will expand information sources by contacting market participants as many as possible, to ensure price indices accurately reflect market prices. Market participants include but are not limited to downstream users, traders, producers, brokers and/or other active spot market participants.
- 2.4 Fenwei collects price information from various sources, but only the traceable price information is considered.

3. Index Calculation

- 3.1 Index calculations take trades that are confirmed, verifiable and compliant to index standards

in priority. If there are no trades in a business day, firm offers and bids are considered. If there're three and more index-compliant trades in a business day, actual index is determined by the trade prices. Every transacted price is adjusted to index standard price through premiums and penalties.

3.2 If there are no enough trades in a business day, firm offers and bids are considered. Fenwei takes a fixed percentage of offers and bids into calculations of the price indices.

Fenwei will calculate the average offer price based on the 30% lowest offer prices, and calculate the average bid price based on the 30% highest bid prices in a business day.

3.3 Thermal coal price indices calculation formulas:

With enough trades, price index=the average of adjusted transacted prices

$$T_N = (T_C + N_S + N_C) / CV_C * CV_I$$

$$I_T = \bar{T}_N$$

T_C = actual transacted price in the contract

N_S = sulphur adjustments

N_C = other contract terms adjustments

CV_C = contracted calorific value

CV_I = price index standard calorific value

T_N = actual transacted prices taken into price index calculations

I_T = thermal coal price index

Without enough trades, Fenwei considers firm offers and bids to calculate price index.

$$B_N = (B_C + N_S + N_C) / CV_C * CV_I$$

$$O_N = (O_C + N_S + N_C) / CV_C * CV_I$$

$$T_N = (T_C + N_S + N_C) / CV_C * CV_I$$

$$I_T = 25\% * \bar{B}_N + 25\% * \bar{O}_N + 50\% * \bar{T}_N$$

T_C = actual transacted price in the contract

N_S = sulphur adjustments

N_C = other contract terms adjustments

CV_C = contacted calorific value

CV_I = price index standard calorific value

O_C = market offers

O_N =offers taken into price index calculations

B_C =market bids

B_N =bids taken into price index calculations

T_N = actual transacted prices taken into price index calculations

I_T =thermal coal price index

3.4 Coking coal price indices calculation formulas

With enough trades, price index=the average of adjusted transacted prices

$$T_N = T_C + N_S + N_A + N_V + N_G + N_Y + N_C$$

$$I_C = \bar{T}_N$$

T_C = actual transacted price in the contract

N_S =sulphur adjustments

N_A =ash adjustments

N_V =VM adjustments

N_G =G value adjustments

N_Y =Y value adjustments

N_C =other contract terms adjustments

T_N = actual transacted prices taken into price index calculations

I_C =coking coal price index

Without enough trades, Fenwei considers firm offers and bids to calculate price index.

$$B_N = B_C + N_S + N_A + N_V + N_G + N_Y + N_C$$

$$O_N = O_C + N_S + N_A + N_V + N_G + N_Y + N_C$$

$$T_N = T_C + N_S + N_A + N_V + N_G + N_Y + N_C$$

$$I_T = 25\% * \bar{B}_N + 25\% * \bar{O}_N + 50\% * \bar{T}_N$$

T_C = actual transacted price in the contract

N_S =sulphur adjustments

N_A =ash adjustments

N_V =VM adjustments

N_G =G value adjustments

N_Y =Y value adjustments

N_C =other contract terms adjustments

O_C =market offers

O_N =offers taken into price index calculations

B_C =market bids

B_N = bids taken into price index calculations

T_N = actual transacted prices taken into price index calculations

I_C = coking coal price index

3.5 Anthracite price indices calculation formulas

With enough trades, price index=the average of adjusted transacted prices

$$T_N = (T_C + N_S + N_C) / CV_C * CV_I$$

$$I_A = \bar{T}_N$$

T_C = actual transacted price in the contract

N_S =sulphur adjustments

N_C =other contract terms adjustments

CV_C =contracted calorific value

CV_I =price index standard calorific value

T_N = actual transacted prices taken into price index calculations

I_A =anthracite price index

Without enough trades, Fenwei considers firm offers and bids to calculate price index.

$$B_N = (B_C + N_S + N_C) / CV_C * CV_I$$

$$O_N = (O_C + N_S + N_C) / CV_C * CV_I$$

$$T_N = (T_C + N_S + N_C) / CV_C * CV_I$$

$$I_A = 25\% * \bar{B}_N + 25\% * \bar{O}_N + 50\% * \bar{T}_N$$

T_C =actual transacted price in the contract

N_S =sulphur adjustments

N_C =other contract terms adjustments

CV_C =contracted calorific value

CV_I =price index standard calorific value

O_C =market offers

O_N = offers taken into price index calculations

B_C =market bids

B_N =bids taken into price index calculations

T_N = actual transacted prices taken into price index calculations

I_A =anthracite price index

3.6 PCI price indices calculation formulas

With enough trades, price index=the average of adjusted transacted prices

$$T_N = T_C + N_A + N_S + N_{CV} + N_C$$

$$I_P = \bar{T}_N$$

T_C = actual transacted price in the contract

N_A =ash adjustments

N_S = sulphur adjustments

N_{CV} =CV adjustments

N_C = other contract terms adjustments

T_N = actual transacted prices taken into price index calculations

I_P =PCI price index

Without enough trades, Fenwei considers firm offers and bids to calculate price index.

$$B_N = B_C + N_A + N_S + N_{CV} + N_C$$

$$O_N = O_C + N_A + N_S + N_{CV} + N_C$$

$$T_N = T_C + N_A + N_S + N_{CV} + N_C$$

$$I_P = 25\% * \bar{B}_N + 25\% * \bar{O}_N + 50\% * \bar{T}_N$$

T_C = actual transacted price in the contract

N_A =ash adjustments

N_S =sulphur adjustments

N_{CV} =CV adjustments

N_C = other contract terms adjustments

O_C =market offers

O_N = offers taken into price index calculations

B_C =market bids

B_N = bids taken into price index calculations

T_N = actual transacted prices taken into price index calculations

I_P =PCI price index

3.7 Coke price indices calculation formulas

With enough trades, price index=the average of adjusted transacted prices

$$T_N = T_C + N_A + N_S + N_C$$

$$I_M = \bar{T}_N$$

T_C = actual transacted price in the contract

N_A =ash adjustments

N_S =sulphur adjustments

N_C = other contract terms adjustments

T_N = actual transacted prices taken into price index calculations

I_M =coke price index

Without enough trades, Fenwei considers firm offers and bids to calculate price index.

$$B_N = B_C + N_A + N_S + N_C$$

$$O_N = O_C + N_A + N_S + N_C$$

$$T_N = T_C + N_A + N_S + N_C$$

$$I_P = 25\% * \bar{B}_N + 25\% * \bar{O}_N + 50\% * \bar{T}_N$$

T_C = actual transacted price in the contract

N_A =ash adjustments

N_S =sulphur adjustments

N_{CV} =CV adjustments

N_C = other contract terms adjustments

O_C =market offers

O_N = offers taken into price index calculations

B_C =market bids

B_N = bids taken into price index calculations

T_N = actual transacted prices taken into price index calculations

I_M =coke price index

3.8 All market activities are selected according to market transparency, verifiability and repeatability. Trades that are not compliant with principles will not be considered.

3.9 Trades under long-term contracts are usually rejected. Transaction prices with special terms are rejected as well.

3.10 Fenwei price indices are calculated and confirmed together by three or more price collectors, one of whom at least has a job title of professional analyst.

3.11 Fenwei maintains a neutral stance on price indices calculations and publication, will not cooperate with anyone that might affect the impartiality of price indices or participate in physical transactions in price index-relevant markets.

4 Price index audit

4.1 Fenwei has a dedicated department that verifies price collectors' continuous adherence to Fenwei methodology.

4.2 Fenwei keeps price collection records for more than two years, in order to audit and review the validity of the price information at any time.

5. The Fenwei CCI Index Series

5.1 The CCI 5500 Index

The CCI 5500 Index was launched by Fenwei on August 3, 2015, with effective historical data tracing back to June 26, 1998 based on price monitoring records at sxcoal.com.

The CCI 5500 Index is published as a daily 3-30 day forward price assessment for thermal coal with a calorific value of 5,500 kcal/kg net-as-received Free on Board Qinhuangdao, north China.

Price Assessment: The assessment, in Chinese RMB per tonne, reflects the commercial value of coals sold in the spot market on an FOB Qinhuangdao and other Bohai-rim ports basis, including Value Added Tax.

Specifications: The standard specification for CCI 5500 will be as follows: a standard calorific value of 5,500 Kcal/kg NAR, typical sulphur content of 0.8% air dried basis, typical ash of 18% air dried basis, typical total moisture of 10% net as received basis and typical volatile matter of 28% air dried basis.

CCI 5500 Index editors will consider as relevant to the assessment process coals in a range of 5,300 - 5,700 Kcal/kg NAR with a maximum sulphur content of 1% air dried basis, maximum ash air dried basis of up to 40%, total moisture to a maximum of 18% net as received basis, volatile matter air dried basis of up to 40% and will normalize to the standard specifications.

Basis and Location: The CCI 5500 Index will take into consideration cargoes of thermal coal loading at north China ports including but not exclusive to Caofeidian, Huanghua, Jingtang, and Tianjin and normalized to Qinhuangdao.

Volume: The minimum-sized cargo applicable for price assessment purposes is 50,000-60,000

tonnes. All other sizes including split and part cargoes will be normalized to this volume. A cargo with size below 10,000 tonnes will not be taken into consideration.

Payment terms: Letter of Credit, cash or cash equivalent payable at sight.

Timing: The CCI 5500 Index will reflect the price of coal loading FOB Qinhuangdao 3-30 days forward from the date of publication. For instance, on June 1 cargoes loading between June 4 and July 1 would be considered. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward laycans are normalized to the middle of the month for assessment purposes.

Availability: The CCI 5500 index will be published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI 5500 Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time. Fenwei records CCI 5500 index per day for publication on sxcoal.com at 17:00 Beijing local time on the last working day of each week, and translate into weekly index through arithmetic mean.

Unit: Prices are to be quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including 13% Value Added Tax.

5.2 The CCI 5000 Index

The CCI 5000 Index was launched by Fenwei on August 3, 2015 with effective historical data tracing back to October 19, 2005 based on price monitoring records at sxcoal.com.

The CCI 5000 Index is published as a daily 3-30 day forward price assessment for thermal coal with a calorific value of 5,000 kcal/kg net-as-received Free on Board Qinhuangdao, north China.

Price Assessment: The assessment, in Chinese RMB per tonne, reflects the commercial value of coals sold in the spot market on an FOB Qinhuangdao and other Bohai-rim ports basis, loading 3-30 days from the date of publication, including Value Added Tax.

Specifications: The standard specification for CCI 5000 will be as follows: a standard calorific value of 5,000 Kcal/kg NAR, typical sulphur content of 0.8% air dried basis, typical ash of 20% air dried basis, typical total moisture of 10% net as received basis and typical volatile matter of 28% air dried basis.

CCI 5000 Index editors will consider as relevant to the assessment process coals in a range of 4,800 - 5,200 Kcal/kg NAR with a maximum sulphur content of 1% air dried basis, maximum ash air dried basis of up to 40%, total moisture to a maximum of 18% net as received basis, volatile matter air dried basis of up to 40% and will normalize to the standard specifications.

Basis and Location: The CCI 5000 Index will take into consideration cargoes of thermal coal loading at north China ports including but not exclusive to Caofeidian, Huanghua, Jingtang, and Tianjin and normalized to Qinhuangdao.

Volume: The minimum-sized cargo applicable for price assessment purposes is 50,000-60,000 tonnes. All other sizes including split and part cargoes will be normalized to this volume. A cargo with size below 10,000 tonnes will not be taken into consideration.

Payment terms: Letter of Credit, cash or cash equivalent payable at sight.

Timing: The CCI 5000 Index will reflect the price of coal loading FOB Qinhuangdao 3-30 days forward from the date of publication. For instance, on June 1 cargoes loading between June 4 and July 1 would be considered. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward laycans are normalized to the middle of the month for assessment purposes.

Availability: The CCI 5000 index is published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI 5000 Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit: Prices are to be quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including 13% Value Added Tax.

5.3 The CCI 5500 Import Index

The CCI 5500 Import Index was launched by Fenwei on August 3, 2015, with effective historical data tracing back to June 16, 2013 based on price monitoring records at sxcoal.com.

The CCI 5500 Import Index is published as a daily 15-60 day forward price assessment for thermal coal with a calorific value of 5,500 Kcal/kg net-as-received on a Cost and Freight basis to south China.

Price Assessment: The assessment, in Chinese RMB per tonne and US dollars per tonne, reflects the commercial value of coals sold in the spot market on a CFR South China basis, excluding Value Added Tax.

Specifications: The standard specification for CCI 5500 Import Index will be as follows: a standard calorific value of 5,500 Kcal/kg NAR, typical sulphur content of 0.8% air dried basis, typical ash of 22% air dried basis, typical total moisture of 12% net as received basis and typical volatile matter of 25% air dried basis.

CCI 5500 Import Index editors will consider as relevant to the assessment process coals in a range of 5,300 - 5,700 Kcal/kg NAR with a maximum sulphur content of 1% air dried basis, maximum ash air dried basis of up to 25%, total moisture to a maximum of 20% net as received basis, maximum volatile matter air dried basis of 40% and will normalize to the standard specifications.

Basis and Location: CCI 5500 Import Index editors will take into consideration cargoes of thermal coal traded on the seaborne market and brought into south China ports including but not exclusive to Guangzhou, Fangcheng, Shenzhen, Xiamen, Zhanjiang and Zhuhai and normalized to Guangzhou.

Volume: The minimum-sized cargo applicable for price assessment purposes is 100,000 tonnes. All other sizes including split and part cargoes will be normalized to this volume. A cargo with size below 40,000 tonnes will not be taken into consideration.

Payment terms: Letter of Credit, cash or cash equivalent payable at sight.

Timing: The CCI 5500 Import Index will reflect the price of coal delivered CFR South China 15-60 days forward from the date of publication. For instance, on June 1 cargoes loading between June 16 and July 30 would be considered. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward laycans are normalized to the middle of the month for assessment purposes.

Availability: The CCI 5500 Import Index is published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI 5500 Import Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit: Prices are to be quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including 13% Value Added Tax and import tariff, and also in US dollars per tonne(\$/t) to two decimal places, excluding Value Added Tax.

5.4 The CCI 4700 Import Index

The CCI 4700 Import Index was launched by Fenwei on August 3, 2015 with effective historical data tracing back to June 16, 2014 based on price monitoring records at sxcoal.com.

The CCI 4700 Import Index is published as a daily 30-60 day forward price assessment for thermal coal with a calorific value of 4,700 Kcal/kg net-as-received on a Cost and Freight basis to south China.

Price Assessment: The assessment, in Chinese RMB per tonne and US dollars per tonne, reflects

the commercial value of coals sold in the spot market on a CFR South China basis, excluding Value Added Tax.

Specifications: The standard specification for CCI 4700 Import Index will be as follows: a standard calorific value of 4,700 Kcal/kg NAR, typical sulphur content of 0.7% air dried basis, typical ash of 10% air dried basis, typical total moisture of 26% net as received basis and typical volatile matter of 35% air dried basis.

CCI 4700 Import Index editors will consider as relevant to the assessment process coals in a range of 4,500 - 4,900 Kcal/kg NAR with a maximum sulphur content of 1% air dried basis, maximum ash air dried basis of up to 15%, total moisture to a maximum of 30% net as received basis, maximum volatile matter air dried basis of up to 50% and will normalize to the standard specifications.

Basis and Location: CCI 4700 Import Index editors will take into consideration cargoes of thermal coal traded on the seaborne market and brought into south China ports including but not exclusive to Guangzhou, Fangcheng, Shenzhen, Xiamen, Zhanjiang and Zhuhai and normalized to Guangzhou.

Volume: The minimum-sized cargo applicable for price assessment purposes is 65,000 tonnes. All other sizes including split and part cargoes will be normalized to this volume. A cargo with size below 25,000 tonnes will not be taken into consideration.

Payment terms: Letter of Credit, cash or cash equivalent payable at sight.

Timing: The CCI 4700 Import Index will reflect the price of coal delivered CFR South China 30-60 days forward from the date of publication. For instance, on June 1 cargoes loading between July 1 and July 30 would be considered. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward laycans are normalized to the middle of the month for assessment purposes.

Availability: The CCI 4700 Import Index is published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI 4700 Import Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit: Prices are to be quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including 13% Value Added Tax, and also in US dollars per tonne (\$/t) to two decimal places, excluding Value Added Tax.

5.5 The CCI 3800 Import Index

The CCI 3800 Import Index was launched by Fenwei on August 3, 2015.

The CCI 3800 Import Index is published as a daily 30-60 day forward price assessment for thermal coal with a calorific value of 3,800 Kcal/kg net-as-received on a Cost and Freight to south China.

Price Assessment: The assessment, in Chinese RMB per tonne and US dollars per tonne, reflects the commercial value of coals sold in the spot market on a CFR South China basis, excluding Value Added Tax.

Specifications: The standard specification for CCI 3800 Import Index will be as follows: a standard calorific value of 3,800 Kcal/kg NAR, typical sulphur content of 0.5% air dried basis, typical ash of 7% air dried basis, typical total moisture of 35% net as received basis and typical volatile matter of 40% air dried basis.

CCI 3800 Import Index editors will consider as relevant to the assessment process coals in a range of 3,600 - 4,000 Kcal/kg NAR with a maximum sulphur content of 0.8% air dried basis, maximum ash air dried basis of up to 18%, total moisture to a maximum of 38% net as received basis, maximum volatile matter air dried basis of up to 45% and will normalize to the standard specifications.

Basis and Location: CCI 3800 Import Index editors will take into consideration cargoes of thermal coal traded on the seaborne market and brought into south China ports including but not exclusive to Guangzhou, Fangcheng, Shenzhen, Xiamen, Zhanjiang and Zhuhai and normalized to Guangzhou.

Volume: The minimum-sized cargo applicable for price assessment purposes is 65,000 tonnes. All other sizes including split and part cargoes will be normalized to this volume. A cargo with size below 25,000 tonnes will not be taken into consideration.

Payment terms: Letter of Credit, cash or cash equivalent payable at sight.

Timing: The CCI 3800 Import Index will reflect the price of coal delivered CFR South China 30-60 days forward from the date of publication. For instance, on June 1 cargoes loading between July 1 and July 30 would be considered. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward laycans are normalized to the middle of the month for assessment purposes.

Availability: The CCI 3800 Import Index is published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI 3800 Import Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit: Prices are to be quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including 13% Value Added Tax, and also in US dollars per tonne (\$/t) to two decimal places, excluding Value Added Tax.

5.6 The CCI 3800 FOB Import Index

The CCI 3800 FOB Import Index will be launched by Fenwei on June 3, 2019.

The CCI 3800 FOB Import Index is published as a daily 15-45 day forward price assessment for thermal coal with a calorific value of 3,800 Kcal/kg net-as-received on a FOB basis at South Kalimantan, Indonesia, excluding Value Added Tax.

Price Assessment: The assessment, in US dollars per tonne, reflects the commercial value of coals sold in the spot market on a FOB Indonesian ports basis.

Specifications: The standard specification for CCI 3800 FOB Import Index will be as follows: a standard calorific value of 3,800 Kcal/kg NAR, typical sulphur content of 0.5% air dried basis, typical ash of 7% air dried basis, typical total moisture of 35% net as received basis and typical volatile matter of 40% air dried basis.

CCI 3800 FOB Import Index editors will consider as relevant to the assessment process coals in a range of 3,600 - 4,000 Kcal/kg NAR with a maximum sulphur content of 0.8% air dried basis, maximum ash air dried basis of up to 18%, total moisture to a maximum of 38% net as received basis, maximum volatile matter air dried basis of up to 45% and will normalize to the standard specifications.

Basis and Location: CCI 3800 FOB Import Index editors will take into consideration cargoes of thermal coal loaded at Indonesian ports including but not exclusive to East Kalimantan and South Kalimantan and normalized to South Kalimantan.

Volume: The minimum-sized cargo applicable for price assessment purposes is 50,000 tonnes. All other sizes including split and part cargoes will be normalized to this volume. A cargo with size below 25,000 tonnes will not be taken into consideration.

Payment terms: Letter of Credit, cash or cash equivalent payable at sight.

Timing: The CCI 3800 FOB Import Index will reflect the price of coal loaded at South Kalimantan, Indonesia 15-45 days forward from the date of publication. For instance, on June 1 cargoes loading between June 16 and July 15 would be considered. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward laycans are normalized to the middle of the month for assessment purposes.

Availability: The CCI 3800 FOB Import Index is published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI 3800 FOB Import Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit: Prices are to be quoted in US dollars per tonne (\$/t) to two decimal places, excluding Value Added Tax.

5.7 The CCI Shanxi Low Sulphur Index

The CCI Shanxi Low Sulphur Primary Coking Coal Index (CCI Shanxi Low Sulphur Index) was launched by Fenwei on November 1, 2018.

The CCI Shanxi Low Sulphur Index is published as a daily 3-30 day forward price assessment for low-sulphur primary coking coal ex-washplant Shanxi.

Price Assessment: The assessment is in Chinese RMB per tonne, including 13% Value Added Tax.

Specifications: The standard specification for CCI Shanxi Low Sulphur Index will be as follows: typical ash of 10% dry basis, typical volatile matter of 22% dry and ash free, typical sulphur of 0.7% dry basis, GRI 85, CSR 65 and typical total moisture of 8%.

CCI Shanxi Low Sulphur Index editors will consider as relevant to the assessment process coals in a range of typical ash of 9-11% dry basis, typical volatile matter of 20-28% dry and ash free, typical total sulphur of 0.4-1% dry basis, GRI value above 75, and CSR above 60, and will normalize to the standard specifications.

Basis and Location: CCI Shanxi Low Sulphur Index editors will take into consideration cargoes of low-sulphur primary coking coal traded in Luliang, Linfen, Changzhi and Taiyuan and normalized to Anze in Linfen, on ex-washplant basis with Value Added Tax.

Volume: The minimum-sized cargo applicable for price assessment purposes is 2,000 tonnes.

Payment terms: Six months' credit. Cash or credit of other time period will be normalized to six months' credit.

Timing: The CCI Shanxi Low Sulphur Index will reflect the price of coal delivered 3-30 days forward from the date of publication. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward timings are normalized to the middle of the loading period.

Availability: The CCI Shanxi Low Sulphur Index will be published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI Shanxi Low Sulphur Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit: Prices are to be quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including 13% Value Added Tax.

5.8 The CCI Shanxi High Sulphur Index

The CCI Shanxi High Sulphur Primary Coking Coal Index (CCI Shanxi High Sulphur Index) was launched by Fenwei on November 1, 2018.

The CCI Shanxi High Sulphur Index is published as a daily 3-30 day forward price assessment for high-sulphur primary coking coal ex-washplant Shanxi.

Price Assessment: The assessment is in Chinese RMB per tonne, including 13% Value Added Tax.

Specifications: The standard specification for CCI Shanxi High Sulphur Index will be as follows: typical ash of 10.5% dry basis, typical volatile matter of 23% dry and ash free, typical sulphur of 1.6% dry basis, GRI 85, CSR 65 and typical total moisture of 8%.

CCI Shanxi High Sulphur Index editors will consider as relevant to the assessment process coals in a range of typical ash of 9-11% dry basis, typical volatile matter of 20-28% dry and ash free, typical sulphur of 1-2% dry basis, GRI above 75, CSR above 60.

Basis and Location: The CCI Shanxi High Sulphur Index editors will take into consideration cargoes of high-sulphur primary coking coal traded in Jinzhong, Linfen and other areas in Shanxi and normalized to Luliang, on ex-washplant basis with Value Added Tax.

Volume: The minimum-sized cargo applicable for price assessment purposes is 2,000 tonnes.

Payment terms: Six months' credit. Cash or credits of other time periods are normalized to the six-month credit.

Timing: The CCI Shanxi High Sulphur Index will reflect the price of coal delivered 3-30 days forward from the date of publication. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward timings are normalized to the middle of the loading period.

Availability: The CCI Shanxi High Sulphur Index will be published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI Shanxi High Sulphur Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis.

Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit: Prices are to be quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including 13% Value Added Tax.

5.9 The CCI Liulin Premium Index

The CCI Liulin Premium Index was launched by Fenwei on August 3, 2015.

The CCI Liulin Premium Index is published as a daily 3-30 day forward price assessment for low-sulphur primary coking coal ex-washplant Liulin county, Luliang city, Shanxi province.

Price Assessment: The assessment is in Chinese RMB per tonne, including 13% Value Added Tax.

Specifications: The standard specifications for CCI Liulin Premium Index are as follows: typical ash of 9.5% dry basis, typical volatile matter of 20% dry and ash free, typical sulphur of 0.65% dry basis, GRI 85, CSR 65 and typical total moisture of 8%.

CCI Liulin Premium Index editors consider as relevant to the assessment process coals in a certain range and normalize to the standard specifications.

Basis and Location: The CCI Liulin Premium Index takes into consideration cargoes of low-sulfur primary coking coal produced in Liulin county on the basis of ex-washplant. Trades in other areas in Luliang city are considered as CCI assessment prices.

Volume: The minimum-sized cargo applicable for price assessment purposes is 5,000 tonnes.

Payment terms: Six months' credit. Cash or credits of other time periods are normalized to the six-month credit.

Timing: The CCI Liulin Premium Index reflects the price of coal delivered 3-30 days forward from the date of publication. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward timings are normalized to the middle of the loading period.

Availability: The CCI Liulin Premium Index is published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI Liulin Premium Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit: Prices are quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including 13%

Value Added Tax.

5.10 The CCI Lingshi Fat Index

The CCI Lingshi Fat Index was launched by Fenwei on August 3, 2015.

The CCI Lingshi Fat Index is published as a daily 3-30 day forward price assessment for high-sulphur fat coal ex-washplant Lingshi county, Jinzhong city, Shanxi province.

Price Assessment: The assessment is in Chinese RMB per tonne, including 13% Value Added Tax.

Specifications: The standard specifications for CCI Lingshi Fat Index are as follows typical ash of 10% dry basis, typical volatile matter of 30% dry and ash free, typical sulphur of 1.8% dry basis, GRI 85, CSR 65 and typical total moisture of 8%.

CCI Lingshi Fat Index editors consider as relevant to the assessment process coals in a certain range and normalize to the standard specifications.

Basis and Location: The CCI Lingshi Fat Index takes into consideration cargoes of coking coal produced in Lingshi county on the basis of ex-washplant. Trades in other areas in Jinzhong city are considered as CCI assessment prices.

Volume: The minimum-sized cargo applicable for price assessment purposes is 5,000 tonnes.

Payment terms: Six months' credit. Cash or credits of other time periods are normalized to the six-month credit.

Timing: The CCI Lingshi Fat Index reflects the price of coal delivered 3-30 days forward from the date of publication. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward timings are normalized to the middle of the loading period.

Availability: The CCI Lingshi Fat Index is published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI Lingshi Fat Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit: Prices are quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including 13% Value Added Tax.

5.11 The CCI Shandong Semi-soft Index

The CCI Shandong Semi-soft Index was launched by Fenwei on August 3, 2015.

The CCI Shandong Semi-soft Index is published as a daily 3-30 day forward price assessment for Semi Soft ex-washplant Jining city, Shandong province.

Price Assessment: The assessment, in Chinese RMB per tonne, refers to prices on bank's draft for six months, including 13% Value Added Tax.

Specifications: The standard specifications for CCI Shandong Semi-soft Index are as follows typical ash of 8.5% dry basis, typical volatile matter of 35% dry and ash free, typical sulphur of 0.6% dry basis, GRI 70 and typical total moisture of 8%.

CCI Shandong Semi-soft Index editors consider as relevant to the assessment process coals in a certain range and normalize to the standard specifications.

Basis and Location: The CCI Shandong Semi-soft Index takes into consideration cargoes of coking coal produced in Jining city on the basis of ex-washplant. Trades in other areas in Shandong are considered as CCI assessment prices.

Volume: The minimum-sized cargo applicable for price assessment purposes is 5,000 tonnes.

Payment terms: Six months' credit. Cash or credits of other time periods are normalized to the six-month credit.

Timing: The CCI Shandong Semi-soft Index reflects the price of coal delivered 3-30 days forward from the date of publication. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward timings are normalized to the middle of the loading period.

Availability: The CCI Shandong Semi-soft Index is published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI Shandong Semi-soft Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit: Prices are quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including 13% Value Added Tax.

5.12 The CCI Shanxi PCI Index

The CCI Shanxi PCI Index was launched by Fenwei on August 3, 2015.

The CCI Shanxi PCI Index is published as a daily 3-30 day forward price assessment for PCI coal ex-washplant Changzhi city, Shanxi province.

Price Assessment: The assessment is in Chinese RMB per tonne, including 13% Value Added Tax.

Specifications: The standard specifications for CCI Shanxi PCI Index will be as follows: typical ash of 12% dry basis, typical volatile matter of 12% dry and ash free, typical sulphur of 0.5% dry basis and typical total moisture of 8%.

CCI Shanxi PCI Index editors consider as relevant to the assessment process coals in a certain range and normalize to the standard specifications.

Basis and Location: The CCI Shanxi PCI Index takes into consideration cargoes of PCI coal produced in Changzhi city on the basis of ex-washplant basis. Trades in other areas in Shanxi are considered as CCI assessment prices.

Volume: The minimum-sized cargo applicable for price assessment purposes is 5,000 tonnes.

Payment terms: Six months' credit. Cash or credits of other time periods are normalized to the six-month credit.

Timing: The CCI Shanxi PCI Index reflects the price of coal delivered 3-30 days forward from the date of publication. The assessment reflects the midpoint of the loading period. Cargoes traded with more prompt or further forward timings are normalized to the middle of the loading period.

Availability: The CCI Shanxi PCI Index is published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The CCI Shanxi PCI Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit: Prices are quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including Value Added Tax.

Basis and Location: The Shanxi PCI Index takes into consideration cargoes of PCI coal traded in Changzhi city on the basis of ex-washplant. Trades in other areas in Shanxi are considered as CCI assessment prices.

Volume: The minimum-sized cargo applicable for price assessment purposes is 5,000 tonnes.

Payment terms: Six months' credit. Cash or credits of other time periods are normalized to the six-month credit.

Timing The Shanxi PCI Index reflects the price of coal delivered 3-30 days forward from the date of publication. Cargoes traded with more prompt or further forward laycans are normalized to

the middle of the loading period.

Availability: The CCI Shanxi PCI Index is published daily in Price column of sxcoal.com and in electronic periodicals like CCI Daily and China Coal Weekly.

Assessment Time: The Shanxi PCI Index reflects the transactable value prevailing at 17:00 Beijing local time. The assessment methodology reflects values on a market on close basis. Trading activity, including bids/offers and transactions, is covered during the typical operating day with data cut off for inclusion in the assessment precisely at 17:00 Beijing local time.

Unit Prices are quoted in Chinese RMB per tonne (RMB/t) to two decimal places, including 13% Value Added Tax.