



**Exhibit A:
February 7, 2019 Addition to Nodal Exchange
Contract Specification**

California Carbon Allowance Specific Vintage 2022 Future

ITEM	SPECIFICATION
Contract Description	Physically delivered greenhouse gas emissions allowances where each is an allowance issued by the California Air Resources Board or a linked program ("California Carbon Allowance") representing one metric ton of CO ₂ equivalent under California Assembly Bill 32 "California Global Warming Solutions Act of 2006" and its associated regulations, rules and amendments, all together known as the "California Cap and Trade Program".
Contract Code	WSF
Settlement Method	Physical Delivery
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot
Lot Size	1,000 California Carbon Allowances
Currency	US Dollars
Minimum Tick	\$0.01 per California Carbon Allowance
Settlement Price Precision	\$0.01 per California Carbon Allowance
Last Trading Day	Three Business Days prior to the last Business Day of the delivery month
Delivery Day	Three Business Days after the Last Trading Day (Last Business Day of the delivery month)
Contract Series	Monthly contracts for current year (starting from March 2019), plus an additional 3 years. The exchange may list any other calendar month contract set off the standard listing cycle for up to 10 years.
Deliverable Product	The deliverable instruments are California Carbon Allowances equal to the contract size delivered through the California Compliance Instrument Tracking System Services (CITSS). California Carbon Allowances acceptable for delivery are those issued as a limited authorization to emit up to one metric ton of CO ₂ or CO ₂ equivalent in the California Cap and Trade Program having a vintage corresponding to the specified vintage year only.
Registry	Compliance Instrument Tracking System Services (CITSS)
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The Daily Settlement Price on the Last Trading Day
Delivery	On the Last Trading Day, the Exchange will provide the Clearing House with information identifying the Participants with delivery obligations for the purpose of issuing Tender and invoice notices in accordance with Section IX (Physical Delivery and Settlement) of the Nodal Clear Rulebook.

ITEM	SPECIFICATION
Final Settlement (Payment) Date	Three or four Business Days after the Last Trading Day on the successful delivery of the underlying instruments (if the delivery confirmation is available by 11:30am on the third Business Day after the Last Trading Day, the payment will be made on the same day during the Midday Margin Cycle; if it is available after 11:30am, the payment will be made on the next Margin Cycle which will be the next Business Day)
Position Limit	Spot Month: 4,500 lots, Single Month Accountability Level: 4,500 lots, All Month Accountability Level: 4,500 lots
Margin Unit	US Dollars

California Carbon Allowance Specific Vintage 2022 Option

ITEM	SPECIFICATION
Contract Description	An Option on the corresponding month of the California Carbon Allowance Specific Vintage 2022 Future.
Option Style	European
Underlying Contract	WSF
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	1 lot of the Underlying Contract
Unit of Trading	1 lot, as defined in Contract Size per lot
Strike Price	A minimum of ten Strike Prices in increments of \$0.05 above and below the at-the-money Strike Price. The at-the-money strike price is the closest interval nearest to the previous day's Settlement Price of the Underlying Contract. Strike Price boundaries are adjusted according to futures price movements. User-defined Strike Prices are allowed in \$0.05 increments.
Currency	US Dollars
Minimum Tick	\$0.001 per California Carbon Allowance
Settlement Price Precision	\$0.001 per California Carbon Allowance
Last Trading Day	At 4:00 pm EPT on the 15th calendar day of the delivery month. Where the 15th calendar day is not a Business Day, the Last Trading Day shall be the first Business Day following the 15th calendar day of the delivery month.
Contract Series	Monthly contracts for current year (starting from March 2019), plus an additional 3 years. The exchange may list any other calendar month contract set off the standard listing cycle for up to 10 years.
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 5:30 pm EPT on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options.
Settlement Method	Exercise into Underlying Contracts
Position Limit	Spot Month: 4,500 lots, Single Month Accountability Level: 4,500 lots, All Month Accountability Level: 4,500 lots. Weighted by Option delta and combined with Underlying Contract position
Margin Unit	US Dollars

California Carbon Allowance Vintage 2022 Future

ITEM	SPECIFICATION
Contract Description	Physically delivered greenhouse gas emissions allowances where each is an allowance issued by the California Air Resources Board or a linked program ("California Carbon Allowance") representing one metric ton of CO2 equivalent under California Assembly Bill 32 "California Global Warming Solutions Act of 2006" and its associated regulations, rules and amendments, all together known as the "California Cap and Trade Program".
Contract Code	WCF
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Lot Size	1,000 California Carbon Allowances
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Contract Series	Monthly contracts for current year (starting from March 2019), plus an additional 3 years. The exchange may list any other calendar month contract set off the standard listing cycle for up to 10 years.
Deliverable Product	The deliverable instruments are California Carbon Allowances equal to the contract size delivered through the California Compliance Instrument Tracking System Services (CITSS). California Carbon Allowances acceptable for delivery are those issued as a limited authorization to emit up to one metric ton of CO2 or CO2 equivalent in the California Cap and Trade Program having a vintage corresponding to the specified vintage year and allowances having a vintage of any year prior to the specified vintage-year. If the specified vintage year allowances do not exist in the CITSS at contract expiry, allowances of any prior vintage year or allowances of the earliest vintage year available in the CITSS shall be delivered.
Registry	Compliance Instrument Tracking System Services (CITSS)
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The Daily Settlement Price on the Last Trading Day

ITEM	SPECIFICATION
Delivery	On the Last Trading Day, the Exchange will provide the Clearing House with information identifying the Participants with delivery obligations for the purpose of issuing Tender and invoice notices in accordance with Section IX (Physical Delivery and Settlement) of the Nodal Clear Rulebook.
Final Settlement (Payment) Date	Three or four Business Days after the Last Trading Day on the successful delivery of the underlying instruments (if the delivery confirmation is available by 11:30am on the third Business Day after the Last Trading Day, the payment will be made on the same day during the Midday Margin Cycle; if it is available after 11:30am, the payment will be made on the next Margin Cycle which will be the next Business Day)
Position Limit	Spot Month: 25,000 lots, Single Month Accountability Level: 25,000 lots, All Month Accountability Level: 30,000 lots
Margin Unit	US Dollars

California Carbon Allowance Vintage 2022 Option

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Contract Description	An Option on the corresponding month of the California Carbon Allowance Vintage 2022 Future.
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Settlement Method	Exercise into Underlying Contracts
Position Limit	Spot Month: 25,000 lots, Single Month Accountability Level: 25,000 lots, All Month Accountability Level: 30,000 lots. Weighted by Option delta and combined with Underlying Contract position
Margin Unit	US Dollars