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in conjunction with **Fundamental Analytics** *present:*

Fundamental Analytics -Understand Current Energy Supply and Demand Status and What the Data is Suggesting for 2021

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After choosing the Energy icon we view the energy commodity choices.



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Prices is highlighted with the Crude Oil product.



Using the dropdown we choose Instruments and Spreads.



Then we click on Plot Data



A year –on-year plot is created of the NYMEX March WTI Crude Oil futures prices price going back to 2011.



Using the dropdown again under Prices we choose the Forward Curve.

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		*	
	Fundamentals	Prices	
Select Chart	Plot Data		
Select Chart			
Basis			
Daily Price Table			
Forward Curve			
Futures Vs Open Interest			
High-Low-Close			
Historic Volatility			
Implied Volatility			
Implied Volatility Delta			
Implied Volatility Skew			
Instruments And Spreads			
Open Interest			
Open Interest - Compare Contracts			
Open Interest - Data Table			
Open Interest - Totals			
Spread Matrix			
Term Structure			

Clicking on the Plot Data button retrieves a graph of the Forward Curve of Prices of Natural Gas settles.



We Add Position and click on the date box to bring up another date to compare with the most recent.



We can now compare the change in the level and structure of the forward curves.



We now consider Fundamental data as they provide insights to price behavior. We click on the Fundamentals bar and use the dropdown to retrieve DOE (Department of Energy) data.



After clicking on DOE we retrieve Crude Oil.



We then choose Total Stocks and the seasonality of storage.



We then click on the Chart tab and choose Series which displays the data in time series format.



We then click on the Duplicate icon, and change from Total US to Cushing, Ok

Fundamentals	C B() ×	Fundamentals	C B C X	+			
		Fund	amentals				Prices
Plot Data	USA	DOE + Cr	ude Oil 🔸 Sta	ocks)	Commercial +	Cushing, C	g, Oklohoma 🕨 Weekly
Data Show	All Series) 1y All					+1 USA -> DOE -> CRUDE OIL -> PRODUCTION -> DOMESTIC PRODUCTION -

Clicking on the Plot Data button brings up the year-on-year chart of Cushing, OK region, the delivery point of he NYMEX WTI crude oil contract.



We now switch back to NYMEX Crude Oil prices



Using the dropdown Select Chart we again choose Instruments and Spreads

Fur	ndamentals	Prices	
Select Chart	Plot Data		
Select Chart	asoline RBOB 🔸		
Basis			
Daily Price Table			
Forward Curve			
Futures Vs Open Interest			
High-Low-Close			
Historic Volatility			
Implied Volatility			
Implied Volatility Delta			
Implied Volatility Skew			
Instruments And Spreads			
Open Interest			
Open Interest - Compare Contracts			
Open Interest - Data Table			
Open Interest - Totals			
Spread Matrix			
Term Structure	All fundamental supply of Energy, the Energy	y/demand data are from the Department Information Administration. Price data	
		Nurco: Barchart/CME	

This time we change the default from March to June



By clicking on the Plot Data button we retrieve the year-on-year chart of the June WTI Crude oil prices.



We can zoom in to a portion of the chart by left clicking on the mouse and dragging it over the area of interest in the chart as shown by the blue shading.



Releasing the mouse click shows the zoomed in area.



Clicking on the dropdown of Price and choosing Absolute Change allows the chart to translate the plots to start at zero and show the change.



The change in the March Natural Gas price into expiration is shown.



Clicking on the + box adds another position or "leg" and we construct the June-Dec crude oil calendar spread.



Clicking on the Plot Data button retrieves the June-Dec crude oil calendar spread which can be a leading indicator of crude oil supplies for the upcoming driving season

