

## Structured Product Details

Name SuperTrack Notes linked to the Energy Select Sector SPDR Fund	
Issue Size	\$1.00 million
Issue Price	\$1,000
Term	13 Months
Annualized Coupo	n 0.00%
Pricing Date	February 23, 2010
Issue Date	February 26, 2010
Valuation Date	March 23, 2011
Maturity Date	March 28, 2011
Issuer	Barclays
CDS Rate	69.31 bps
Swap Rate	0.89%
Reference Asset Initial Level Dividend Rate Implied Volatili Delta <sup>1</sup>	Energy Select Sector SPDR Fund \$55.61 1.84% ty 27.78% 0.66
Fair Price at Issue Realized Return CUSIP SEC Link data/3120	\$925.33 15.11% 06740JVU1 www.sec.gov/Archives/edgar/ 70/000119312510040999/d424b2.htm

Structured Products Research Report

Report Prepared On: 11/01/12

# SuperTrack Notes linked to the Energy Select Sector SPDR Fund

## Description

Barclays issued \$1.00 million of SuperTrack Notes linked to the Energy Select Sector SPDR Fund on February 26, 2010 at \$1,000 per note.

These notes are Barclays-branded PLUS securities that do not pay periodic coupons, but instead pay a single amount at maturity depending on Energy Select Sector SPDR Fund's share price at maturity.

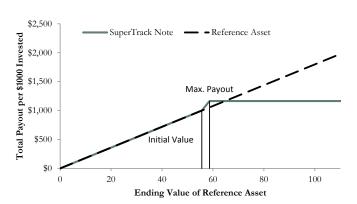
If Energy Select Sector SPDR Fund's share price on March 23, 2011 is higher than \$55.61, but lower than \$58.66, the notes pay a return equal to the percentage increase in Energy Select Sector SPDR Fund multiplied by 3.0. If on March 23, 2011 Energy Select Sector SPDR Fund's share price is above the \$58.66, the notes pay the maximum payout of \$1,164.50. If on March 23, 2011 Energy Select Sector SPDR Fund's share price is below \$55.61, investors receive the face value per note reduced by the percentage decline in the reference asset. The notes will pay nothing at maturity if the reference asset declines to zero.

## Valuation

This note can be valued as a combination of a note from Barclays, a short at-the-money put option, three long at-the-money call options, and three short out-of-the-money call options. The short at-the-money put option exposes investors to any decline in Energy Select Sector SPDR Fund. The three short out-of-the-money call options has the strike price of \$58.66, and limits the maximum return of the notes beyond the cap level. For reasonable valuation inputs this note was worth \$925.33 when it was issued on February 26, 2010 because the value of the options investors gave Barclays plus the interest investors tors would have received on Barclays's straight debt was worth \$74.67 more than the call options investors received from Barclays.

There is no active secondary market for most structured products. Structured products, including this note, therefore are much less liquid than simple stocks, bonds, notes and mutual funds. Investors are likely to receive less than the structured product's estimated market value if they try to sell the structured product prior to maturity. Our valuations do not incorporate this relative lack of liquidity and therefore should be considered an upper bound on the value of the structured product.

## Payoff Curve at Maturity



The payoff diagram shows the final payoff of this note given Energy Select Sector SPDR Fund's share price (horizontial axis). For comparison, the dashed line shows the payoff if you invested in Energy Select Sector SPDR Fund directly.

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## **Related Research**

**Research Papers:** 

www.slcg.com/research.php

- "Are Structured Products Suitable for Retail Investors?" December 2006.
- "Structured Products in the Aftermath of Lehman Brothers," November 2009.
- "What TiVo and JP Morgan Teach Us about Reverse Convertibles," June 2010.

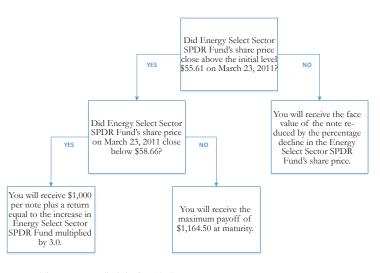
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## Principal Payback Table

Energy Select Sec- tor SPDR Fund	Note Payoff
\$0.00	\$0.00
\$5.56	\$100.00
\$11.12	\$200.00
\$16.68	\$300.00
\$22.24	\$400.00
\$27.81	\$500.00
\$33.37	\$600.00
\$38.93	\$700.00
\$44.49	\$800.00
\$50.05	\$900.00
\$55.61	\$1,000.00
\$61.17	\$1,164.50
\$66.73	\$1,164.50
\$72.29	\$1,164.50
\$77.85	\$1,164.50
\$83.42	\$1,164.50

## Maturity Payoff Diagram

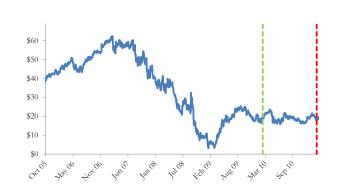


The contingent payoffs of this SuperTrack Note.

## Analysis

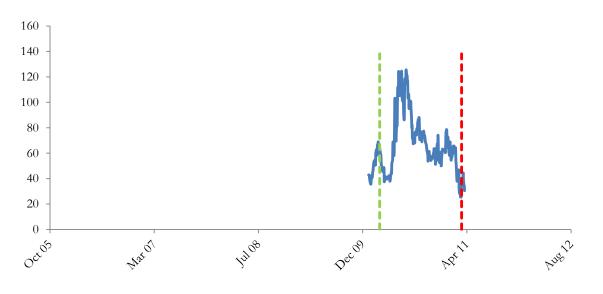
This SuperTrack Note pays investors the increase in Energy Select Sector SPDR Fund multiplied by 3.0 capped at 16.45%, but if Energy Select Sector SPDR Fund declines over the term of the note, investors will suffer losses equal to the percentage decline in Energy Select Sector SPDR Fund. In addition, investors bear the credit risk of Barclays. Investors purchasing this SuperTrack Note effectively sell at-the-money put and out-of-the-money call options to Barclays, buy at-the-money call options, and a zero-coupon note from Barclays. This SuperTrack Note is fairly priced if and only if the market value of the options investors received from Barclays equals the market value of the options investors gave Barclays plus the interest investors would have received on Barclays's straight debt.

### **Barclays's Stock Price**

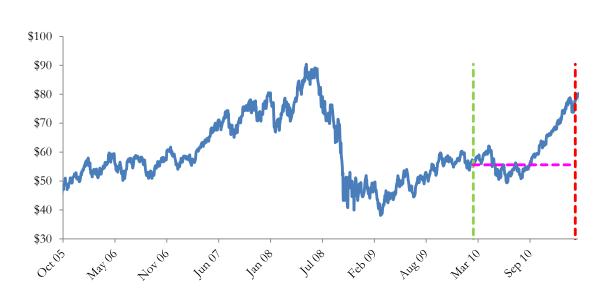


The graph above shows the adjusted closing price of the issuer Barclays for the past several years. The stock price of the issuer is an indication of the financial strength of Barclays. The adjusted price shown above incorporates any stock split, reverse stock split, etc.

## Barclays's CDS Rate



Credit default swap (CDS) rates are the market prize that investors require to bear credit risk of an issuer such as Barclays. CDS rates are usually given in basis points (bps). One basis point equals 0.01%. Higher CDS rates reflect higher perceived credit risk, higher required yields, and therefore lower market value of Barclays's debt, including outstanding SuperTrack Note. Fluctuations in Barclays's CDS rate impact the market value of the notes in the secondary market.



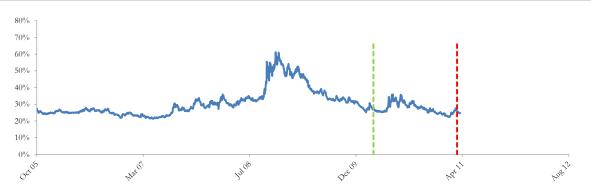
## Energy Select Sector SPDR Fund's Share Price

The graph above shows the historical levels of Energy Select Sector SPDR Fund for the past several years. The final payoff of this note is determined by Energy Select Sector SPDR Fund's share price at maturity. Higher fluctuations in Energy Select Sector SPDR Fund's share price correspond to a greater uncertainty in the final payout of this SuperTrack Note.

### **Realized Payoff**

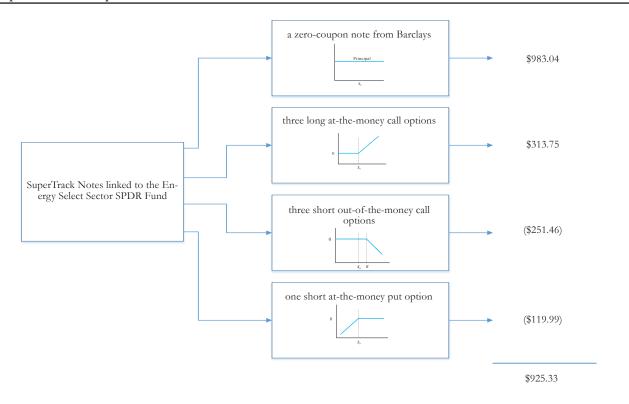
This note matured on March 28, 2011 and investors received \$1,164.50 per note.

## Reference Asset Energy Select Sector SPDR Fund's Implied Volatility



The annualized implied volatility of Energy Select Sector SPDR Fund on February 23, 2010 was 27.78%, meaning that options contracts on Energy Select Sector SPDR Fund were trading at prices that reflect an expected annual volatility of 27.78%. The higher the implied volatility, the larger the expected fluctuations of Energy Select Sector SPDR Fund's share price and of the Note's market value during the life of the Notes.

### Decomposition of this SuperTrack Note



This note can be decomposed into different components, and each component can be valued separately. The chart above shows the value of each component of this SuperTrack Note.

- Delta measures the sensitivity of the price of the note to the Energy Select Sector SPDR Fund's share price on February 23, 2010.
  CDS rates can be considered a measure of the probability that an issuer will default over a certain period of time and the likely loss given a default. The lower the CDS rate, the lower the default probability. CDS rate is given in basis points (1 basis point equals 0.01%), and is considered as a market premium, on top of the risk-free rate, that investors require to insure against a potential default.
  Fair price evaluation is based on the Black-Scholes model of the Energy Select Sector SPDR Fund on February 23, 2010.
  Calculated payout at maturity is only an approximation, and may differ from actual payouts at maturity.
  Our evaluation does not include any transaction fees, broker commissions, or liquidity discounts on the notes.

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