Cover story originally published in the April 25, 2005 issue of The Ux Weekly.

April 25, 2005 Volume 19 Issue 17



A weekly publication of UxC

Risk Asymmetry and Market **Behavior**

prices were about in

On our editorial calendar for Price Risk and Long-Term Perhaps the most revealing this week we planned the first of two articles on bullish and bearish arguments for future movements in the uranium prices had been under price. However, once we thought about it, we realized that this space mean that we couldn't come reflected growing concern up with bearish arguments; about the availability of

it is just that we are at a stage where it is not even a and later timeframe, and between price going up or risk premium that was going down.

This decision was crystallized by the nature of commanded over the spot questions that we have been asked recently. One question is what could happen to push price down. eliminate the quantity Aside from the possibility of flexibilities in long-term a reactor accident, this is a contracts and eliminate difficult question to answer. options, shifting more risk Another question that we have been asked is what steps can be taken to help shore up supply over the next five to ten years. This Of course, the classic way is also a very difficult question to answer.

These questions lead us and how it is currently being price, which locks in the addressed in the market. There is now more risk that price paid under the price will increase than decline, and an additional element of risk is whether

equilibrium, although both upward pressure for some to \$40 and higher and in time. Several months later, some cases ceilings have the long-term price was supplies out in the 2006 higher than the \$1-\$2 historical risk premium that the long-term price price to lock in future supplies. Producers were also able to reduce or about future market developments away from

of dealing with price risk is through market price contracts. Typically, price is of supply risk. allowed to fluctuate

themselves onto buyers.

directly to the subject of risk between a floor and ceiling In recent weeks, we have downside and upside of the utilities grading producers in contract. (These are known have heard rankings such as limited price risk contracts.) Traditionally, the such as "top tier" and "just

Contracts - This time last aspect of how the allocation year the long-term and spot of price risk has evolved is the treatment of ceiling prices. Quoted ceiling prices have gone from \$30 been eliminated altogether. could be better occupied by several dollars higher than This demonstrates a type of another topic. This does not the spot price. This change price risk asymmetry in that the opportunity for the contract price to go much higher than its present level is much higher than its close call if one has to pick utilities were willing to pay a opportunity to go lower (if it has any opportunity to go lower).

> Supply Risk - You may ask the question why a utility would sign a contract with a high ceiling price or no ceiling price. The answer is that, unlike producers, utilities must contend with supply risk as well as price risk (this is another type of risk asymmetry). In this context, although signing a market price contract with no ceiling means that a utility is taking on all of the price risk, the utility is at least addressing the issue

> also heard more about terms of supply risk. We as A, A-, etc., and terms

sufficient supplies will be risk is reflected in market behavior, particularly in contracting for long-term to trace how the allocation of risk has evolved.

price referenced as the available in the future. This market price has been the spot price, and usually at a are compensating for this discount. At times when spot supplies were plentiful, holding more inventory. In supplies, and it is instructivelong-term contracts had no this respect, it would seem floor prices, but suppliers had the opportunity of not a specified level.

delivering if price fell below associated with a particular producer should be translated into the price The recent changes in paid to that producer due to market price contracting are the costs associated with especially revealing when it holding inventory. comes to the issue of price risk. Producers have been There is also clearly an

able to get floor prices that increasing concern about are higher than spot prices supply diversification, at the time the contract was another way of addressing signed. Discounts off of the supply risk. However, there spot price have disappeared. Indeed, producers have been able supply, especially in the out to command premiums over years, and this has added the spot price to the extent to the worries on the part of that they have signed contracts that reference

are not a lot of producers with which to diversify some utilities about supply risk.

below top tier" applied to

producers. Some utilities

that somehow the relative

greater supply risk by

amount of supply risk

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long-term prices instead of

the spot price.