

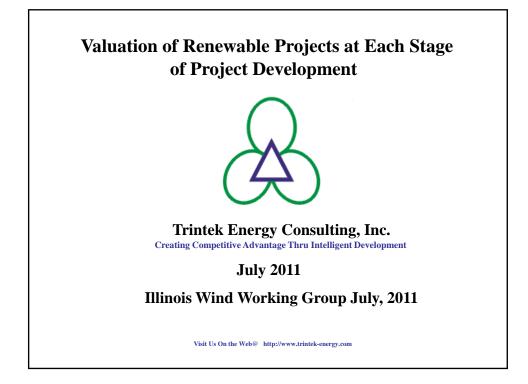
Advancing Wind Power in Illinois Conference 2011

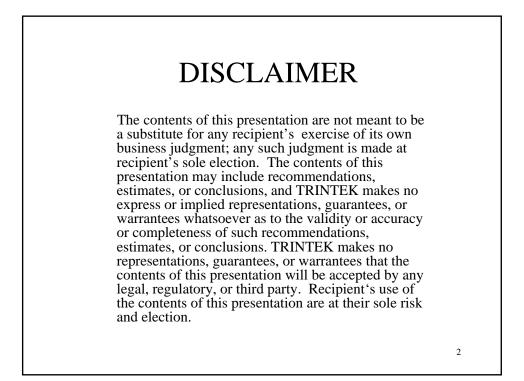
Tim Libson

Trintek Energy

Project Valuation Breakout Seminar

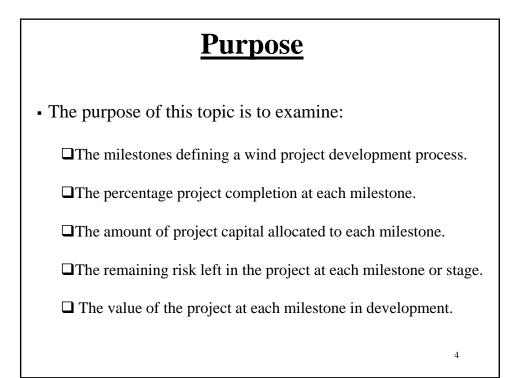
Thursday, July 21, 2011, 4:00 PM





Overview

- Many wind energy projects/companies have been for sale.
- However, a lot of deals discussed, never get closed.
- A big reason is buyer-seller perception differences or gaps.
 Market's solution is to leave the value undetermined and use "earn-out" structures with milestones to be met.
- Educating buyers and sellers on value at each milestone in development is a start in closing the "value perception gap".



Market Value

• Valuation is not an exact science, there is some art involved.

Theoretical Definition

•A transaction involves a willing buyer and a willing seller.

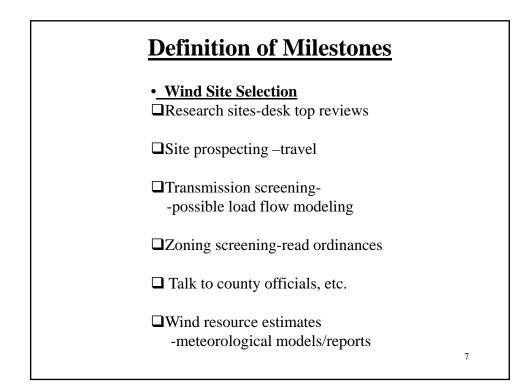
•Both parties act in their own best interests to get the best price.

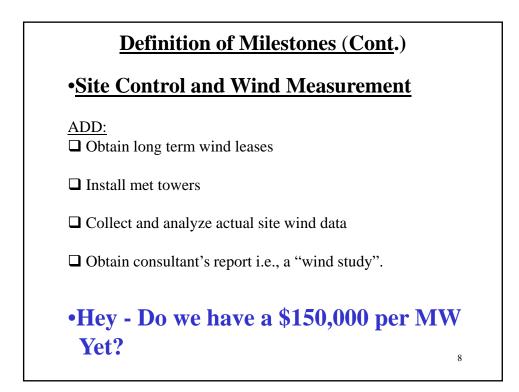
•In theory, both have equal bargaining power and equal information.

•This results in a transaction at "Market Value".

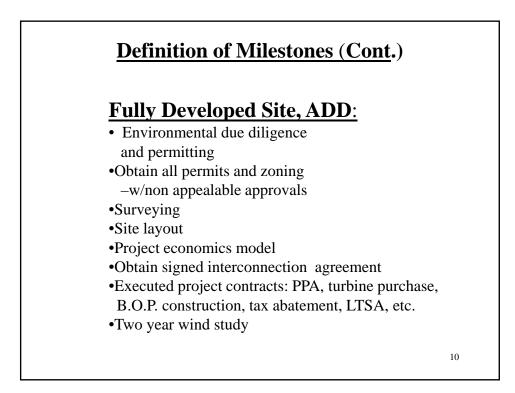
Buyer-Seller Dance

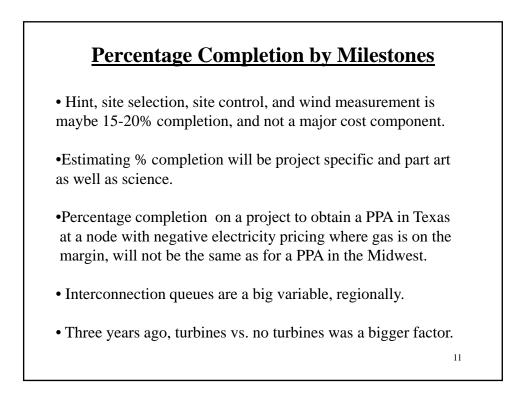
- Why can't buyers and sellers meet each other's expectations?
 It's a little like selling your home—you always believe it is worth more than the other fellow does.
- Volatility of power prices, turbine costs.
- Volatility of financing alternatives.
- Volatility of regulatory changes, PTC, ITC-Cash Grant, RPS's.
- Going forward, the reality of transmission, zoning, and PPA availability (price of Natural gas), vs. yesteryear's low hanging fruit.
- Wall Street myths, apples and oranges comparisons.







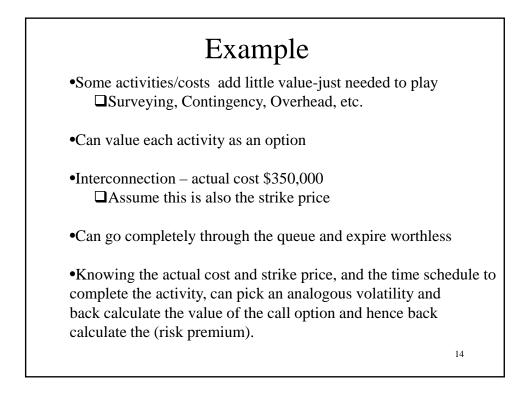


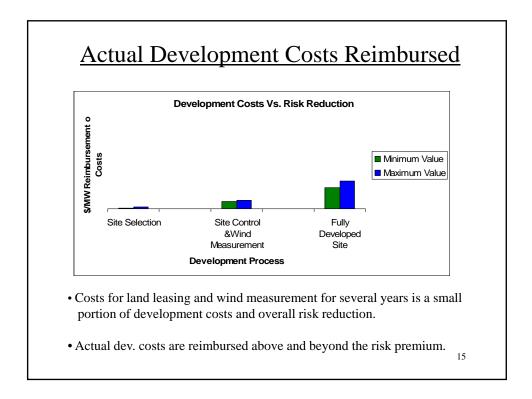


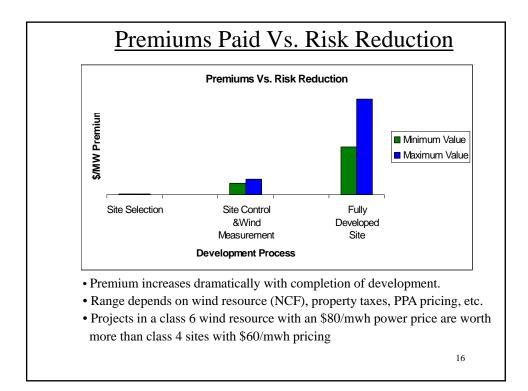
	t Development Life Cycle Assumes 100 MW Block of Wind Power						
SNO	KEY STEPS	ACTUAL COST/MW \$/MW	RISK PREMIUM ABOVE COST \$/MW	MARKET VALUE (ACT. COST PLUS PREMIUM) \$/MW	PERCENTAGE OF TOTAL COST %	PERCENT COMPLETION %	
		A	В	(A+B)			
1 2 3 4 5 6 5 5 7 8 9 10 11 12 13 14 15 16	SITE SELECTION SITE SELECTION SITE CONTROL / LAND AGREEMENTS WIND ASSESSMENT ENVIRONMENTAL REVIEW PERMITTING AND ZONING SURVEYING ECONOMIC MODELING INTERCONNECTION STUDIES DEVELOPMENT TEAM WAGES/SVCS. NEGOTIATION OF PPA TURBINE PROCUREMENT CONSTRUCTION CONTRACTING FINANCING, INCL DSR, IDC, FEES, WORKING CAPITAL DEVELOPMENT FEE PAID OUT CONTINGENCY MISC & ADMIN OVER HEAD						
	TOTAL COST TO DEVELOP AND CONSTRUCT \$/MW	1,500,000*	Sum of B \$/MW	Sum of A+B's \$/MW MARKET	100%	100%	
	*Normal Terrain and Interconnection costs 2012		PREMIUM	VALUE			

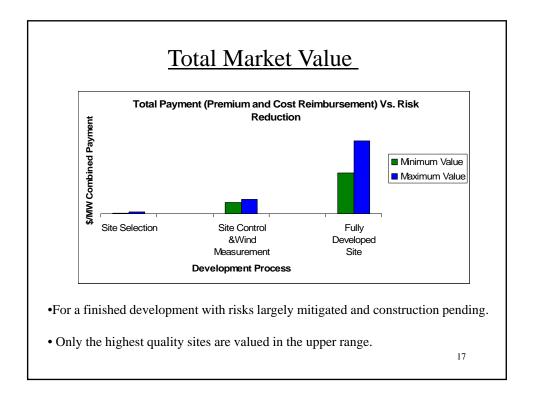
Derive Valuations by Milestone

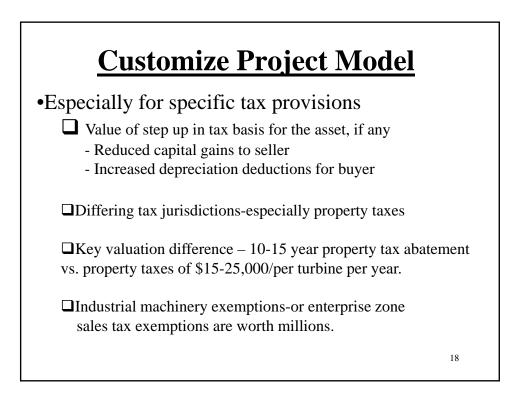
- •Valuation is tied to the \$NPV from the project economic model. □If project is completed, it is worth \$NPV/MW.
- •Valuation is then allocated to development cost steps/activities.
- •Can enter risk premium spreadsheet, and derive \$/MW value for a certain set of milestones or certain percentage of completion.
- This approach works on a specific project or multiple projects sharing the same or nearly identical characteristics, i.e., Midwest, 33% C.F., same tax jurisdiction, etc.

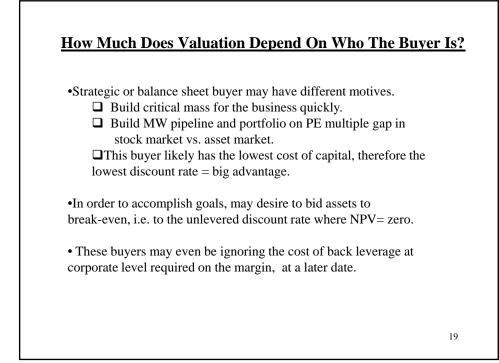


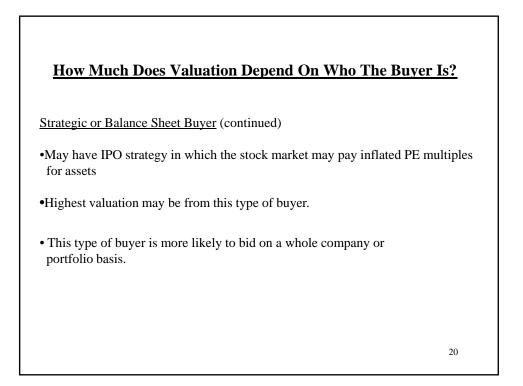












<u>Other Buyers – Purchasing For A Return</u> <u>in the Asset Market</u>

•Most buyers will want to make a normal return on the acquisition.

•I.e., what a buyer can afford to pay and still make a reasonable levered after tax return of around 15% assuming approximately 60% leverage at project level.

• An asset buyer focused on value creation on a project basis in the asset market will not be able to match the \$/MW that strategic buyer will perceive due to the lower cost of capital of the strategic buyer.

•Market appears to over-price assets--sellers under estimate operating costs, property taxes, working capital, and a number of costs, intentionally or otherwise.

•If so, this may suggest more of a Greenfield strategy, or at least points to focusing on purchasing earlier stage assets which should not command as much premium valuation.

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Detailed Due Diligence Check List

•Due Diligence Issues Will Also Affect Valuation

Wind Resource Transmission Match Land, leases vs. title search and survey Zoning vs. layout- Design MW's vs. real MW's Permits Economics Model Project Contracts Financing Schedule

