

Hexcrete Tower for Harvesting Wind Energy at Taller Hub Heights (DE-EE0006737)

Workshop 3 - HEXCRETE COMMERCIALIZATION WORKSHOP

Date: June22 and 23, 2016

Location: Crowne Plaza Denver Airport Convention Ctr, Denver, CO

Overall Objective: Present wind resources at elevated hub heights and showcase Hexcrete

technology as an excellent choice for constructing tall wind turbine

towersand reducing levelized cost of energy (LCOE).

Workshop Format: Technical presentations and panel discussion

Organizers: Sri Sritharan and Julienne Krennrich

AGENDA

	Activity – June 22, 2016 (Atrium)	Time	
1.	Workshop Reception (Heavy hors d'oeuvres & cash bar)	6:30 pm – 8.00 pm	
	Topic/Activity – June 23, 2016 (Vail Room)	Time	
2.	Continental Breakfast and Registration	7:45 am	
3.	<u>Introduction</u> – Sri Sritharan, ISU	8:30 am	
Keynote Presentation - 1			
4.	<u>U.S. DOE Wind Program Overview</u> – Enabling Wind Nationwide – <i>Megan McCluer, DOE</i>	8:45 am	
Hexcrete Tower Technology			
5.	Concept and Benefits – Sri Sritharan, ISU	9:15 am	
6.	Tower Design – Robert Peggar, ISU	9:30 am	
7.	Tower Optimization – <i>Elaine Tang, SIEMENS Corporate Tech.</i>	9:45 am	
8.	Foundation Design – Markus Wernli, BergerABAM	10:00 am	
	Coffee Break	10:15 am	
9.	Tower Fabrication and Structural Testing – <i>Todd Culp</i> , <i>Coreslab Omaha</i> ; and <i>Sri Sritharan</i> , <i>ISU</i>	10.30 am	
10.	Tower Assembly, Scheduling and LCOE – <i>Phil Barutha</i> , <i>ISU;David Jeong,ISU;and Tyler Stehly</i> (NREL)	10:45 am	
11.	. Q/A and Discussion – Julienne Krennrich (Lead)	11:10 am	
Tall Wind Characterization			
12.	Wind Energy Potential in the Midwest at Higher Hub Heights – Gene Takle, ISU	11:30 am	



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13. Using SoDAR Wind Profiling to Characterize Winds at Hub Height and Beyond – <i>Nic Wilson, Vaisala</i>	11:45 am		
14. Q/A and Discussion – <i>Sri Sritharan</i> (<i>Lead</i>)	12:00 pm		
Lunch (Atrium)	12:10 pm		
Keynote Presentation – 2 (Vail Room)			
15. Opportunities for Wind Power in Low- and Mid-Quality Resource Regions – <i>Eric Lantz</i> , <i>NREL</i>	1:00 pm		
Panel Discussion – Hexcrete/Tall Tower Implementation			
Lead : Jason Cottrell, NREL; Members : Markus Wernli, BeregrABAM; Kirk Morgan, BARR; Chandler Thomas, Mortenson; and David Dieter, Midstate Precast			
16. Introduction - Jason Cotrell, NREL	1:30 pm		
17. SWOT Analyses of Hexcrete Technology – Markus Wernli, Berger ABAM	1:40 pm		
18. Foundations for Tall Towers – <i>Kirk Morgan</i> , <i>BARR</i>	2:00 pm		
19. Scheduling and Crane Considerations – <i>Chandler Thomas</i> , <i>Mortenson</i>	2:10 pm		
20. Precast Industry Considerations – <i>David Dieter</i> , <i>Midstate Precast</i>	2:20 pm		
21. Q/A and Discussion – Jason Cotrell (Lead)	2:30 pm		
22. Next steps: Overview of commercialization path, schedule and ISU role – <i>SriSritharan</i> , <i>ISU and Markus Wernli</i> , <i>BergerABAM</i>	3:00 pm		
23. Closure of Workshop – <i>Julienne Krennrich</i> , <i>ISU</i>	3:15 pm		
Coffee Break	3:20pm		
Discussion on Prototyping of a Hexcrete Tower (Vail Room) – Participation Optional Lead: Sri Sritharan, ISU; Julienne Krennrich, ISU			
24. Implementation strategy	3:30 pm		
25. Joint Industry Partnership (JIP)	3:45 pm		
26. Discussion and Q/A	4:00 pm		
27. Identify Potential Members for JIP	4:30 pm		
28. Adjourn	5:00 pm		