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IPU Grid School Course II:

Supply-Side: Energy and Storage, Resource and System Planning, and Reliability and Security

April 8-10, 2025 - Live Online Learning

IPU Power Grid School covers the engineering and economics of the electric utility systems across the supply chain for power and its transformation, from generation to transmission to distribution.

Program Agenda

All times are eastern standard time.

April 8 – Tuesday: Generation and Storage

10:00-11:20 am 80 min.	Status and future of natural gas supply and infrastructure [Deupree]	
11:40-1:00 pm 80 min.	Developing and permitting wind, solar, and storage [Loomis]	
2:00-3:20 pm 80 min.	Sustainability, supply chains, and technology life cycles [Hanna]	
3:40-5:00 pm 80 min.	Risk assessment and physical cybersecurity [Ten]	
April 9 – Wednesday: Resource and System Planning		
10:00-11:20 am 80 min.	Integrated resource planning, portfolios, and permitting [Wilson and Glick]	
11:40-1:00 pm 80 min.	Transmission expansion, optimization, and coordination [Wise, Heller, and Kemp]	
2:00-3:20 pm 80 min.	Nuclear power renewal and small modular reactors [Thomas]	
3:40-5:00 pm 80 min.	Grid modernization technologies and implementation [Lau]	
April 10 – Thursday: Reliability and Security		
10:00-11:20 am 80 min.	Levelized cost vs. levelized value of energy resources [Meeusen]	
11:40-1:00 pm 80 min.	Planning for decarbonization under a changing climate [Craig]	
2:00-3:20 pm 80 min.	Flexibility, distributed energy resources, and virtual power plants [Anctil]	
3:40-5:00 pm		

IPU Power Grid Course II 2025: Program Faculty

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