



Prestressed Casting Co.

1600 S. Scenic
Springfield, MO 35808
(417) 869-7350

AIA Lunch and Learn Presentations

To arrange an AIA/CES presentation for Professional Development Hours in your office, sign-up online at www.pcicentral.org. Any questions please email phil@pci-central.org or call 937-833-3900.

Provider Name: PCI Central Region

Provider Number: K360



Program #	Program Title and Learning Objectives	Learning Units	HSW Units	Sustainable Design (SD)
PCSSSa *	<u>Precast Concrete Sustainable Solutions - Community Storm Shelters</u>	1	1	1
	<ul style="list-style-type: none"> • Introduce the basic requirements of a FEMA 361 Storm Shelter • Identify the components and sustainable attributes of a prestressed, precast concrete structure 			
	<ul style="list-style-type: none"> • Present the benefits of precast concrete through greater quality control, sustainable material choices and design freedom 			
	<ul style="list-style-type: none"> • Considerations in using a precast concrete system for your next project. Design opportunities, comparative materials and their utility and sustainable benefits 			
PCSIDa *	<u>Precast Concrete Solutions - Integrated Design</u>	1	1	1
	<ul style="list-style-type: none"> • Demonstrate the economic benefits of precast concrete throughout the project • Understand the sustainable attributes of precast concrete • Illustrate the design flexibility precast offers design professionals • Discuss long-term health benefits of precast concrete to benefit the inhabitants of the structure 			
PCSSU1 *	<u>Precast Concrete Solutions - Sustainable Design</u>	1	1	1
	<ul style="list-style-type: none"> • Understand Green building versus sustainable design • Precast as viewed by Life-cycle assessment • Sustainable transportation-market opportunities • Green building rating systems 			
PCS02a *	<u>Precast Concrete Sustainable Solutions - Parking Structures</u>	1	1	1
	<ul style="list-style-type: none"> • Introduce precast concrete parking structure benefits, sustainability and components • Show the simplicity of precast connections • Present precast design issues & considerations including opportunities for LEED qualification • Demonstrate the economic and sustainable benefits of precast concrete throughout the project 			
PCS05a *	<u>Precast Concrete Sustainable Solutions - Education Facilities</u>	1	1	1
	<ul style="list-style-type: none"> • Review the case studies to learn why a Total Precast System and precast concrete insulated wall panels were chosen by the design team • Understand the simplicity of precast concrete design details for a Total Precast Structure and the inherent sustainable attributes of concrete • How using a Total Precast System has many owner, designer and user benefits while utilizing a sustainable building product • Discuss the LEED implications and energy efficiency opportunities with precast concrete design 			

*also available in 1.5 and 2 credit length programs

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PCS06a*	<u>Precast Concrete Sustainable Solutions - Design Fundamentals</u>	1	1	1
*also available in 1.5 and 2 credit length programs	<ul style="list-style-type: none"> • Explain the different precast applications • Discuss architectural and structural applications • Sustainable impact of using structural and architectural precast in the design of a new structure • Discuss the LEED implications and energy efficiency opportunities with precast concrete design 			
	<u>Precast Concrete Sustainable Solutions - Plant Tour</u>			
	Attendees will observe first-hand how designs and engineering details are executed in the precast manufacturing process. Attendees will also observe the entire precast and prestressed manufacturing process from engineering and connections, forms set-up, casting and finishing. Attendees will gain a better understanding of precast and prestressed capabilities and related quality issues. Attendees will learn how precast fits within the entire building system and how to specify precast concrete accurately and safely.			
PCSPT1	Precast Concrete Sustainable Solutions - Plant Tour – 1 hour	1	1	1
PCSPT2	Precast Concrete Sustainable Solutions - Plant Tour – 2 hour	2	2	2
PCSPT3	Precast Concrete Sustainable Solutions - Plant Tour – 3 hour	3	3	3
PCSPT4	Precast Concrete Sustainable Solutions - Plant Tour & Presentation – 4 hour	4	4	4
PCSPT5	Precast Concrete Sustainable Solutions - Plant Tour & Presentation – 5 hour	5	5	5