



COOLING TECHNOLOGY INSTITUTE

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Cooling Technology Institute 2016 Summer Meeting - Phoenix, Arizona

CTI Engineering Standards and Maintenance Committee Agenda for July 11-13, 2016

Ken Mortensen, SPX Cooling Technologies - Chair
James Blake, American Lightning Protection - Vice Chair
Phillip Poll, OBR Cooling Towers - Vice Chair and Scheduler
John Ahern, EvapTech - Vice Chair and Secretary
Jon Bickford, Alliant Energy, AdHoc Coordinator

I. *Review Minutes for Winter 2016 ES&M*

II. Task Groups Meetings by category:

Wood, Metal, and Concrete Materials Task Group [Bill Howard]

- Wood, STD-112 Pressure Treatment, and ESG-117 Maximizing Life of Lumber, Joe LaBove, Phillip Poll. *Going to ADHOC.*
- STD-119 Timber Connection Specifications – Brad Pirrung, Joseph Evans - *Going to ADHOC.*
- ESG 144 CTI Fastener material Guidelines - Brad Pirrung, Joseph Evans - *Going to ADHOC*
- ESG-153 Recommended Guidelines for Portland Concrete, Narendra Gosain and Tom Kline – *Document revised and sent out to group for review.*
- ESG-160 Corrosion of Concrete, Narendra Gosain, Tom Kline - *In ADHOC review.*
- ESG-162 Cleaning Cooling Towers, Philip Poll, Don Zelek - *Going to ADHOC.*
- Chapter 9 Materials of Construction, Ethan Chesnut, Augie Peterson – *Changes to be made to document for resubmittal to group.*

Mechanical and Electrical Task Group [Craig Burris]

- STD-111 Speed Reducers - Craig Burris – *Changes made and going to ADHOC review.*
- Chapter 11 – Electrical Components, James Blake -
- ACC Gearboxes Guideline – Natasha Peterson – *New.*

FRP and Plastics Task Group [Jamie Bland]

- STD-131 FRP Siding Panels, John Ahern, Brian Fuqua – *Going to ADHOC review.*
- STD-154 Filament Wound FRP Pipe, Bill Daugherty Greg Deshong, Tom Toth – *In ADHOC review.*
- ESG-157 Wood to FRP, John Ahern, Ken Mortensen – *A few changes were made and then going to ADHOC.*
- ESG-164 on Thermoplastic Fill, Nina Woicke – *Created scope with good discussion.*
- STD-136 Thermoplastic Material for Fill, Chris Bowman, Ken Mortensen – *Close to final draft.*
- STD-137, FRP Structural Products, Ken Mortensen, Byrav Mutnari – *Comments reviewed and document will be updated and resent.*
- Information, R Seismic Factor, Bill Howard, Tom Toth – *Discussion about shake table testing and ASCE LRFD design.*

Tower Operations Task Group [Phillip Poll]

- STD-203 - Industrial Cooling Tower, Terry Ogburn, Tom Toth - *Document about finished.*
- Chapter 1, Richard Hebert, Geoff Eddy – *Looking for comments.*
- Winter Operations – John Ahern – *Document being reviewed with operator comments.*
- ESG-138 Long-term Storage of Cooling Towers, John Ahern – *Obtaining previous document.*

Hazard & Environmental Protection Systems Task Group [James Blake]

- Chapter 7 and Chapter 8 Environmental Aspects of Cooling System Operation, Helen Cerra, Ken Mortensen – *Making changes.*
- ESG-120 Lightning Protection, James Blake – *In ADHOC review.*
- ESG-121 Safety, Philip Poll – *Working.*
- Fire Protection, Chapter 12 – *Document being reviewed with comments from supplier.*
- Field Erection – Tom Toth, Ken Pate – *Outline by next meeting.*