

Beyond the Garden

Get smarter with
your water



ARCSEA 2015 Annual Conference Long Beach Convention & Entertainment Center Long Beach, California

ARCSEA's 11th Annual Conference

[At a Glance:](#)

Annual Conference on Nov. 9-10

ARCSEA/IA EXPO on Nov. 11-12

Educational Rainwater Workshop on Nov. 12-13

SUNDAY, NOVEMBER 8TH, 2015

9:00am – 2:00 pm

Instructors Review of New Manual and PowerPoint
(- room TBD)

3:00 – 6:00 pm

Board of Directors Meeting
(- room TBD)

MONDAY, NOVEMBER 9TH, 2015

8:00 – 9:00 am Moderator: David Crawford, ARCSEA Board of Directors, President

ARCSEA Members Annual Meeting - Seaside Ballroom

Voting Process Reviewed with New Board of Directors Candidate Introductions.

(Close Voting at 12:30 pm on Tuesday, November 10th)

MONDAY, NOVEMBER 9TH, 2015 CONT.

9:00 – 9:10 am

Short Break

Sponsored by Infiltrator Water Technologies

9:10 – 10:00 am

A Risk Based Approach to Design for Rainwater Quality

Speaker: Garth MacDonald, Rain Harvesting PTY, LTD

10:00 – 11:00 am Moderator: John Hammerstrom, ARCSA Board of Directors

Performance-Based Water Conservation with WERS

Speakers: Doug Pushard, HarvestH₂O LLC

11:00 – 12:00 pm Moderator: Mark Pape, ARCSA Board of Directors

Life Cycle Analysis (LCA) of a Rainwater Catchment System

Speakers: Santosh R. Ghimire, Ph.D., ORISE Postdoctoral Research Participant, U.S. Environmental Protection Agency, Office of Research and Development, NERL/Ecosystems Research Division

12:00 – 1:30 pm

Lunch on Your Own

1:30 – 2:30 pm Moderator: Marty Morganello, ARCSA Board of Directors

Roofing Materials Assessment

Speakers: Melissa McCall, Toxics Studies Unit, Environmental Assessment Program, Washington State Department of Ecology and Lisa Rozmyn, Business Resource Program Manager, Washington Stormwater Center, Washington State University

2:30 – 4:00 pm Moderator: Robert Woodland, ARCSA Board of Directors

Keynote Speaker: Beyond the Garden - Get Smarter with Your Water

Speaker: Colin Frayne with Association of Water Technologies

4:00 – 4:30 pm

Short Break

Sponsored by Rainwater Solutions

4:30 – 5:30 pm Moderator: Rene Michalak, ARCSA Educational Committee Chair

Panel Discussion: Urban Rainwater Harvesting – Codes and Regulation

Speakers: Neal Shapiro, City of Santa Monica and ARCSA Codes Committee Chair; Billy Smith, ASPE; and Invited Guest

6:00 – 8:00 pm Moderator: Robert Woodland, ARCSA Board of Directors

ARCSA Rainwater Harvesting Social and ARCSA Awards

Location: Cafe Sevilla - Venue, Drinks, and Snacks Sponsored by Rain Harvesting Supplies
Door prizes will be presented to attendees.

Awards presentation by: David Crawford, ARCSA President - Awards Ceremony to include: Retiring Board Members, Lifetime Achievements Awards

TUESDAY, NOVEMBER 10TH, 2015

7:00 – 8:30 am Coffee by ECOVIE Rainwater Collection Supplies

8:30 – 9:30 am Moderator: David Crawford, ARCSA Board of Directors, President

Potable Water Standards NSF/ANSI 61 and NSF P151

Speaker: Jason Carlson, Staff Chemist, Water Systems, UL LLC

9:30 – 10:30 am Moderator: John Hammerstrom, ARCSA Board of Directors

Commercial Level Rain Gardens

Speaker: David Dods, Environmental Scientist and Engineer, URS

10:30 – 11:00 am

Short Break

Sponsored by Acer Water Tanks

11:00 – 12:00 am Moderator: Robert Woodland, ARCSA Board of Directors

The Art of Water Reuse and Optimization in a World of Diminishing Water Supply

Speaker: Daniel Davitt, Aquanomix

12:30 pm

BOD VOTING CLOSSES

12:00 – 1:30 pm

Lunch on Your Own

1:30 – 2:30 pm Moderator: David Crawford, ARCSA Board of Directors, President

What Rainwater Catchment Means to Home Depot

Speaker: D. Shad Kazerooni, P.E., Home Depot and Rex Hayes, Climate LLC

2:30 – 3:30 pm Moderator: Tim Pope, ARCSA Educational Coordinator

Prop 84 grant from the CA State Water Board to permit, construct, and monitor the first indoor, non-potable rainwater harvesting systems in our Central Coast region (commercial and residential) under California Plumbing Code (CPC) Ch. 17.

Speaker: Sherry Lee Bryan, Ecology Action

3:30 – 4:00 pm

Short Break

Sponsored by Rainwater Management Solutions

4:00 – 4:45 pm Moderator: Tim Pope, ARCSA Educational Coordinator

Successful Global Rainwater Harvesting Applications from Around the World

Speaker: Sandra Ungerson, University of Calgary

4:45 – 5:30 pm Moderator: Neal Shapiro, ARCSA Board of Directors

Completion of the Study on Quality of Harvested Rainwater

Speaker: Sarah Sojka, Randolph College, Lynchburg, VA

5:30 – 5:45 pm Moderator: David Crawford, ARCSA President

Closing of Conference

7:30 – 10:00 pm

Gala with the IA (Long Beach Convention & Entertainment Center)

WEDNESDAY, NOVEMBER 11TH, 2015

10:00 – 6:00 pm

ARCSA/IA Dedicated Tradeshow Day (Long Beach Convention & Entertainment Center)

8:30-10:00 am

New BOD Meeting (Long Beach Convention & Entertainment Center - Seaside Ballroom)

COMMITTEE MEETINGS

10:30 – 12:30 am Moderator: Rene Michalak, ARCSA Educational Committee Chairman

Educational Committee Meeting (Long Beach Convention & Entertainment Center - Seaside Ballroom)

1:00 – 3:00 pm Moderator: Charlee Myers, ARCSA Regional Representative Chairman

Regional Representatives Meeting (Long Beach Convention & Entertainment Center - Seaside Ballroom)

THURSDAY, NOVEMBER 12TH, 2015

11:00 – 5:00 pm

ARCSA/IA Dedicated Tradeshow Day (Long Beach Convention & Entertainment Center - Seaside Ballroom)

8:00 – 5:00 pm

AP Workshop (Long Beach Convention & Entertainment Center - Seaside Ballroom)

FRIDAY, NOVEMBER 13TH, 2015

8:00 – 5:00 pm

AP Workshop (Long Beach Convention & Entertainment Center - Seaside Ballroom)