

# Low Impact Development Workshop 2015: Presentations & Resources

**Thursday April 9**

## **Educational Sessions and Determining Next Steps**

Presentation, Awards, and Discussion

Topics: Case Studies, New Technical Guidance Manual, Regulations and Policy, Cost Effectiveness, Lessons Learned, Community Benefits, Top Research, Education and Management Needs

Download the [Complete Set of Presentations](#) (42MB pdf) or view individual presentations below.

## **Background and Welcome**

- Introduction, Evan Canfield [Video](#) (2:21)
- Welcome, Larry Lucero, Senior Director Government and External Affairs Tucson Electric Power
- Welcome, Sustainability in Pima County and the Region, Chuck Huckelberry, Pima County Administrator [Video](#) (12:38)
- March 2011 LID Workshop and Goals, Ann Moynihan, Pima County Regional Flood Control District [Presentation](#) (1MB pdf)
- LID Working Group and Objectives, Evan Canfield, Pima County Regional Flood Control District [Presentation](#) (1MB pdf) [Video](#) (10:56)

## **Regional Efforts Achieve 2011 Workshop Goals**

- Low Impact Development and Green Infrastructure Guidance Manual, Lynn Orchard, Pima County Regional Flood Control District [Presentation](#) (pdf) [Video](#) (34:15)
- Inventory of Regional Policies and Efforts, Mead Mier, Pima Association of Governments [Presentation](#) (pdf) [Video](#) (30:42)
- Flood Mitigation Effectiveness of Neighborhood Scale Practices, Catlow Shipek, Watershed Management Group; and Janice Hughes, Pima County Regional Flood Control District [Presentation](#) (pdf) [Video](#) (20:15)
- AutoCASE Valuation Tool for Infrastructure, John Wise, Stantec [Presentation](#) (pdf) [Video](#) (21:58)
- Business Case Evaluator for Stormwater Management, Kieran Sikdar, Watershed Management Group [Presentation](#) (pdf) [Video](#) (23:10)
- Case Studies Catalog, Sandy Bolduc, Pima County Regional Flood Control District [Presentation](#) (pdf) [Video](#) (12:20)
- Case Studies Awards [Video](#) (7:21)
- Tour of Scott Avenue, Laura Mielcarek, Wheat Design Group

## **Successful Regional Efforts Parallel 2011 Workshop Goals**

- Moderator: Fernando Molina, City of Tucson, Tucson Water
- Sustainability Features in the Tucson Electric Power Building, Kay Brown, Ryan Companies US, Inc. [Presentation](#) (pdf)

# Low Impact Development Workshop 2015: Presentations & Resources

- Stormwater Quality & LID for Ephemeral Watersheds, Marie Light, Pima County Department of Environmental Quality [Presentation](#) (pdf)
- City of Tucson, Irene Ogata, City of Tucson Office of Integrated Planning [Presentation](#) (pdf)
- Town of Oro Valley, Rob Wilson, Town of Oro Valley Stormwater Division [Presentation](#) (pdf)
- Academic Research Efforts, Mitch Pavao-Zuckerman, University of Arizona [Presentation](#) (pdf)

## Where Do We Go From Here and How?

- Moderator: Marie Light, Pima County Department of Environmental Quality
- Closing , Ann Moynihan, Pima County Regional Flood Control District

## Wednesday April 10

### Interactive Field Experience

Topics: Led by LID leaders and design professionals participants learned best practices that address implementation and maintenance challenges and refined abilities to identify LID opportunities. Onsite demonstrations aimed to improve abilities to visually understand design and implementation issues.

James DeRoussel, Catlow Shipek and Kieran Sikdar, Watershed Management Group [Slides](#) (pdf)

## Posters

- Standards for Stormwater Detention and Retention in Pima County
- Ann Moynihan, Pima County Regional Flood Control District
  - Low Impact Development Case Study Examples
- Sandra Bolduc, Pima County Regional Flood Control District
- Claire Zucker and Mead Mier, Pima Association of Governments
  - LID Education and Outreach by PAG's Stormwater Management Working Group
  - PAG Regional Council LID/GI Resolutions
  - LID for Arid Shallow Groundwater Resiliency
  - Results of the LID Workshop 2015 Registration Survey – Research Needs and Future Vision

## Purpose

- To increase awareness by acknowledging success in achieving goals targeted by the 2011 workshop and to recognize the abundance of other regional sustainability efforts.
- To incorporate your perspectives on low impact development to evaluate and guide the next steps in the region.

# Low Impact Development Workshop 2015: Presentations & Resources

- To provide an opportunity for hands-on site review and workshop covering design principles and best practices.

## Organizing Committee Representation

This workshop was hosted by the LID Working Group based in the Tucson region. The workshop organizing committee was composed of voluntary partners, including Pima County Regional Flood Control District, Pima Association of Governments (PAG), City of Tucson Office of Conservation, UA's Water Resources Research Center, Pima County Department of Environmental Quality and Department of Transportation, Watershed Management Group, Stantec, Wheat Design, Town of Marana, and additional partners.

- [Workshop Resources - links to presented projects](#)
- [Workshop Invitation - who should attend](#)
- [Schedule of Events](#)
- [LID Working Group coordination and resources](#)
- [LID Workshop 2015 Save the Date Flier](#)
- [Flier for Day 2](#)
- PAG's [Environmental Planning Advisory Committee](#) and the [Stormwater Management Working Group](#)

## Thanks to our Sponsors

