

## LID Workshop – March 15, 2011

### **SITE PLANNING**

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#### **Question**

#### **Response Summary**

1. **Ask the group to provide an accounting of where we are:**
  - a. **Inventory of existing processes, resources, regulations, facts, ideas, activities on-the-ground.**
  - b. **Regulations that are forthcoming.**
- I. **Where are we now?**
  - City of Tucson Commercial H2O Harvesting Ordinance
  - Updating codes to meet engineering technology/current practices is underway
  - Regulatory authority
  - There is a need to define how to model incorporation of LID into post-development stormwater volume/flows
  - New regulatory control: need to better define the relationship between Land Use and Water
  - Use and water conservation
  - Water Use / re-use; water conservation credits not given for retention (Maricopa County)and/or recharge; but Pima County has options (“menu”) to gain green building credit for permit approval, which is only good for re-zoning

Resources:

  - Most of the “How-to’s” come from outside AZ
  - What resources we have mainly address storm water
  - Conservation Land System
  - Open Space requirements; riparian habitat protection

Regulatory authority includes:

  - Native Plant Protection Ordinance
  - Arizona Pollutant Discharge Elimination System (AZPDES) Permit Program
  - EPA Storm Water Pollution Prevention Plan (SWPPP)
  - EPA Municipal Separate Stormwater Sewer Systems (MS4) Program Audits
  - City of Tucson Environmental Resource Zone
  - Watercourse Amenities, Safety, and Habitat Code (WASH)

- LEED/Sustainable Sites Initiative
- Floodplain/Riparian Ordinance
- ESR
- Scottsdale ESR

Incentives:

- Layering of requirements
  - Time
  - Money
- Need change in code and communication e.g. Pima development code green building program (site analysis)
- Market incentive
  - change in demand
  - development regulations may not have caught up
  - difference between guidelines and requirements

Question	Response Summary
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2. **As the community moves forward, what are the group's:**  
 a. **Concerns?**  
 b. **Ideas for areas of flexibilities and opportunities? Where does community support exist?**

Needs:

- Predictability  
 Education
- Development community
  - Regulators
  - Consultants
  - Public

Concerns:

- Unintended Consequences
- Maintenance

Who (what agencies) do Developers have to deal with to get to LID practices?

$$\frac{n(n-1)}{2} = \text{communication channels}$$

- Jurisdictions
- Utilities
- DOT
- DEQ
- Planning and Development
- Public Works
- Flood Control
- Corps of Engineers
- Cultural Resources
- Fish and Wildlife
- Parks and Recreation
- Non-governmental Organizations
- Contractors
- Consultants



**Question**

**Response Summary**



**3. What can we do to be agents of change?**

- Influence, change
  - Acceptable level of change
- Articulate common goal
  - Definition of goal and testing of implementation
  - Progressive elaboration
- Flexibility vs. Predictability
- Balance
- 3 – legged stool of sustainability (Social – Ecological – Economic)



## Question

## Response Summary

4. **What actions would you like the entire workshop group to accomplish in the future?**

- Education
  - Know what has been successfully tested
  - Generate empirical evidence
  - Clearinghouse for info exchange
- Stay Up-to-date
  - Look outside own sphere
  - Gap analysis
- Define What LID in the arid southwest is
  - Experience, testing
  - Engage NGO's as "hubs" for work and info exchange
  - Research, university collaboration, federal agencies
  - Define what we are protecting
- Build robust economic case for LID → \$ value for ecosystem benefits