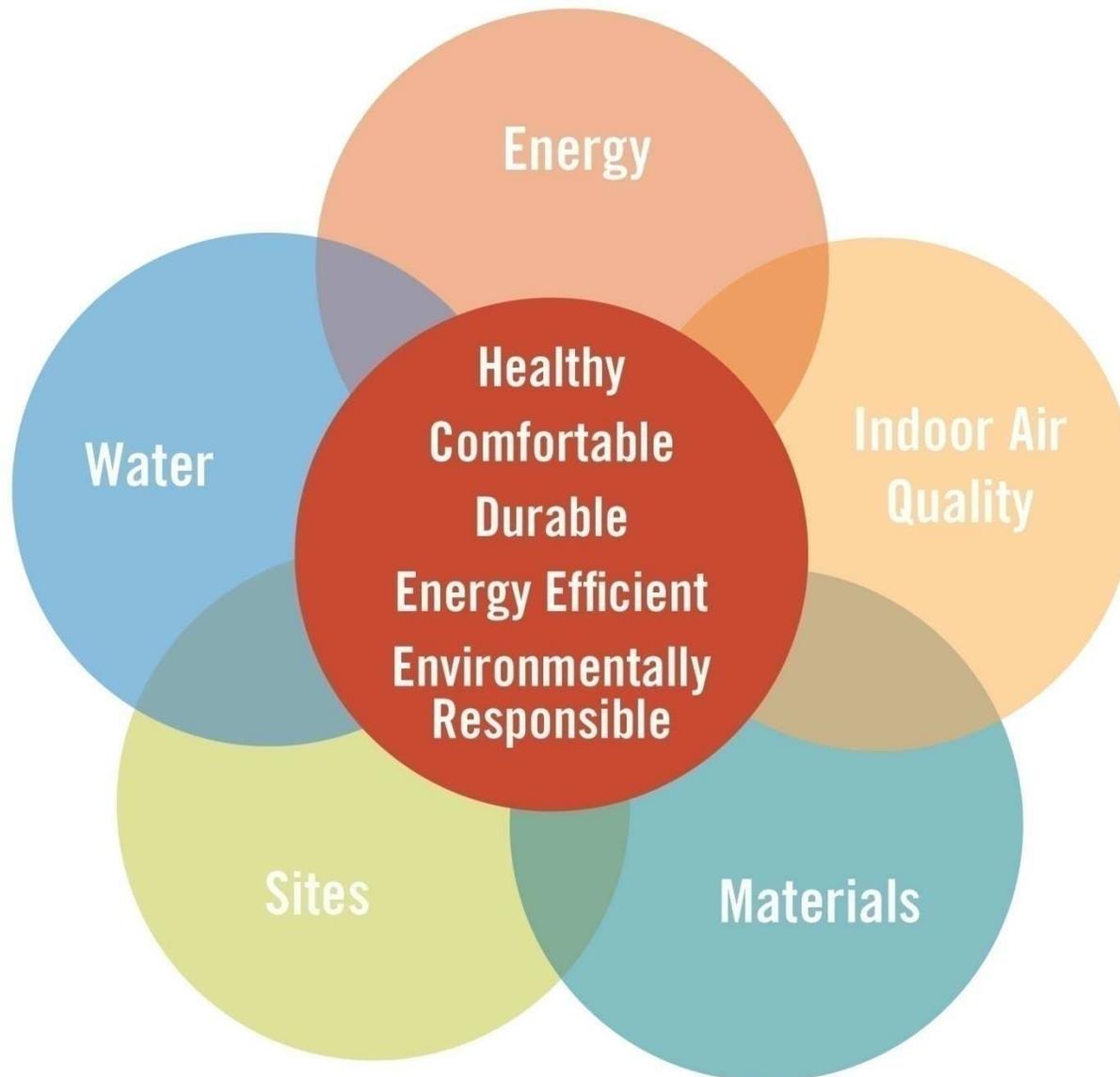




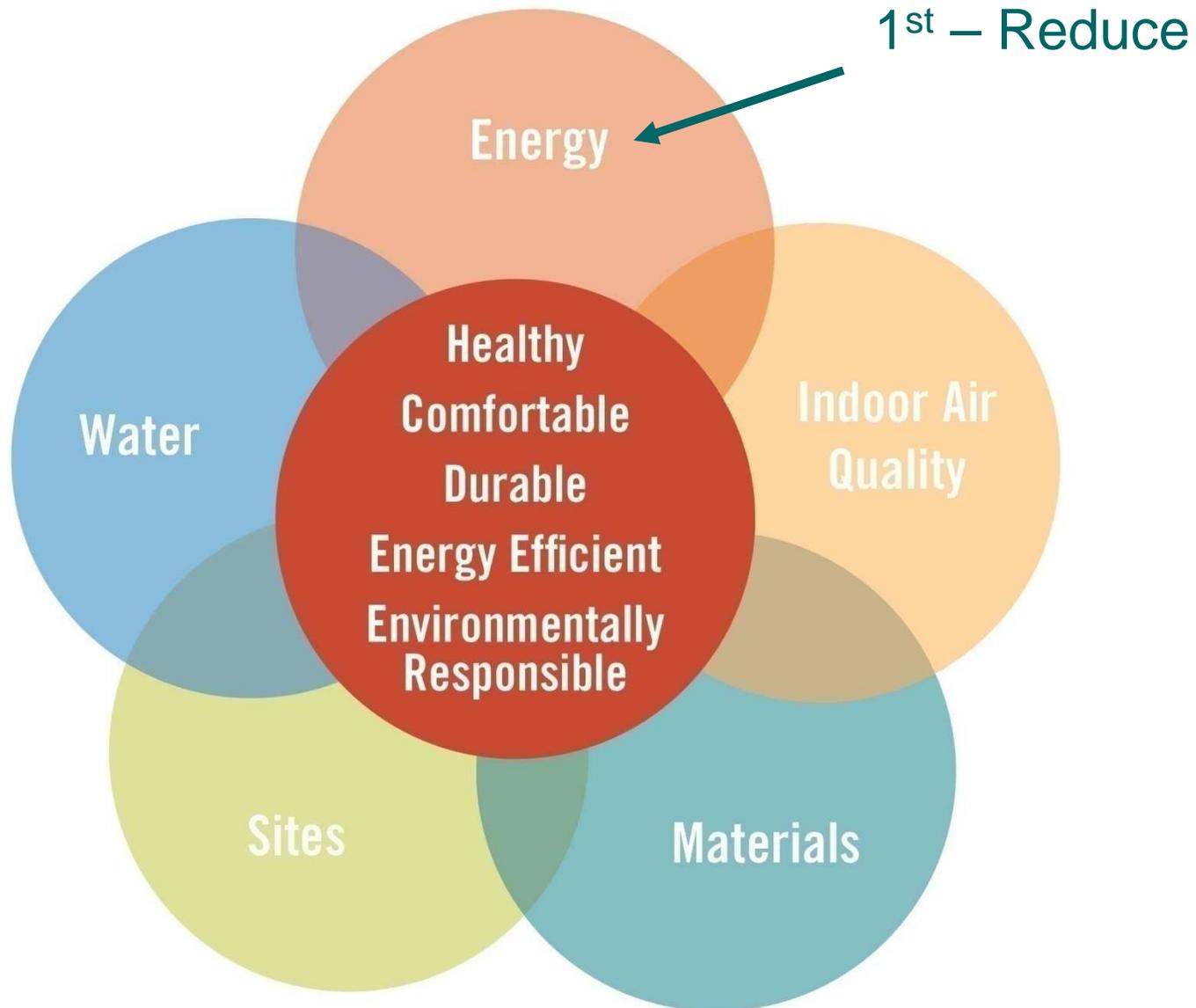
Pima County Building Safety and Sustainability

How to get a permit?

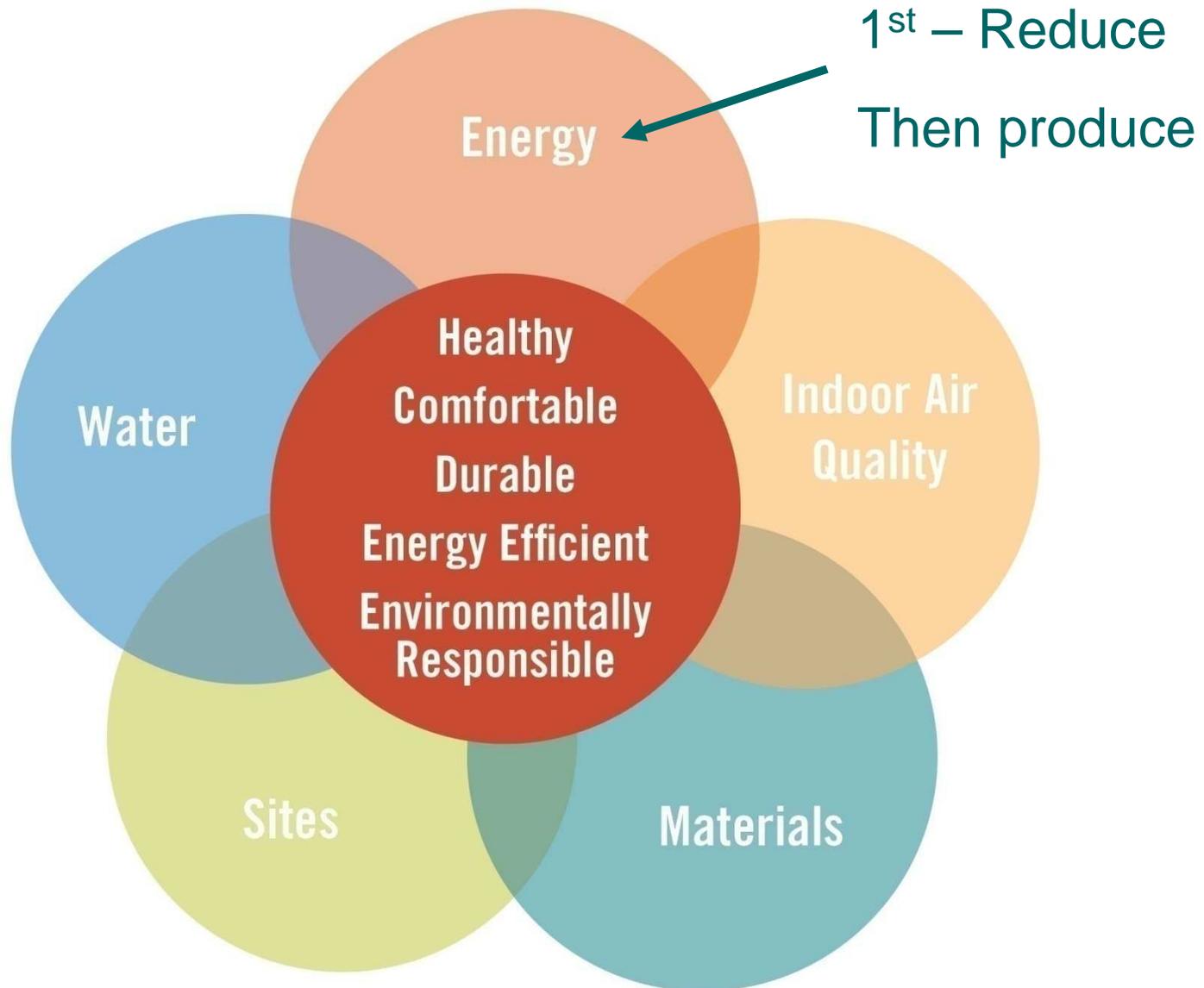
How Does LEED Define a Green Home?



How Does LEED Define a Green Home?

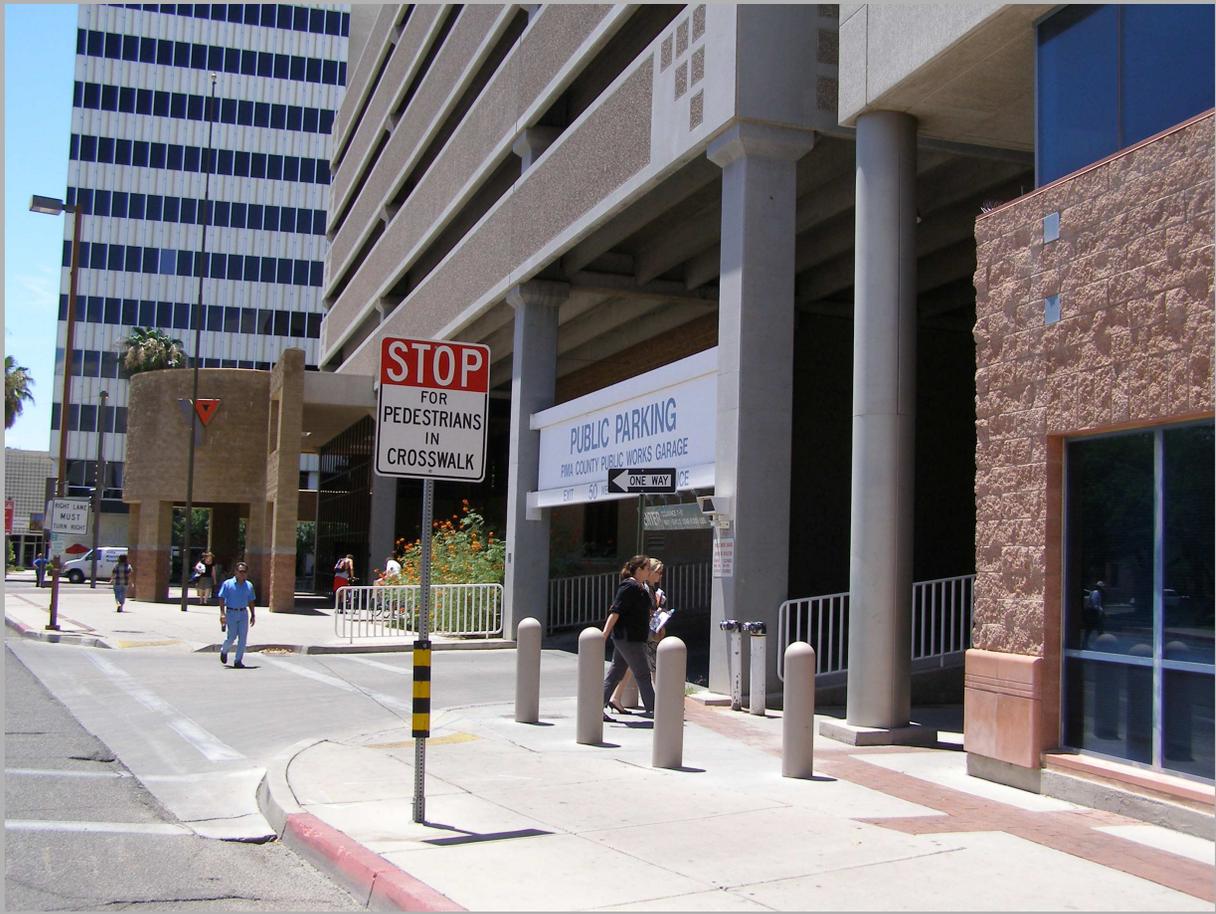


How Does LEED Define a Green Home?



Getting to DSD is the hardest part!



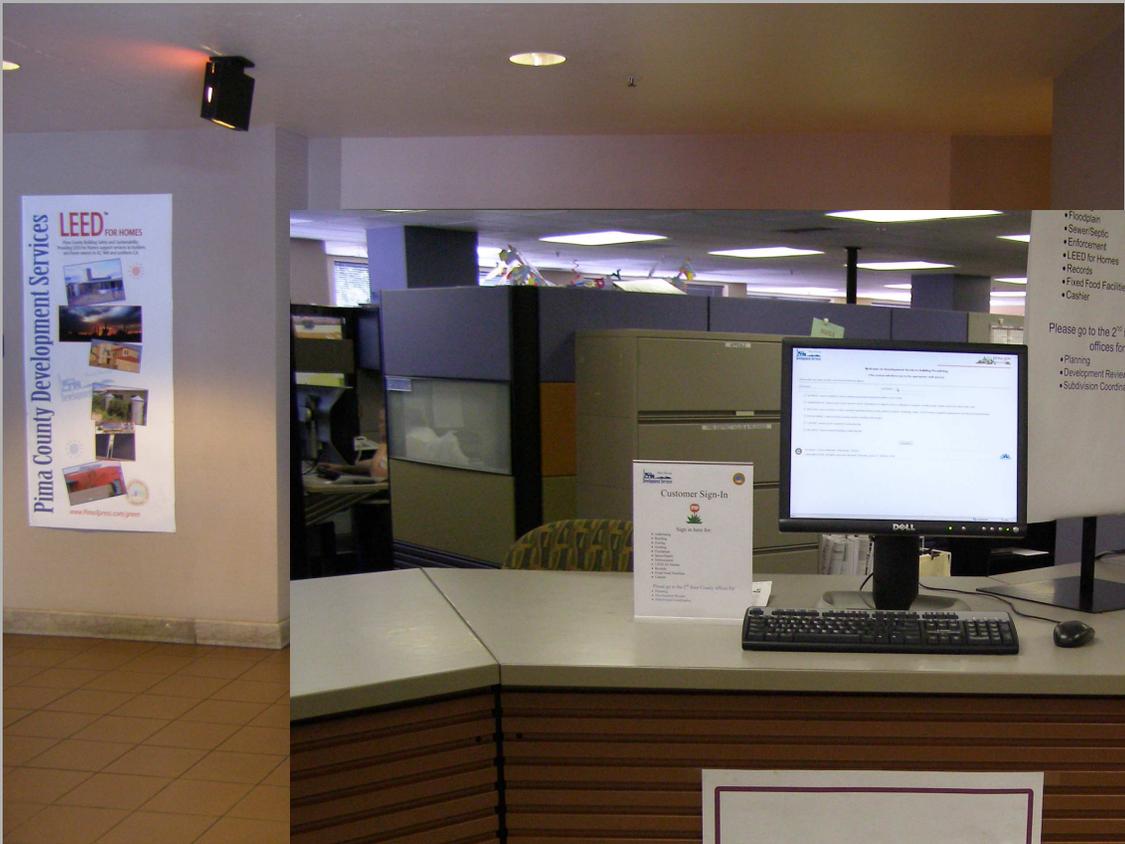


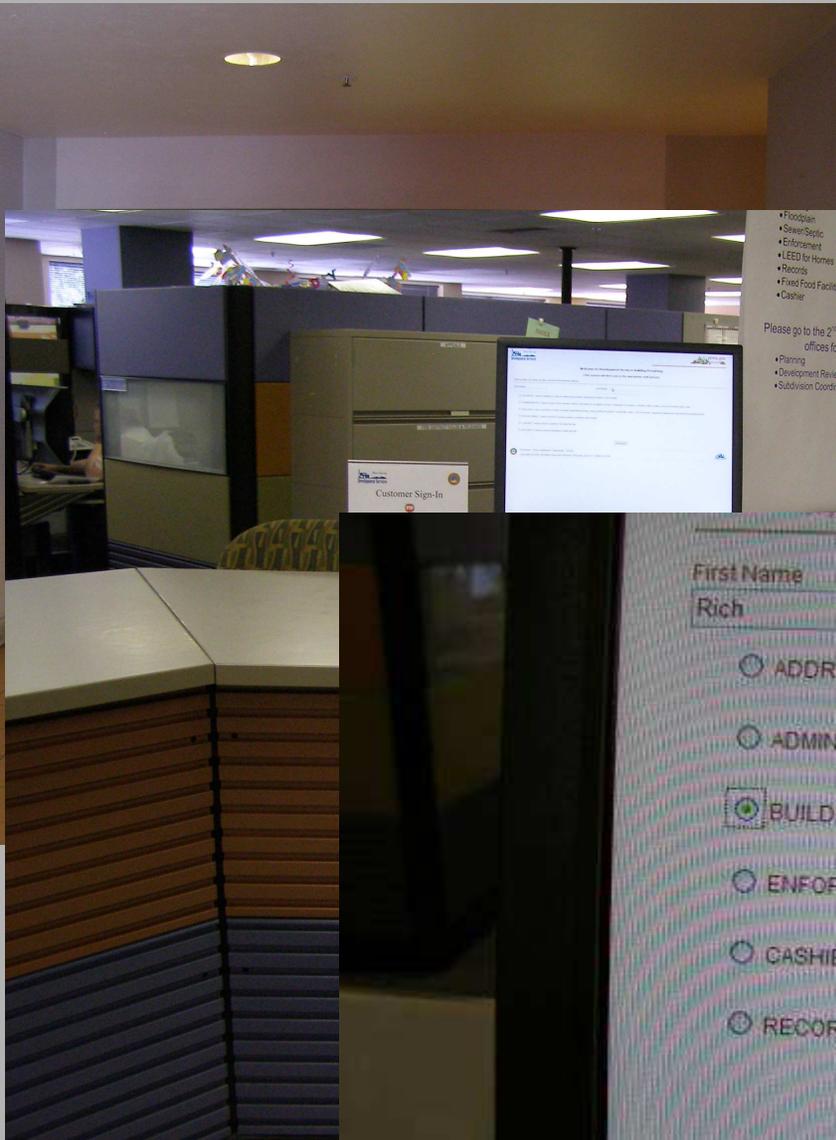












- Floodplain
 - Sewer/Septic
 - Enforcement
 - LEED for Homes
 - Records
 - Fixed Food Facilities
 - Cashier
- Please go to the 2nd floor County offices for:
- Planning
 - Development Review
 - Subdivision Coordination

...and then select from the following options:

First Name
Rich

ADDRESS: I need an address or have an addressing question

ADMINISTRATIVE: I need to post a bond, request a refund, submit

BUILDING: I need a permit for or have a question regarding building

ENFORCEMENT: I need to resolve a zoning, grading or building

CASHIER: I need to pay for a permit or re-inspection fee

RECORDS: I need to research building or septic permits

Customer Sign-In

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- Building
- I have other needs
- Priority
 - Drop off project
 - Wait for review
 - Scheduled Appointment (call 740-7576 prior)
- Status: New Activity
- Project Type: Residential Structure

- Building
- I have other needs
- Priority
 - Drop
 - Wait
 - Schedule (prior)
- Status:
- Project



- Building
- I have other needs
- Priority
 - Drop
 - Wait
 - Schedule (prior)
- Status:
- Project



What You Need to Bring

- Site Plan
- Electrical and/or Plumbing Plan
- Cut sheets (product literature) for the system equipment with UL listing
- Possibly structural calculations and/or drawings
- Your check book ;)

Photo Voltaics

- Roof Mounted
 - Live load off set
 - Uplift Calculations
 - Fastener details
 - Electrical Drawings
 - BOZO, HDZ and Scenic Overlay
- Ground Mounted
 - Over six feet = accessory structure
 - Uplift Calculations
 - Footing and Mounting Calculations
 - Electrical Drawings
 - BOZO et. al.



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Solar Hot Water

- Usually Roof Mounted
 - Collector Wet Weight
 - Live load off set
 - Structural issues?
 - Uplift Calculations
 - Fastener details
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Wind Power

- The Legacy of the west...



Wind Power

- The Legacy of the west...
 - **No Height limit!**
 - Accessory structure set backs
 - Pole Structural Calculations
 - Electrical Drawings
 - BOZO, HDZ and Scenic Overlay



Water Cisterns

- Accessory Structures with special rules...
 - < 1000 gallons: no **Building** permit
 - > 1000 & <5000 with a 2:1 ratio: no **Building** permit
 - Still need **Zoning** permit
 - Front yard set back problem



Technical Details

- Site plan required with set backs shown
- PV and Wind Systems:
 - Electrical 1 and 3 line drawings
 - Conductor size calcs
 - Conduit Sizes and types
- Solar Water:
 - Hot water piping schematic, including t&p valve
 - Back up power: electrical one line, or gas isometric

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Hire registered
contractors...

Cost and Time

- PV $67+28 = 95$
- Solar Hot Water $67+28 = 95$
- Wind $67+116 = 183$
- Cistern 40

Time

Solar = Over the Counter

Wind = 5 days max

Questions?

Answers at: www.pimaXpress.com

Rich Franz-Ünder: 740-6892

Green Building Program Manager



Regional
Residential Green
Building Program

- Interested in participating in the LEED for Homes or Regional Residential Green Building Program? Go to the Green Page: <http://www.pimaXpress.com/Green>