This presentation premiered at WaterSmart Innovations

watersmartinnovations.com





Water Efficiency Rating Score

Green Builder® Coalition October 6, 2016

WaterSmart

Presenter: Doug Pushard



The Green Builder® Coalition

- National, non-profit membership organization for green building professionals
- Founded in 2010
- Offers information, technical assistance and advocacy services



WERS Overview October 6, 2016



Why Is Water Efficiency Necessary?



WERS Overview



No Water, No Growth



WERS is a predictive tool that can assist builders, municipal planners & utilities in their pursuit of growth and economic security



What is the Water Efficiency Rating Score?

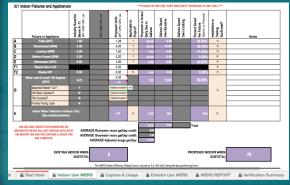




Multi-Family



3rd Party



Score = 0 to 100



WERS = **70**





WERS = 50



What does WERS do?

- Calculates ALL water of a house or multi-tenancy building
- Calculates all the different water sources and provides a way to model impact of different source water
 - Potable Water
 - Rainwater
 - Greywater
 - Blackwater
 - Stormwater
- Integrates water!



How is the WERS Different from Other Programs?

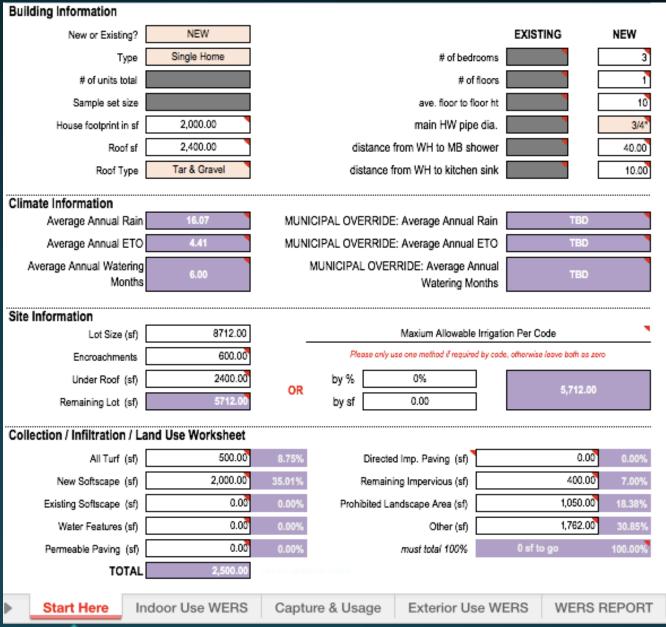
- EPA WaterSense, Florida Water Star, LEED for Homes, MWELO
 - Prescriptive, minimum compliance level
 - Pass/Fail, not quantitative
 - Points-based systems that may not reflect value or ROI
 - Administrative requirements, documentation and validation
 - Aspects of project not covered by program (evap cooler, RO filter)
 - Alternative source water, re-use offsets not measured

The WERS tool can be used by homeowners, architects, builders, utilities and municipalities to arrive at a simple metric to compare water use of any property – new or existing

WERS Overview October 6, 2016

WERS Inputs (Site Info)

- •User to fill in the white boxes
- Orange boxes are pulldowns that require a response
- Purple boxes are informational
- •Grey boxes need no action
- Cells with a small red triangle have additional guidance provided in a "fly-out" box



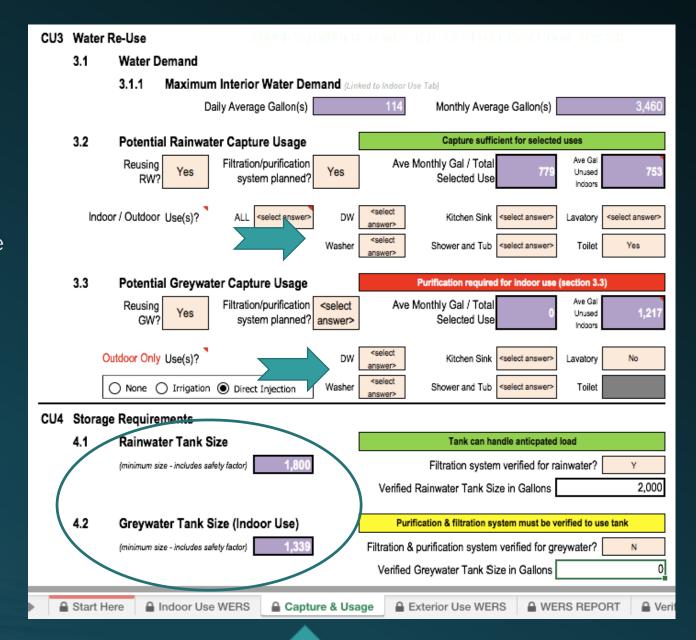
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Capture & Usage Declaration

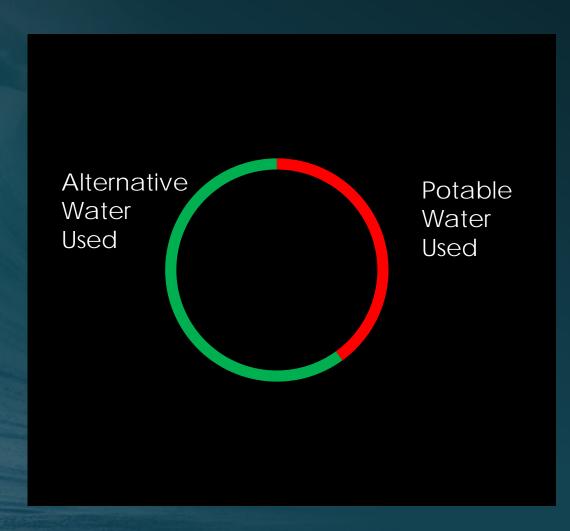
- Program needs to be told where the captured water will be used.
- •Unless a state or municipality allows combined rainwater and greywater, both are considered separately.
- •Depending on the collection and usage, storage tanks are automatically sized.

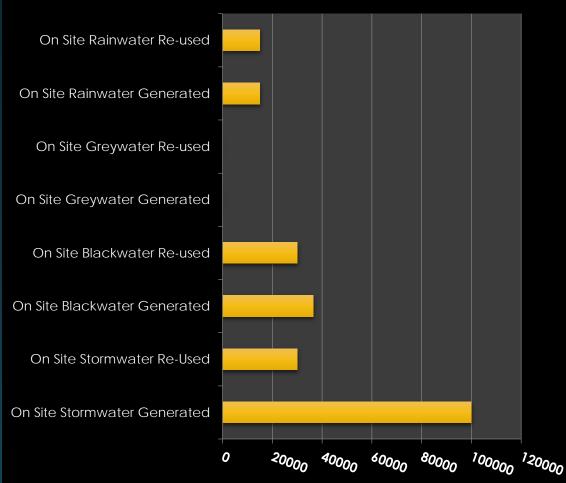




WERS Dashboard







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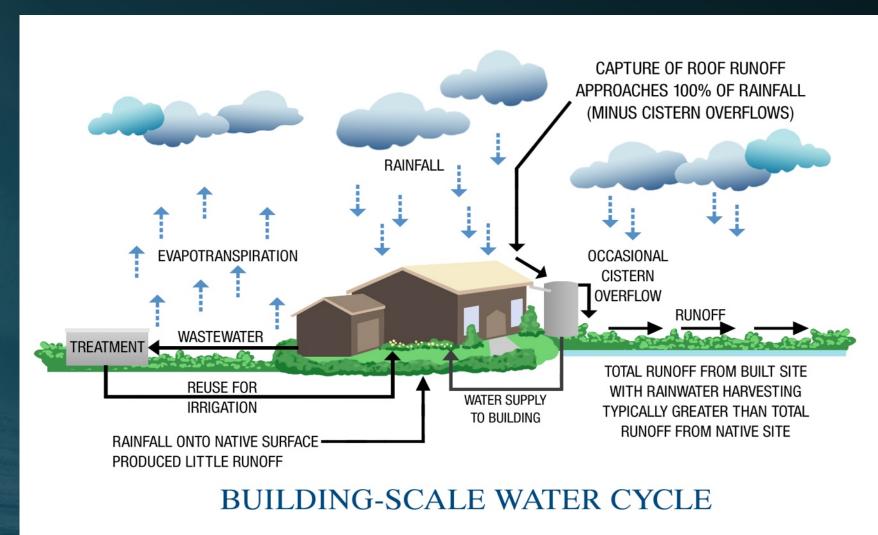


How can WERS be used

- Integrate into the building code to save water
- Create whole house water conservation incentive program
- Create 3rd party verified water conservation program
- Model impact to entire water system of various building practices
- Create one view of all water and start the discussion



WERS - A Total Picture of Water!





More Information

Schedule a Online Demonstration

- WERS Verifier Training
 - October 26-28th in Santa Fe, NM
 - November 2-4th Maitland, FL
- www.wers.us info@greenbuildercoalition.org

Questions?

Thank you!