

Peace River Regional Water Supply Alliance

Water Conservation Summit  
June 24, 2010



# Water Conservation Summit – June 24, 2010

## Agenda

- Recap of 2009 Priorities and Approach
- Recent Developments in Water Conservation
- Preliminary SWFWMD Conservation Estimates
- SWFWMD Utility Outreach



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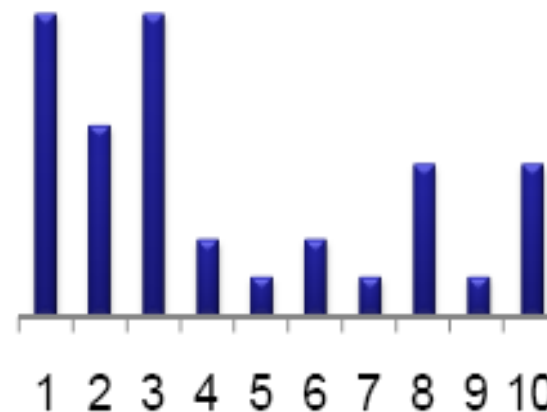
## Recap of 2009 Priorities

<b>Delegate</b>	<b>Affiliation</b>
<b>Commissioner Shannon Staub</b>	<b>Peace River Manasota Regional Water Supply Authority</b>
<b>Commissioner Dick Loftus</b>	<b>Charlotte County</b>
<b>Commissioner Jerry Hill</b>	<b>DeSoto County</b>
<b>Commissioner John Chappie</b>	<b>Manatee County</b>
<b>Commissioner Jon Thaxton</b>	<b>Sarasota County</b>
<b>Councilman Bemis Smith</b>	<b>City of Bradenton</b>
<b>Commissioner Peter O'Connor</b>	<b>Town of Longboat Key</b>
<b>Commissioner James Blucher</b>	<b>City of North Port</b>
<b>Vice Mayor Harvey Goldberg</b>	<b>Punta Gorda</b>
<b>Commissioner Richard Clapp</b>	<b>City of Sarasota</b>
<b>Council Member Ernie Zavodnyik</b>	<b>City of Venice</b>
<b>Jay Linden, Manager</b>	<b>Englewood Water District</b>
<b>Mac Carraway, Supervisor</b>	<b>Lakewood Ranch Stewardship District</b>
<b>JP Marchand, District Engineer</b>	<b>West Villages Improvement District</b>

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## Recap of 2009 Priorities

1. Invest in water conservation as an alternative source
2. Develop and incentivize per capita targets
3. Document the quantity of water being conserved
4. Use Conserve Florida Water program as a support tool
5. Create local water conservation clearinghouse
6. Consider requiring Florida Water Star Gold Certification
7. Become EPA WaterSense Promotional Partner
8. Region-wide training & certification program for irrigation
9. Minimum requirements for conservation rates
10. United public messaging



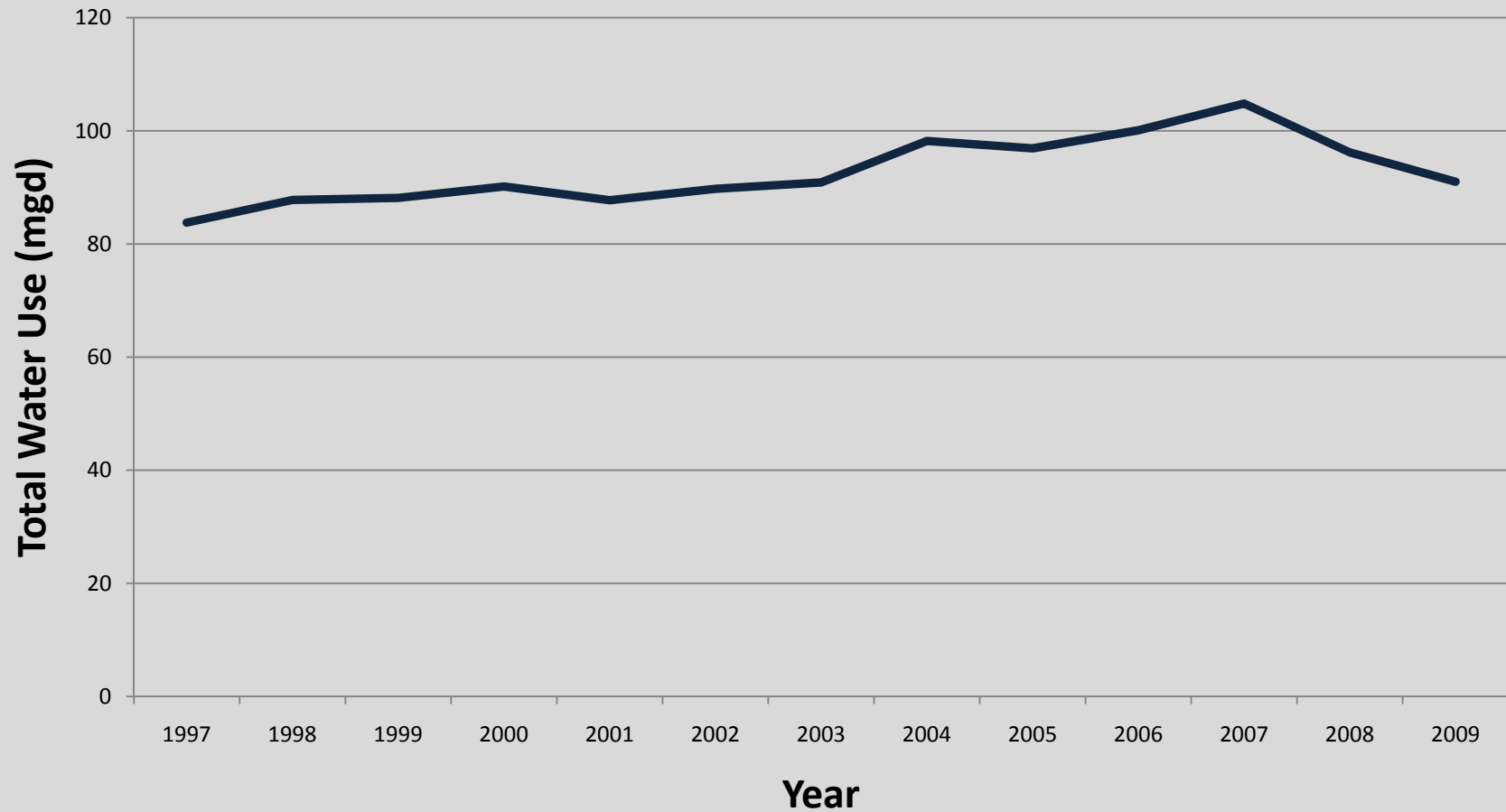
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## Recap of 2009 Priorities

1. When considering the comparative marginal costs of the next increment of water supply, the Authority/Alliance should evaluate the relative benefits of making a comparable investment in quantifiable water conservation best management practices and standards.
2. The Alliance members will work with the Authority in an effort to document the quantity of water being conserved within their jurisdiction in 5-, 10-, 20-year increments and will estimate the associated financial savings.

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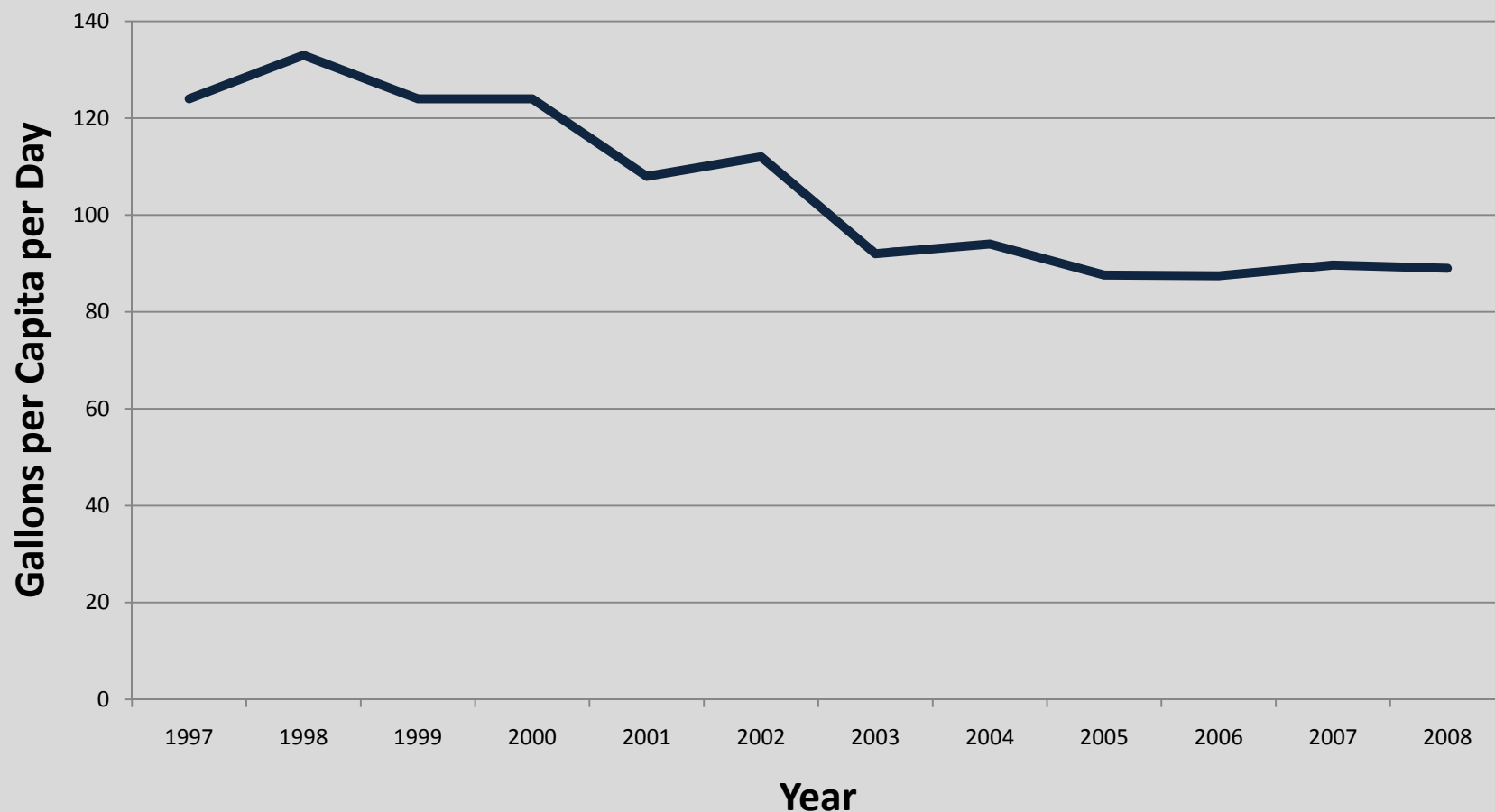
## Approach - Regional Water Use Trends



Source: SWFWMD Estimated Water Use Report, 2007, 2008

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## Approach - Regional Water Use Trends



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## Regional Water Conservation Plan Elements

**Demand-side**

**Goal-Based**

**Supply-side**

**Quantifiable**

**Indoor BMPs**

**Revenue Neutral**

**Outdoor BMPs**



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## Approach - Goal-Based Approach

- Supply-Side vs Demand-Side Water Conservation BMPs
- Potable Water Use Sectors (Single-Family, Multi-Family, Industrial-Commercial-Institutional)
- Indoor vs. Outdoor Water Use
- General Strategy – Increase Indoor Water Use Efficiency and Alleviate Use of Potable Water Use for In-ground Irrigation



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## Supply-Side Water Conservation BMPs

- Water Audits (reduce system losses)
- Metering
- Tiered Rates
- Reclaimed Water
- Stormwater Harvesting
- Increased Ground Water Recovery  
(improved water treatment efficiency)

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## Demand-Side Water Conservation BMPs

- Indoor BMPs (Quantifiable)
  - ✓ Toilets
  - ✓ Faucets
  - ✓ Showerheads
  - ✓ Washing Machines
- Outdoor BMPs
  - ✓ Soil Moisture Sensors
  - ✓ ET Controllers



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## Approach - Potable Water Use Sectors

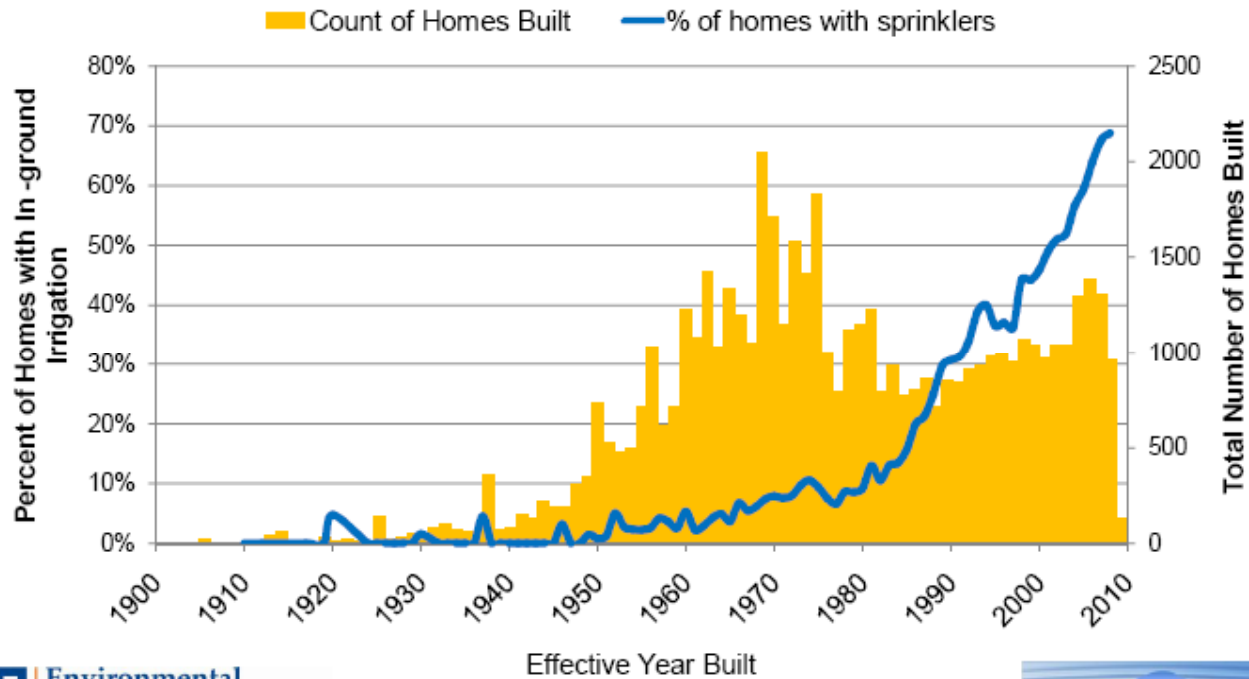
- Single-Family
- Multi-Family
- Industrial - Commercial – Institutional (ICI)



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## Approach - Indoor vs. Outdoor Water Use

### Gainesville Homes with Sprinklers



**UF** Environmental  
Engineering Sciences  
UNIVERSITY of FLORIDA



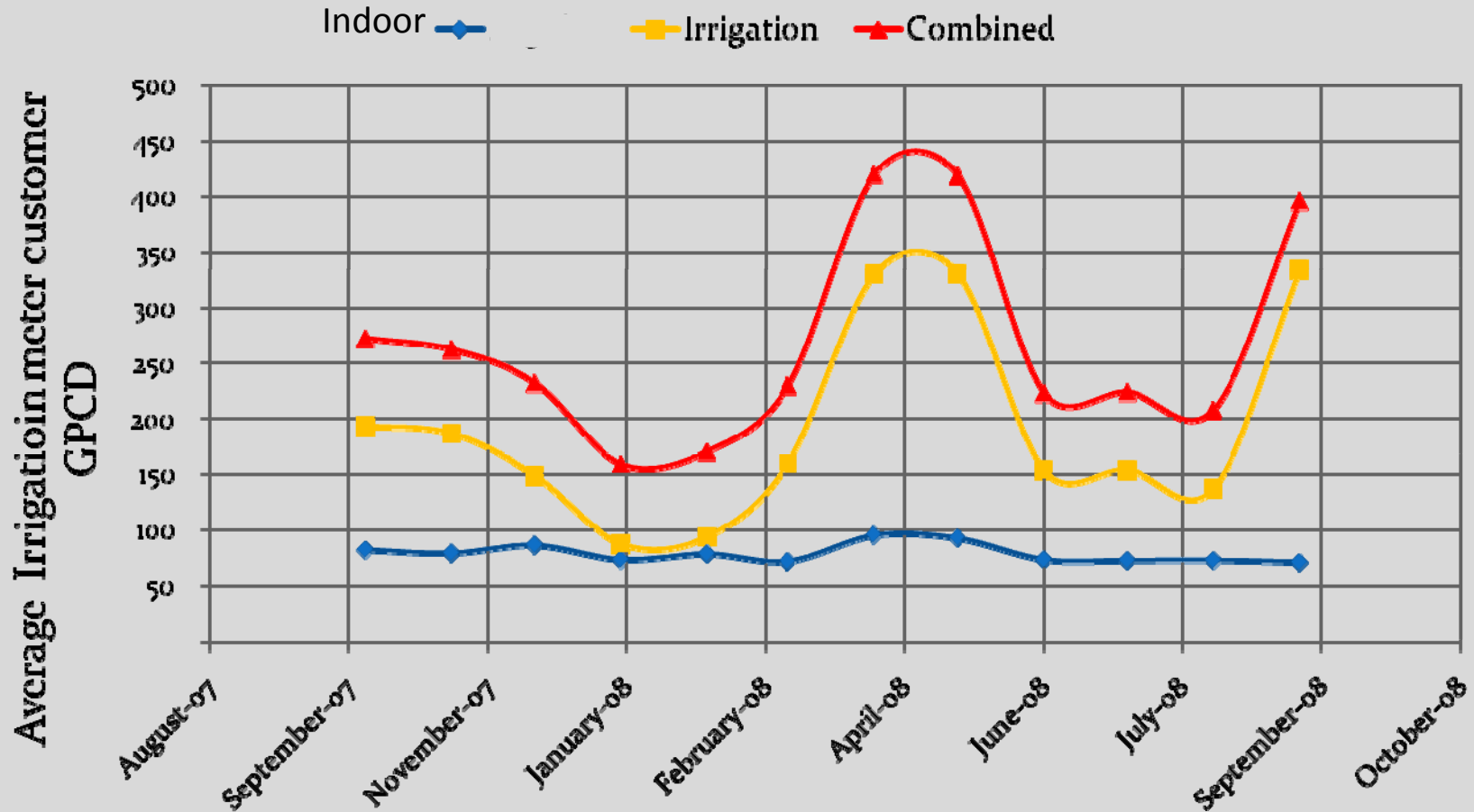
**WATER  
PLANNING  
ALLIANCE**



**Progressive Water Resources**  
Integrated Water Resource Consultants

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## Approach - Indoor vs. Outdoor Water Use



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## Approach - Goal-Based Approach

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## Recap of 2009 Priorities

Questions?

