

Program for Resource Efficient Communities

We promote application of design, construction and management practices that minimize environmental degradation and make more efficient use of energy, water and other natural resources in master planned residential communities.



Population - Florida:

1980 ~10,000,000

2005 ~17,000,000

2030 ~28,000,000



Building Permits - Florida:

2003 ~155,000

2004 ~185,000

2005 ~208,000

2006 ~146,000





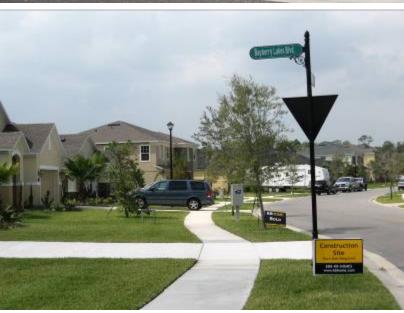










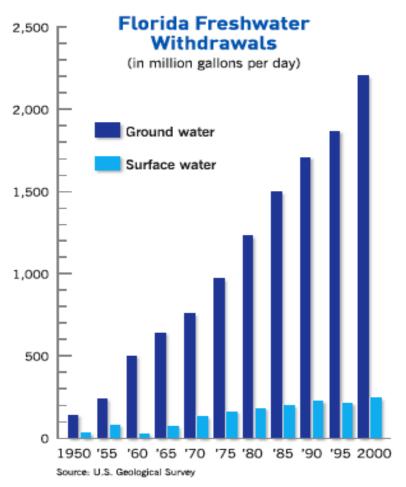




South Pasco County

Growth Issues

Water Supply



Tampa Bay Water Desalinization Facility











Demand for Florida homes permitted in 2005:

Total Water Use

~20,800,000,000 Gal/yr

Irrigation

~10,400,000,000 Gal/yr

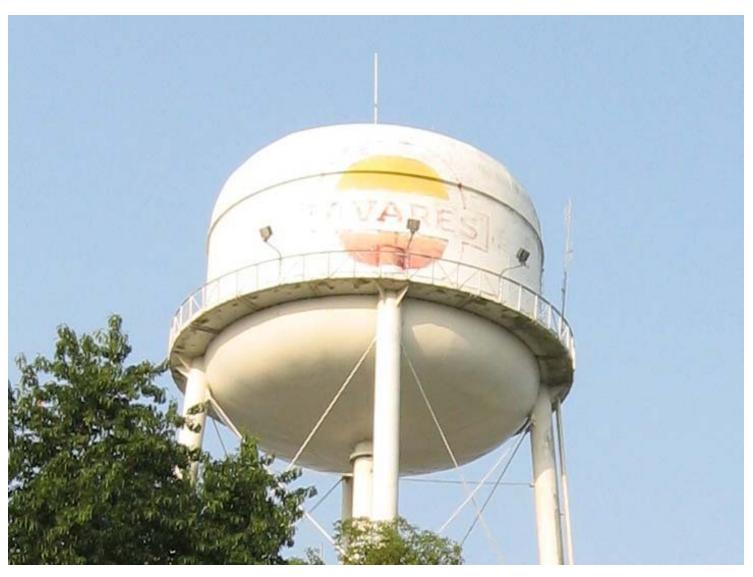


Demand for Florida homes permitted in 2005:

- Total Water Use
- Irrigation
- Overwatering

- ~20,800,000,000 Gal/yr
- ~10,400,000,000 Gal/yr
- ~ 5,020,000,000 Gal/yr





200,000 Gallon Water Tower

THE BUSINESS JOURNAL March 24-30, 2006 · \$2.50 Broward Edition

Water woes hit development

EDITOR'S NOTE: This is the first in a series examining how the region's drinking water is running low.

BY SUSAN STABLEY

South Florida has run out of natural sources of drinking water and will likely experience halted development due to the problem.

Major real estate projects in the tricounty area must be curbed until alternative sources of water can be developed, according to the state. Already, it has told Miami-Dade County to reject 17 large-scale projects because of drinking water scarcity.

And the creation of alternative water sources will not happen soon. The work will cost of hundreds of millions of dollars and can take decades to complete, according to estimates from regional and local water officials.

"For us to go back into a built environment is a very expensive proposition," said Doug Yoder, assistant director of Miami-Dade County's water and sewer department.

Last week, Gov. Jeb Bush vowed to make South Florida confront its water issues before the state will approve any more large projects.

"It makes no sense to develop west and west and west without the adequate development of infrastructure and water supply," Bush said at the Urban Land Institute's Symposium on Regional Cooperation on March 17.

See WATER, Page 62

POTENTIAL SOLUTION Fort Lauderdale is pumping water into the saltier Floridan Aquifer, where it forms a freshwater bubble that can be tapped in times of drought. Prospect Wellfield Fiveash Water Treatment Plant Aquifer Aquifer Aquifer ASR Well

Floridan Aquifer

Source: City of Fort Lauderdale Public Services Department

Program for Resource Efficient Communities

Certification/Incentives

Certifications/Incentives





Florida Yards & Neighborhoods





Green Built Homes

of Florida

Save money. Save energy. Save resources.





Stewardship starts at home.

Lakewood Ranch - Bradenton

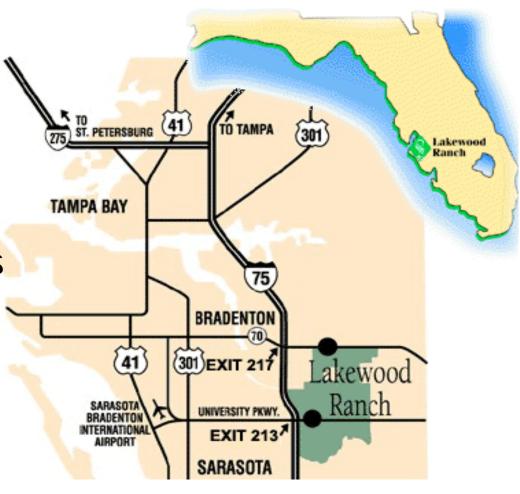
FGBC Certified:

- Sales Centers
- Homes
- Community

AI Certified Golf Courses







Beazer Homes - Jacksonville







Stewardship starts at home.



Green Built Homes

of Florida

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Program for Resource Efficient Communities

Demonstrations

Madera



Reduced Impact Landscape

Madera



Reduced Impact Landscape

Idylwild

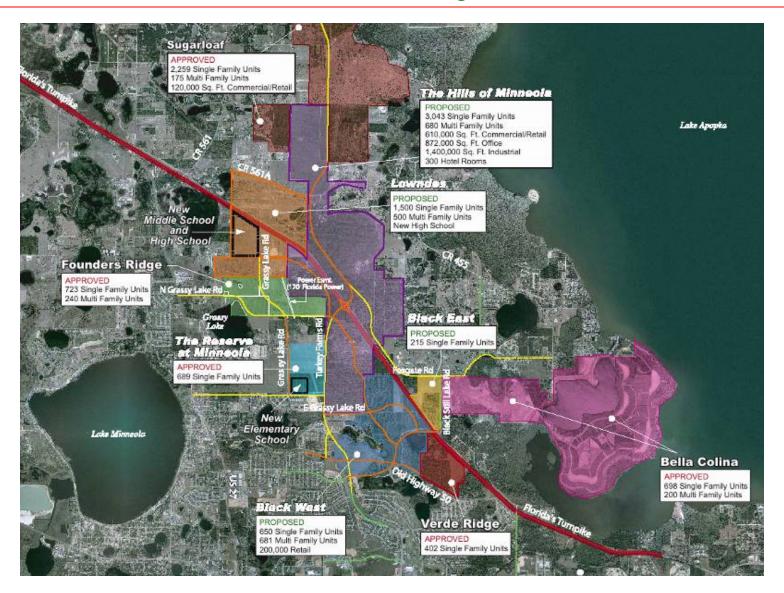


Conventional Practice

Program for Resource Efficient Communities

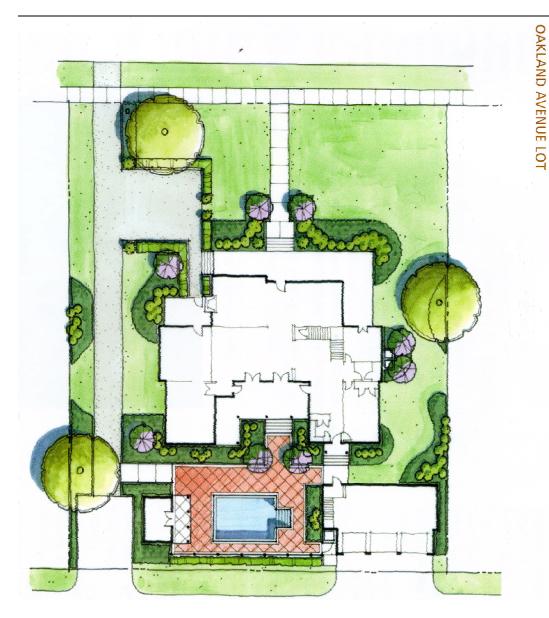
Summary

Summary



Lake County

Oakland Park



FRONT YARD

Trees minimum of 2 canopy trees

and 2 accent trees

Shrubs 20% minimum

Groundcover ...15% minimum

Turf60% maximum

SIDE YARD

Trees minimum of 1 canopy tree

and 2 accent trees

Shrubs 30% minimum

Groundcover ..0% minimum

Turf70% maximum

ALLEY YARD

Shrubs 30% minimum

Groundcover . .0% minimum

Turf70% maximum

Hills of Minneola

East Central Florida Regional Planning Council Recommendations:

- No St Augustine grass
- Half of all models 100% xeriscaped

All homes Florida Water Star qualified





Bella Colina





Reduced Impact Landscape

Summary

Florida's Development Environment:

- New growth happens fast
- Tested, better practices are available
- Certification programs are in place
- Plenty of room to improve quickly
- Developers are not resistant





Context



Frances Daniels and Frances Dinsmore