Infrastructure Discussion

June 19, 2006
Existing Wildfire Susceptible Areas

Legend

Volusia County
Existing Land Use in Wildfire Susceptible Areas

New Smyrna Beach

Edgewater
Future Wildfire Susceptible Areas

New Smyrna Beach
Summary Points

• The build out rate of the existing projects is unknown.
• Existing and future wildfire exposure impacts much of the UC service area.
• Detailed studies used historical growth and added new project impacts.
• The constraint map reflects immediate (1-3 years) and short-term (< 5 years) needs.
• Existing infrastructure can be significantly impacted by project growth.
• Water, wastewater, reuse water are critical determinant areas. (WW-RU study results are expected in July, 2006.)
• 20 inch LPT Main, Smith St. upgrades, and South Causeway tank and PS are essential for short-term existing system and certain project developments.
• 20/16 inch SR 44 W Main and 12/8 inch W Main are essential for Western area Projects.
• Pioneer Trail 12/8 inch are essential for infill areas west of Williams Road.
• Electric impacts are dependent upon existing growth and the type of new project load affecting substation transformer additions and conductor upgrades or additions.
• 10-Year CIP used aggressive forecast to drive the range of plan options.
• Depending upon the project, ordering of infrastructure implementation can change.