



Water Resources Element (WRE)

Update to Board of County Commissioners

May 28, 2009

HB 1141

“Land Use - Local Government Planning”

- Signed into law May 2, 2006
- Required Water Resources Element of comprehensive plan
- To be adopted by October 1, 2009

Components of the WRE

- Water supply
- Wastewater
- Nonpoint Sources (NPS)

The WRE will address the relationship between planned growth and water resources.

Technical Work & Studies Needed to Prepare WRE

In house:

- Water Supply Capacity Management Plan (CMP) worksheets
- Wastewater Capacity Management Plan (CMP) worksheets
- Nonpoint Source (nutrient loading analysis)

Technical Work & Studies Needed to Prepare WRE

Malcolm Pirnie:

- Update 1988 RE Wright Study
- Water balance assessment
- Wastewater limitations
- Water & wastewater alternatives analysis
- Strategies to address in plan

Examples of Factors to Consider

- Water supply
 - Existing & future demand
 - Capacities
 - Limitations
- Wastewater
 - Existing & future demand
 - Capacities
 - Limitations
- Existing and projected nutrient loads
- Maryland's Chesapeake Bay Tributary Strategy Statewide Implementation Plan
- Tributary Strategy Nutrient Caps on WWTPs
- Impaired waters
- TMDLs
- Tier II waters
- Current septics
- Impervious cover
- Land use
- Best Management Practices (BMPs)

Carroll County Process

- Collaborative partnership
 - Carroll County
 - Municipalities in county
 - State agencies – MDE, MDP, DNR
- WRCC

WRE Plan Document

- Assess relationship between water resource issues and planned growth
- Identify and balance alternatives & costs for meeting projected need
- Identify how strategies for all three components fit together
- Develop plan document & go through adoption process

plan = summaries, interpretations, supporting maps and tables, & strategies

Pathways Proposals

- Requested Malcolm Pirnie to evaluate water and wastewater alternatives related to Pathways proposals
- To be complete by July 10, 2009 (end of Pathways Plan 60-day review period)
- Will request concurrence from BCC for addendum to Malcolm Pirnie contract for additional analysis

Next Steps: Timeline

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|--|---------------|
| • Malcolm Pirnie evaluate water & wastewater alternatives for Pathways proposals | Jul 10 09 |
| • Complete draft WRE | Jul 09 |
| • 60-Day Review Period | Jul to Sep 09 |
| • Planning Commission Public Hearing | Sep/Oct 09 |
| • Forward to Elected Officials to consider for adoption | Oct 09 |