



BABBITT CENTER
FOR LAND AND WATER POLICY

A Center of the Lincoln Institute of Land Policy

State Water Management Frameworks

American Planning
Association

Water & Planning Connect

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State Water Management Frameworks

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WATER & LAND USE - THE MISSING LINK

WHY HISTORICALLY A DISCONNECT

Water Use – regulated at state & federal levels

- Quality – Federal ... vs... Quantity - State
- Reacting to crisis, facilitating econ development
- Water & Land – separate commodities, separate property rights
 - Surface Water – Riparian vs. Prior Appropriation
 - Groundwater a public (not private) resource

WATER & LAND USE - THE MISSING LINK

WHY HISTORICALLY A DISCONNECT

Land Use – regulated by local government

- Avoid nuisance, grow & increase tax base
- Water historically not examined in comp. plans
 - Planners & water managers don't interact
- Comprehensive plans previously were often not followed
 - Too general, different elements conflict
 - Investment decisions – incremental & disconnected
- State & Local interests may be inconsistent

WATER & LAND USE - THE MISSING LINK

WHY HISTORICALLY A DISCONNECT

- Significant growth on urban fringe and rural areas
 - with little planning capacity and limited water data
- The regional and local water related impacts of development do not line up
 - Local areas receive benefit of development, but may not bear impact on water resources
- Inadequate willingness/ability to invest in water resources planning or management – at state & local level
- Assumption water will move uphill towards development
 - Just buy the rights and build infrastructure
- Leave it to the experts – water is complicated ...trust us!

WATER MANAGEMENT - Framework & Tools

- Local – Regional – Statewide – Larger Institutions
- Planning - Econ Incentives - Regulatory
- Management Focus
 - Quality vs. Quantity
 - Withdrawal & Use Rights and Reporting
 - Demand Management: Conservation Requirements & Use Restrictions
 - Supply Management: GW vs SW, Sustainable use, Reuse

Water in Comprehensive Plans

- Babbitt Center Comprehensive Plan Review
 - Every AZ jurisdiction; 50 CO jurisdictions; 3+ jurisdictions in other basin states
- Essential Elements:

Current Water Resources Overview	Future Resiliency Considerations	Land Use/Water Planning Tools
Description of Water System & Supplies	Population Growth	Low Water Use Development Strategies & Green Infrastructure
Water Conservation Efforts	Development Expectations	Preserve Natural Areas
Water Demand Management	Water Demand Scenarios	Innovative Zoning Techniques
Water Quality	Water Supply Sustainability	Outdoor Water Use Regulations
Stormwater Management	Climate Change Impacts & Drought Planning	Regional Watershed Planning Coordination



Colorado

Less: 30

Integrated: 14

More: 5

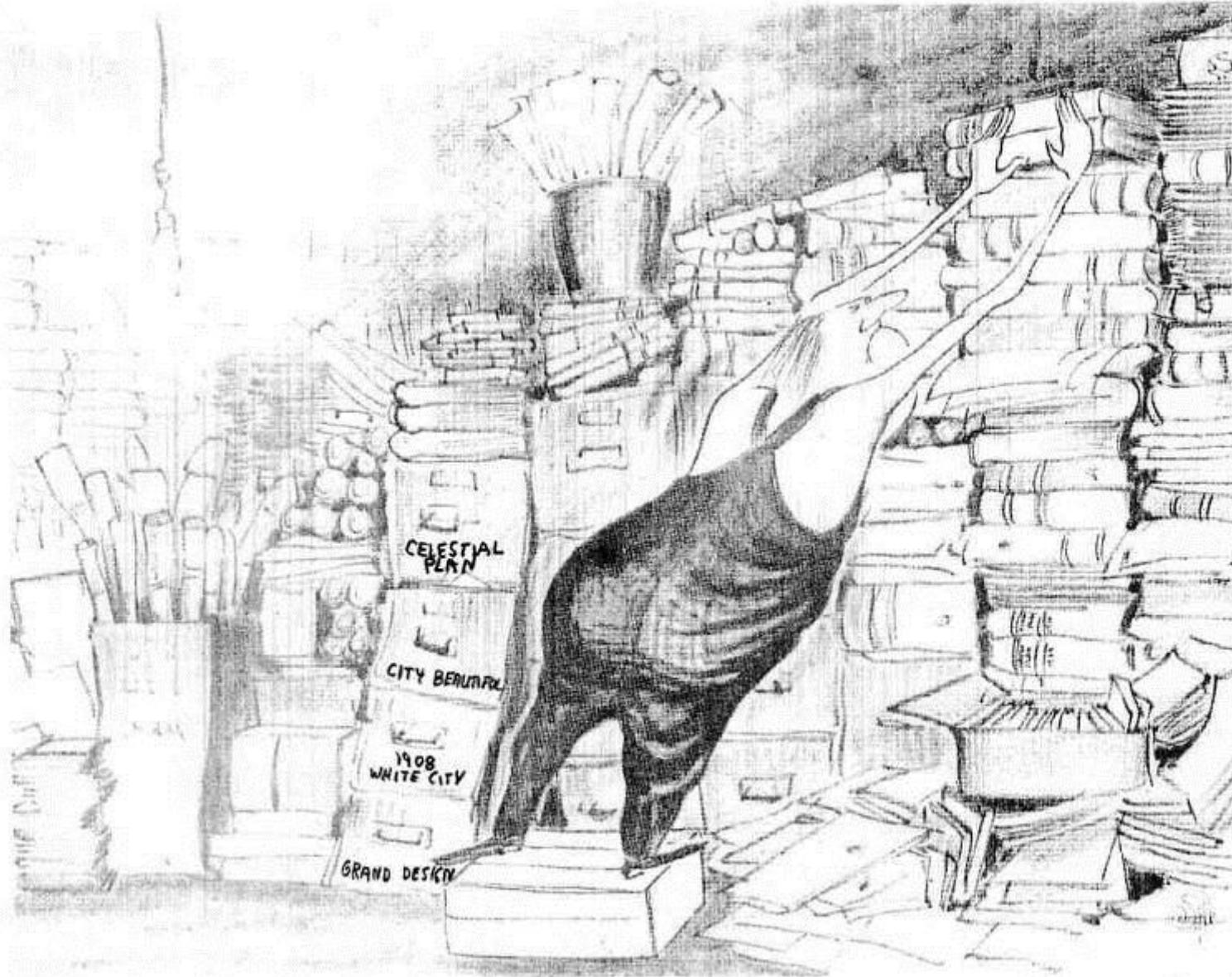
Land Use in Water Efficiency Plans

Interviews with 10 Colorado water providers revealed:

1. Land use planning and development approval influence water use initially
2. All providers can collaborate with land use authorities
3. Long-range planning and development approval processes are two important points of collaboration
4. Value of technical assistance

Essential Elements:

- 70+ land use efforts identified as appropriate for Water Efficiency Plans
- *Foundational Activities:*
 - Establish Regular Contact and Information Sharing
 - Align Data and Establish Coordinated Procedures
 - Water Provider Participates in Development Approval
 - Integrate Long Term Land Use and Water Planning



Implementing the Plan