

ROCKY MOUNTAIN LAND USE INSTITUTE CONFERENCE
MARCH 7
POOLING OUR RESOURCES: LINKING LAND USE PLANNING AND
SUSTAINABLE WATER QUALITY

SLIDE 1 : What is sustainable water quality?

APA definition of sustainability: Need to find this

SLIDE 2: Workable definition of *sustainability* for Water Quality is:

"Sustainable water resource systems are those designed and managed to fully contribute to the objectives of society, now and in the future, while maintaining their ecological, environmental, and hydrological integrity."

American Society of Civil Engineers, 1998

SLIDE 3: WHAT'S A WATERSHED

Insert slide from CWP

SLIDE 4: Use the following techniques to guide city policies and decisions towards a sustainable future:

- Use a watershed approach to managing the water quality of the city's water resources.
- Prevent pollution at its source.
- Integrate water quality and quantity issues into all city processes.
- Seek and involve all stakeholders in developing local management strategies.
- Develop the best scientific information available for public decision making, while continuing to improve that knowledge base.

SLIDE 5: OVERVIEW OF WATER QUALITY ISSUES WHICH INTERSECT WITH LAND USE DECISIONS

Source water protection
Water Conservation
Stormwater Quality
Nonpoint source pollution
Wastewater treatment and discharge
Reuse/reclaim wastewater
Groundwater

IMPORTANT: Critical to think about water quality management at the front end of design or decision process

SLIDE 6: When understanding approach, need to understand the scale of the issue:
Insert slide: It Depends... Watershed (regional) or local site design

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Introduce participants in decision making that affect WQ management

SLIDE 7: "CIRCLE OF DISCIPLINES"

Planners
Regulators,
Biologists
Engineers
Landscape Architects
Lawyers

SLIDE 8: "LOCAL CIRCLE OF INSTITUTIONS"

Planning Commission
Council
Land use dept.
Transportation
Drinking water utility
Flood utility
Private companies
Parks & Recreation

SLIDE 9: REGIONAL CIRCLE OF INSTITUTIONS

Army Corps of Engineers
US Environmental Protection Agency
State Department of Public Health and Environment
County Department of Health
Regional Council of Governments
Colorado Waterwise Council

SLIDE 10: POLICY IMPLICATIONS

Regional infrastructure
Master plans
Comprehensive plans
Ordinances

SLIDE 11: CHALLENGES OF INTERMOUNTAIN WATER SUPPLY
(Russ George, former director of Colorado Dept. of Natural Resources (yes?))

1st Drought: Not enough water or "Classic Drought"
2nd Drought: Use more water than available
3rd Drought: Quality is not suitable for human use

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SLIDE 12: UPCOMING CHALLENGES : Separate slides for each
Temperature Standards
Water supply transmission
Beetle kill in Grand County
State Stormwater permit: the next cycle

SLIDE 13: INFORMATION RESOURCES : graphically make the bolded organizations
stand out because the next 2 speakers will focus on these resources.

Center for WS Protection
LID Center
International Stormwater BMP databases
Council of Governments (COG'S)
NEMO organizations
Extension Services
EPA
USGS
Universities
American Water Works Association