

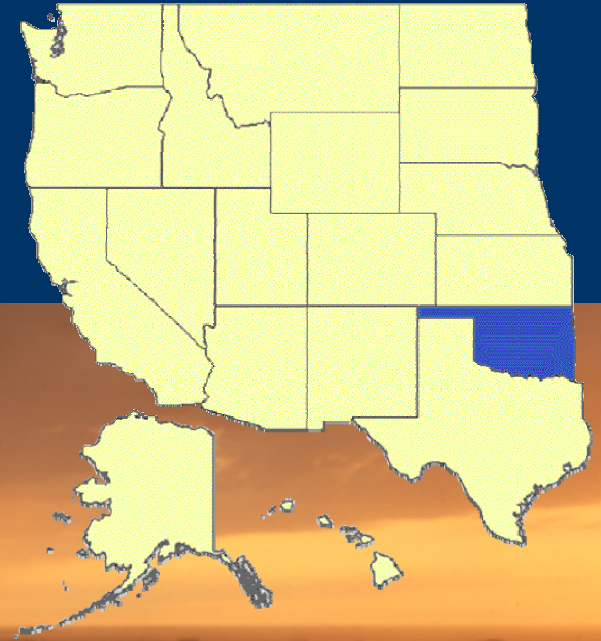
The Future of Water Infrastructure

*Working Cooperatively to
Find Local Solutions*

Duane Smith

Chairman, Western States Water Council

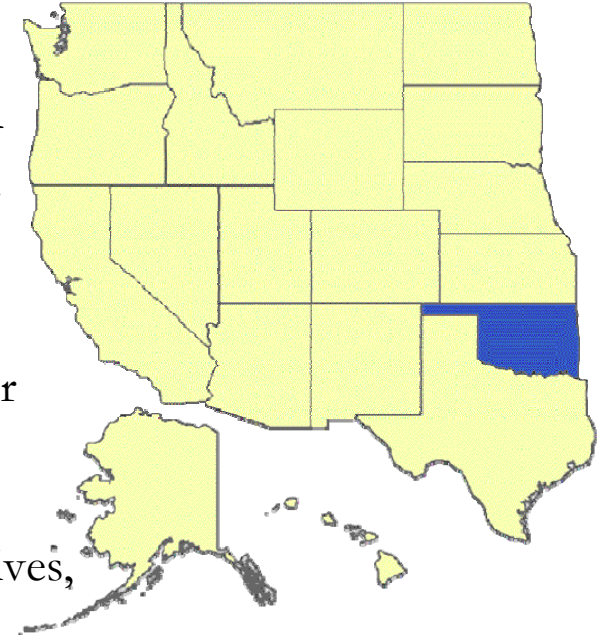
Executive Director, Oklahoma Water Resources Board



Western States Water Council:



- The “water arm” of the Western Governors’ Association
- Represents policy and governance issues in the 18 western states, including Oklahoma.
- Purposes:
 - (1) Enhance cooperation among western states in the conservation, development and management of water resources;
 - (2) Balance state prerogatives with federal interests;
 - (3) Provide a forum for the exchange of views, perspectives, and experiences among member states; and
 - (4) Assist member states in evaluating impacts of federal laws and programs and the effectiveness of state laws and policies.



Oklahoma Water Resources Board:

- Responsible for the management and protection of Oklahoma’s surface and groundwater resources.

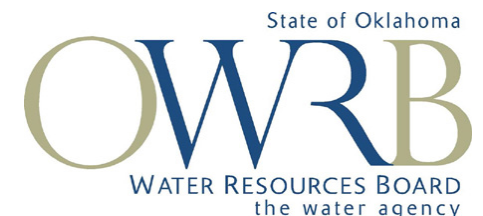
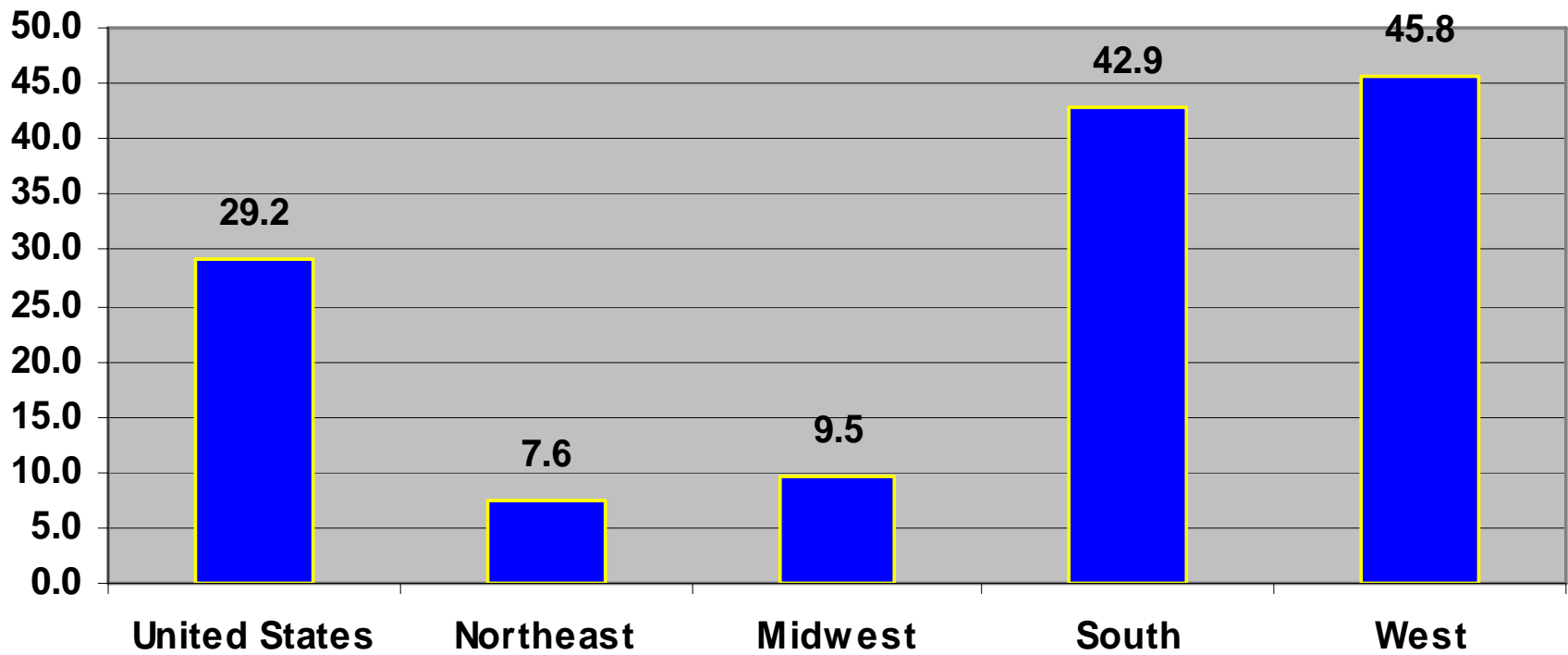
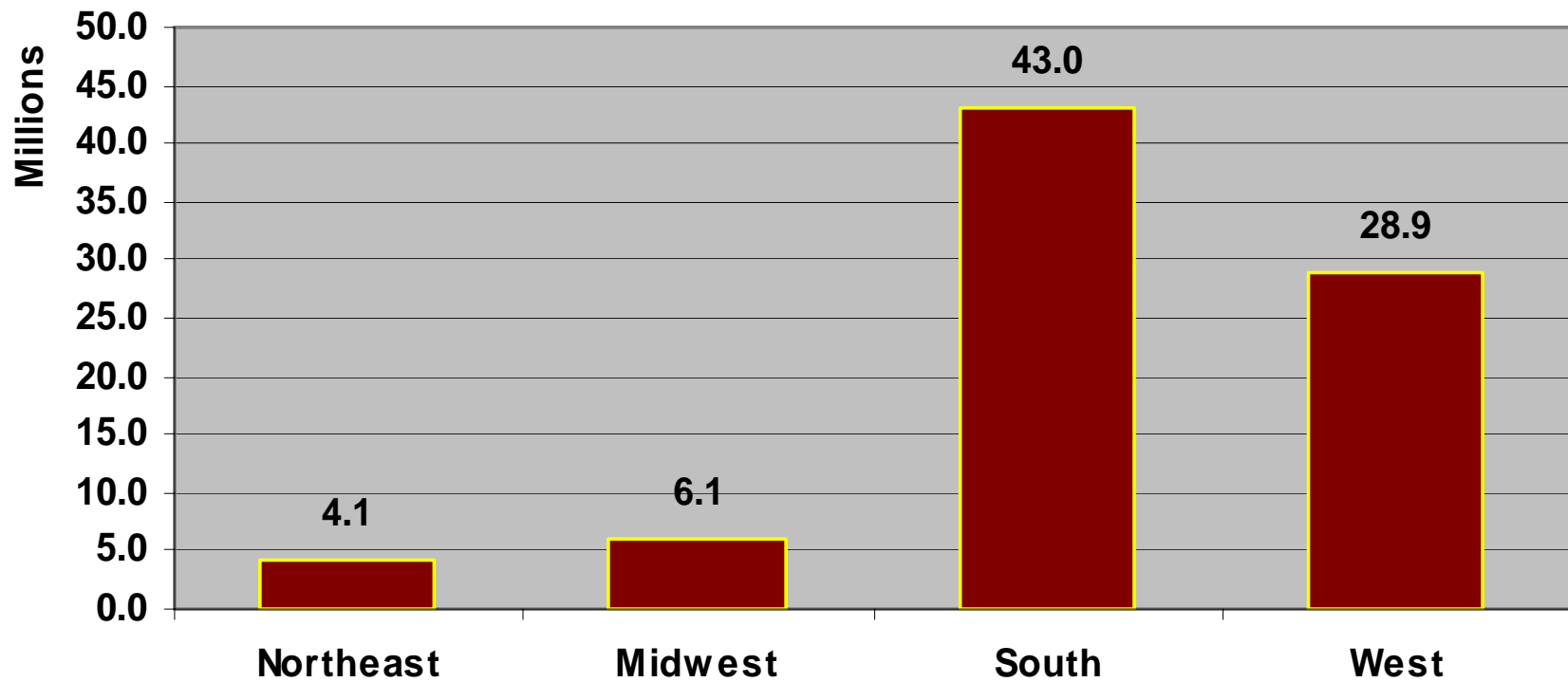


Figure 1: Interim Projections: Percent Change in Population by Region of the United States, 2000 to 2030



Source: U.S. Census Bureau, Population Division, Interim State Population Projections, 2005

Figure 2: Interim Projections: Numerical Change in Population by Region of the United States, 2000 to 2030

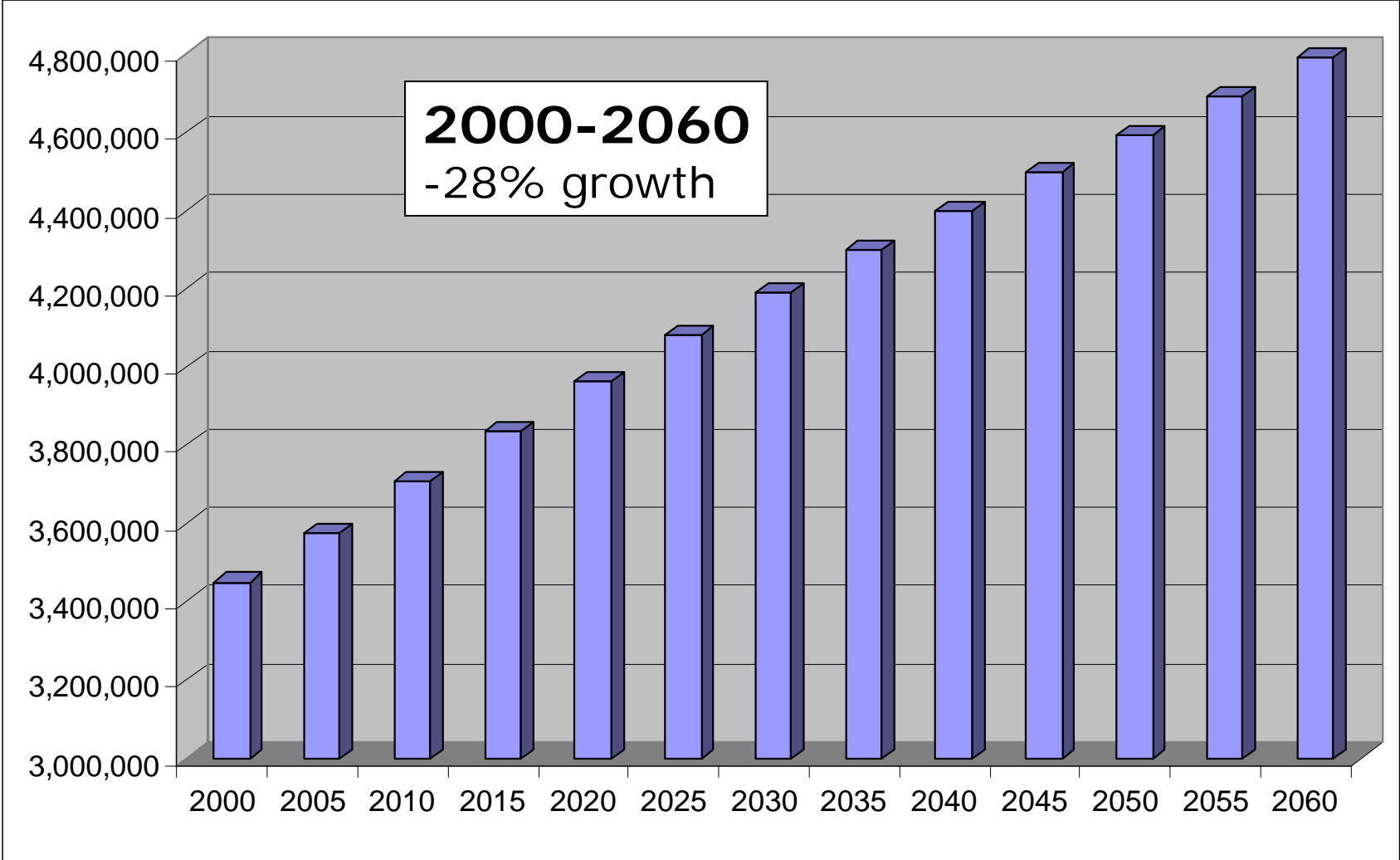


Source: U.S. Census Bureau, Population Division, Interim State Population Projections, 2005

Population Growth

OKLAHOMA

Oklahoma State Data Center, OK Dept. of Commerce

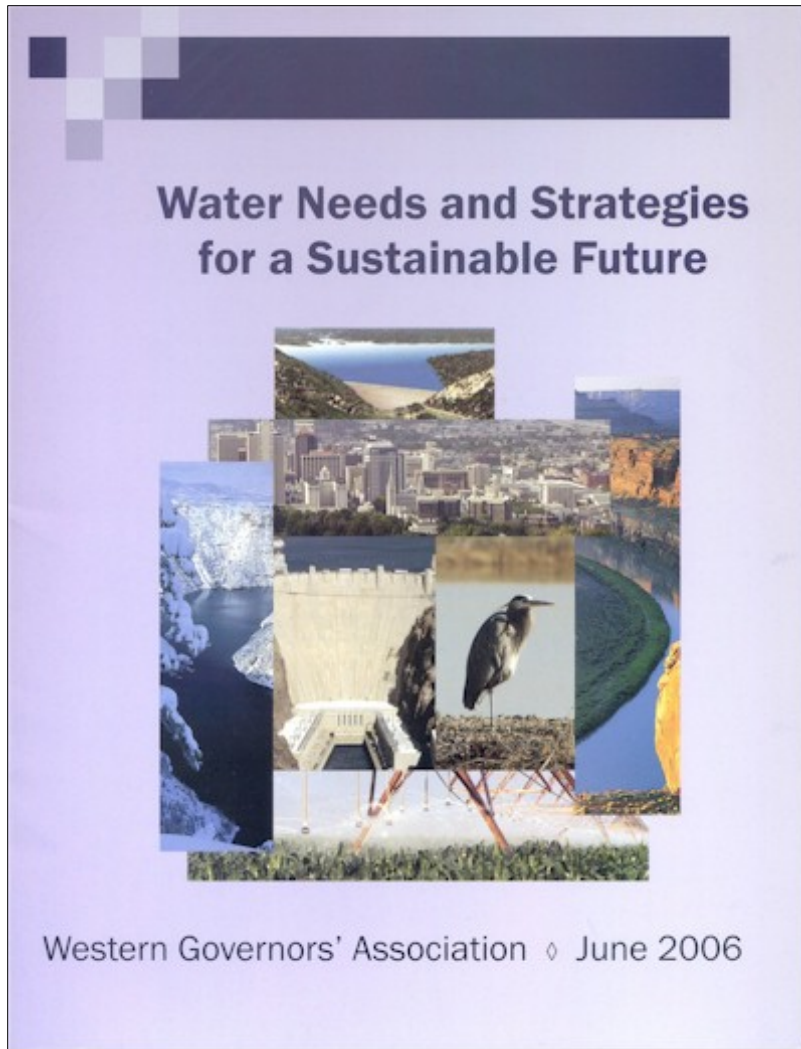


Population Growth in the West

U.S. Census Bureau

State	2000	2030	Difference
KS	2.69	2.94	250,000
TX	20.9	33.3	13 million
NM	1.81	2.10	290,000
ID	1.29	1.97	680,000
CO	4.3	5.79	1.5 million
AZ	5.13	10.7	5.6 million
NV	1.99	4.28	2.3 million
WA	5.89	8.62	2.7 million
OR	3.42	4.83	1.4 million
CA	33.87	46.44	12.6 million

“Water Needs and Strategies for a Sustainable Future”

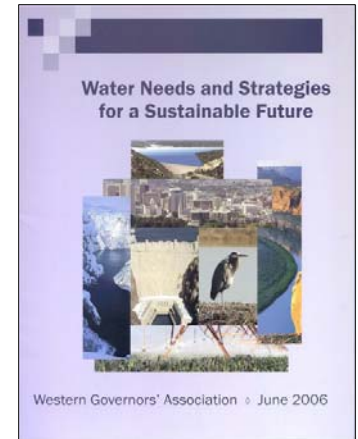


WESTERN GOVERNORS' ASSOCIATION

- Adopted by WGA Governors
– June 2006

“Water Needs and Strategies for a Sustainable Future”

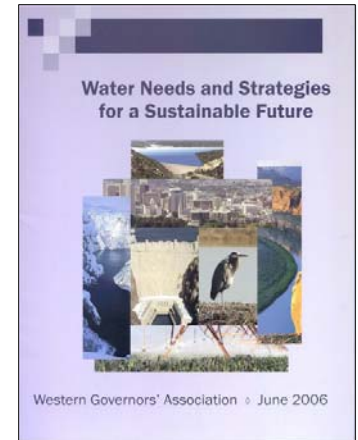
WGA Report (2006)



Primary Topics:

- Water Policy and Growth
- State Needs and Strategies to Meet Future Demands
- **Water Infrastructure Needs**
- Resolution of Indian Water Rights
- Preparation for Climate Change Impacts
- Protecting Aquatic Species under the Endangered Species Act

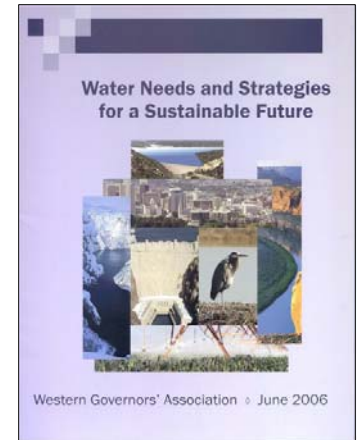
Water Infrastructure Needs WGA Report Recommendations



Continued and stable appropriations for the federal State Revolving Fund

- **“...support continuing stable federal State Revolving Fund appropriations at a level of \$1.35 billion for the Clean Water SRF and \$850 million for the Drinking Water SRF...”**
- **“...states need flexibility and fewer restrictions in addressing their priorities.”**

Water Infrastructure Needs WGA Report Recommendations



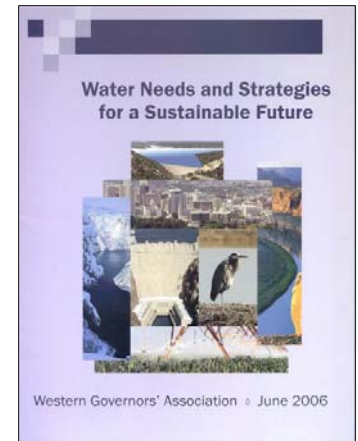
Urge Congress to increase appropriations from Reclamation Fund to BoR projects

- **“...urge Congress to increase appropriations from annual receipts accruing to the Reclamation Fund, for authorized Bureau of Reclamation projects and purposes, to help meet western water supply needs, especially for rural communities, to maintain and replace past projects, and to build new capacity necessary to meet demands related to growth and environmental protection.”**

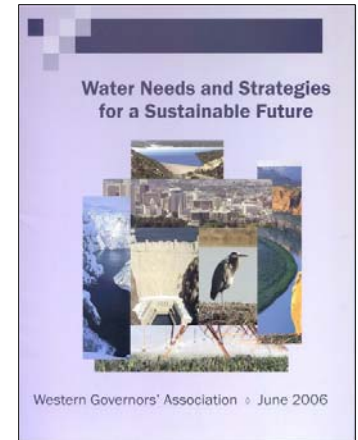
Water Infrastructure Needs WGA Report Recommendations

**Urge Congress to enact WRDA to
authorize important Western
projects**

- **“...ask Congress to enact S. 895 (“The Rural Water Supply Act of 2005”) to assess rural water supply needs and authorize federal loan guarantees under Title II to better enable non-federal project sponsors to obtain private financing for... operation and maintenance, rehabilitation and replacement costs.”**



Water Infrastructure Needs WGA Report Recommendations



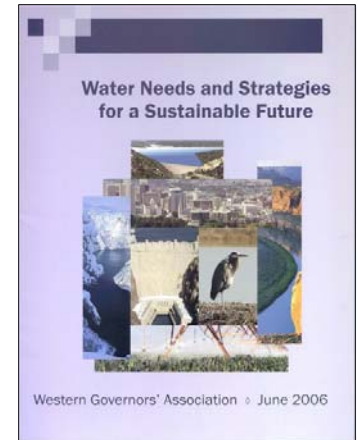
**Watershed planning, i.e.
source-water protection;
stormwater; and NPS**

- “...Congress needs to enact new authority for the U.S. Army Corps of Engineers, the Water Resources Development Act (WRDA), which includes many projects important to the West, and carefully consider planning and prioritization changes...”

Water Infrastructure Needs WGA Report Recommendations

A coordinated regional/watershed approach

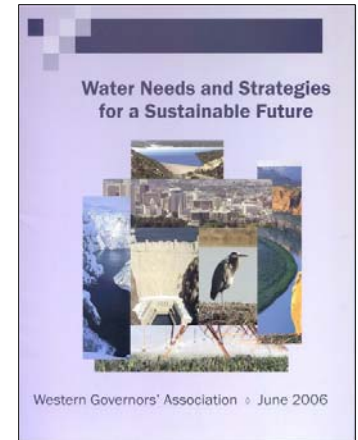
- “...encourage all levels of government to maximize opportunities for a coordinated regional and/or watershed approach under state and federal water pollution control laws to source water protection, stormwater management and non-point source pollution.”



Water Infrastructure Needs WGA Report Recommendations

Coalition building to support infrastructure funding

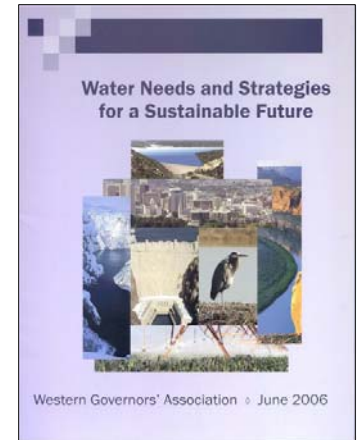
- “...identify the beneficiaries of our existing water infrastructure and opportunities to expand the range of interests to build a coalition to support necessary funding, as well as evaluate any opportunities to consolidate delivery of water-related services.”



Water Infrastructure Needs WGA Report Recommendations

Identify partnership opportunities

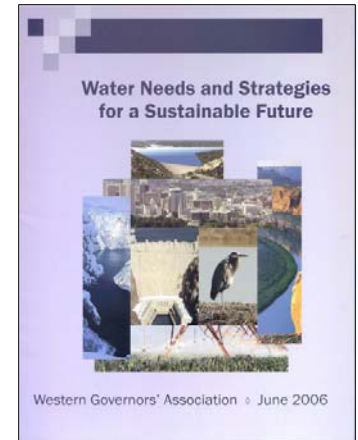
- “...identify successful water resources-related infrastructure and natural resources management partnerships and evaluate organizational opportunities for public/private, federal/state/local, agency/ agency, agricultural/urban and other effective partnerships.



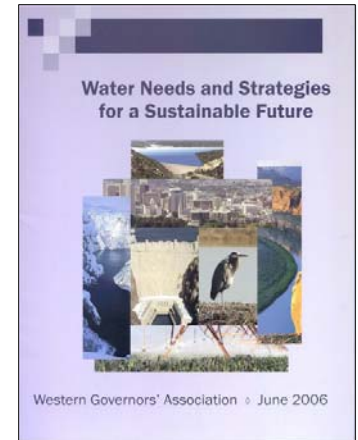
Water Infrastructure Needs WGA Report Recommendations

Develop public education/outreach programs

- “...states should develop coordinated public education and other outreach programs to help survey and communicate the need for adequate public infrastructure investments at all levels of government, highlight the consequences of a failure to address our present problems, and stress the need to price water-related goods and services to allow for necessary capital budgeting for project rehabilitation and replacement.”



Water Infrastructure Needs WGA Report Recommendations



Bring together stakeholders to prioritize infrastructure needs and promote planning

- “...organize a series of ongoing biennial symposia designed to: (a) bring stakeholders together to try and find ways to meet our growing western water, wastewater, watershed protection and restoration, and public safety-related infrastructure funding needs; (b) find ways to quantify, evaluate and prioritize funding those needs; and (c) highlight the benefits of integrated watershed, river basin, regional and interstate planning and management.”



Western States Water Council

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<http://www.westgov.org/wswc/>

State of Oklahoma
OWRB
WATER RESOURCES BOARD
the water agency

www.owrb.state.ok.us