

The Colorado Water Conservation Board



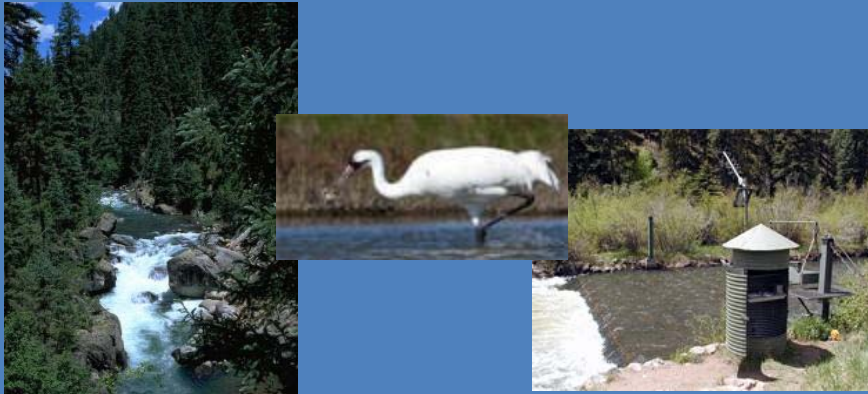
Meeting Colorado's Future Water Needs: CWCB's Loan Program



National Hydropower Association
Southwest Regional Meeting 2009



The Colorado Water Conservation Board



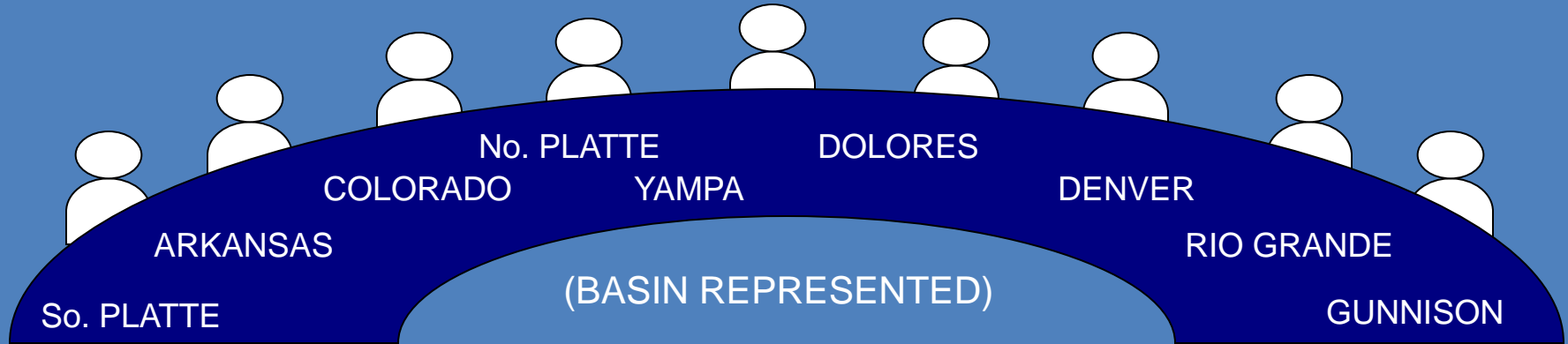
Operations/Programs:

- Water Project Loan Program
- Water Conservation and Drought Planning
- Interstate Compact Protection
- Stream and Lake Protection
- Watershed Protection & Flood Mitigation
- Decision Support Systems
- Water Supply Planning





COLORADO WATER CONSERVATION BOARD



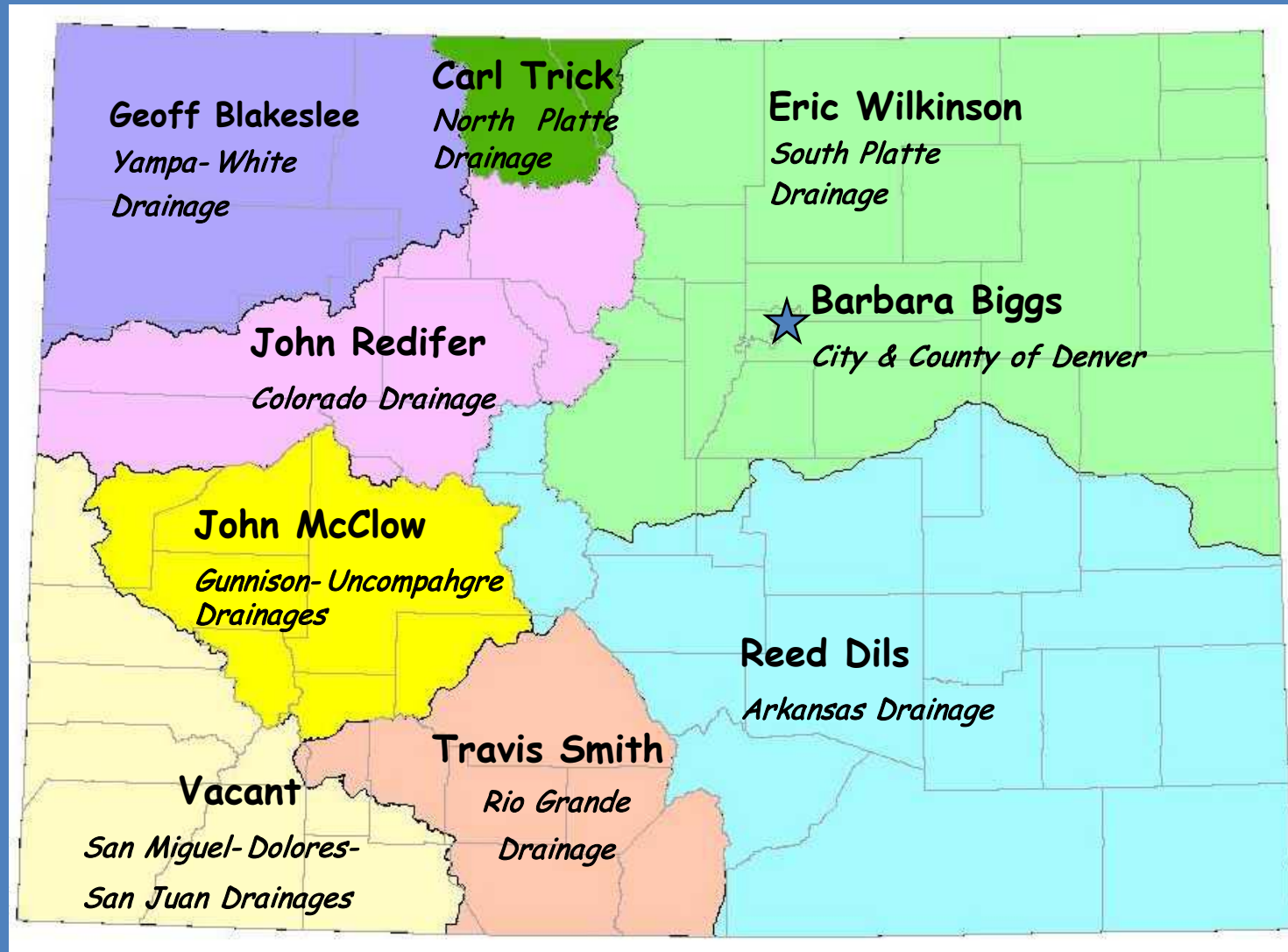
GOVERNOR APPOINTED



- * DNR EXECUTIVE DIRECTOR
- * DWR STATE ENGINEER
- * DOW DIRECTOR

- * CWCB DIRECTOR
- * DEPT. of AG COMMISSIONER
- * ATTORNEY GENERAL

CWCB – Board Representation



Ex-Officio Members:

Harris Sherman, DNR Director (*voting*) -- John Suthers, AG (*non-voting*) -- Dick Wolfe, State Engineer (*non-voting*)
John Stulp, DOA Director (*non-voting*) -- Tom Remington, DOW Director (*non-voting*) -- Jennifer Gimbel, CWCB Director (*non-voting*)

ORGANIZATIONAL CHART

GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

**WATER
CONSERVATION
BOARD**

Oil & Gas
Conservation
Commission

State
Land
Board

Division of
Minerals &
Geology

Div. of Parks
& Outdoor
Recreation

Forest
Service

Division
of
Wildlife

Division of
Water
Resource

Watershed
Protection &
Flood Mitigation

Water Supply
Protection
(Interstate Compacts)

Stream & Lake
Protection
(In-Stream Flows)

**WATER SUPPLY
PLANNING &
FINANCE**

Water
Conservation and
Drought Planning

Intrastate Water
Management and
Development

SERVICES

- Dam Safety
- Water Commissioners
- Well Inspections
- Water Rights
- Augmentation Plans

Mike Serlet P.E., Section Chief
Kirk Russell P.E., Loan Marketing
Anna Mauss P.E., Loan Feasibility
Vaughn McWilliams, Contracts
Tim Feehan P.E., Design/Construction
Steve Biondo, Accounting

Loan Information
Application
Feasibility Study
Board Approval
Contracting
Design/Construction
Expenditures
Substantial Completion
Repayment

Colorado Water Conservation Board

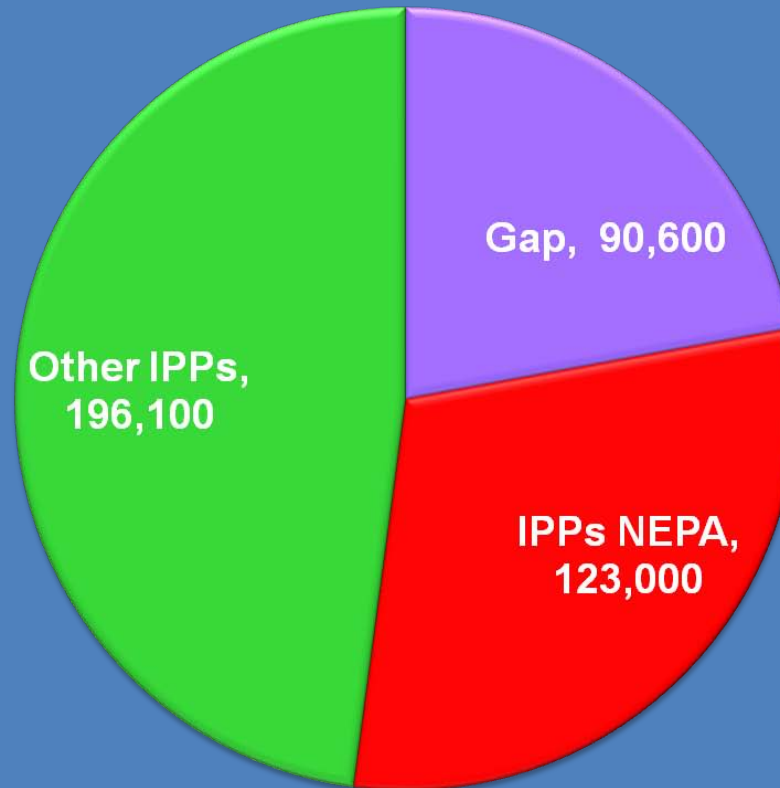
Colorado's Future Water Needs

- Projecting Population Growth
- Projecting Water Demands
- Identified Projects & Processes (IP&P's)
- The “Gap”



In 2030, the South Platte and Metro Basins will have 409,700 of New Demand (AF)

- South Metro Counties Rueter-Hess
- ECCV Northern
- Non-trib GW
- Denver Metro Counties
- Aurora Prairie Waters
- Thornton Poudre Pipeline
- Ag Transfers
- Gravel Lakes
- Northern Counties CBT acquisitions, ag transfers and local storage

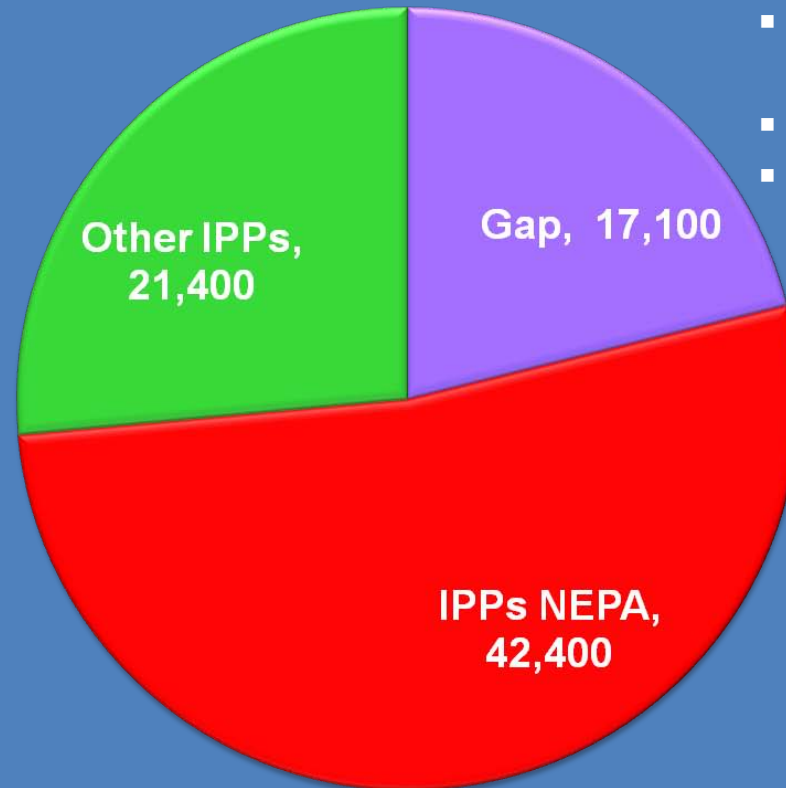


- South Metro
- Denver Metro
- Northern
- Upper Mountain
- Lower Platte

- Moffat Firming
- Windy Gap Firming
- NISP
- Halligan-Seaman

In 2030, the Arkansas Basin will have 80,900 of New Demand (AF)

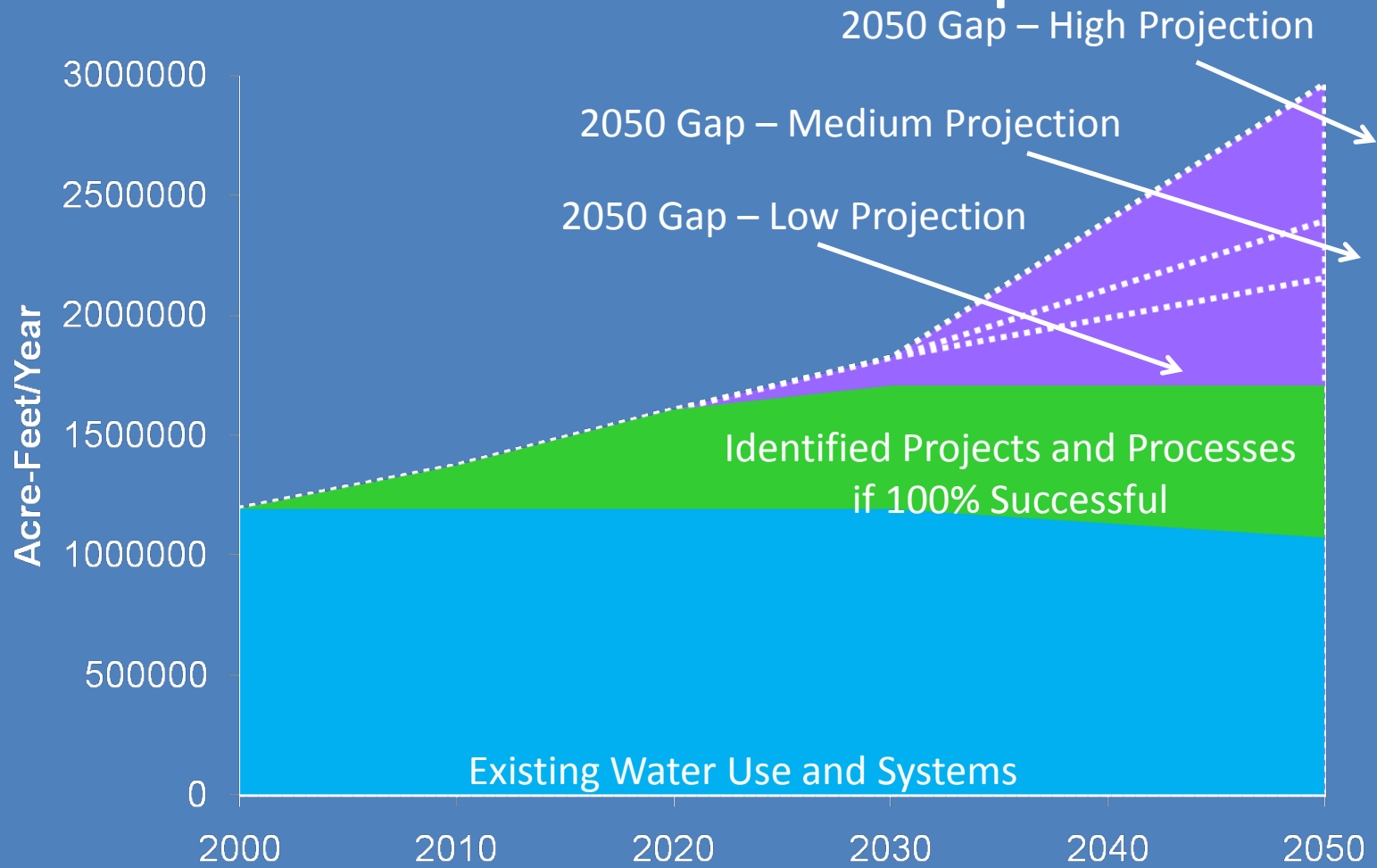
- Arkansas Valley Conduit
- Well augmentation
- Non-trib GW
- PSOP
- Existing water rights
- Agricultural Transfers



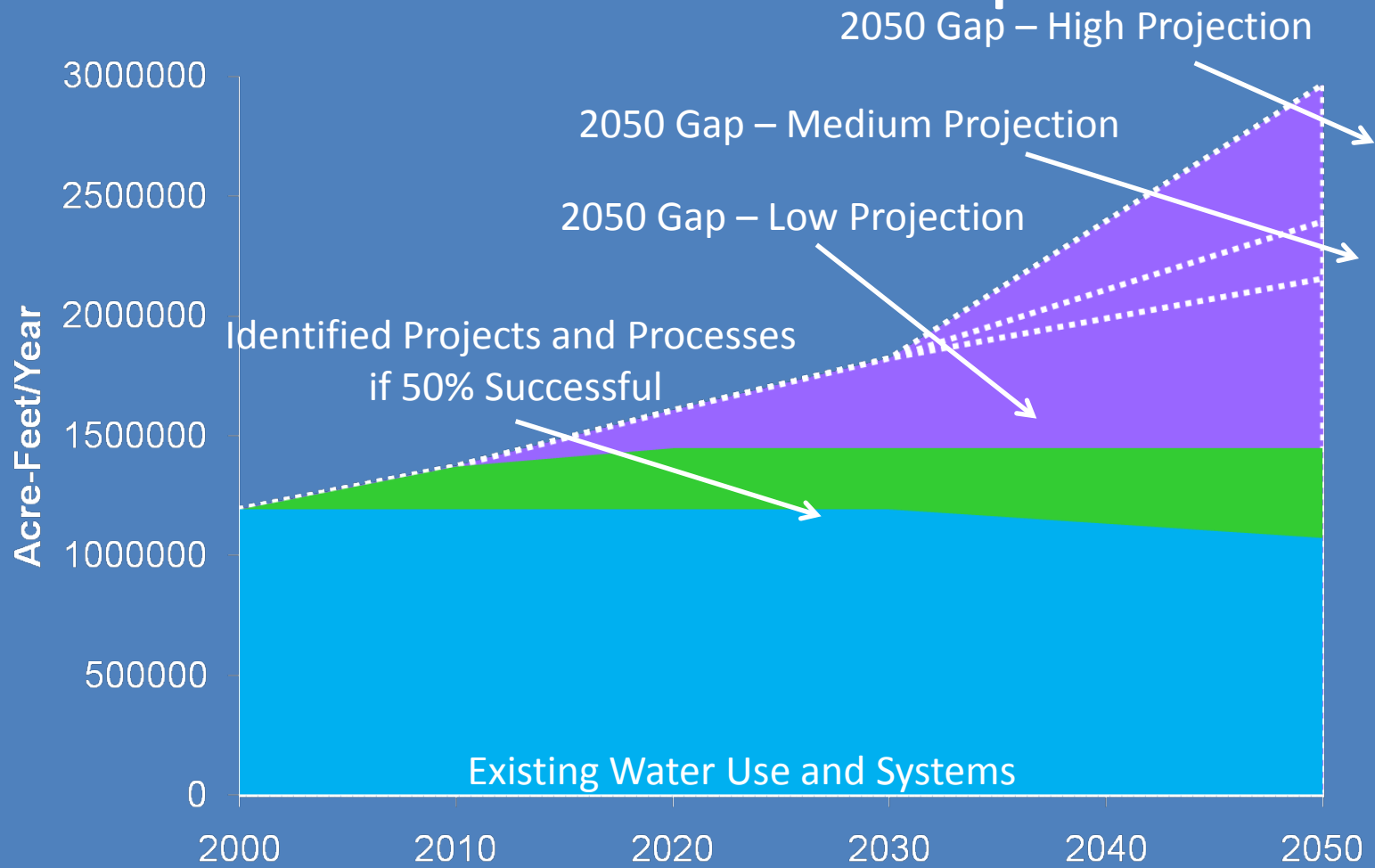
- Upper Arkansas
- Unincorporated El Paso County
- Lower Arkansas
- Southwestern Arkansas

- Southern Delivery System

State of Colorado Projected M&I Water Use and Gaps



State of Colorado Projected M&I Water Use and Gaps



Colorado Water Conservation Board

CWCB's role.....

- Financial Support for State Water Efforts
 - Feasibility Study Grants
 - Emergency Agricultural Drought Grants
 - WSRA Grants
 - Water Conservation Grants
 - Weather Modification Grants
 - Tamarisk Removal Grants
 - Low Interest Water Project Loans





COLORADO WATER CONSERVATION BOARD



WATER PROJECT LOAN PROGRAM



ELIGIBLE PROJECTS

RAW WATER Projects Only

- Reservoirs/Dam Rehabilitation
- River Diversion Structures
- Irrigation Ditches
- Wells & Pipelines
- Water Rights Acquisitions
- Flood Control
- **Hydroelectric Energy Facilities**





Project Financing

- 90% of Total Project Cost
- \$100,000 minimum loan
- FY2009 Rates (30yr)*
 - Agricultural 2.75%
 - Municipal 4.0 - 5.25%
- * Reduced if < 20yr
- Commercial 6.25%
- 1% Loan Service Fee



Municipal Rates 80% 110%



Statewide
Average
MHI = \$47,203



Loan Approval Schedule

Loan requests **UNDER \$10 Million**

- accepted 6 times/year
- Approved at CWCB bi-monthly meetings
- Apply by 1st of month (i.e. April 1st for May meeting)
- Allow 5 months for loan approval & loan contracting

Loan Application Due	Board Meeting Month
December 1st	January
February 1st	March
April 1st	May
June 1st	July
August 1st	September
October 1st	November





Loan Approval Schedule

Loan requests **OVER \$10 Million**

- Accepted once a year (Apply by August 1st)
- Loan Approval at November CWCB meeting
- Project included in Annual Construction Fund Bill
- Funding available July 1, with contract in place



CWCB Loan Program Process



* With Conservation Plan in Place

Colorado Water Conservation Board

CWCB's role.....

- Resource Support
 - Decision Support Systems
 - Statewide Studies
 - Water Conservation & Drought Programs
 - Information Resources
 - Flood Preparation & Response
 - Flood Mitigation
 - Salinity Program



Colorado Water Conservation Board

CWCB's role.....

- Facilitation
 - Chatfield Reallocation
 - Wild & Scenic Alternatives Process
 - IBCC staffing & Support
 - Water Users Interests in Federal Processes
 - Long Draw EIS
 - Gunnison River EIS



Colorado Water Conservation Board

CWCB's role.....

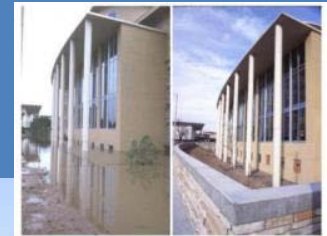
- Negotiation/Protection
 - Interstate Water Protection
 - ESA Recovery Program Negotiations
 - Protecting State Interests in Other Federal Processes
 - Flood Protection
 - Instream Flow Water Rights Protection



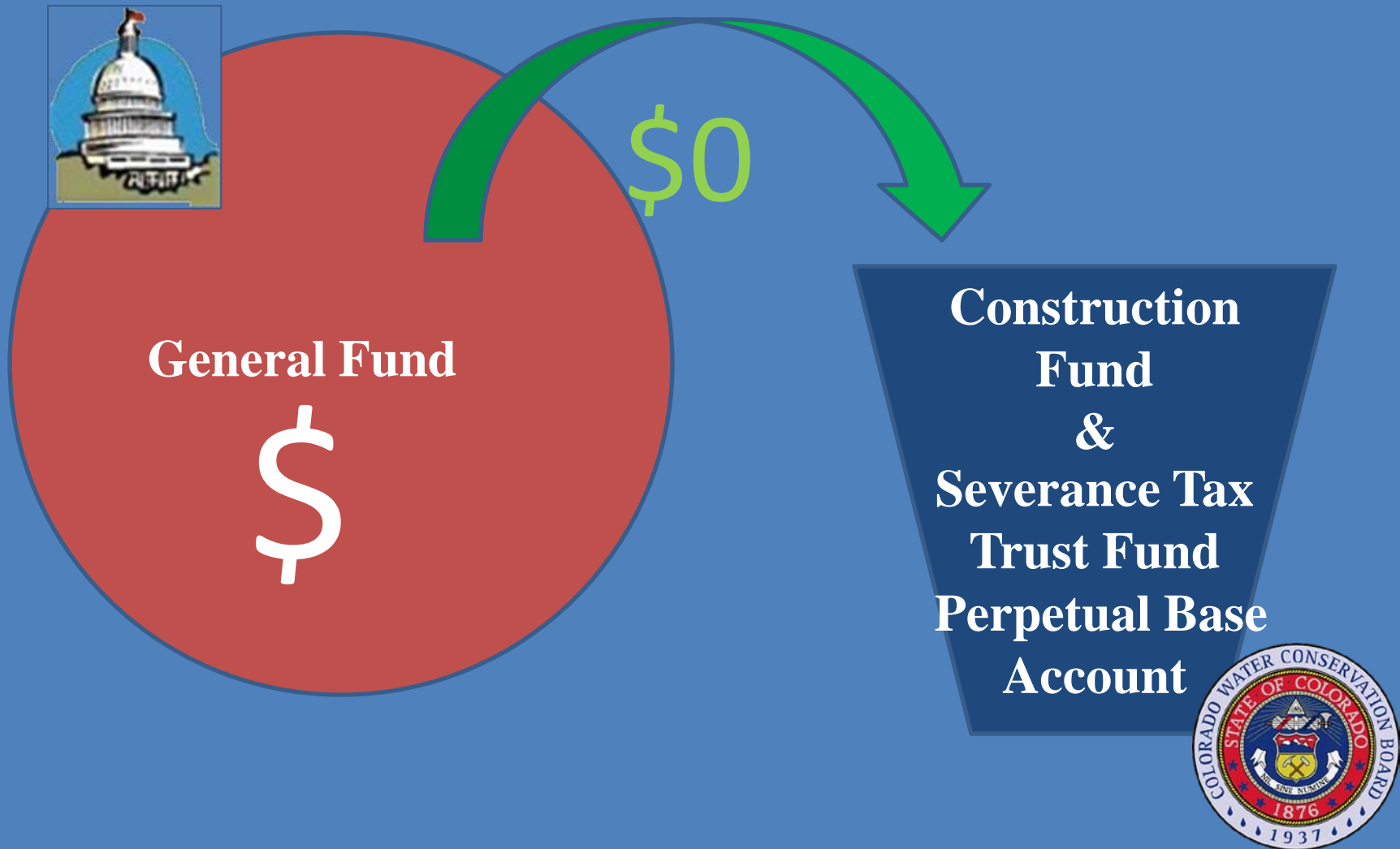
The Colorado Water Conservation Board



How does CWCB do all this without one dollar from the State's General Fund?



CWCB's Funds



CWCB is Self-Supporting

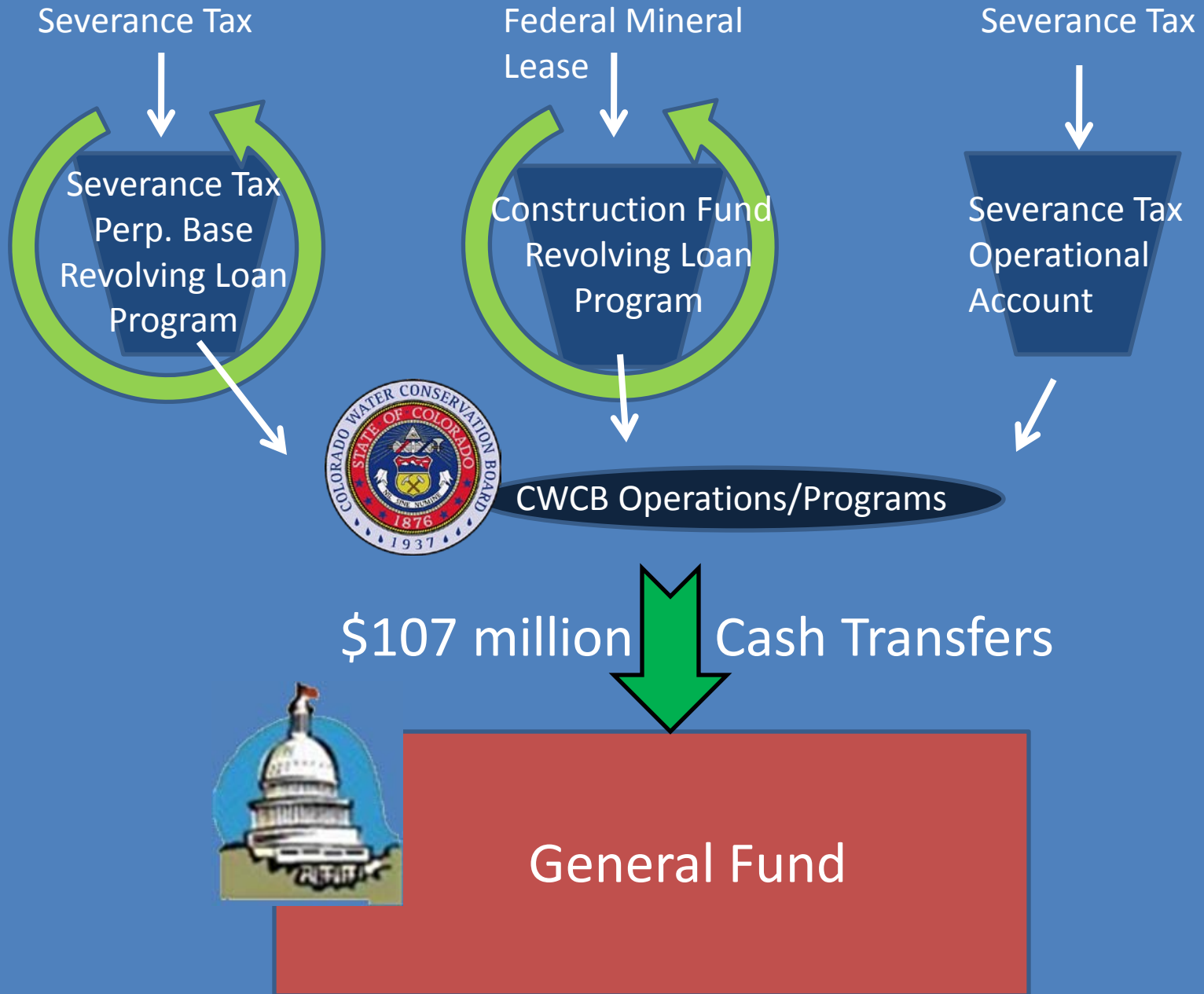


General Fund

Legislative Cash Transfers in FY09 & FY10

\$107 million transferred
from CWCB to help
with State budget





Help!



1. CWCB's role to support consumptive & non-consumptive uses will be threatened by any additional budget transfers.
2. Transferring money from these funds reduces/eliminates the CWCB's ability to be self supporting.

COLORADO WATER CONSERVATION BOARD

Water Project Loan Program



www.cwcb.state.co.us/finance

Kirk Russell, P.E.
(303) 866-3441 x3232
kirk.russell@state.co.us

