

Wyoming Water Development Program



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Director

Wyoming Water Development Office

Cheyenne, WY



WYOMING WATER DEVELOPMENT PROGRAM - HISTORY

- ◆ PROGRAM CREATED IN 1975
- ◆ WATER DEVELOPMENT COMMISSION CREATED IN 1979
- ◆ WDA I NEW PROJECTS - CREATED IN 1989
- ◆ WDA II – REHABILITATION CREATED IN 1989
- ◆ WDA III – DAMS AND RESERVOIRS CREATED IN 2005
- ◆ PHILOSOPHY – TO UTILIZE A PORTION OF REVENUE DERIVED FROM NON-RENEWABLE RESOURCES AND INVEST THIS REVENUE IN RENEWABLE WATER DEVELOPMENT PROJECTS THAT WILL SERVE WYOMING CITIZENS INTO THE FUTURE

Wyoming Water Development Program Management

- ◆ Wyoming Water Development Commission (WWDC) – 10 Members
 - Two Members from each Water Division
 - One At Large Member
 - One Tribal Member
 - Appointed by the Governor
 - Four (4) year staggered terms
 - Part Split – No more than 75% from the same political party
- ◆ Legislative Select Water Committee (SWC)
 - Six Senators
 - Six Representatives
- ◆ Advisors
 - Wyoming State Engineer
 - Wyoming Attorney General's representative
 - Wyoming Business Council CEO
 - University of Wyoming

WYOMING WATER DEVELOPMENT PROGRAM - OPERATIONS

💧 Wyoming Water Development Office – 25 Employees

- Director Appointed by the Governor
- Administration
- Construction Division
- Dam and Reservoir Division
- Planning Division

💧 Project Sponsors

- Municipalities
- Irrigation Districts
- Special Districts



Program Responsibilities

- ◆ NEW WATER PROJECT DEVELOPMENT
- ◆ WATER PROJECT REHABILITATION
- ◆ DAMS AND RESERVOIR DEVELOPMENT
- ◆ WYOMING'S WATER PLANNING AGENCY
- ◆ MANAGEMENT OF WYOMING'S WATER INVESTMENTS
- ◆ GROUNDWATER EXPLORATION GRANT PROGRAM
- ◆ INSTREAM FLOW WATER RIGHTS
- ◆ SMALL WATER PROJECT PROGRAM
- ◆ CO RIVER BASIN STATES SALINITY CONTROL PROGRAM
- ◆ UPPER COLORADO RIVER BASIN FUND MOA
- ◆ EMERGENCY WATER PROJECTS
- ◆ UNIV. OF WYOMING WATER RESEARCH PROGRAM

PROGRAM FUNDING

WYOMING STATUTES PROVIDE A SEVERANCE TAX DISTRIBUTION ACCOUNT OF \$155M PER YEAR.

WATER DEVELOPMENT ACCOUNT NO. I (WDA-I)

- ◆ FUNDS AGENCY BUDGET, NEW DEVELOPMENT PROJECTS, PLANNING EFFORTS, GWEP, SWPP, OTHER (non-project)
- ◆ RECEIVES 12.45% OF SEVERANCE TAX DISTRIBUTION ACCOUNT (\$19,297,500)

WATER DEVELOPMENT ACCOUNT NO. II (WDA-II)

- ◆ FUNDS REHABILITATION PROJECTS, SWPP
- ◆ RECEIVES 2.1% OF SEVERANCE TAX DISTRIBUTION ACCOUNT (\$3,255,000)

WATER DEVELOPMENT ACCOUNT NO. III (WDA III)

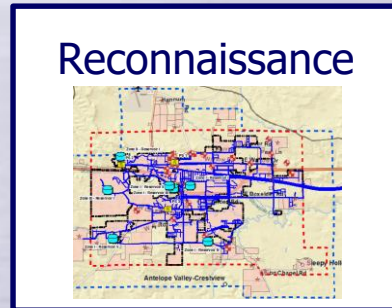
- ◆ FUNDS DAM AND RESERVOIR PROJECTS
- ◆ RECEIVES 0.5 % OF SEVERANCE TAX DISTRIBUTION ACCOUNT (\$775,000)

EMERGENCY WATER PROJECTS ACCOUNT

- ◆ IRRIGATION INFRASTRUCTURE
- ◆ ESTABLISHED WITH \$5M
- ◆ 75%G:25%L

Levels of Project Development

I



Master Plans

- System Inventory and Assessment
- Mapping/GIS
- Current Operations and Efficiency Analysis
- Identification of Water Rights
- Rehabilitation and Management Plan
- Reconnaissance Level Designs and Cost Estimates
- Economic Analysis and Project Financing

II



Site Specific

Examples:

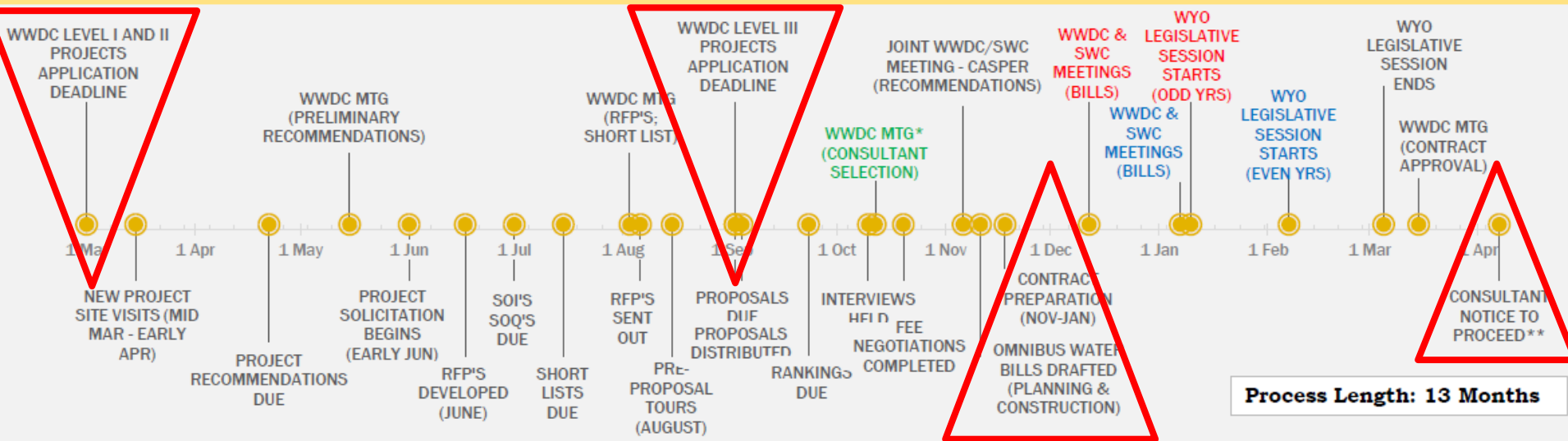
- Exploratory Well Drilling
- Water Storage Tanks
- Transmission Lines
- Diversion Structure Rehabilitation
- Canal Linings
- Pipeline Replacement
- Pump Station Rehab
- Dam Rehabilitation
- Regional Connection Studies

III



PROJECT FUNDING PROCESS

WWDC PLANNING PROJECT FUNDING APPROVAL AND CONSULTANT SELECTION SCHEDULE



TYPICAL PROJECT FINANCING

💧 Planning Studies – Level I and II

- WWDC Funds 100%
- Unbiased analyses

💧 Level III Design and Construction Projects

- Typically 67% Grant 33%
- Loans are offered at 4% interest for a term up to 50 years

💧 Storage Projects

- WWDC may fund 100% not to exceed the public benefit

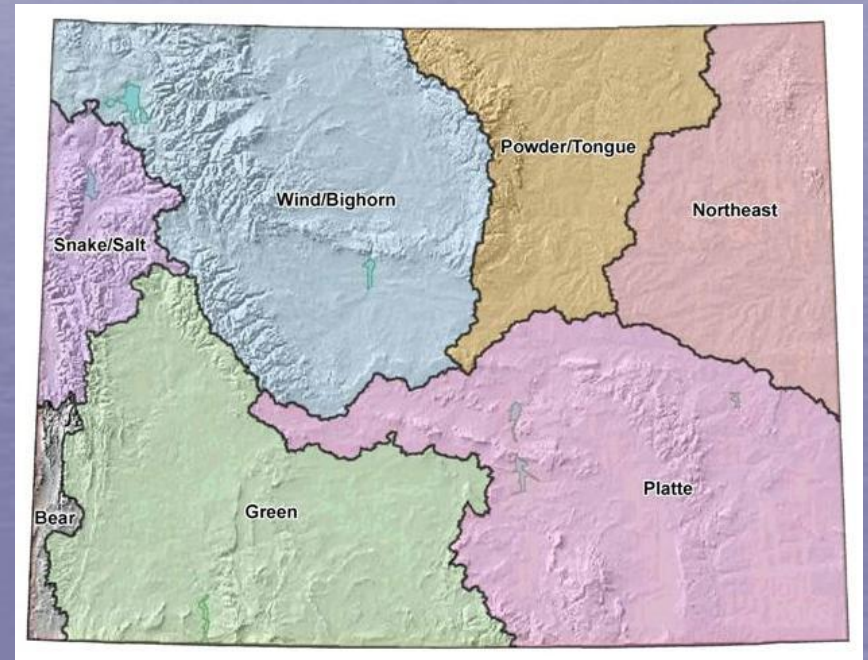
💧 Sponsor Participation

- Responsible for 33%
- Must provide the financial resources to operation and maintain the project

WYOMING'S WATER PLANNING AGENCY

RIVER BASIN PLANNING

- SURFACE WATER
- GROUNDWATER
- SEVEN (7) MAJOR DRAINAGE BASINS



WYOMING'S WATER PLANNING AGENCY

- 💧 WATERSHED STUDIES
- 💧 WATER MASTER PLANS FOR MUNICIPALITIES AND IRRIGATION DISTRICTS
- 💧 INSTREAM FLOW FEASIBILITY STUDIES
- 💧 WATER RELATED RESEARCH - UW OFFICE OF WATER PROGRAMS
- 💧 WATER RESOURCES DATA SYSTEM - UNIVERSITY OF WYOMING

WYOMING'S WATER INVESTMENTS

- 💧 BUFFALO BILL ENLARGEMENT - 190,000 ACRE FEET
- 💧 FONTENELLE RESERVOIR - 120,000 ACRE FEET
- 💧 HIGH SAVERY DAM AND RESERVOIR - 22,400 ACRE FEET
- 💧 PALISADES RESERVOIR - 33,000 ACRE FEET
- 💧 PATHFINDER MODIFICATION PROJECT - WYOMING ACCOUNT-20,000 ACRE FEET/YEAR
- 💧 GLENDON RESERVOIR - 10,600 ACRE FEET
- 💧 LAKE DeSMET AND HEALY RESERVOIR – 67,000 ACRE FEET
- 💧 MIDDLE PINEY RESERVOIR – 3,370 ACRE FEET
- 💧 WWDC HOLDS STATE OF WYOMING INSTREAM FLOW WATER RIGHT PERMITS

GROUNDWATER EXPLORATION GRANT PROJECT

- 💧 SPONSORS - MUNICIPALITIES AND SPECIAL DISTRICTS
- 💧 PURPOSE - EXPLORATION FOR AND FEASIBILITY STUDIES OF THE USE OF UNDERGROUND WATER
- 💧 MAXIMUM FINANCIAL PARTICIPATION OF PROGRAM IS \$400,000 PER PROJECT
- 💧 SPONSORS MUST PROVIDE 25% OF PROJECT COSTS

SMALL WATER PROJECT PROGRAM

- To provide grant funding for Small Water Development Projects that improve watershed condition and function and provide benefits for...
 - Livestock
 - Wildlife
 - Irrigation
 - Environmental
 - Recreational
- Funding – 50% grants up to \$35,000 are available for eligible projects that provide adequate public benefit, improve watershed health, and meet the program definitions as outlined in the criteria.

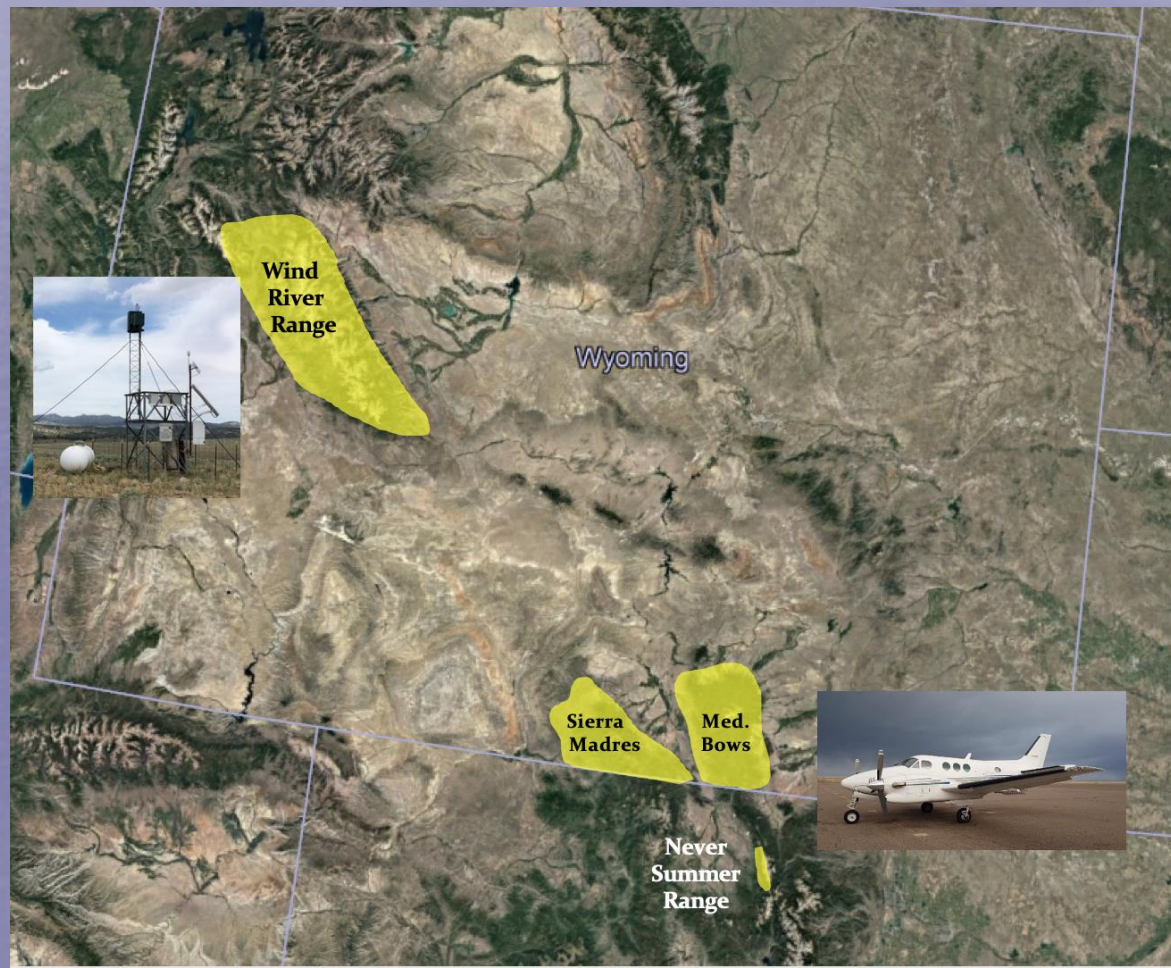
WEATHER MODIFICATION PROGRAM

Two Programs

- Ground based
- Aerial

Funding

- Ground based
 - WY – 37%
 - Funding partners – 63%
- Aerial
 - State Program
 - Funding Partner – BOPU
 - Never Summer Range



CURRENT PROJECT APPROPRIATIONS

WATER DEVELOPMENT ACCOUNT NO. I (WDA-I)

- ◆ 30 Planning Projects - \$12,717,454
- ◆ 49 Construction Projects - \$98,203,130
- ◆ Total 79 Projects - \$110,920,584

WATER DEVELOPMENT ACCOUNT NO. II (WDA-II)

- ◆ 5 Planning Projects - \$5,927,000
- ◆ 39 Construction Projects - \$53,467,896
- ◆ Total 44 Projects - \$59,394,896

WATER DEVELOPMENT ACCOUNT NO. III (WDA III)

- ◆ 12 Projects - \$21,453,026
- ◆ 6 Construction - \$137,954,000
- ◆ Total 18 Projects - \$159,407,026

Direct Appropriations

- ◆ Gillette Madison Pipeline (Regional System) \$190,120,000

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\$520M Appropriated
142 Projects

ANTICIPATED CHALLENGES

- 🔹 AGING INFRASTRUCTURE
- 🔹 CONSTRUCTION COSTS
- 🔹 DROUGHT
- 🔹 REDUCED REVENUES/BUDGET REDUCTIONS



Questions ?



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<http://wwdc.state.wy.us/>