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 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  Reconnaissance

- 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  Feasibility

- 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  Construction
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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142 Projects Appropriated
$520M Appropriated
ANTICIPATED CHALLENGES

- Aging Infrastructure
- Construction Costs
- Drought
- Reduced Revenues/Budget Reductions
Questions?

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