REGIONALIZATION & CONSOLIDATION OF WATER SYSTEMS

SDARWS ATC — JANUARY 9, 2024

CORY CHORNE, PROGRAM MANAGER







REGIONALIZATION vs. CONSOLIDATION

CONTRACT WATER WHOLESALE SERVICES



CONTRACT MANAGEMENT/ OPERATIONAL SERVICES



AREA REGIONALIZATION/CONSOLIDATION PROJECTS

South Dakota	Regional
Lewis & Clark Regional Water System	Rocky Boy's/North Central Montana RWS
Mni Wiconi (OSRWSS Core System)	Western Area Water Supply Authority
WINS	Northwest Area Water Supply
Dakota Main Stem	Southwest Water Pipeline Project
Western Dakota Regional Water System	Red River Valley Water Supply Project
Box Elder/Rapid City – Box Elder/RVSD	Three Affiliated Tribes/Parshall – TAT/MCWRD
Communities/Rural Water System Bulk Supply Agreements	



WHY REGIONALIZATION/CONSOLIDATION?

WATER QUANTITY ISSUES POOR WATER QUALITY HIGH COST OF SERVICE STAFFING ISSUES REGULATORY HURDLES ABUNDANT WATER SUPPLY
HIGH WATER QUALITY
LOWER COST OF SERVICE
STAFFING EFFICIENCY
REGULATORY COMPLIANCE

WATER INSECURITY



WATER SECURITY





WHY REGIONALIZATION/CONSOLIDATION?

Regionalization Reduces Fixed O&M

- Administrative Costs
- Managerial Costs
- Operating Costs





RESISTANCE TO REGIONALIZATION/CONSOLIDATION?

Arguments Against Regionalization

- Loss of Control of Water Supply
- Loss of Jobs
- We Hate Those SOB's (Robbed in the 1982 Regional Basketball Championship)
- Cost of Service Will Go Up





KEYS TO REGIONALIZATION/CONSOLIDATION?

Prove It!!!

- Life Cycle Cost Analysis (Long-Term)
- Equitable Rate Analysis
- Financial Benefits(Long-Term)
- Financials, Financials, Financials!!!













GOVERNANCE "KEEPING THE SHIP ON COURSE IS THE HARD PART"







GOVERNANCE STRUCTURE



Senate Structure (Equal Votes)



House Structure (Weighted Votes)



Combination Structure (Limited Max Weighted Votes)









4 FUNDAMENTAL QUESTIONS









HOW MUCH WATER?



VERIFICATION OF WATER AVAILABILITY



CONSERVATION WATER SOURCE OPTIONS



HOW MUCH WILL IT COST?

SOUTH DAKOTA

• DEBT SERVICE?

- OPERATION & MAINTENANCE COSTS?
- MINIMUM TAKE REQUIREMENTS?



TYPICAL MONTHLY WATER BILL (\$)









Finding the Balance with Local Affordability



FINANCIAL STRUCTURE

RES



Robust Financial Model

Cost Allocation

Sustainable Rate-Setting



ANATOMY SUMMARY

TODAY

- **GOVERNANCE STRUCTURE**
- **USER COALITION**
- CONCEPT DEVELOPMENT
- FUNDING DEVELOPMENT

NEAR TERM

- FEASIBILITY AUTHORIZATION
- **USER COALITION**
- CONCEPT REFINEMENT
- CONCEPTUAL FINANCIAL PLAN
- NEPA COMPLIANCE
- FUNDING DEVELOPMENT

- **PROJECT AUTHORIZATION**

GOVERNANCE







- **APPROPRIATIONS**
- **USER AGREEMENTS**
- **PERMITS & FASEMENTS**
- NEPA COMPLIANCE
- **FINAL DESIGN**
- CONSTRUCTION
- **OPERATION**



QUESTIONS What will the point of delivery be for water What planning horizon or What level of service will the service? Will stakeholders be required to horizons will the regional regional system provide? build infrastructure to connect to the system initially use for regional system or will water be delivered technical evaluations? to their "front door"? Raw or treated water? How much water will stakeholders be If raw water is provided, will What are the stakeholders' Are we going to required to use as a small regional treatment needs? How much water build from 'east to minimum each year? facilities be considered for do they need and when will west' or 'west to existing systems using they need it? east'? groundwater?



