



NORTH
Dakota | Water Resources
Be Legendary.

ICWP-NWSA-WSWC

Washington, DC Roundtable

Andrea Travnicek, Ph.D. - Director, Department of Water Resources





PRESENTATION OVERVIEW

Agency Vision & Mission

DWR Functions & Responsibilities

Managing ND's Water Resources

Available Funding & Funding Opportunities

Strategic Governance & Finance Study

Continued Success

DWR MISSION & VISION



MISSION

To improve the quality of life and strengthen the economy of North Dakota by managing the water resources of the state for the benefit of its people.



VISION

- Present and future generations of North Dakotans will enjoy an adequate supply of good quality water for people, agriculture, industry, and fish and wildlife.
- Missouri River water will be put to beneficial use through its distribution across the state to meet ever increasing water supply and quality needs.
- Successful management and development of North Dakota's water resources will ensure health, safety, prosperity, and balance the needs of generations to come.

DWR FUNCTIONS & RESPONSIBILITIES

Allocation Of The State's Waters

Cost-Share Funding

Dam Safety

Drainage & Construction Permits

Drone Initiatives

Drought Livestock Program

Floodplain Management

Investigations & Surveys

LiDAR Collections

Map Services, NDRAM, PRESENS, Radar

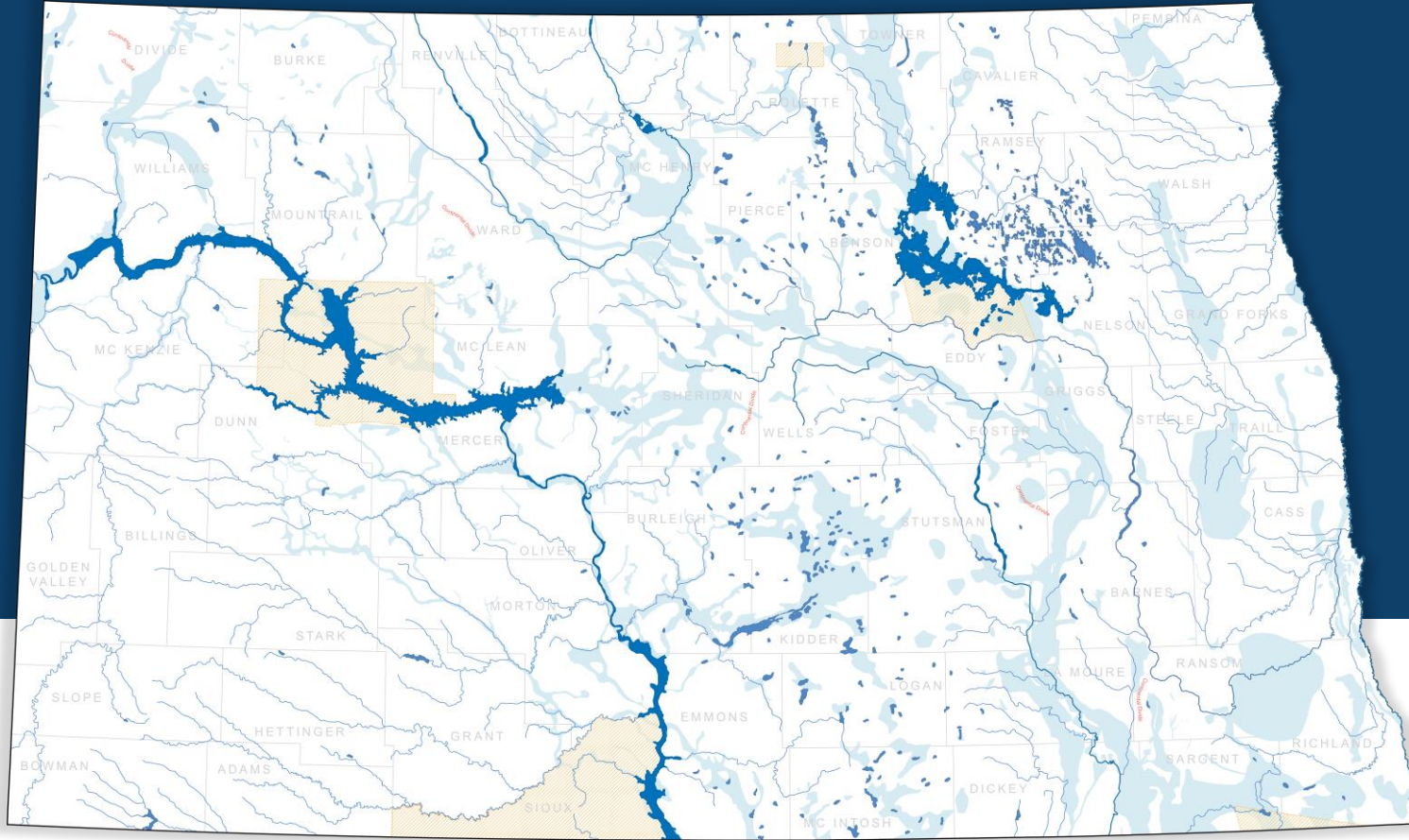
North Dakota Cloud Modification Project

Probable Maximum Precipitation Study

Sovereign Land Management

Water Project Funding & Development

MANAGING NORTH DAKOTA'S WATER RESOURCES



60 Million Acre Feet Of Water Is Stored In Major Aquifers In ND

Over 5,100 River Miles Are In The State, Including Major Rivers & Tributaries

Seven Of NDs Largest Lakes & Reservoirs Comprise **863,000** Acres

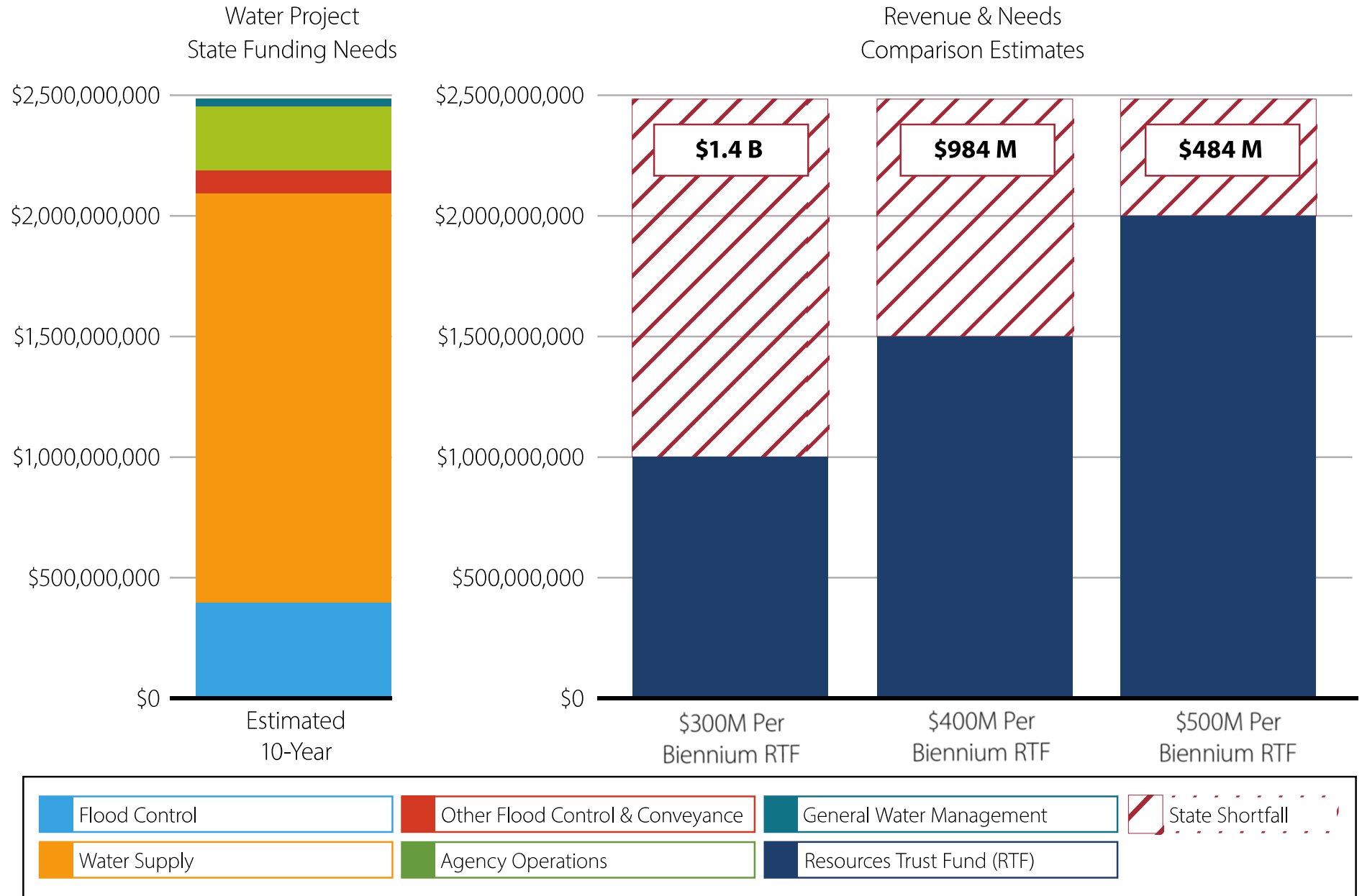


- Designated By Legislature & Utilizes **20.5%** Of The State's Oil Extraction Tax
- Projected 2021-2023 RTF Revenue **\$321M**
- **\$402M** For New Projects From All Sources
- As Of The March Payment, We Are Tracking **\$23.3M** or **43.5%** Over Projections
- Ten Year Water Project Funding Needs - **\$2.5B**

RESOURCES TRUST FUND (RTF)

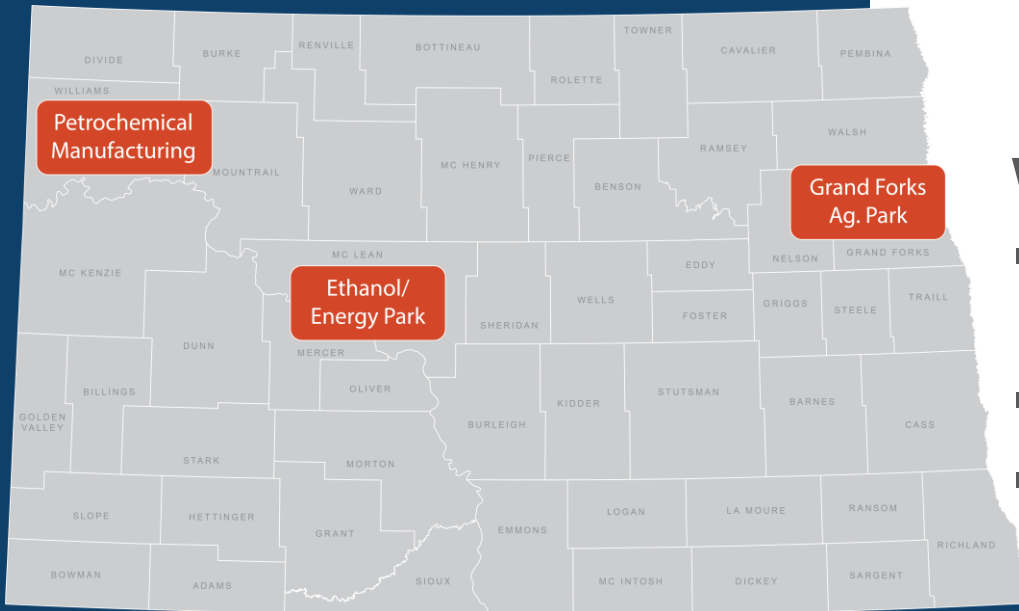
PRIMARY REVENUE FOR WATER DEVELOPMENT PROJECTS IN ND

10-YEAR WATER PROJECT FUNDING NEEDS & REVENUE COMPARISONS



ARPA

ECONOMIC DEVELOPMENT OPPORTUNITIES



Department Of Commerce

- Renewed Approach To Economic Development - Working On \$25B In Projects Statewide
- FY2021 ARPA Statewide Planning, Research, & Networks Notice Of Funding Opportunity (NOFO)

SB 2345 Signed During Special Session

- Provides ARPA Funding Of \$75M For Critical Water Infrastructure

Water Projects Stabilization Fund

- Provides \$1M For Defraying Planning & Construction Expenses
- First Quarter Transfer Was \$10,288,371 On January 14, 2022
- Continued Work With OMB On Eligibility & Use Of Funds

Water Infrastructure Will Be A Key Factor

INFRASTRUCTURE INVESTMENT AND JOBS ACT (IIJA)

DWR Looking Closely at 14 IIJA Funding Opportunities

Clean Energy & Power

Flood & Drought Resilience

Water Supply

Data Collection & Management

IIJA Funding for North Dakota

MR&I Program: ~\$63M
(Department of Interior)

FM Flood Protection: \$437M (USACE)

Mouse River Flood Protection: \$61.5M
(USACE)

Dam Safety: \$95,000 (FEMA)

North Dakota Is Taking A Whole-Of-Government Approach

CLEAN WATER & DRINKING WATER STATE REVOLVING LOAN FUNDS



- **Funding Source: Environmental Protection Agency**
 - **Clean Water State Revolving Loan Fund:**
 - 2019: \$7,779,000
 - 2020: \$7,780,000
 - 2021: \$7,779,000
 - 2022 Estimate: \$7,800,000
 - **Drinking Water State Revolving Loan Fund**
 - 2019: \$11,004,000
 - 2020: \$11,011,000
 - 2021: \$11,001,000
 - 2022 Estimate: \$11,000,000

DWR COST-SHARE PROGRAM

40% Recreation

45% Rural Flood Control

50% Irrigation

50% Snagging & Clearing

50% Bank Stabilizations

60% FEMA Levee Accreditation

60% Flood Control

60% Municipal Water Supply

60% Dam Repairs, Removals, & Retention

75% Flood Recovery Acquisitions

75% Rural Water & Regionalizations

75% Low Head Dam Roller Mitigation

80% Emergency Dam Action Plans

DWR Transitioned To WebGrants One-Stop Portal

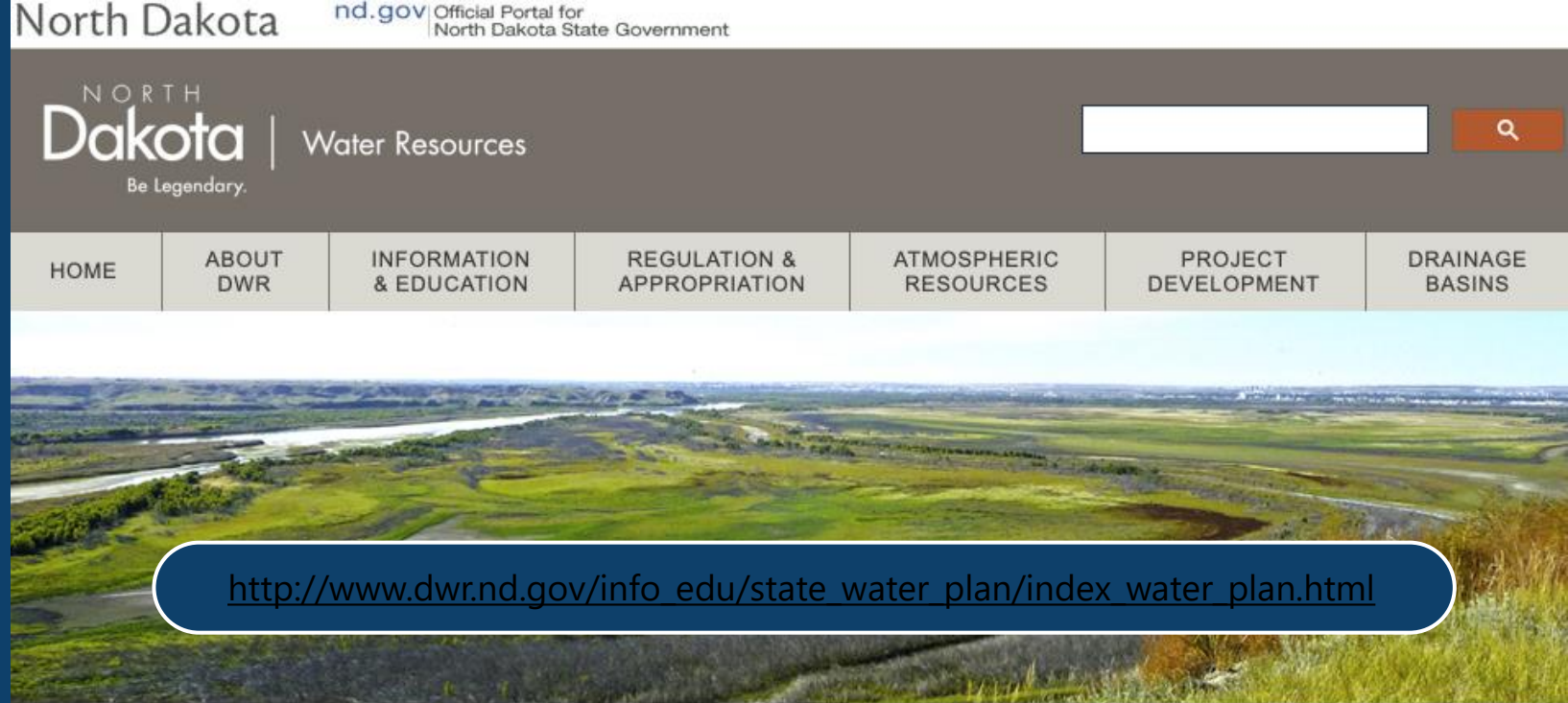
BONDING FOR WATER PROJECTS – HB 1431



This Major Water Infrastructure Bonding Authority Bill Was Signed By Governor Burgum In Late April 2021 & Includes The Following:

- Provides \$50M To The Infrastructure Revolving Loan Fund
- Lake Agassiz Water Authority Specified As An Eligible Political Sub For This Per HB 1425
- Creates The Water Infrastructure Revolving Loan Fund (WIRLF), \$101M
- Mouse River Flood Control - \$74.5M (From \$74.5M Western Area Water Supply (WAWS) Loan Repayment) - Fargo Flood Control - \$435.5M
- Many Water Projects Will Benefit From Reduced Competition For SWC/DWR Financial Backing Through The Resources Trust Fund When Major Projects Are Funded Through Bonding

WATER DEVELOPMENT PLAN DASHBOARD



http://www.dwr.nd.gov/info_edu/state_water_plan/index_water_plan.html

2021 WATER DEV. DASHBOARD

Cost-Share Needs (2021-2023)

Needs By Purpose (2021-2023)

Purpose Funding (2021-2023)

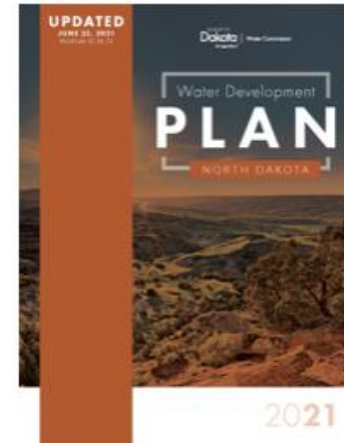
Project Updates

10-Year Funding Needs

Resources Trust Fund History

Past State Water Plans

2021 WATER DEVELOPMENT DASHBOARD



Click the image above to view the full version of the 2021 Water Development Plan.

UPDATED Some content was updated on June 25, 2021.

The Water Development Dashboard is an interactive platform intended to follow North Dakota's evolving water development efforts. It serves as a living version of the agency's biennial water development plan. The dashboard will be updated regularly to reflect the most recent changes related to water development. For more information, please contact Jared Huibregtse at (701) 328.4967 or [email](#).

STRATEGIC GOVERNANCE & FINANCE STUDY



- Analyze Past & Current Financing & Governance Structures Of State's Four Largest Regional Water Supply Systems
 - NAWS, SWPP, RRVWSP, WAWS
- Includes Recommendations To Future Operation, Governance, & Financing Options
- Next Steps Include: Review WAWS & SWPP & Review Legislative Options



Successful Innovation



Prioritization



Collaborative Partnerships



Long-Term Resiliency



Smart, Efficient
Infrastructure



Customer Service
& Responsiveness

CONTINUED SUCCESS

EMPOWER PEOPLE
INSPIRE SUCCESS
GRATITUDE
COMMUNITY
IMPROVE LIVES



THANK YOU



THANK YOU



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