

Lower Basin Water Treatment Plant Information Meeting Fall 2017



Purpose of Meeting

Facilitate Understanding Eagle's Need for a Second Water Plant

- Water Plant Proposal
- Stakeholder Comments and Concerns

Introductions Eagle Team

Kathleen Wanatowicz, PR Studio

Chris Lehrman, PE, SGM Project Manager

Tom Boni, Acting Town Manager

Morgan Landers, Community Development Director

Frederick E. Tobias, PE, Town Engineer

Dusty Walls, Public Works Advisor

Jenny Rakow, Town Clerk

Introductions Key Stakeholders

Pursuing a Vision for the Future

▶ **The Town's Strategic Plan**

- Basis for Ongoing Collaboration About Eagle's Future

▶ **Strategic Plan Components**

- Clarifies the Town's Mission and Values
- Proposes Major Objectives for the Next 5 Years

▶ **Strategic Plan Objectives – Areas of Focus**

- Town Vision, Economic Development, and Housing
- Maintaining Eagle's Small Town Feel and Authenticity
- Planning, Transportation, and Infrastructure
- Build Lower Basin Water Treatment Plant, Enhance Water Management
- River Park, Open Spaces, Recreation, and Special Events
- Public Safety, Community Building, and Outreach
- Town Performance and Customer Service

Eagle's Mission and Values

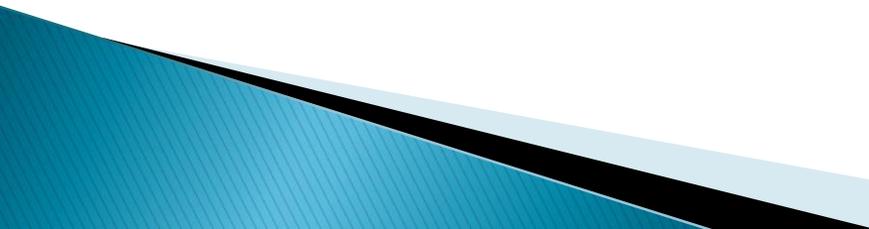
▶ **Town Mission**

- Maintain and Enhance Quality of Life for Everyone in Community

▶ **Town's Guiding Principles/Values**

- Sound Planning and Appropriate Investment
- Reliable and Cost Effective Services
- Sound Finances and Increasing Efficiency
- Economic Development
- Public Health, Safety, and the Environment
- Transparency and Community Engagement

▶ **Water System Standards**

- Provide Reliable Water Supply and Water Service
 - Safe, High Quality Water
 - Cost Effective and Efficient Operations
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Eagle is Maturing

▶ Considerations

- Property Values, Business Expansion, Population

▶ Must Proactively Manage Eagle's Vision for It's Future

- Quality of Life – Jobs, Housing, Transportation, Amenities, Events...

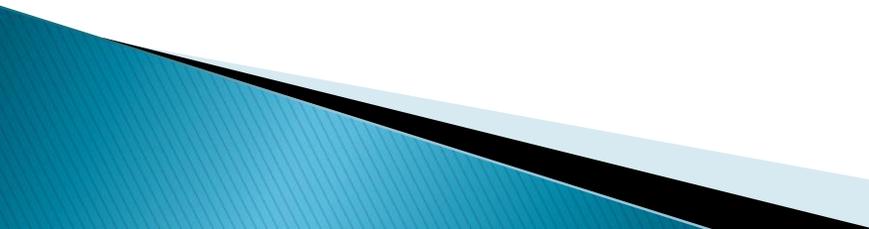
▶ Maintaining and Strengthening Eagle's Brand

- A Place to Live, Work, and Raise a Family
- A Destination for Outdoor Activities and Special Events
- Preferred Stop for Fuel, Food, and Fun

▶ Reliable Services, Infrastructure

- Key Factor in Attracting Businesses, Investment
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Water System Basics

- ▶ Town Receives 100% of Its Water from Upper Brush Creek
 - ▶ A Single Water Treatment Plant –4.3 MGD
 - ▶ Peak Demand for Water Occurs in Summer Months
 - Due to Outdoor Irrigation
 - In 2017 Plant was Running at 80% Capacity (*approximately*)
 - ▶ **Current Level of Water–Use Efficiency**
 - Distribution System Improvements Made to Prevent Leaks
 - System Leakage Within Industry Standards
 - Water Conservation Analysis, Planning Steps 1&2 Accomplished; Conservation Plan Identified in 2018 Budget
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Brush Creek and Water Plant



The Challenge/Opportunity

- ▶ **Water Supply is Limited by...**
 - Capacity of Water Treatment Plant – Upper Brush Creek Water Rights
 - ▶ **No Water Supply or Treatment Plant Redundancy**
 - Water Supply Vulnerable to Drought and Severe/Extreme Weather Occurrences
 - Brush Creek Could be Contaminated by Sedimentation Resulting from Wildfire or Landslides
 - ▶ **Summer Demand Approaching Plant Capacity**
 - Plant Operating 16–18 Hours Per Day During Summer
 - ▶ **Proactively Pursue Smart Growth**
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Proposed Lower Basin Plant

- ▶ **Existing Water Plant Constructed in 1985**
- ▶ **Proposed Plant In Consideration Since 2007**
 - Initial Plant Design Completed in 2012
 - Enacted Pre Payment of Tap Fees in 2011
- ▶ **Time is Right**
 - Economic Recovery and Water Demand
 - Need for Water–Service Redundancy
 - Support Vision for Eagle’s Future
- ▶ **Phase 1 Plant Capacity – 2.5 MGD**
 - Can Be Expanded to 5 MGD
 - Serves Eagle for the Next 20 Years
- ▶ **Location**
 - Confluence of Brush Creek, Eagle River, Upstream of Wastewater Plant

New Plant = Reliability, Capacity

- ▶ **Creates Redundancy in Water Supply and Service**
 - Forest Fire, Landslide, or Mining Accident Impacting Brush Creek
 - ▶ **Provides Access to New Water Rights**
 - On Brush Creek and the Eagle River
 - ▶ **Ability to Draw Water from Eagle River**
 - Quick (1-Day) Access in Emergencies
 - ▶ **Creates Environmental Benefits**
 - Increased Flows in Upper Brush Creek
 - ▶ **Provides Capacity for the Future**
 - Allows Town to Pursue Smart Economic Development, Growth
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Costs, Financing, Timing

- ▶ **Construction Costs – Approx. \$23 Million**
 - CMAR
- ▶ **Project Financing**
 - State Revolving Fund (SRF) Loan, Low Interest Loan Administered by the State of Colorado
 - \$8.7 Million Saved and Available for Down Payment
 - 20-Year Repayment Term
- ▶ **Monthly Surcharge**
 - Surcharge Amount Finalized in Late 2017
- ▶ **Project Timing**
 - Trustee Decision on Funding and Surcharge – January 2018
 - Rate Studies, Surcharge Review and Tap Fees
 - Start Construction – Spring 2018
 - Phase 1 Completion – 2020

“Costs” of Delay

- ▶ **Implement More Severe Water Restrictions**
 - Will Impact the Look and Feel of Eagle in Summer
 - Hinders Summertime Focus Related to Eagle’s Brand
 - ▶ **Restrict Growth**
 - Restricted Growth Limits Quality of Life Options
 - Smart Growth Necessary for Community to Evolve
 - Economy, Housing, Demographics, Amenities, Events...
 - ▶ **New Plant Is Needed Now**
 - Construction Costs Projected to Escalate
 - Exposes Community to Risk of Water Reliability
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Questions, Discussion

