Water Division Mission

- Responsible for delivering safe, clean drinking water to our customers 24/7/365, that meets all federal, state and local regulations
- Responsible for the operation and maintenance of the water system from the “snowflake to the tap”
The Water Division is comprised of 45 employees across 4 groups:
- Water Administration – 2 employees
- Utility Billing – 12 employees
- Water Production – 14 employees
- Utility Maintenance – 17 employees
Water Administration – Responsible for:

- Ensuring the Water Enterprise runs day-to-day
- Paying the bills
- Timekeeping
- Budgeting
- Policies and procedures
- Training
Utility Billing – Responsible for:
- Monthly billing of over 23,000 utility accounts
- Bill for Water, Sewer and Garbage Services
- Metering of all water accounts/Meter changeouts
- Perform shut-offs for non-payment
- Collections
Water Production – Responsible for the operation and maintenance of:
- 2 Dams
- 2 Water Treatment Plants
- 12 Booster Stations
- 19 Storage Reservoirs
- 9 Wells
- 11 Pressure Zones
- Water Sampling
- 3.96 Billion gallons produced in 2016
  - 16,513,200 tons of water
  - It would take 3,960 Skyline Reservoirs to hold all this water
Water Production – DAMS

- Pactola and Deerfield Dams
- Owned by the US Bureau of Reclamation
- Operated and Maintained by CORC Water Production
  - O&M
  - Water Accounting
  - Security
  - Water Releases
Water Production – Treatment Plants
WARNING: The following four slides are a one-hour treatment plant tour condensed into 4 minutes.
Water Production – Conventional Water Treatment: 1st Step – Coagulation
Water Production – Conventional Water Treatment: (2) Flocculation (3) Sedimentation
Water Production – Conventional Water Treatment:  (4) Filtration (5) Disinfection

Death Rate for Typhoid Fever
United States, 1900-1960

Treatment/Disinfection of drinking water was named one of the top 5 engineering feats of the 20th century:

- #1 – Electrification of the world
- #2 – The Automobile
- #3 – The Airplane
- #4 – Treatment/Disinfection of drinking water
- #5 – Electronics
Water Division

- Utility Maintenance – Responsible for the operation and maintenance of the water distribution system:
  - 511 Miles of Distribution Pipe
    - Roughly the distance from Rapid City, SD to Pueblo, Colorado
    - 4,386 Fire Hydrants
    - Over 12,000 Valves
  - Over 10,000 Water and Sewer Locates/year
  - Fixing main breaks, leaks, etc. in the system, as well as providing tapping services
  - Repairing and replacing cathodic protection in the water system
Utility Maintenance – Main Breaks
Utility Maintenance - Leaks
Thank You for your time!