



Buffalo Run Golf Course Irrigation Replacement 2022

**City Council Business Meeting
December 6, 2021**

Buffalo Run Irrigation Replacement

Presentation Purpose:

- Overview of irrigation project
- Overview of bids submitted
- Overview of project funding
- Questions



Buffalo Run Construction 1995

- 18-hole championship course
- Irrigation critical to construction of golf course
- Approximately 100 acres of turf irrigated and maintained
- Current irrigation system is 26 years old



Buffalo Run Irrigation Failures

- Failures in the irrigation system create ongoing maintenance problems
- Turf grass conditions deteriorate over time when irrigation system fails
- Customer satisfaction declines when turf conditions are sub-par



Buffalo Run Irrigation Repairs

- Staff members spend more time repairing and replacing components as the system reaches the end of its expected lifespan
- Replacement of the systems was identified as a priority in the 2014 Strategic Master Plan



Buffalo Run New Irrigation Benefits

- Reduction in overall water usage for the golf course
- Improved conditions for customers
- Less time replacing/repairing broken sprinkler heads
- Completes one of the goals identified in the Strategic Master Plan



Buffalo Run Irrigation Replacement

Components to be replaced:

- Electrical control boxes - relays the signal from the computer to engage zones
- Irrigation heads – new heads would have variable control from 360 degrees to 1 degree (and anything between)
- Computer system – allows for complete control of watering cycles, times, etc.
- Pipes – all mainline pipes and laterals will be replaced
- Pump station – main building and pumps that bring water from the lake to pipes



Buffalo Run Irrigation Replacement

Project bids:

- COLORADO DESIGNSCAPES \$7,060,000
- AMERICAN CIVIL CONTRACTORS \$5,084,123
- **HERITAGE LINKS \$4,860,564**

Project funding sources:

- Commerce City CIPP 2022 \$3,500,000
- Adams County Open Space Grant \$1,500,000
(Board approval/recommendation 11-17-21)



Buffalo Run Golf Course

Questions

