Brighton COLORADO

Cell 3 Power Service

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Strategic Focus Area

Supportive and Sustainable Infrastructure

Introduction

- Project Background
- Project Details
- Bid Process and Results
- Final Recommendation

Project Background

- Projects in the Ken Mitchell Storage Complex since 2015 have included pump stations at Cell 1 and Erger's Pond, as well as spillways and embankment protection
- In several years, this same project approach will be taken with Cell 3 in order to complete it as another valuable water storage asset for the City

Ken Mitchell Storage Complex

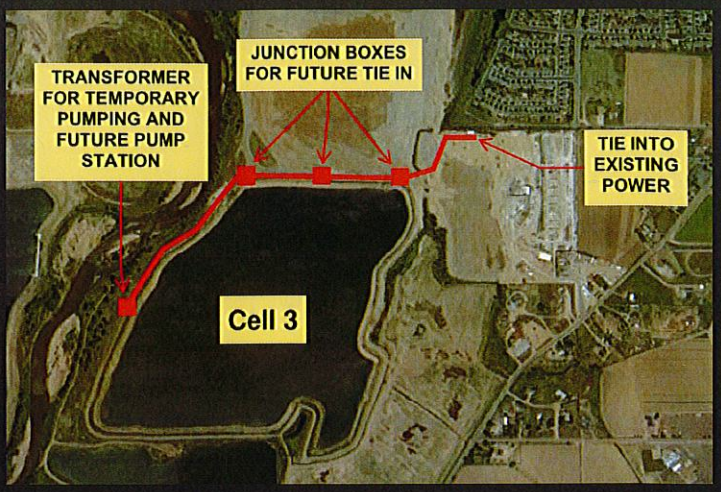
- Erger's Pond
  - Pump station under construction
  - Spillways and embankment protection under construction
- Cell 1
  - Pump station completed 2005/reconstructed 2015
  - Spillways and embankment protection completed 2017
- Cell 3
  - Pump station, spillways, and embankment protection set for design and construction beginning 2023

Project Background

- Current agreement allows FRICO to use Cell 3 for storage, where pumping in and out of Cell 3 will be necessary until 2022
- Pumping will require power
- Without electric power, diesel fuel pumps would need to be utilized and stored in the floodplain
- More efficient and safe to use electric power rather than diesel fuel to operate pumps
- Permanent power will be required for the City's completion of Cell 3 so a cost savings will be seen by completing this portion of that work now

Project Details

- Scope of Work
  - Installation of electric power service to the west side of Cell 3
  - Installation of junction boxes for future power services at Cell 2



Bid Process and Results

- Under the existing franchise agreement, provision of power services within City of Brighton limits must be performed by United Power
- United Power provided the City a design and a construction cost estimate of $160,205.53

Final Recommendation

Staff believes that accepting the estimate from United Power for the Cell 3 Power Service project would accomplish the following:

- Provide a long term, efficient energy source to utilize for the transfer of water to and from Cell 3
- Provide an environmentally friendly and safe alternative to using and storing diesel fuel in the floodplain
- Provide the opportunity for future power service tie-ins as the Ken Mitchell Park Master Plan unfolds

Questions?