

CROCKETT AVENUE

PRESSURIZED IRRIGATION PROJECT

History

Crockett Avenue Irrigation and Distribution, Inc. (Crockett) was one of the original companies formed to capture and distribute water in Cache Valley. Crockett consists of 10 canal companies that own water rights in the Logan River. Traditionally, the water was delivered to agricultural users but as growth has occurred many of the agricultural areas have developed and the water is no longer being used to irrigate the developed land.

Water Challenges

Crockett and the three cities (Logan, North Logan, and Hyde Park) impacted by Crockett's operations are facing immediate water-related challenges. Decisions made today about local water management impact the future success and growth potential of Cache Valley.

- ▶ Limited Water Resources
- ▶ Potential Loss of Water Rights
- ▶ Adequate Culinary (Drinking) Supply & Infrastructure Funding
- ▶ Aging Infrastructure

After identifying the water-related challenges and recognizing the need to begin addressing them now, Crockett moved forward with finding a solution. In 2016, Crockett hired a team of consultant engineers to perform a feasibility analysis of three alternatives and evaluate which alternative would adequately address the identified challenges, provide the greatest long-term benefits to all stakeholders, and be financially viable.

1. Do Nothing
2. Pressurize the Existing Crockett Distribution System
3. Construct a Complete Pressurized Irrigation (PI) System

After more than two years of coordination with stakeholders including Crockett, Logan, North Logan, Hyde Park, and the Cache Water District, the Crockett Pressurized Irrigation Master Plan (Master Plan) was completed in Spring of 2019.

The Master Plan recommended constructing a complete PI system throughout the Crockett service area to deliver secondary water to each property within the Crockett boundaries for residential, commercial, or agricultural outdoor use. This would address the identified water-related challenges, provide significant benefits, and be financially viable.

**CROCKETT
AVENUE IRRIGATION &
DISTRIBUTION, INC.**

4043 North 2400 West
Benson, UT 84335

LOGAN
CITY UNITED IN SERVICE

255 N Main Street
Logan, UT 84321

• NORTH LOGAN •
EST 1884

2076 North 1200 East
North Logan, UT 84341

HYDE PARK CITY
ESTABLISHED IN 1860

113 East Center
P.O. Box 489
Hyde Park, UT 84318

**CACHE
WATER
DISTRICT**

199 North Main St.
Logan, UT 84321

Benefits of Constructing a Complete Pressure Irrigation System

- ✓ Conserves water through more efficient delivery system
- ✓ Adds stormwater capacity
- ✓ Reduces sewer flows that need to be treated caused by canal seepage
- ✓ Reduces pumping from culinary water wells
- ✓ Reduces future culinary (drinking) water infrastructure needs
- ✓ May allow space for trails to be constructed along canal rights of way
- ✓ Increases protection of water rights by putting all irrigation water to beneficial use
- ✓ Enclosed irrigation systems are safer than open-canal systems
- ✓ Increased availability of grants for secondary water systems
- ✓ Increases flexibility with irrigation times and methods
- ✓ Increases reliability of water service to users
- ✓ Land with access to pressurized irrigation increases property value
- ✓ Removes the need to replace the Crockett diversion structure
- ✓ Improved reliability to Utah Water Research Lab

Financial Analysis

Design and construction costs were estimated to be around \$87 million in today's dollars (2019) and are projected to be \$101 million in five years when construction could begin, if the proposed project were to be constructed. Economic benefits were calculated to be between \$107 million and \$216 million in today's dollars. This results in a benefit-to-cost ratio range of 1.22 to 2.46. Based on the analysis completed in the Master Plan the proposed project is feasible over the long term.

Website

More detailed information, file downloads, and frequently asked questions can be found on the project website at <https://lawfirmsites.com/d/crockettave/design2/>.



Next Steps

Crockett is currently working to identify funding through a combination of grants and cost-share agreements to begin planning and preparing an environmental document to further study the project and more fully understand the impacts of building a complete PI system.



918 North 1380 East
Tooele, UT 84074

