

LOGAN & NORTHERN CANAL PIPING & PRESSURIZATION PROJECT (LNCPPP) FACT SHEET

APRIL 2015

INTRODUCTION

In an effort to better serve its users in the North Logan and Hyde Park areas, the Cache Highline Water Association (CHWA) has proposed the Logan and Northern Canal Piping and Pressurization Project (LNCPPP). The project would pipe and pressurize irrigation water in the Logan and Northern Canal from 1500 North in North Logan to 4400 North, just north of Hyde Park. CHWA staff are working with J-U-B Engineers, Inc., a local engineering firm in Logan, to evaluate project feasibility, develop preliminary environmental assessments, surveying and design and conduct outreach with local municipalities and shareholders and property owners along the canal.



PROJECT FEATURES

The proposed project is patterned after the recent Cache Water Restoration Project (CWRP), completed in spring 2013 by Cache County and CHWA, which enclosed and pressurized about six miles of open canal and restored water to the users of the Logan and Northern Canal. The CWRP has now successfully distributed water for two irrigation seasons with few water restrictions seen by users despite low levels in the Logan River. Preliminary LNCPPP design includes 12"-34" continuously-fused, High Density Polyethylene Pipe (HDPE) which would be buried in the canal's west bank. Irrigation water would be pressurized to approximately 60 pounds per square inch in the pipeline, providing pressurized irrigation to all turnouts within project limits. Following pipeline installation, the existing open canal channel would continue to be used for storm water conveyance and the drainage of excess water.

PROJECT BENEFITS

- Reduced seepage and evaporation losses, resulting in higher flow rates through the proposed pressurized system and more water available to shareholders throughout the irrigation season.
- Water conserved would be enough to provide indoor water for the combined populations of North Logan and Hyde Park for an entire year (500 million gallons = 1,500 acre feet).
- Increased flows in the Logan River could generate 314,500 KW hours of power, improve irrigation for agricultural crops, or a combination of both.
- Pressurized water would be available to all shareholders, allowing users to turn off pumps, save power and eliminate maintenance and pump replacement costs.
- Energy savings could be reduced by 125,500 KWh of power annually by taking almost 170 irrigation booster pumps offline after project implementation.
- CHWA is developing cooperative agreements with local municipalities to share maintenance costs of the existing open canal channel (to be repurposed as a storm water channel), and the savings would be passed along to shareholders.

PROJECT SCHEDULE/FUNDING

LNCPPP construction could begin by fall 2015, with completion by spring 2016 prior to the beginning of irrigation season. The CHWA has received a \$1 million Water Smart grant from the Bureau of Reclamation (BOR) to help fund the project. Shareholders would be responsible for the additional funding amounts.

Being selected for this type of federal grant is a very competitive process and has strings attached (i.e., the funds must be utilized within a specific timeframe or they will be re-appropriated by the BOR and the opportunity will be lost). By accepting the grant and proceeding with the LNCPPP, CHWA maintains opportunities in the future for additional grants. If the grant is bypassed, future grant opportunities from the BOR will likely not be available so the cost of a future project would be entirely borne by shareholders.

Proposed shareholder funding amounts are based upon project benefits received by all shareholders. Proposed rates if the project is approved would be a share assessment of \$40 per share and an additional pipeline assessment of \$20 per share for shareholders with connections off the LNCPPP and an additional assessment of \$5 per share for shareholders with connections off the 4800 North Pipeline. The account fee of \$90 would remain in place for each account with the CHWA.

SHAREHOLDER INVOLVEMENT

The proposed project needs shareholder support to come to fruition. **All shareholders will be given the opportunity to vote on the proposed project at the CHWA's annual shareholder meeting at 7 p.m. on Tuesday, April 7, 2015 at Cedar Ridge Middle School in Hyde Park.** Your attendance and support is appreciated.

Those unable to attend are encouraged to submit their vote(s) by proxy. Shareholders should have received a meeting notice in the mail within the last week. This document serves as the voting ballot and must be signed and brought to the meeting on April 7. Those voting by proxy should provide their signed form to the person submitting it on their behalf.

MORE INFORMATION

For more information, please visit the project webpage at cachehighline.com or email to email@cachewater.com.