USDA

United States Department of Agriculture

Fact Sheet

Project Information

Project Name

American Fork-Dry Creek Watershed – Mill Ditch Project

Total $

$4,500,100

Location of Project

Pleasant Grove City, Utah

Congressional District 3

Sponsors

Pleasant Grove City

Authorization

Public Law 83-566 Stat. 66 of the Watershed Protection and Flood Prevention Act (16 U.S.C. Section 1001 et seq) 1954.

Background

The purpose of the project is to provide more efficient delivery of the full interest in the water rights of the irrigation company to the end user without interruption and to address safety and operational issues by improving the irrigation system, including the diversion structure on the American Fork River. The project is needed to conserve irrigation water lost to seepage and evaporation and to improve safety and reduce potential flooding issues due to open, unlined irrigation ditches and aging infrastructure.

In 2014, the City measured the flows entering and leaving the Upper Mill Ditch on a weekly basis through the irrigation season and determined there were significant seepage and evaporation losses. Approximately 3,885 acre-feet entered the ditch and approximately 1,671 acre-feet was lost to seepage and evaporation (43%). It is conservatively estimated that approximately 1,000 acre-feet (26%) could be saved from seepage and evaporation through piping of the Upper Mill Ditch and 200 ac-ft. from piping of the Meredith Ditch.

Project Measures

The Preferred Alternative consists of piping approximately 6,000 feet of the Mill and Meredith Ditches along existing alignments and replacing the aging diversion structure on the American Fork River. Implementation includes:

Phase I - piping the Mill Ditch (currently an unlined open channel)
Phase II - piping the Meredith Ditch (currently a concrete-lined channel)
Phase III - replacing the American Fork Diversion Structure

Economic and Financial data		Total Project Cost Share		Average Annual Costs	Annual O&M	
COSTS	PROJECT PURPOSES	Non-Fed	Federal		Non-Fed	Federal
	• Agricultural Water Management	$1,021,900	$3,478,200	$174,100	$8,100	$0
	TOTALS	$1,021,900	$3,478,200	$174,100	$8,100	$0

BENEFITS	PROJECT PURPOSES	Average Annual Benefits		Number of Direct Beneficiaries	
		Onsite	Offsite	Onsite	Offsite
	• Agricultural Water Management	$316,300	$0	5	30
	TOTALS	$316,300	$0	5	30

Benefit-to-Cost Ratio 1.82:1

Budget Data

Funding Schedule	2021	2022	2023
Federal Funds	$842,661	$635,539	$2,000,000
Non-Fed Funds	$280,887	$211,846	$529,167

Period of Analysis and Project Life 100 Years

Environmental Problems None

Other Significant or Controversial Issues None

Evidence of Unusual Congressional or Local Interest None

Compliance Is this report in compliance with executive orders, public laws, and other statutes governing the formulation of water resources projects?

X Yes ___ No