

DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION LOAN

APPLICANT'S REQUEST:

The Grand Water and Sewer Service Agency (Grand Water) is requesting financial assistance in the amount of \$48,000 to create a water system master plan.

STAFF COMMENTS:

The local MAGI for Grand Water is \$30,300, which is 77% of the state's \$39,325 MAGI. Additionally, the estimated water bill is \$49.55, which is 1.96% of the local MAGI. Both of these conditions qualify Grand Water for additional subsidization.

FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION:

Members of the Financial Assistance Committee discussed and had no issue with the Drinking Water Board authorizing a planning grant of \$48,000 to the Grand Water and Sewer Service Agency for the development of a master plan.

APPLICANT'S LOCATION:

The Grand Water and Sewer Service Agency is located adjacent and south of Moab, UT.

PROJECT DESCRIPTION:

The proposed culinary water master plan will provide GWSSA with a complete planning document, including an analysis of the existing system and a capital improvements plan for future system improvement projects. The culinary water master plan will include a detailed 5 point analysis of the existing culinary water system, which will specifically evaluate the system's sources, water rights, treatment, storage, and distribution system (including updating the hydraulic model to meet Division of Drinking Water regulations and verifying the functionality of the system valves). The water system's demands will be projected over a 20 year study period to estimate the future demands and required improvements for the system. A Capital Improvements Plan, including a recommended improvement schedule and estimated costs, will be developed based on the findings of the system analysis. A culinary water rate analysis will also be included in the water system master plan.

POPULATION GROWTH:

The engineer's projection for growth is slightly lower than the DEA estimate from the Governor's Office of Planning and Budget.

Year	DEA Projection	Engineer's Projection
2014	3860	3750
2020	4310	4200
2030	4728	4618
2035	4905	4795

IMPLEMENTATION SCHEDULE:

Apply to DWB for Construction Funds:	November 2014
FA Committee Conference Call:	December 2014
DWB Funding Authorization:	January 2015
Complete Study:	August 2015

COST ESTIMATE:

Engineering – Study	\$48,000
Total Project Cost	\$48,000

CONTACT INFORMATION:

APPLICANT:

Grand Water and Sewer Service Agency
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435-259-8121

PRESIDING OFFICIAL &
CONTACT PERSON:

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CONSULTING ENGINEER:

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DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Grand Water
 COUNTY: Grand
 PROJECT DESCRIPTION: Master Plan

FUNDING SOURCE: State SRF

0 % Loan & 100 % Grant

ESTIMATED POPULATION:	3,750	NO. OF CONNECTIONS:	1802 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$46.28 *			PROJECT TOTAL:	\$48,000
CURRENT % OF AGI:	1.83%	FINANCIAL PTS:	72	LOAN AMOUNT:	\$0
ESTIMATED MEDIAN AGI:	\$30,300			GRANT AMOUNT:	\$48,000
STATE AGI:	\$39,325			TOTAL REQUEST:	\$48,000
SYSTEM % OF STATE AGI:	77%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 4.79%		AFTER REPAYMENT PENALTY & POINTS 1.34%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	5	5		5
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	4.79%		1.34%
REQUIRED DEBT SERVICE:	\$0.00	\$0.00		\$0.00
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$0.00	\$0.00		\$0.00
ANNUAL NEW DEBT PER CONNECTION:	\$0.00	\$0.00		\$0.00
O & M + FUNDED DEPRECIATION:	\$663,242.00	\$663,242.00		\$663,242.00
OTHER DEBT + COVERAGE:	\$357,260.00	\$357,260.00		\$357,260.00
REPLACEMENT RESERVE ACCOUNT:	\$51,025.10	\$51,025.10		\$51,025.10
ANNUAL EXPENSES PER CONNECTION:	\$594.63	\$594.63		\$594.63
TOTAL SYSTEM EXPENSES	\$1,071,527.10	\$1,071,527.10		\$1,071,527.10
TAX REVENUE:	\$0.00	\$0.00		\$0.00
<u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$49.55	\$49.55		\$49.55
% OF ADJUSTED GROSS INCOME:	1.96%	1.96%		1.96%

* Equivalent Residential Connections