

City develops plans for new Madison Pipeline

By J.D. STETSON, News-Record Writer

Forecasts on Gillette's need for more water in the next 30 years have forced the City of Gillette to develop a plan to build a new Madison Pipeline and new wells in the Madison well field 42 miles east of Gillette.

The overall cost of the 15-year project is \$167 million, but given a 5 percent inflation factor, it could be closer to \$215 million.

The city has proposed to work with the Wyoming Water Development Commission to fund the project. Here are some preliminary phases for the project developed by Billing, Mont., engineering firm Morrison-Maierle Casey Hanson:

Phase 1

- Major Work Items: Preliminary design, test well design and drilling, land negotiations and permitting and legal fees
- Work schedule: July 1, 2008 to Dec. 31, 2009
- Estimated cost: \$5.5 million

Phase 2

- Major Work Items: Build first 14-mile segment of pipeline, complete negotiations for project, design second segment
- Work schedule: July 1, 2009 to Dec. 31, 2011
- Estimated cost: \$38 million

Phase 3

- Major Work Items: Construct 10.5 miles of the second section, final design for the third section, complete land negotiations
- Work schedule: July 1, 2010 to June 30, 2012
- Estimated cost: \$29 million

Phase 4

- Major Work Items: Construction of 10.5 miles of the third section, final design for the fourth section.
- Work schedule: July 1, 2011 to June 30, 2013
- Estimated cost: \$27 million

Phase 5

- Major Work Items: Construction of remaining 7.3 miles of fourth section to connect to city system, design two pump stations, new wells, well-field piping, in-town improvements and new electrical service
- Work schedule: July 1, 2012 to June 30, 2014
- Estimated cost: \$21 million

Phase 6

- Major Work Items: Construction of pump stations, wells, well-field piping and in-town improvements
- Work schedule: July 1, 2013 to June 30, 2015
- Estimated cost: \$32 million

Phase 7

- Major Work Items: Design, bidding and construction of well field expansion
- Work schedule: About 2022
- Estimated cost: \$16 million