



MEMO

To: Mayor Shaw and Rapid City Council

From: John Wagner, Water Superintendent

Date: April 25, 2001

Re: Request Authorization For Mayor and Finance Officer to Sign Professional Services Agreement with US Filter Control Systems for Radio Telemetry Path Study.

Cc: Dan Bjerke, Public Works Director

The Water Division is currently using dedicated telephone lines for telemetry communications for the computer control system. The monthly charge for each dedicated circuit is \$39.20. We are leasing 38 of these circuits for our control system. The monthly lease line charges for the Water Division using 38 circuits is \$1,489.60.

Because of the high monthly charges to operate our system, I have been investigating other options for telemetry communications for the computer system. The technicians at US Filter have communicated with Black Hills FiberCom to see if our system could be operated using the Fiber Optics technology. Unfortunately, the Fiber Optics technology is not compatible and will not work for our telemetry system. Our only other option available to us for telemetry communications will be radio.

US Filter Control Systems can perform a Radio Path Study to make the determination which outlying sites could be converted over to radio telemetry. The cost for the Path Study is \$4,600. Once the Path Study is completed and if we decide to proceed with converting those sites over to radio, we will be credited \$100 towards each site that US Filter converts from lease line to radio. The maximum estimated cost to convert each site to radio telemetry is \$4,000. If we are fortunate enough to be able to convert 30 of the 38 sites over to radio, the maximum payback timeframe, which includes \$3,000 credit from the Path Study, would be 8 years.

Radio telemetry technology has greatly improved over the years and looks to be a definite cost saving investment for the Water Division. The charges for a dedicated phone line will most likely continue to rise in years to come.



CONTROL SYSTEMS
 1239 WILLOW LAKE BLVD
 VADNAIS HEIGHTS, MN 55110
 PHONE 651-766-2700
 FACSIMILE 651-766-2701

PW050201-19

TO	Rapid City, South Dakota	FROM	Angelo A. Polsinelli
ATTN	John Wagner	DATE	April 24, 2001
QUOTE	010226AAP1	PAGES	3 (including this page)
PROJECT	Rapid City SD Radio Path Study		

In accordance with information supplied in an e-mail sent to Steve Talpas on 1/19/01, we are pleased to offer a Radio Path Study of the locations listed in that correspondence.

Net price to Rapid City, South Dakota \$4,600
 Sales and use taxes are not included

Note: US Filter Control Systems will be pleased to credit (from the monies received for the Radio Path Study) \$100 towards each station that US Filter converts from lease line to radio. Maximum credit not to exceed \$4,600.

- Anticipated completion of Radio Path Study Engineering: 4 to 6 weeks after receipt of order.
- This quotation is valid for 30 days. Payment terms Net 30 days.
- Quotation is based on U.S. Filter Control System's Terms & Conditions of Sale, copy attached.

Authorized Signature:

Angelo A. Polsinelli
Angelo A. Polsinelli
Branch Manager
ND, SD, MN, Western WI

e-mail: polsinellia@usfilter.com
 ph: (651) 766-2700 ext. 3058
 fax: (651) 766-2701
 cell: (651) 260-8135

This represents a Professional Services contract.

Accepted by: _____
 Title: _____
 Date: _____