

MONTANA-DAKOTA UTILITIES CO.

North Dakota Public Service Commission

Excess Flow Valves
Case No. PU-17-196



June 29, 2017
10:30 a.m.

*In the Community
to Serve*



EXCESS FLOW VALVE (EFV)

- An excess flow valve (EFV) is a safety device designed to automatically stop or restrict the flow of gas if an underground pipe is broken or severed. The EFV will not slow or prevent a leak that occurs beyond the meter set or on customer owned piping.
- US Department of Transportation (DOT) new pipeline safety regulation 49 CFR Part 192.383 requires utilities to notify customers about the availability of an EFV for installation on an existing service line.

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Power Point presentation from Informal Hearing

EXCESS FLOW VALVE (EFV)

- Since February 12, 2010, an EFV is required to be installed on all new service lines at no incremental cost to the customer.
- Montana-Dakota proposes to revise its tariffs to charge the customer requesting an EFV be added to an existing service line the actual cost of the installation.
- Federal Rule does not require the installation of an EFV on an existing service line and cost recovery is left to the decision of the Public Service Commission.

EXCESS FLOW VALVE (EFV)

- Estimated cost of a typical installation is approximately \$650.00. Estimates for cost and time frame for construction will be provided as requested on a case by case basis.
- Cost of an EFV is approximately \$30 for a plastic service line. The installation costs result in the average estimated cost of \$650.
- Montana-Dakota has approximately 94,150 service lines in North Dakota that do not currently have an EFV installed.

Demonstration
Excess flow valve video demonstration

<https://youtu.be/ogelz7YQris>



Typical Install
\$650 Estimated Cost



Service and Main after EFV Installed



Example of increased cost to install due to driveway and curb



EXCESS FLOW VALVE (EFV)

- In summary, installation of an EFV on an existing service line is a costly solution to avoiding a release of gas in the event of a line hit.
- Request approval of the rate schedule allowing the Company to charge customers requesting an EFV on an existing service line the actual cost of the installation.



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