

AMI OPT-Out Proposal

JR Richardson– Electric Metering

January 22nd, 2018



Topics for Discussion:

- ▶ Overview
- ▶ RF Safety
- ▶ Opt-Out Disadvantages for Customers
- ▶ Opt-Out Disadvantages for Utility
- ▶ Texas Utilities Opt-Out Fees
- ▶ Miscellaneous Fees, Charges, & Deposits
- ▶ Options
- ▶ Questions

Overview:

- ▶ +/- 53,000 Electric Meters in the City
- ▶ 99.99% Are on the AMI System
- ▶ < 40 Meters are Non-Standard

RF Safety:

- ▶ **Extensive radio safety studies have been performed on AMI wireless meters** by the:
 - ▶ American National Standards Institute (ANSI)
 - ▶ Institute of Electrical and Electronics Engineers (IEEE)
 - ▶ Electric Power Research Institute (EPRI)
 - ▶ National Council on Radiation Protection and Measurements (NCRP)
 - ▶ World Health Organization (WHO)
 - ▶ United States Food and Drug Administration (FDA)
 - ▶ United States Occupational Safety and Health Administration (OSHA)
 - ▶ United States Federal Communications Commission (FCC)
- ▶ **Based on these studies, FCC regulations specify radio output levels are safe for everyday exposure with no negative health or safety impacts.**
- ▶ **AMI electric Meters do not continuously transmit data, typically data is transmitted less than six minutes total throughout an entire day**

Opt-Out Disadvantages - Customer:

- ▶ Not eligible for pre-paid billing
- ▶ 15 minute interval historic data not available
- ▶ Not available to be on outage management system
- ▶ Cannot participate in Time Of Use billing

Opt-Out Disadvantages - Utility:

- ▶ Unable to see diagnostics and event logs to catch potential problems with meter/service
- ▶ Unable to monitor on Outage Management System
- ▶ Additional labor costs associated with manual reads
- ▶ Potential of inaccurate Load Forecasting Report due to non-AMI meters usage not being captured
- ▶ Time Of Use Rate cannot be offered
- ▶ Unable to monitor for diversion or unregistered behind the meter generation installations
- ▶ Special manual reading and billing is required

Utilities in Texas:

Opt-Out Fees

	CenterPoint Energy	Texas New Mexico Power	AEP Texas TCC	AEP Texas TNC	Oncor	Austin Energy	CPS Energy (San Antonio)	CoServ	Bryan	Georgetown
New Analog Meter	\$171.00		\$182.00	\$220.00	\$167.22					
Digital Non-Communicating Meter	\$201.00	\$141.55	\$182.00	\$220.00	\$197.11					
Advanced Meter with Communications Disabled	\$174.00		\$146.00	\$164.00	\$186.46					
Existing Non-Standard Meter		\$63.97	\$105.00	\$105.00	\$168.54	\$75.00	\$150.00	\$138.00		
No Opt-Out Program									X	X
Non-Standard Meter Monthly Fee	\$32.80	\$36.78	\$19.00	\$36.00	\$26.69	\$10.00	\$20.00	\$25.00		

*As of this time neither Garland nor Greenville have implemented an AMI system; therefore, they do not have an opt out program

Miscellaneous Fees, Charges & Deposits:

- ▶ January 9, 2018 City Council approved Credit and Collections Policies Ordinance (agenda item 18-073)
- ▶ Draft AMI opt-out fee schedule added to Utility Rates

Options:

- ▶ City Of Denton Option 1
 - ▶ **No Opt-Out Option** – Customer must have an AMI meter

- ▶ City Of Denton Option 2
 - ▶ **Implement Opt-Out Option**
 - ▶ Opt-Out One-time Fee for Existing Non-Standard Meter -- \$131.00
(Based on cost of a standard electric meter)
 - ▶ Opt-Out Monthly Fee for Non-Standard Meter -- \$30.00
(Based on the return trip fee)

Recommendation & Questions:

- ▶ Staff recommends AMI Opt-Out Option 2



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