



1659 Spencer Road, Denton, Texas 76205

Date: September 7, 2017

To: Chairman Robinson and Honorable Members of the Public Utilities Board
Todd Hileman, City Manager
Bryan Langley, Deputy City Manager/COO
Mario Canizares, Assistant City Manager

From: Jessica Rogers, Energy Services Manager

Subject: Wireless Node Rates for FY 2017-18 Electric Rate Ordinance

The proposed electric rate ordinance was presented to PUB as a work session item on July 10, 2017 and was approved (6-0) on July 24, 2017. However, after the formal recommendation was made by PUB, it became necessary to add additional rate schedules to address the new small cellular wireless nodes, per SB 1004. Based on feedback from DME Engineering, Energy Services staff worked to develop a rate structure that would properly charge wireless node providers for their energy consumption and costs associated with serving each node.

When the electric rate ordinance is provided to City Council for approval, it will include two (2) additional rates: **Wireless Node Attachments (WNA)** and **Wireless Node Unmetered (WNU)**. At the time of the rate development, DME staff were unsure if all wireless nodes would be metered individually or if their costs could accurately be determined based on information provided during the application and permitting process. To accommodate this uncertainty, staff developed two similar rates that can be applied based on the metering determinations made during the permitting and installation processes. This same metered/unmetered rate strategy is used for certain lighting structures where individual metering may not be possible in all instances.

The electric rate ordinance will be presented to City Council for consideration on **September 19**.

Attachments: Proposed Wireless Node Attachments (WNA)
Proposed Wireless Node Unmetered (WNU)

SCHEDULE WNA

WIRELESS NODE ATTACHMENTS

(Effective 10/01/17)

APPLICATION

This Rate is available to a licensee who desires to access designated poles owned by the City for the purpose of installing and maintaining their wireless nodes and associated equipment to provide services to the public. An agreement between such entity and the City shall be executed separate from, but will reference, the following rate schedule:

NET MONTHLY RATE

	(1)	Facility Charge	\$17.82/node
plus;	(2)	Usage Charge	6.64¢/kWh
plus;	(3)	Energy Cost Adjustment Charge	See Schedule ECA
plus;	(4)	Transmission Cost Recovery Factor	See Schedule TCRF

USAGE CHARGE

Billing for the Usage Charge shall be based on actual kWh consumption during the billing period.

$$\text{Usage Charge} = \text{All kWh per device} \times \text{Rate per kWh}$$

MISCELLANEOUS

(1)	Unauthorized Attachment Penalty	\$1,000 per attachment
(2)	Undefined Work or Expense	Rate pursuant to Schedule SFR

MAKE READY COSTS

Licensees will be required to pay for any work done or contracted by the City, including but not limited to make ready work and any installed, used or maintained facilities in violation of the Agreement that the licensee has not corrected. The City will invoice licensee, and licensee must pay, for identified expenses as needed before any work will begin and shall include all reasonable fully loaded material (including any applicable overhead), labor, engineering, transportation and administrative costs.

PAYMENT

Bills are due when rendered and become past due if not paid within fifteen (15) calendar days from date of issuance.

SCHEDULE WNU

WIRELESS NODE UNMETERED

(Effective 10/01/17)

APPLICATION

This Rate is available to a licensee who desires to access designated poles owned by the City for the purpose of installing and maintaining their wireless nodes and associated equipment to provide services to the public. An agreement between such entity and the City shall be executed separate from, but will reference, the following rate schedule:

NET ANNUAL RATE

	(1)	Facility Charge	\$17.82/node
plus;	(2)	Usage Charge	6.64¢/kWh
plus;	(3)	Energy Cost Adjustment Charge	See Schedule ECA
plus;	(4)	Transmission Cost Recovery Factor	See Schedule TCRF

USAGE CHARGE

Billing for the Usage Charge shall be based on technical information of installed equipment provided by licensee. This calculated consumption will be billed for each device once every twelve (12) months at the end of the fiscal year. Any accounts that are added during the year will be billed on prorated consumption.

Usage Charge = Annual kWh per device × Rate per kWh

Annual Usage = 2,000 kWh per device per account (or calculated consumption based on technical information provided by licensee)

MISCELLANEOUS

(1)	Unauthorized Attachment Penalty	\$1,000 per attachment
(2)	Undefined Work or Expense	Rate pursuant to Schedule SFR

MAKE READY COSTS

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