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Sent: Tuesday, July 12, 2022 2:15 PM
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Subject: LED lights - centerpoint

Pearland

EXECUTIVE SUMMARY BACKGROUND The City has over 9,000 streetlights and the numbers are increasing each year due to development, City road construction projects and through citizen requests. The City requirements in the Engineering Design Criteria Manual (EDCM) sets a design spacing of approximately 200 feet between each streetlight, which includes lighting at intersections and at the end of cul-de-sacs. The distance is based upon a 35' cobra head high pressure sodium light. For several years CenterPoint Energy has been presenting the possibility for the City to convert from the current sodium high-pressure bulb streetlights to the Light Emitting Diode (LED) bulb streetlight heads that still maintain the current criteria for spacing. As indicated in the attached memo the City's reluctance was due to the potential for a capital recovery fee for costs associated with the conversion. The City elected to wait, it paid off, and as a result CenterPoint has developed a rate structure in the 2020 Tariff that now has a monthly cost for LED bulb significantly reducing the possibility of a capital recovery fee. With the tariff addressing the LED costs, which significantly decreases the risk, and after the presentation with CenterPoint indicating the total annual kilowatt-hour reduction will net a savings to the City for this conversion. SCOPE OF CONTRACT/AGREEMENT To convert the existing streetlights to LED bulbs, CenterPoint is requesting that the City enter into the agreement to begin the process to change out the existing sodium high-pressure bulbs with the new LED bulbs. The changeout would use the existing streetlight poles and just change out the bulb assembly. BID AND AWARD SCHEDULE Upon execution of the agreement CenterPoint would have 12 months to start the work and once started would have 12 months to complete the conversion of the streetlights.

HOUSTON EXPERIENCE:

<https://kinder.rice.edu/2016/03/23/whats-the-big-deal-about-houstons-new-street-lights>