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City Council Work Session February 11, 2020

After the Adjourned Meeting, which begins at 6:00 p.m.

● **CALL TO ORDER.**

1. West Nile Virus Program Review. (staff: Mike Calhoon, Matt Parker; 15 minute staff presentation; 45 minute discussion)

The purpose of this item is to review the current West Nile Virus (WNV) program, summarize the evolution of the program, and assess Council's interest in pursuing policy changes. The WNV Program has evolved significantly over the past 17 years of operation, through four revisions in policy. Initiated in 2003 as an emergency response to the westward migration of the mosquito-borne disease, the Program seeks to reduce the risk of WNV infection while limiting the human and environmental impacts of managing against WNV. While adult mosquito control treatments garner most of the concern and attention, the majority of the program budget funds preventive integrated pest management actions and data collection. The contentious aspect of the WNV Program has been adult mosquito treatments and the policy thresholds at which those actions occur.

2. Mitigating Plastics Pollution. (staff: Molly Saylor, Richard Thorp, Jeff Mihelich; 15 minute staff presentation; 45 minute discussion)

The purpose of this item is to share existing best practice research and to propose taking a comprehensive approach to mitigating single-use (macroplastic) pollution, while continuing to study microplastic pollution.

3. Residential Electric Time-of-Day (TOD) 12 Month Review. (staff: Kevin Gertig, Randy Reuscher, John Phelan, Lisa Rosintoski, Lance Smith; 20 minute staff presentation; 15 minute discussion)

The purpose of this item is to share the detailed analysis, recommendations and outreach/feedback from the first 12 months of the Time-of-Day (TOD) residential electric rate structure, which was launched in October 2018.

Pilot Study (2015-2016)

While the pilot study confirmed that a switch to a TOD rate structure would achieve the goal of being revenue-neutral, the results also showed annual reductions in both the average residential electric bill (~2%) and overall energy consumption (2.5%). There was also evidence this rate structure would lower utility costs by shifting demand away from the on-peak hours.

TOD One-Year Results (October 2018-October 2019)

The results after one year on TOD are consistent with the results from the pilot study for overall revenue, customer bill changes, energy use reduction and peak demand shifting:

- 65% of residential accounts showed a decrease in annual electric bills compared to the prior rate structure.
- Average monthly bill was \$1.38 lower with TOD pricing.
- Overall revenue collected for the residential class was lower by 2.3% on TOD.
- Overall energy consumption was 1.9% lower, or 16,775 megawatt-hours (MWh), which also decreased wholesale electricity expenditures.
- Reduced electricity use from TOD saved over 15,800 metric tons of carbon emissions, equivalent to 0.8% of the 2018 community carbon inventory.
- On-peak hour electricity use was 7.5% lower than in the previous year.

Staff also examined several methods to account for weather differences in pre- and post-TOD periods. The results show a weather-adjusted conservation effect for reductions in energy use between 3.5% and 5%.

- **ANNOUNCEMENTS.**
- **ADJOURNMENT.**