



Department Source: City Utilities - Water and Light
To: City Council
From: City Manager & Staff
Council Meeting Date: November 16, 2020
Re: Public Hearing for the 2020 Renewable Energy Report

Executive Summary

This is a Public Hearing for the 2019 Renewable Energy Report. The renewable energy mandate passed by voters in 2004 and modified by council in 2013 requires that each year prior to February 1, Columbia Water & Light publicly release a report outlining compliance with the ordinance. This year's report provides details on the amount of renewable energy provided, descriptions of projects and the forecast for the 2020 portfolio. Staff reports that 15.87% of all energy source for 2019 electric retail sales was provided by the 2019 renewable portfolio, exceeding the goal of 15%.

The 2020 Renewable Energy Report was publicly released by January 30, 2020. It has been reviewed by the Water & Light Advisory Board and the Climate & Environment Commission. Ordinance requires a public hearing and a vote to approve the report.

Discussion

Columbia Water & Light has been pursuing renewable energy sources since the mandate was passed by voter approval in 2004. The following is a list of the renewable energy quantities for 2019:

- Bluegrass Ridge Wind -----1.03%
- Crystal Lake Wind-----9.86%
- Columbia Landfill Gas-----1.18%
- Jefferson City Landfill Gas-----1.86%
- Photovoltaic----- .27%
- Buffalo Ridge & Barton Wind Rec----1.67%

Renewable Energy Total: 191,012 megawatt hours or 15.87%

As outlined in Section 27-106(b) of the Renewable Energy Standard Ordinance, renewable energy cannot cause electric rates to increase more than 3% above what rates would be with non-renewable energy. Based on the methodology detailed in the Renewable Energy Report, current renewable energy resources have 53.56% of the allowed impact or 1.6% impact on rates.

As required by the Ordinance, the report has been reviewed by the Water & Light Advisory Board and the Climate & Environment Commission. Their comments are included with this memo.

Fiscal Impact



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Short-Term Impact: NA

Long-Term Impact: NA

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Not Applicable, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

Comprehensive Plan Impacts:

Primary Impact: Environmental Management, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

Legislative History

Date	Action
11/02/2020	R141-20 Setting a public hearing: consider the Water and Light 2020 Renewable Energy Report

Suggested Council Action

Accept the 2020 Renewable Energy Report.