



15820 Barclay Drive | Sisters, OR 97759  
Office: 541.549.8766  
[www.evensol.com](http://www.evensol.com)

# Rochelle Energy Center

Wes Lawrence  
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# Rochelle Energy Center (“REC”)

- Started in 2012: converts landfill gas to renewable electricity (up to 4.8Mw)
- Landfill gas purchased from landfill operator, we are not landfill operator
- Electricity sold to RMU under Power Purchase Agreement (“PPA”) which expires 2023
- Rochelle Energy provides a very small percentage of RMU’s overall electricity needs, while providing 99% of RMU’s renewable energy acquisition goal
- Locally produced power, no transmission costs, electricity sent directly to RMU grid.

# Rochelle Energy Center (“REC”)

- Electricity provided 24/7, and when used at peak times is cheaper than RMU buys in open market
- Circle of Life: Sludge taken from Water Treatment Plant utilized to generate electricity
- Circle of Life: REC provides 100% of Water/Sewer treatment plant electricity needs





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# Proposal for City Council Approval

- Extend PPA by 5 years from 2024 to 2028, plus City option for annual renewals



# WHY NOW?

- Landfill gas has high sulfur content due to C and D material
- REC taken steps to assist city by
  - working with operator to stop taking C and D, and
  - paying for additional collection equipment
- However, still experiencing high sulfur
- High sulfur gas content wearing out REC equipment, equipment needs upgrading
- By upgrading equipment additional harmful emissions/odor will be further reduced
- REC can't justify additional equipment without contract extension

# Benefits to Rochelle

- Gas would need to be cleaned if REC not in existence both for emissions and odor purposes
- PPA renewal will come at no increase in rate
- REC receives no subsidies from state or other government entities
- Energy Center produces renewable energy credits which RMU sells and can utilize proceeds of to reduce electricity costs for low income users.
- REC is not burning coal to produce electricity

# Circle of Life

