

Renewable Energy Development

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Discussion

Renewable energy commitments

Current efforts

- Energy efficiency
- Renewable energy solicitation
- Discussions with APS

Council Direction





Renewable Energy Commitments

2010 Energy Efficiency and Renewable Energy Resolution

- Long-term energy planning which incorporates preparedness for future energy needs and protects against rising energy costs
- Renewable energy projects and purchasing combined will meet 35% by 2020

2017 transition to 100% renewable energy

- City operations and Flagstaff community

2018 Climate Action and Adaptation Plan (CAAP)

- 80% reduction in greenhouse gas emissions by 2050

Current Efforts

1. Energy efficiency and reducing peak demand
2. Solicitation for 19 MW solar project
3. Discussions with APS
 - Solar development
 - Solar and wind development
 - Clean energy portfolio



Energy Efficiency

Simultaneous efforts:

1. Developing energy performance contract solicitation for city-wide energy audit and retrofits
2. Developing strategies to reduce peak demand
3. Electric rate structure analysis
4. Water Services ongoing efforts to upgrade water production and waste water equipment and operational processes
5. Employee education



Renewable Energy Solicitation

1. Exclusivity Agreement with NextEra approved 4/16/19
 - The Agreement provides NextEra authorization to work with APS on the City's behalf on a 19 MW solar project on a Hopi parcel through 4/16/20
 - Does not commit the City to a power purchase agreement with NextEra
 - NextEra and Hopi continue to explore options for advancing this project
 - NextEra's interconnect study with APS valid until 2025





Discussions with APS

1. Solar development at Red Gap Ranch

Potential to develop a 50 MW solar project at the ranch. Regional partners would be invited to participate. The energy premium would be partially offset by the use of Red Gap Ranch land (pricing to be determined).

2. Solar and wind development at various locations

Potential to develop solar energy systems at Red Gap Ranch and wind energy systems in yielding wind corridors. The energy premium would be partially offset by the use of Red Gap Ranch land (pricing to be determined).

3. Clean energy portfolio at various locations

Potential to diversify the City's energy portfolio with solar, wind, and nuclear. APS would monitor use and peak demand to provide a clean energy mix (pricing to be determined).

Path Forward

Seeking direction from City Council:

1. Work with APS to develop up to a 50 MW solar project at Red Gap Ranch
2. Work with APS develop a solar project at Red Gap Ranch and a wind project - location to be determined
3. Redefine renewable energy goal and work with APS to bring nuclear, solar, and or wind into the City's energy mix



Thank you.

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