

Item 4, being:

PRESENTATION FROM THE READY FOR 100 CITIZENS GROUP.

Ms. Karen Blasier, Organizer for the Norman Ready for 100 Campaign, introduced Ms. Kathryn Trent, Chair of the Norman Ready for 100 Policy Committee. Ms. Blasier thanked the Committee for their time and said the Ready for 100 is a national campaign in many cities across the nation supported by the National Sierra Club in terms of training material and support.

Ms. Trent said when the Ready for 100 Policy Committee prepared its policy, input was used from many members of the community. People involved with problems that fuel extraction or are involved with leading the way into a new renewable economy that include solar, wind, hydro, tidal and geothermal energy. She said Ready for 100 has prepared a resolution they would like the City to adopt with the objective of transitioning the City of Norman to 100% clean energy in the form of wind, solar, energy efficiency measures, and other renewable sources within the electricity sector by 2035 and all energy-use sectors, including heating and transportation, by 2050. She said the adoption of renewable energy increases economic security and prosperity for residents and strengthens sustainability through community solar to benefit people of color, indigenous communities, immigrants, and refugees as well as rural and economically disadvantaged residents who experience the impacts of pollution and climate change disproportionately. The City would need to meet clean energy goals through a transparent and inclusive stakeholder process that includes social justice, frontline communities and those most impacted by our current energy systems; public health and the environment; economic development; utility sector; clean energy sector; universities; academic institutions; businesses; housing; employment services; low income advocates; government; and any other relevant groups. The City will need to create a system to track plausible policy measures to stay on target, distribute the burden, and meet clean energy goals according to the aforementioned timeline.

Ms. Trent said wind energy is not as labor intensive so a wind farm would be more cost efficient at a cost of approximately \$87,659,608 for 22 turbines for 50 megawatts (MW) of energy with \$14,149,304 in annual operating expenses or \$175,149,304 for 44 turbines for 100 MW with \$28,302,312 in annual operating expenses. She said Norman could build the first wind farm that would currently meet 100% of its energy needs and subsequently install concentrated and distributed solar as that technology advances. More turbines could be added over time to supplement generation, particularly once vehicles are running exclusively off of electric power. She said implementation of energy efficient measures could decrease energy demand by up to 38% or more. Solar energy would cost approximately \$20,212,713 for 25 MW or \$334,228,232 for 50 MW with \$37,885,810 in annual operating expenses. She said solar costs vary depending on how it is installed because concentrated solar is more expensive, but extremely effective and efficient while distributed solar is less expensive and strengthens the resilience of the community and the grid. She said a wind energy farm could be constructed in Tuttle, Oklahoma, and piped to Norman.

Ms. Trent said further information can be found on the Department of Energy Green Economic Development Initiative website.

Mayor Miller asked how many acres of land would be needed for a 22 turbine wind farm and Ms. Trent said she could obtain that information and email it to Council.

Ms. Trent said the World Bank made a commitment in December 2017, to no longer fund fossil fuel extracted projects by December 2020, so renewable energy will happen. She said it is projected that by 2023, oil will fall to \$10 a barrel because major automobile manufacturers are factoring out the internal combustion engine and moving to electric vehicles.

Item 4, continued:

Councilmember Holman said he would like to see the City of Norman lead by example by incorporating solar energy into City facilities. Mayor Miller said the University of Oklahoma (OU) is working towards being 100% renewable energy efficient.

Ms. Trent said there are 3,700 schools, nationally, that have solar energy and are energy independent enough to produce excess energy that is sold to pay teacher salaries.

Councilmember Karjala said she fully supports the resolution although funding will be challenging. She felt that solar panels should be installed on all NORMAN FORWARD projects. Councilmember Wilson agreed and said this could set Norman apart as unique with a great quality of life and she would fully support the efforts.

Mayor Miller said the Environmental Control Advisory Board (ECAB) is currently working on the Mayor's Climate Protection Agreement goals and she would like an update on that to use as part of the City's guide on the best way to move forward. Ms. Amanda Nairn, Chair of ECAB, said ECAB is reviewing everything ECAB has done over the last ten years in order to create a list of five year goals and once those goals are met they will create another list of five year goals. She said ECAB will be meeting in March to review the first list of five year goals. She said these goals will include recycling and other environmental issues as well as energy. Councilmember Clark said she supports the resolution and asked if ECAB could incorporate and align their five year goals with energy vision and Ms. Nairn said the Ready for 100 resolution could provide guidance for ECAB. She said ECAB wants to concentrate on actionable things that are monetarily small in nature, but will slowly get the City where it wants to be on all environmental fronts.

Items submitted for the record

1. The Norman Ready for 100% renewable Energy Commitment: Quantifications, Objectives, and Resolution, Spring 2018
2. Sustainability, Resilience, and Economic Possibilities for the City of Norman

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Item 5, being:

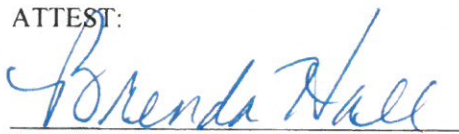
MISCELLANEOUS PUBLIC COMMENTS

None



The meeting adjourned at 5:16 p.m.

ATTEST:



City Clerk



Mayor