

**ELECTRIC INTEGRATED RESOURCE PLAN PUBLIC WORKSHOP
MINUTES
ORLANDO UTILITIES COMMISSION
November 17, 2020
2:00 P.M.**

Present:

COMMISSIONERS:

Cesar E. Calvet, President
Britta Gross, First Vice President
Larry Mills, Second Vice President
Gregory D. Lee, Commissioner
Mayor Buddy Dyer

Clint Bullock, General Manager & Chief Executive Officer
Jan Aspuru, Chief Operating Officer
Mindy Brenay, Chief Financial Officer
W. Christopher Browder, Chief Legal Officer
Linda Ferrone, Chief Customer & Marketing Officer
Manju Palakkat, Chief Transformation & Technology Officer (via WebEx)
Latisha Thompson, Chief Employee Experience Officer
Wade Gillingham, Vice President
Nanci Schwartz, Recording Secretary

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The Electric Integrated Resource Plan (EIRP) Public Workshop of the Orlando Utilities Commission was held Tuesday, November 17, 2020, at 2:00 P.M., at the Orlando Utilities Commission's Reliable Plaza Commission Room, Community Room in person, and via WebEx.

Clint Bullock welcomed everyone to the workshop and noted that no official action will be taken at this public meeting. Mr. Bullock provided brief opening remarks, including background information about OUC, its commitment to energy efficiency, and its four key attributes of Affordability, Reliability, Resiliency, and Sustainability.

Manju Palakkat discussed how the EIRP helps OUC plan for the future, as well as how the EIRP aligns with OUC's corporate strategy and the Connected 2025 aspects of customers, employees, and community.

Jan Aspuru provided an introduction to the EIRP, explaining what an EIRP is, describing the inputs and outputs, and discussing renewable energy and transmission in the state of Florida, as well as Florida's future challenges and opportunities during the transition to a clean portfolio. He also introduced the EIRP project team from OUC, Siemens PTI, Essense Partners, and other independent third parties.

Linda Ferrone stated that OUC values community input during the EIRP process and discussed OUC's community engagement, including on-line engagement and surveys, community forums, meetings with commercial customers, and the 12 member Advisory Council representing stakeholder groups affected by the EIRP. She also summarized how customers ranked the four key attributes.

Art Holland, the Principal Consultant from Siemens PTI, summarized the EIRP process and results, the CO₂ targets achievement, metrics, and balanced scorecard.

Mayor Dyer asked why the study used 2005 CO₂ emission levels as a benchmark. Mr. Holland stated that 2005 was a particularly high year for CO₂ emissions and those numbers are frequently used as a benchmark by other utilities, as well as in legislation and international agreements.

Commissioner Mills asked for confirmation that the optimized portfolio is on the high tier for near-term affordability. Mr. Holland responded that gas conversion is on the moderate-to-high tier for affordability. Commissioner Mills stressed that there is an up-front cost as well as the importance of earmarking affordability now.

Mr. Aspuru summarized the Optimized Portfolio, including earlier coal to gas conversion, addition of wind energy starting in 2036, and earlier retirement of gas conversion units by 2040. He also discussed how the Optimized Portfolio contributes to the four key attributes.

Mindy Brenay discussed how the Optimized Portfolio affects the key attribute of Affordability. She discussed OUC's customer pricing principles, pricing history, and stressed OUC's commitment to affordability. She summarized the Optimized Portfolio costs and residential customer pricing over the first ten years.

Commissioner Gross asked for clarification regarding the yearly increase in comparison to peer utilities. Ms. Brenay stressed that OUC's goal is to maintain pricing within five percent of the peer average. She also emphasized the importance of reliability to customers. Mr. Bullock stated that two peer utilities are currently undergoing approval for rate increases.

Commissioner Mills inquired about residential customer impact beyond the year 2030. Ms. Brenay stated that has not yet been looked at in the rate model, but customer impact should level out as time goes on and as generation increases and technology improves. OUC will continue to investigate cost mitigating strategies.

Mr. Bullock summarized OUC's path forward and management's clean energy roadmap recommendation. He noted the importance of balancing the four key attributes. The Optimized Portfolio significantly reduces coal-fired generation no later than 2025 and eliminates it no later than 2027; accelerates solar and energy storage as primary strategies to ensure energy during non-solar

energy production periods; leverages future clean technologies to ensure diversity for reliability; and strives to maintain competitive rates for customers while achieving strategic goals.

Commissioner Gross asked about the NREL study and the opportunities for rooftop solar. Mr. Bullock stated that demand for rooftop solar was used as an input for the EIRP. From a cost standpoint, rooftop solar is three times more expensive than large-scale solar. He stated that OUC has more work to do in this area. Ms. Ferrone stated that the NREL study contemplated different scenarios for adoption rates. After viewing a number of those scenarios, the Siemens PTI team selected 76 megawatts of rooftop solar for adoption.

There was a ten minute break.

The Recording Secretary called for public comments from in-person guests.

Caroline Chomanics, an OUC customer, spoke about climate change.

Christy Folk spoke about climate change.

Tim Zorc urged OUC to consider photocatalytic technology as part of its energy portfolio.

Gordon Spears, an OUC customer, spoke about rooftop solar.

The Recording Secretary called for public comments from WebEx guests.

Beverlye Neal, an OUC customer, spoke about the energy future of Orlando.

Korey Wheeler, an OUC customer, spoke about climate change.

Michelle Suarez, an OUC customer, urged OUC not to use fracked gas.

Michael Cohen, an OUC customer, spoke about solar power and net metering.

Grayson Lanza, an OUC customer, spoke about gas generation.

Gloria Pickar spoke about OUC's energy efficiency goals and using gas generation as a bridge fuel.

Marshall Sherman, an OUC customer, spoke about the City of Orlando's zoning requirements and the potential of harvesting energy from the Gulfstream.

Carlos Torrealba, an OUC customer, spoke about gas generation and energy efficiency goals.

Raquel Fernandez Makarov, an OUC customer, spoke about gas generation.

Susan Glickman spoke about community input in the EIRP and gas generation.

Tasnim Mellouli, an OUC customer, spoke about gas generation and the climate crisis.

Tammi Madison, an OUC customer, thanked management for allowing her to serve on the Advisory Committee.

Deborah Green, an OUC customer, spoke about energy efficiency and retrofits for low-income homes.

Susannah Randolph, an OUC customer, spoke about climate change and gas generation.

Laura Betts, an OUC customer, spoke about the human impact of fracked gas.

Forrest Bradley Wright spoke about energy efficiency and gas generation.

Nicole Moreno spoke about gas generation.

Aria McKenna spoke about the impacts of gas generation.

Bishop Allen Wiggins thanked OUC for its long-term commitment to sustainability and pledging to achieve net zero carbon emissions by 2050.

Frank Wells thanked OUC for its partnership with the Central Florida Regional Housing Trust.

The Recording Secretary noted that emailed public comments have been provided to the Commissioners.

Mr. Bullock thanked all the members of the community who spoke at the meeting. He provided closing remarks and reiterated that no official action will be taken at this meeting. He stressed that the EIRP is flexible and will be revisited approximately every five years.

Commissioner Mills thanked everyone for their effort. He reminded those in attendance that this workshop was for information gathering purposes and no official action will be taken. He reminded OUC staff of key words in the vision, innovative and partner, which should drive the EIRP. He also noted two key words in the mission statement, which are value and delivery. As OUC is seeking innovative solutions in a timely manner, it must also stay on top of value and delivery. His key word for the technology plan was commitment, and noted that OUC has pledged its commitment through investing in new technologies. His two key takeaways for the EIRP are technological advancement and transmission capability. The presentations from Mr. Holland and Mr. Aspuru helped him understand the need for a bridge fuel in gas generation. He understands community concerns regarding gas generation and affordability, and stressed the need to balance technological innovation with customer cost. He noted that the EIRP is a macro plan and details will come in the future. He stressed to Mr. Bullock to not be too focused on peer averages.

Mayor Dyer stressed that the EIRP can and will change in the future. He celebrated that OUC is ending coal-fired generation. He is not worried about the difference between 100 percent renewable energy and net zero carbon, as that is the goal for 30 years from now and will be addressed with interim goals and future revisions to the EIRP. He has some questions regarding the energy efficiency goals and distributed solar that he would like to see addressed before voting on the EIRP. He thanked everyone for the hard work and stressed that the plan is agile and flexible.

Commissioner Lee thanked the other members of the Board and staff for allowing him to participate in the workshop remotely. He noted that the EIRP has been a thoughtful and extensive process. He applauds the efforts and commitment to achieving 100 percent clean renewable energy by 2050, as well as the interim goals for carbon reduction. He noted that details will come in the future as OUC balances the four key attributes. He thanked everyone for speaking at the meeting and caring about the community. He noted the importance of balancing sustainability with the other key attributes. He thanked OUC staff for building-in five year reviews of the EIRP as that forces greater flexibility in the plan. He thanked everyone for their efforts.

Commissioner Gross stated her top priority is the near term 2030 goal, and thinks the EIRP is delivering on the goal of 50 percent CO₂ reduction. She is thrilled about the end to coal-fired generation. She thanked the public for their comments and noted the importance of energy efficiency, distributed solar, and distributed generation to the community. She praised the EIRP for moving from 6 percent solar energy in the present to 50 percent solar by 2030. She noted that not all sources of natural gas are the same and stressed the importance of where OUC is sourcing natural gas. She stated that the thoughtfulness put into the plan is critical and also stressed the flexibility and ability to revisit the plan when needed due to changes in the federal administration. She does not discount the City's goal of 100 percent renewable energy by 2050, but does not see a gap between OUC's goal of net zero carbon emissions.

President Calvet stated that he took notes from every person who spoke at the meeting and thanked everyone for taking the time to comment. He thanked Mr. Bullock and staff, Siemens PTI, and Essence Partners for the great work. He believes this is a great plan and that goals will change over time with technology. He wants the plan to be approved by the end of the year so that staff can begin working on it in 2021.

The EIRP Workshop was adjourned at 6:28 P.M.