



City of Columbia, Missouri

Meeting Minutes

Integrated Electric Resource and Master Plan Task Force

Thursday, October 24, 2019
6:00 PM

Regular

701 E. Broadway
Mezzanine

I. CALL TO ORDER

Ms. Hassani called the meeting to order at 6:04 p.m.

Staff: Ryan Williams, Assistant City Utilities Director of Water & Light; Christian Johanningmeier, Power Production Superintendent; Chris Kisch, Sr. Administrative Support Assistant

Consultants by Telephone: Seimens Industry, Inc.: Gary Vicinus, Project Director; Michael Mount, Project Manager; Nelson Bacalao, Master Plan Lead; Marcelo Saenz IRP Lead

Present: 11 - Scott Bell, Rachel Hassani, Thomas Jensen, Kim Fallis, Robin Wenneker, Carly Dibben, Gregg Coffin, Nicholas Knoth, Lincoln Brown, Dick Parker and Alex Antal
Absent: 4 - Philip Fracica, Detelina Marinova, Scott Fines and Robert Hasheider

II. INTRODUCTIONS

Ms. Hassani did a round robin for introductions. She gave the consultants a short background on the task force and what the job entailed for them.

III. APPROVAL OF AGENDA

The agenda was approved as submitted with a motion by Mr. Dick Parker and a second by Ms. Robin Wenneker. Motion passed unanimously.

IV. APPROVAL OF MINUTES

Mr. Dick Parker made a motion to approve the October 1, 2019 meeting minutes with changes and a second by Ms. Robin Wenneker. Motion passed unanimously.

Attachments: [Minutes October 1, 2019 Draft](#)

V. NEW BUSINESS

a) Review Siemens Update

Mr. Williams noted the consultants had provided an update to the methodology and would be discussing the changes as recommended via telephone. Mr. Mount said the requested input from the task force was highlighted on page six. He noted there was

a glossary added and would be expanded as the task force moved forward. Mr. Mount advised many of the terms in the glossary would not be used in the methodology but would be in the report. He noted there were some minor updates, noting page 10 had some grammatical changes. Mr. Mount said page 11 had added a bullet to include achieving a 100 percent renewable or carbon free portfolio within the study horizon by the year 2030 or 2035. He stated there was a request in the minutes to include benefits; noting that had already been identified and was highlighted on page 14. Mr. Mount said also in the minutes and the consultants notes was a request to show cost. He added this was a big subject the task force discussed and the consultants had tried to address both cost and benefit. Mr. Williams noted this was to serve as a map and guide and if the task force was comfortable with the changes, the hope was for the task force to approve the document. Mr. Parker referred to the 2035 date for renewable energy, saying there was a comment at the last meeting that a climate group had said the problem should be solved by 2050. He said the Climate Action and Adaptation Plan (CAAP) task force had recommendations of 35 percent by 2035. He suggested changing the renewable energy goals to 80 percent by 2027 and 100 percent by 2030. Mr. Antal disagreed; saying the goals were ratified by Council and changing the goals would be outside the task force's authority. He said he would like to see additional goals included. Ms. Wenneker agreed. Mr. Parker stated he was concerned with the projected demand being based on curves from 20 year data. He said the results were over-estimating what would happen in the next five years. Mr. Parker advised his hope was 20 year data was not being used. He said there was a need to look at the projected climate change. Mr. Mount advised the methodology used did look at historical data. He said also several other things were factored in such as the impacts of more efficient appliances and rebate programs in place; adding Mr. Parker was correct, historic demand did fall short of many projections. Mr. Bacalao noted the focus was on the last 10 years of load forecast. Mr. Williams noted to move forward the task force would need to approve the methodology changes.

Mr. Dick Parker made a motion to change the renewable energy goals to 80 percent by 2027 and 100 percent by 2030. Motion died for lack of second.

Mr. Tom Jensen made a motion to approve the methodology changes provided by Siemens Industry, Inc. with a second by Ms. Kim Fallis. Motion passed unanimously.

Attachments: [Siemens Work Scope Redlined for Task Force 10-17-2019](#)

b) Review of Siemens Assumptions, Scenarios, and Questions for Task Force

Mr. Williams advised he had a power point with updated information from the information the task force had received previous to the meeting. He asked Mr. Mount to explain the assumptions and scenarios. Mr. Mount said the purpose of this

was to refresh the overview and to get input. He noted there were diagrams that had been made simpler. Mr. Mount started with the methodology saying the objectives were clear. He noted those as:

- Meet Greenhouse Gas (GHG) reduction targets
- Maintain or Increase reliability
- Choose least cost alternatives that meet GHG and reliability targets

He said the objectives had been expanded to come up with what was felt was wanted and doing in the most cost effective way. Mr. Mount explained the approach to the IRP and Transmission and Distribution (T&D) planning:

- Define planning objectives and assumptions
- Define initial load, Distributed Energy Resource (DER) and Electric Vehicles (EV) forecasts
- Long-term capacity expansion
- T&D reliability assessment
- Solution risk analysis

Mr. Mount noted T&D looked at supporting existing supply options, ongoing reliability, design system, and increased load. He added storage was considered as well. Mr. Mount said there were consistent results with DER, EV, and long-term capacity expansion. Mr. Parker asked what risks were reviewed. Mr. Mount said the risks reviewed were:

- future conditions
- the difference in economic conditions
- fuel cost
- technical costs

Ms. Hassani advised the task force would meet again before giving any direction. She then asked to go over the milestones for the task force. Mr. Mount suggested interactions with the task force not be limited. He noted the first thing would be to approve the objectives and assumptions. The plan would then be to come back with another recommendation to give more complete scenarios. Mr. Mount noted before the Christmas holiday would be optimal. He said the most important thing was to stay on schedule. Mr. Mount advised dates could be adjusted or even added. Mr. Coffin stated there was no December meeting scheduled and he felt the task force needed to meet in December. The task force agreed. Ms. Hassani requested a doodle poll be sent out to the task force for an additional November meeting date and a December meeting date.

Attachments: [CWL IRP Task Force Meeting 10-17-2019 - Draft](#)

c) Water & Light Advisory Board Request for a Task Force Update at November 11th Meeting

Mr. Williams advised the Water and Light Advisory Board (WLAB) would be holding an evening meeting on Monday, November 11, 2019 at 6:00 p.m. and would be held in the Council Chambers. He noted the WLAB was hoping for a task force

member to attend to provide an update on the Integrated Electric Resource and Master Plan. Mr. Jensen advised the hope would be for the Chair to attend. Ms. Hassani asked the task force if they agreed with the request. All agreed.

Attachments: [W&L Advisory Board meeting](#)

VI. OLD BUSINESS

None

VII. CHAIRMAN'S REPORT (INFORMATION)

None

VIII. GENERAL COMMENTS BY PUBLIC, MEMBERS AND STAFF

Mr. Jensen provided an update on the Prairie State Tour. He noted he and Mr. Hasheider had attended the tour and it was a very large group. He noted he felt the tour was very informative. Mr. Jensen asked the task force if they would be okay with him putting some information together to provide to Siemens. There was no objections from the task force.

IX. NEXT MEETING DATE - November 21, 2019

November 21, 2019

X. ADJOURNMENT

The meeting adjourned at 7:58 p.m.

Members of the public may attend any open meeting. For requests for accommodations related to disability, please call 573-874-CITY (573-874-2489) or email CITY@CoMo.gov. In order to assist staff in making the appropriate arrangements for your accommodation, please make your request as far in advance of the posted meeting date as possible.