



City of Columbia, Missouri

Meeting Minutes

Integrated Electric Resource and Master Plan Task Force

Thursday, September 23, 2021

5:30 PM

Regular

Joe Paul Crane Bldg

1514 Business Loop 70E

I. CALL TO ORDER

Mr. Hasheider called the meeting to order at 5:33 p.m.

Staff: Christian Johanningmeier, Power Production Superintendent; David Sorrell, Utilities Director; David Storvick, Engineering Manager; Brandon Renaud, Utility Service Manager; Todd McVicker, Utility Services Supervisor; Chris Kisch, Sr. Administrative Support Assistant

Public: John Conway, Citizen

Present: 10 - Philip Fracica, Thomas Jensen, Kim Fallis, Jay Hasheider, Gregg Coffin, Dick Parker, Alex Antal, Tom O'Connor, Thomas Rose and David Switzer

Absent: 2 - Detelina Marinova and Robin Wenneker

II. INTRODUCTIONS

No introductions were made.

III. APPROVAL OF AGENDA

Ms. Fallis requested for the Transmission topic be covered first as she would be leaving the meeting early. Mr. Hasheider asked to discuss room scheduling under the "Chairman's Reports".

The agenda was approved with changes with a motion by Mr. Dick Parker and a second by Mr. Gregg Coffin. Motion passed unanimously.

IV. APPROVAL OF MINUTES

Mr. Hasheider noted the Task Force members present at the August 26, 2021 meeting was missing in the minutes. It was noted this was a computer error and the names would be added.

The August 26, 2021 meeting minutes we approved with the change to add the Task Force members present with a motion by Mr. Dick Parker and a second by Mr. Alex Antal. Motion passed unanimously.

The September 1, 2021 meeting minutes were approved with changes with a motion by Mr. David Switzer and a second by Mr. Dick Parker. Motion passed

unanimously.

Attachments: [Meeting Minutes Draft 08 26 21](#)
[Meeting Minutes Draft 09 01 21](#)

V. NEW BUSINESS

Review of Report to Council

Mr. Hasheider explained he felt the main idea would be to go through the report from Siemens. He said he would like to understand what the Task Force recommendations were and hoped for them to be clear to Council. His idea was to provide a summary with highlights, agreements or disagreements with the Siemens report, and the Task Force recommendations.

Integrated Resource Plan

a) Load Forecasts & Existing Supply (Switzer)

Mr. Switzer explained Siemens created energy consumption and peak load forecasts for the years 2020 to 2040, noting both the system energy consumption and peak load are projected to grow over the next 20 years. EV charging is projected to account for approximately 1.2 percent of gross load by 2040. Mr. Switzer noted there were some agreements with the Siemens report recommendations and findings as well as disagreements, noting the lack of recommendations for future Demand Side Management and Energy Efficiency (DSM/EE) programs in particular. Mr. Switzer said he felt there should be a recommendation for Columbia Water and Light (CWL), Council, and the Water and Light Advisory Board (WLAB) to continue to pursue further research into what types of DSM/EE programs would be appropriate. Mr. Parker suggested including the Climate and Energy Commission (CEC). Mr. Hasheider suggested staff conduct an outside study on EE and the Value of Solar (VOS). Mr. Coffin recommended only a study be completed. Mr. Hasheider noted he wanted to see more EE opportunities.

Mr. Hasheider made a motion for Council to fund a study on potential DSM/EE programs with a second by Mr. Tom Jensen. Motion passed unanimously.

Mr. Switzer provided highlights from the Siemens report on existing generation and supply contracts. He noted Siemens had compared CWL's current Power Purchase Agreements (PPA's) with PPA options available on the market. It was noted the Task Force believe most of the information provided by Siemens to be accurate. It was also noted the report assumed the Sikeston coal PPA was going to be retired in 2030. This did not appear to be certain. CWL staff suggested 2030 would be the absolute earliest the Sikeston plant could retire. The Task Force recommendations were:

- CWL should not convert boiler #7 at the Municipal Power Plant (MPP) to Biomass consumption at this time
- CWL should not pursue upgrades of the Columbia Energy Center at this time
- CWL and the city of Columbia should perform a legal review of the coal PPA's to understand the options available to the utility to meet renewable obligation while under life of plant coal contracts
- CWL and the city should continue discussions on the future of CWL owned fossil fuel based generation assets

Mr. Dick Parker made a motion to approve the four recommendations of:

- **CWL should not convert boiler #7 at the Municipal Power Plant (MPP) to Biomass consumption at this time**
- **CWL should not pursue upgrades of the Columbia Energy Center at this time**
- **CWL and the city of Columbia should perform a legal review of the coal PPA's to understand the options available to the utility to meet renewable obligation while under life of plant coal contracts**
- **CWL and the city should continue discussions on the future of CWL owned fossil fuel based generation assets**

with a second by Mr. David Switzer. Motion passed unanimously.

b) Supply Options & Resource Plan (Hasheider)

Mr. Hasheider summarized Chapter Five that dealt with the Screening of Future Supply Options. He said there were eight different energy assets identified and costs determined. Mr. Hasheider advised there was no recommendation for this.

Chapter Six dealt with Resource Generation. Mr. Hasheider explained there were eight scenarios and each one is shaped by input values. He added the scenarios incorporated a distinct mix of economic and demographic inputs to formulate a predicted utility load over the next 20 years. Mr. Hasheider advised it was difficult for him to come up with the High/Medium/Low values that was suggested. Mr. Hasheider stated he felt a recommendation for this should be:

- for Council to consider options in the "Council Decision" and Council Influenced" columns and direct staff to compile a scenario based on recommended inputs
- for the Task Force to recommend the bolded selections in each of the shaded parameters of the report

Mr. Tom Jensen suggested the utility take all reasonable steps to be 100 percent renewable by 2030.

Mr. Dick Parker made a motion to recommend the utility be 100 percent renewable by the year 2030. Motion died for lack of second.

Mr. Philip Fracica amended the motion for the utility to take all reasonable steps to be 100 percent renewable by the year 2040. Motion died for lack of second.

Mr. Gregg Coffin made a motion for Council to pursue a revision or replace the Renewable Energy Ordinance for the utility to have a 100 percent Renewable Energy Portfolio by the earliest date possible with a second by Mr. David Switzer. Motion passed unanimously.

Mr. Parker made a motion to recommend a rapid achievement of DSM/EE and Distributed Energy parameters with a second by Mr. Alex Antal. Motion passed unanimously.

c) Value of Solar (Fracica)

Tabled.

d) AMI & Smart Grid (Antal)

Tabled.

Electric Master Plan

a) Spatial Load Forecast, Distribution Network (Coffin)

Tabled.

b) Transmission (Fallis)

Ms. Fallis stated there may be items not included as the report from Siemens was not received until today. She said she tried to go back to what was discussed at the Council meeting back in May 2021. She provided a summary explaining what was included and the years noted in the report. Ms. Fallis provided a review of the options for the transmission routes. It was noted “Revised Option A” was now “Option Z” and “Option NWA” was put in place of “Option Z”. There was some discussion on the confusion for Option Z. Mr. Antal suggested a footnote to provide any explanations. The Task Force discussed what they felt Council would like to see in their recommendations. Mr. Jensen noted he felt Council would want clean, clear options, and felt the Task Force should make some firm decisions. Mr. Sorrell noted at the last meeting Council member Karl Skala had stated three options should be presented. There was much discussion on Option W that

included the rebuilding of existing 69kV lines between Perche Creek substation and Hinkson Creek substation, and between Hinkson Creek substation and Grindstone substations.

Mr. David Switzer made a motion to recommend ‘Option W’ as the first recommendation by the Task Force with a second by Mr. Tom Jensen. Motion passed 7-2.

The Task Force went through the options, voting for the options each member supported. The votes were as follows:

- Option Z - 0 members support this option
- Option B2 - 6 members support this option
- Option E2 - 0 members support this option
- Option F - 7 members support this option
- Option W - 8 member support this option
- Option NWA - 2 members support this option
- Option of ‘Do Nothing’ - 7 members support this option

Mr. Dick Parker amended the motion to support ‘Option W’ as the first recommendation by the Task Force along with Option F, Option B2, and the Option of Do Nothing, the latter being in no particular order with a second by Mr. David Switzer. Motion passed unanimously.

c) Non-Wires Solution (O’Connor)

Mr. O’Connor explained Siemens did not provide much information for Non-Wires Solutions (NWS’s). He stated Siemens considered one configuration of a NWS, which was CWL financed, owned, and operated photovoltaic (PV) and battery system at Perche Creek. He said the Task Force agreed this particular NWS would be technically feasible, if not optimal. Mr. O’Connor noted the Task Force would have liked for more NWS’s to be considered, such as programs, policies, and technologies that complement and improve operation of existing transmission and distribution systems. He provided examples of how CWL had been successful in using NWS’s for many years as:

- Helped flatten usage for 15 years
- Deferred or eliminated the need for more wires
- Saved both the utility and the citizens money

Mr. O’Connor noted his recommendation was for the Task Force to recommend an increase in the use of NWS’s, particularly with regard to building codes, distributed solar and storage, and a rate structure that incentivizes efficiency and conservation throughout all customer classes. Mr.

Jensen noted that the NWS solution provided by Siemens assumed that someone would be able to take advantage of available tax credits, so that the solar field would likely be at PPA and not CWL owned and operated.

Mr. Philip Fracica made a motion to accept the recommendation of recommending an increase in the use of NWS's, particularly with regard to building codes, distributed solar and storage, and a rate structure that incentivizes efficiency and conservation throughout all customer classes with a second by Mr. Tom Jensen. Motion passed unanimously.

d) Capital Projects (Jensen)

Tabled.

Public Outreach Planning

The Task Force had a brief discussion on the Public Outreach meeting. It was decided the Task Force would not be prepared by October 14th. They felt it would be best to meet again prior to the Public Outreach. That date was set for October 7th with the Public Outreach tentatively set for October 28th provided room availability.

Attachments: [Task Force Draft Report v2](#)

VI. CHAIRMAN'S REPORTS

None.

VII. GENERAL COMMENTS BY PUBLIC, MEMBERS AND STAFF

Mr. Parker noted he felt Council should be reminded the United Nations (UN) expressed the need to cut gases and about the need to work on contributions. Mr. Jensen noted the Government was also cracking down on some specific solar panels made in China and there would likely be Tariffs put in place. Mr. Jensen noted these solar panels should be avoided, if possible.

VIII. NEXT MEETING DATE

October 7, 2021

IX. ADJOURNMENT

The meeting adjourned at 8:30 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.