



City of Columbia, Missouri

Meeting Minutes

Integrated Electric Resource and Master Plan Task Force

Monday, November 12, 2018

6:00 PM

Regular

701 E Broadway
Conference Rooms 1A
& 1B

I. CALL TO ORDER

Mr. Scott Fines called the meeting to order at 6:09 p.m.

Staff: Ryan Williams, Assistant City Utilities Director of Water & Light; Tad Johnsen, City Utilities Director; Sarah Talbert, Utility Financial Manager; Chris Kisch, Sr. Administrative Support Assistant

Present: 7 - Scott Bell, Thomas Hurley, Thomas Jensen, Scott Fines, Robert Hasheider, Dick Parker and Gregg Coffin

Absent: 7 - Philip Fracica, Rachel Hassani, Detelina Marinova, Kim Fallis, Robin Wenneker, Lincoln Brown and Carly Dibben

II. INTRODUCTIONS

No introductions, it was a small group.

III. APPROVAL OF AGENDA

The agenda was approved as submitted with a motion by Mr. Dick Parker and a second by Mr. Tom Jensen. Motion passed unanimously.

IV. APPROVAL OF MINUTES

The October 25, 2018 meeting minutes were approved as submitted with a motion by Mr. Dick Parker and a second by Mr. Tom Jensen. Motion passed unanimously.

Attachments: [Meeting Minutes Draft 10 25 18](#)

VIII. NEW BUSINESS

a) Review Previous Integrated Resource Plans (IRP)

Mr. Williams noted the Integrated Resource Plan (IRP) documents were large and could be found on the Integrated Electric Resource and Master Plan (IER&MP) Google site. Mr. Fines advised the 2008 IRP and the 2013 IRP Update had been received previously and all members should have paper copies. Mr. Williams provided the information to access the IER&MP Google site. Mr. Williams noted the 2013 IRP Update was not a full update. He said these plans were to serve as a guide

or as a snap shot of what was believed at that time. Mr. Williams added for both the 2008 and 2013 plans, additional capacity to serve the load would need to be assumed. He stated the 2013 Update had been separately commissioned but the City chose to use the same provider since they had all the information required. Mr. Williams said the 2008 IRP had numerous figures, charts, and graphs. He noted the integrated approach would be how to serve the load over the next five to ten years. Mr. Williams said Burns & McDonnell (B&M) came up with several different scenarios based on forecast and a mix of capacity resources. He noted the Demand and Energy forecast was significantly off. Mr. Williams said going into 2008, the recession had hit and the utility saw a load drop. He added it was mainly in the commercial/industrial areas. Mr. Williams noted the utility expected a rebound at some point adding the 2013 Update suggested the utility should be around 312 megawatts (MW) for 2018. Mr. Coffin verified with Mr. Williams the forecast came from the City. Mr. Williams advised the utility provided the forecast information. Mr. Jensen asked how well equipped the Consultant's understanding was and if they would meet with REDI. Mr. Williams stated REDI could be a good area as well as the Community Development department. Mr. Williams advised there were more challenging things that needed to be done adding a list of references would need to be gotten. He recommended narrowing the references down to maybe two or three then have the consultants come in to explain how to proceed. Mr. Williams explained a short list would need to be created. He said this would be used to get to know the team before price negotiations. Mr. Williams advised he did not feel the group would find one vendor to satisfy all aspects of the IRP but would hopefully serve as a good starting point. Mr. Jensen noted the actual plan covered approximately 70 percent of the wish list. He verified this was not a one shot deal, if items still needed answers the group could go further. Mr. Williams noted he was correct this was a guide only. Mr. Parker asked if the utility was able to give the number of customers served by each substation. Mr. Williams replied the utility could do that. Mr. Coffin asked if the load profile was mostly residential or industrial. Mr. Williams replied the majority was residential. He said there was off peak times for commercial/industrial customers as there was energy storage at night and they could take advantage of that during the daytime. Mr. Coffin asked if solar and storage energy would hold that. Ms. Talbert explained 3M had 82.57 load factor and all others were well below that. Mr. Williams said the generation resources were a mix, some the utility still had and some not. He noted Turbine 7 saying the utility had considered converting to biomass but had to consult with the consultants to see if that would work. Mr. Williams advised Turbine six and eight were both gas fired. Mr. Hasheider asked if wind contracts in Iowa would be on the next IRP. Mr. Williams replied yes. Mr. Hasheider stated the utility purchased wind to sell to MISO. He then asked if the same was true for Prairie State. Mr. Williams advised the utility would sell there and buy here. Mr. Parker asked about Iatan II. Mr. Williams said that was a little different. The utility had to purchase power. Mr. Parker referred to table ES-3 of the 2013 IRP Update. Mr. Williams stated each residential dwelling was required to be on its own meter. He

said apartments could ask to be removed or exempt but was required to have a special need such as a backup generator, solar, etc. to be conducive. Mr. Williams advised there were very few master metered but there were some with an internal metering system. Mr. Williams noted it was challenging to take the Demand Side Management (DSM) and make it work with the structure in place at the time. He added it was not very cost effective. Mr. Williams recommended a blended portfolio that recommended different things. Mr. Hasheider asked about Demand Load and the actual load to be metered. He said this needed margins. Mr. Williams noted MISO had capacity requirements to ensure there were enough resources to supply the load. Mr. Hasheider asked if there was a simple percentage. Mr. Williams advised it varied yearly but was normally at around two percent. Mr. Hasheider asked if that was monthly or annually. Mr. Williams replied annually. Mr. Fines asked if there were any specifics to see. Mr. Williams advised the group may want to view the Demand/Resource and how that would mix to meet demand. He noted not all the energy was needed all the time. Mr. Williams said the 2020 load duration curve and availability energy had a level where the load was not full. Mr. Fines asked how the chart was calculated. Mr. Williams replied with real data. Mr. Parker asked if the curve had changed in the last few years. Mr. Williams noted it had, saying it had leveled out and peak was not as high. Mr. Fines asked if there was an increase in base load. Mr. Williams stated base load was slowly increasing. Mr. Parker asked if that would be put into the calculations of projections. Mr. Williams replied it would but cautioned it would be difficult. Mr. Fines asked if this year came close. Mr. Williams noted 277 was the all-time peak. He said there were four or five days the temperature was above 100 degrees and did not fall below 80 degrees at night. Mr. Williams noted this had not been seen in a few years. Mr. Parker stated the curve was changing it was going up in the summer time. He said he was interested in seeing if the days showed that. Mr. Williams stated the next meeting for the group would be in January, 2019 and depending where the group was with the solicitation process there may be a need to form a sub-committee in order to have time to review the COS and Master Plan processes. He said he would work with Ms. Hassani to get the agenda to where the group should be.

i) 2008 IRP

Attachments: [2008 IRP Report Final](#)

ii) 2013 IRP Update

Attachments: [IRP Update 2013 Final Report \(1\)](#)

VII. OLD BUSINESS

None

IX. CHAIRMAN'S REPORT

None

X. GENERAL COMMENTS BY PUBLIC, MEMBERS AND STAFF

None

XII. NEXT MEETING DATE

January 24, 2019

XIII. ADJOURNMENT

The meeting adjourned at 8:09 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.