

In the Matter Of:

In Re: RMP - Sustainable Transportation and Energy Plan Act

HEARING PROCEEDINGS DOCKET NO. 16-035-36

April 18, 2017

Job Number: 348688

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BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH

In the Matter of the Application
of Rocky Mountain Power to Docket No. 16-035-36
Implement Programs Authorized
by the Sustainable Transportation
and Energy Plan Act

HEARING PROCEEDINGS

TAKEN AT: Public Service Commission
160 East 300 South, Room 403
Salt Lake City, Utah
DATE: Tuesday, April 18, 2017
TIME: 9:00 a.m.
REPORTER: Daren S. Bloxham, R.P.R.

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APPEARANCES

COMMISSIONERS:

Thad LeVar, Chairman
David Clark
Jordan A. White

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P-R-O-C-E-E-D-I-N-G-S

--oOo--

CHAIRMAN LEVAR: Good morning. We're here in Public Service Commission Docket No. 16-035-36 in the Matter of the Application of Rocky Mountain Power to Implement Programs Authorized by the Sustainable Transportation and Energy Plan Act. This is the hearing on Phase Two.

We'll take appearances starting with Utility.

MR. SOLANDER: Thank you, Chairman LeVar, Commissioners White, Clark. Daniel Solander, representing Rocky Mountain Power. I have with me at counsel table Steve McDougal, Director of Revenue Requirements. And the company intends to call Douglas Marx, Ian Andrews, and Rob Stewart as its witnesses.

CHAIRMAN LEVAR: Thank you.

MR. JETTER: Good morning. I'm Justin Jetter with the Utah Attorney General's Office. I'm here today representing the Utah Division of Public Utilities. With me at counsel table is Division witness Robert A. Davis, and the Division also intends to call witness Myunghee Sim Tuttle.

CHAIRMAN LEVAR: Thank you.

MR. MOORE: Robert Moore of the AG's Office representing the Office of Consumer Services. I have

1 with me here two utility analysts from the Office,
2 Gavin Mangelson and Danny Garcia -- Martinez.

3 CHAIRMAN LEVAR: Thank you.

4 MS. HAYES: Good morning. Sophie Hayes with
5 Utah Clean Energy. With me at counsel table is
6 Ms. Kate Bowman. She's our only witness today.

7 CHAIRMAN LEVAR: Thank you. Any other
8 preliminary matters? We'll go ahead to Mr. Solander?

9 MR. SOLANDER: Thank you. Rocky Mountain
10 Power appreciates being able to present today on Phase
11 Two of our Application to Implement Programs Authorized
12 by the STEP legislation.

13 Our first witness that we'll be calling is
14 Douglas Marx. He will be testifying in support of the
15 Advanced Substation Metering Program.

16 --oOo--

17 DOUGLAS MARX,

18 having been first duly sworn to tell the
19 truth, was examined and testified as follows:

20 DIRECT EXAMINATION

21 BY MR. SOLANDER:

22 Q. Good morning, Mr. Marx.

23 A. Hi.

24 Q. Could you please state your name and your
25 current position with Rocky Mountain Power for the

1 **record.**

2 A. I'm Douglas Marx. I'm the director of
3 standards and technical services in the engineering
4 department.

5 **Q. And did you prepare and cause to be filed in**
6 **this proceeding direct testimony supporting the**
7 **Advanced Substation Metering Program?**

8 A. Yes, I did.

9 **Q. And do you have any additions or corrections**
10 **to that testimony you'd like to make at this time?**

11 A. No, I do not.

12 **Q. Have you prepared a summary of that testimony**
13 **you'd like to share with the Commission this morning?**

14 A. Yes.

15 As the energy sector moves towards
16 distributed renewable generation, more advanced data
17 will be needed about the distribution systems to enable
18 us to more readily connect these generation sources.

19 This project will provide the information
20 necessary for distribution circuits without sufficient
21 metering to provide for the development of a
22 progressive electric grid and for the integration of
23 distributed generation resources in those areas.

24 The Advanced Substation Metering Project, if
25 authorized, will enable the Company to purchase and

1 install advanced meters on approximately 50 circuits
2 connected to distribution substations that do not have
3 these capabilities.

4 These installations will provide greater
5 visibility into the distribution system and the
6 integration of distributed generation resources in
7 those areas. The Company is proposing a budget of \$1.1
8 million for this project.

9 The substation monitoring and measurement of
10 various electrical quantities will provide the
11 information necessary for the development of a more
12 progressive electric grid, in particular for faster
13 integration of distributed generation resources.

14 Data collection and analysis at the
15 distribution level will be of paramount importance as
16 the company continues to integrate the rapid growth of
17 distributed energy resources into its system.

18 In addition to providing a greater
19 understanding of solutions that will allow the Company
20 to make the grid more progressive, the project will
21 enable increased levels of distributed energy resources
22 on the power grid by providing more visibility into
23 loading levels, load shape and the event information
24 needed to develop the interconnection studies and
25 determine hosting capacities for distribution circuits.

1 This information will benefit distributed
2 generation applicants and assist the Company in
3 determining safe switching procedures, cost-effective
4 capital improvement plans, and help identify and
5 control risks associated with the integration of higher
6 penetration levels of distributed energy resources.

7 The management of distributed resources is a
8 critical issue that the Company needs to gain as much
9 information in order to protect the system and our
10 customers. This concludes my summary.

11 **Q. Thank you.**

12 MR. SOLANDER: I'd move that Mr. Marx's
13 testimony and exhibits as filed be entered into the
14 record.

15 CHAIRMAN LEVAR: If anyone objects to that
16 motion, please indicate to me. I'm not seeing any, so
17 the motion is granted.

18 MR. SOLANDER: Thank you. Mr. Marx is
19 available for cross-examination or questions from the
20 Commission.

21 CHAIRMAN LEVAR: Thank you. Mr. Jetter?

22 MR. JETTER: No questions from the Division.
23 Thank you.

24 CHAIRMAN LEVAR: Mr. Moore?

25 MR. MOORE: No cross.

1 CHAIRMAN LEVAR: Ms. Hayes?

2 MS. HAYES: No questions. Thank you.

3 CHAIRMAN LEVAR: Commissioner Clark?

4 COMMISSIONER CLARK: Just a couple of
5 questions. Thank you, Mr. Marx.

6 Clearly this -- at least it's hoped that this
7 program will generate some important information. And
8 I know there's interest in that information, and it's
9 been expressed by participants -- participants in the
10 docket.

11 Is there agreement and consensus around how
12 the information will be shared and to whom it -- yeah,
13 it will be shared with?

14 THE WITNESS: That's a great question. I
15 don't know if there's any agreements outside of the
16 company. It will be just a standard data that we
17 gather for other circuits.

18 I mean, we have this capability on a lot of
19 our substations. But most of our rural substations
20 don't have this. That's what we're seeing the issues
21 with large scale solar installations coming in that
22 impact our system. So as far as agreements for sharing
23 data, I'm not aware of any outside.

24 COMMISSIONER CLARK: Is this the kind of
25 information that's typically available to customers or

1 other industry participants if they seek it from the
2 company?

3 THE WITNESS: Yeah. If they put in the
4 proper request, it is available.

5 COMMISSIONER CLARK: Thank you. Those are
6 all my questions.

7 THE WITNESS: Okay.

8 CHAIRMAN LEVAR: Commissioner White, do you
9 have anything?

10 COMMISSIONER WHITE: The one question -- I
11 guess this will probably be a recurring thing about
12 some of the issues presented where there was a question
13 about reporting. I think it was addressed initially by
14 the Office. I guess there was, you know, some response
15 to that.

16 Is there any further clarification that the
17 company needs or the party needs in terms of what type
18 of reporting is appropriate for -- again, this is
19 something we'll probably be addressing with some of the
20 other things, but specifically the Advanced Substation
21 Metering Program?

22 THE WITNESS: Yeah, I'm not aware of any
23 additional reporting that's required on this other than
24 what's been discussed.

25 COMMISSIONER WHITE: Okay. So just to be

1 clear then, the reporting -- the company is clear on
2 what type of reporting, and there's not really an issue
3 with what has been requested by the Office of the
4 Division in their testimony?

5 THE WITNESS: Correct.

6 COMMISSIONER WHITE: Okay. That's all the
7 questions I have. Thank you.

8 CHAIRMAN LEVAR: I don't have anything else.

9 MR. SOLANDER: If I might redirect on this
10 point?

11 CHAIRMAN LEVAR: Sure.

12 REDIRECT EXAMINATION

13 BY MR. SOLANDER:

14 Q. When the company provides this information,
15 it provides it as an aggregated set and data and
16 doesn't provide individual customer information
17 relating to loading on the circuit or kind of
18 identifiable information that will relate to a specific
19 customer; is that right?

20 A. That's correct. The data this metering will
21 obtain is for the circuit, not for any individual
22 customer on that circuit. You're right.

23 MR. SOLANDER: Thank you.

24 CHAIRMAN LEVAR: Thank you, Mr. Marx.

25 (A discussion was had off the record.)

1 MR. SOLANDER: Thank you. Rocky Mountain
2 Power would like to call Mr. Ian Andrews in support of
3 the STEP Clean Coal Research Projects.

4 --oOo--

5 IAN ANDREWS,
6 having been first duly sworn to tell the
7 truth, was examined and testified as follows:

8 DIRECT EXAMINATION

9 BY MR. SOLANDER:

10 Q. Good morning.

11 A. Good morning.

12 Q. Could you please state your name and your
13 current position with Rocky Mountain Power for the
14 record?

15 A. My name is Ian Andrews. I'm the director of
16 resource development.

17 Q. And did you prepare and cause to be filed in
18 this docket direct testimony in support of Clean Coal
19 Research Projects before the Commission here in STEP
20 Two, Phase Two?

21 A. I did.

22 Q. And do you have any additions or corrections
23 to that testimony that you'd like to make at this time?

24 A. I don't.

25 MR. SOLANDER: I move now that Mr. Andrews'

1 testimony and the exhibits in support be entered into
2 the record.

3 CHAIRMAN LEVAR: If anyone objects to that
4 motion, please indicate to me. Not seeing any, so the
5 motion is granted.

6 MR. SOLANDER: Thank you.

7 **Q. Have you prepared a summary of your testimony**
8 **that you'd like to share with the Commission?**

9 A. I do have a summary, yes.

10 **Q. Thank you. Please proceed.**

11 A. As part of the overall STEP legislation, the
12 company is requesting approval to apply \$5 million in
13 STEP funding over a five-year period to investigate,
14 analyze, and research clean coal technology.

15 Clean coal technology is defined as a
16 technology that may be researched, developed, or used
17 for reducing emissions for the rate of emissions from a
18 thermal electric generation plant that uses coal as a
19 fuel source.

20 To meet that objective, the company proposed
21 to allocate these funds across a number of projects
22 that focus on the capture, reduction, and sequestration
23 of carbon dioxide and the reduction of nitrogen oxides.

24 Previously the company presented two
25 projects. These were for the implementation of a

1 neural net system at the Huntington plant and the
2 potential demonstration of a NOx control technologies
3 at either Hunter or Huntington plants. These projects
4 were approved by this Commission, and that work is
5 currently in progress.

6 The five Clean Coal Research Projects that
7 are proposed for the remaining funds are -- I'll
8 describe each of these shortly. The first is a coal
9 firing of processed woody wastes consisting of two
10 18-hour tests at Hunter 3 boiler using woody waste
11 processed by two Utah firms, Amaron Energy and AEG
12 CoalSwitch.

13 The target heat input is 10 percent, and the
14 primary objective of this test is to determine if these
15 processed fuels behave as drop-in replacements for
16 coal. The proposed funding level is \$790,000.

17 The second project is to co-fund a long-term
18 availability test of sustainable energy solution CO2
19 cryogenic carbon capture technology at the Hunter
20 plant. The proposed project will consist of modifying
21 the test skid and performing a series of long-term
22 operational tests.

23 Demonstrating the reliability of this
24 technology is the critical next step in order to secure
25 funding to scale up this promising technology to a 5 to

1 10 megawatt thermal electric equivalent. The proposed
2 funding level is \$1.1 million.

3 The third project is to co-fund the
4 University of Utah's feasibility assessment of
5 commercial scale CO2 geologic sequestration facility
6 adjacent to the Hunter and Huntington plants.

7 The ability to locate -- identify locations
8 that are suitable for commercial scale CO2 geologic
9 sequestration is a critical issue that must be
10 addressed to reduce the carbon footprint of coal-fired
11 generating stations.

12 This project is called Carbon Safe by the
13 U.S. Department of Energy. This Phase One effort is
14 the first of four phases of USDO funding opportunities.
15 The University of Utah has been awarded \$1.2 million by
16 the USDOE towards this first phase. The proposed
17 amount of STEP funding is \$150,000.

18 The fourth project is a feasibility study to
19 evaluate the use of CO2 for a beneficial use for
20 enhanced natural gas recovery from coal seams,
21 specifically coal seams in the Emery County area.

22 CO2 has the potential to be used for
23 enhancing natural gas recovery from coal beds in much
24 the same way carbon dioxide is currently used for
25 enhanced oil recovery.

1 As part of this study, an assessment will be
2 made of the capability of these coal seams to
3 concurrently sequester CO2. The proposed funding level
4 is \$275,000.

5 And, lastly, the fifth project is the
6 evaluation of the potential for integrating solar
7 thermal heat recovery system to provide steam for
8 feedwater heating to the Hunter 3 boiler. The study
9 would be specific to the Hunter plant, taking into
10 account site-specific installation performance and land
11 availability. The proposed funding level is \$187,000.

12 These five projects were presented at
13 technical conferences held on November 7, 2016, and
14 January 24, 2017. This concludes my testimony summary.

15 MR. SOLANDER: Thank you. Mr. Ian Andrews is
16 available for questioning from the Commission or
17 cross-examination.

18 CHAIRMAN LEVAR: Thank you. Mr. Jetter?

19 MR. JETTER: I have no questions. Thank you.

20 CHAIRMAN LEVAR: Mr. Moore?

21 MR. MOORE: No questions. Thank you.

22 CHAIRMAN LEVAR: Ms. Hayes?

23 MS. HAYES: No questions. Thank you.

24 CHAIRMAN LEVAR: Thank you. Commissioner
25 White?

1 COMMISSIONER WHITE: I'll just ask you and
2 you can defer. This may be a question for Mr. McDougal
3 because it was either addressed or not addressed in his
4 rebuttal testimony.

5 The question is there was a -- with respect
6 to the cryogenic carbon capture, there was a question
7 of whether there would be kind of a pause, I guess, in
8 the funding between Phase One and Phase Two.

9 And there was some discussion in
10 Mr. McDougal's rebuttal testimony about essentially the
11 need for -- because of the funding partners, the DOE,
12 etc., that that would be problematic.

13 I noticed in the carbon capture and sequester
14 program, there's also phases to that program. Is there
15 that same concern about breaking those up, in other
16 words, taking a pause and evaluating before the funding
17 continues because they're the same funding partners?

18 THE WITNESS: We've not made any obligations
19 or commitments to the SCS for any Phase Two funding for
20 their proposed program.

21 COMMISSIONER WHITE: So that's for the
22 carbon?

23 THE WITNESS: For the cryogenic capture.

24 COMMISSIONER WHITE: There's that same
25 concern?

1 THE WITNESS: Yes.

2 COMMISSIONER WHITE: That's all I've got.

3 CHAIRMAN LEVAR: Commissioner Clark?

4 COMMISSIONER CLARK: Just to follow up on
5 that line of questioning, so is there a potential
6 problem or impediment if the project is only initially
7 funded through Phase One and then further funding
8 evaluated at that point after the Phase One results are
9 available, or if that creates problems for other
10 participants, what -- what are those problems?

11 THE WITNESS: Well, the intent of Phase One
12 is to demonstrate long-term availability with the test.
13 They have done -- we have used this test skid at a
14 couple of other facilities, but the tests have been
15 very short term.

16 We have to demonstrate long-term availability
17 in order to secure DOE funding. So this is kind of a
18 critical next step to demonstrate this long-term
19 availability.

20 So it -- the results of this -- this Phase
21 One effort will have an impact on Phase Two. The
22 expectation is that this will -- this will operate over
23 a long period of time.

24 COMMISSIONER CLARK: And what would -- what
25 would happen with the Phase Two funding if the

1 expectation is not met and -- and --

2 THE WITNESS: I don't know to what extent DOE
3 has any commitments at this time for long-term funding
4 for that Phase Two effort.

5 MR. SOLANDER: Commissioner Clark, if I can
6 represent, Mr. Stewart will address this when he's
7 called as a witness.

8 COMMISSIONER CLARK: Thank you. That
9 concludes my questions. Thank you.

10 CHAIRMAN LEVAR: I don't have any questions
11 for Mr. Andrews. Thank you.

12 MR. SOLANDER: Thank you. Rocky Mountain
13 Power's third witness will be Mr. F. Robert Stewart in
14 support of the Commercial Line Extension Program.

15 --oOo--

16 F. ROBERT STEWART,
17 having been first duly sworn to tell the
18 truth, was examined and testified as follows:

19 DIRECT EXAMINATION

20 BY MR. SOLANDER:

21 Q. Good morning. Could you please state your
22 name and your current position with Rocky Mountain
23 Power for the record?

24 A. My name is F. Robert Stewart. My present
25 position is senior regulatory specialist, customer and

1 regulatory liaison department in the regulation.

2 Q. And as part of your duties, is that -- in
3 that position, did you prepare and cause to be filed in
4 this docket testimony?

5 A. Yes.

6 Q. And do you have any corrections or additions
7 to that testimony that you'd like to make at this time?

8 A. No.

9 Q. And have you also prepared a summary that
10 you'd like to share with the Commission?

11 A. Yes, I have. My testimony explains and
12 provides support for the proposed Commercial Line
13 Extension Pilot Program. The company is requesting
14 authorization from the Commission to spend \$2.5 million
15 of STEP funds over five years for the line extension
16 pilot pursuant to the legislation.

17 This pilot includes a new tariff, Regulation
18 No. 13. The proposed Regulation 13 provides an
19 allowance of 20 percent of the cost of backbone
20 electrical infrastructure within nonresidential or
21 commercial developments that the developer would
22 otherwise pay.

23 A development is an area where groups of
24 buildings may be constructed at or about the same time.
25 Backbone is the primary voltage line which distributes

1 power to and throughout the development to which future
2 buildings are connected.

3 The current tariff, Line Extension Regulation
4 12, provides an allowance to commercial buildings but
5 not to commercial developments. It is up to the
6 commercial development -- developer to request and pay
7 for the installation of the backbone at their own
8 expense.

9 It is a growing trend for these developers to
10 not request installation of backbone. The result is
11 the backbone is installed in a piecemeal fashion as
12 individual commercial buildings are constructed.

13 Piecemeal installations are more expensive
14 and problematic due to multiple mobilizations, lack of
15 an overall design, lack of loop feed reliability until
16 the development is filled in, greater difficulty of
17 installation after surface improvements have been
18 completed, and lack of coordination with those
19 utilities that the municipalities requires to be
20 installed up front.

21 This lack of coordination results in space
22 conflicts, insufficient clearance in dedicated
23 easements, conflicts increased difficulty of
24 construction, and risk of damage in excavating around
25 existing facilities. For these reasons, the company is

1 proposing this innovative utility program in the
2 interest of our utility customers.

3 MR. SOLANDER: Does that conclude your
4 summary?

5 THE WITNESS: Yes.

6 MR. SOLANDER: Thank you. I'd ask at this
7 time that Mr. Stewart's testimony and exhibits be
8 entered into the record.

9 CHAIRMAN LEVAR: Please indicate to me if
10 anybody objects to that motion? Not seeing any, so the
11 motion is granted.

12 MR. SOLANDER: Thank you. Mr. Stewart is
13 available for cross-examination or questions from the
14 Commission.

15 CHAIRMAN LEVAR: Thank you. Mr. Jetter?

16 MR. JETTER: I have no questions, thank you.

17 CHAIRMAN LEVAR: Mr. Moore?

18 MR. MOORE: The Office has no questions.

19 CHAIRMAN LEVAR: Thank you. Ms. Hayes?

20 MS. HAYES: No questions. Thank you.

21 CHAIRMAN LEVAR: Thank you. Commissioner
22 Clark?

23 COMMISSIONER CLARK: No questions.

24 CHAIRMAN LEVAR: Commissioner White?

25 COMMISSIONER WHITE: I have no questions.

1 Thank you.

2 CHAIRMAN LEVAR: I don't either. Thank you.

3 MR. SOLANDER: For its final witness, Rocky
4 Mountain Power would like to call Mr. Steve McDougal.

5 --oOo--

6 STEVEN R. MCDUGAL,
7 having been first duly sworn to tell the
8 truth, was examined and testified as follows:

9 DIRECT EXAMINATION

10 BY MR. SOLANDER:

11 Q. Good morning. Would you please state your
12 name and current position with Rocky Mountain Power for
13 the record?

14 A. Yes. My name is Steven R. McDougal. I am
15 the director of revenue requirement.

16 Q. And as director of revenue requirement, did
17 you prepare and cause to be filed rebuttal testimony
18 that's before the Commission in Phase Two of this
19 docket?

20 A. Yes.

21 Q. And do you have any corrections or additions
22 to that testimony that you'd like to make at this time?

23 A. No.

24 Q. And did you prepare a summary?

25 A. Yes.

1 **Q. Would you please proceed?**

2 A. Are you going to move for admission?

3 **Q. I'll do it after.**

4 A. Okay. My rebuttal testimony in Phase Two of
5 this docket addresses the following issues. First, the
6 STEP funding limits. The company will commit to not
7 charge more to the STEP project than authorized in the
8 legislation.

9 Any ongoing O&M occurring after the
10 conclusion of the STEP surcharge will be included in
11 future rate cases, and the company will justify the
12 ongoing level similar to all other O&M expenses.

13 Two, the Clean Coal Project. The company is
14 seeking funds for Phase One of the project. To clarify
15 a point and to try and answer some of the questions
16 that I know are going to come up, it may not have been
17 clear in my rebuttal testimony, but we are only seeking
18 recovery of Phase One costs at this time. We are not
19 seeking funding for Phase Two.

20 If the company proceeds with Phase Two prior
21 to getting approval, the company would need to support
22 the prudence of its decision in a future proceeding,
23 similar to any other investment the company makes.

24 Three, on the commercial line extension
25 program, the company will provide annual reports

1 detailing how the incentives are being used each year
2 of the pilot program, and the company will work
3 informally with the regulatory agencies and other -- on
4 other information needs regarding the line extension
5 program. The company also agreed to modify the
6 Regulation No. 13 language as stated in my rebuttal
7 testimony.

8 And, lastly, on confidential information, the
9 company believes that sharing information from STEP
10 programs will allow parties to work together on future
11 projects that support grid modernization and future
12 innovative technology programs. However, the company
13 does not want to have any type of annual reporting that
14 distributes confidential customer information.

15 As supported in the company's application in
16 this docket and the testimony of the company witnesses,
17 the company recommends that the Commission find that
18 the Phase Two programs are prudent and consistent with
19 the STEP legislation. And the company respectfully
20 requests that the Commission approve all issues under
21 consideration in Phase Two of this docket. Thank you.
22 That concludes my testimony.

23 MR. SOLANDER: Thank you. I would move at
24 this time that Mr. McDougal's rebuttal testimony be
25 entered into the record.

1 CHAIRMAN LEVAR: If any party objects to that
2 motion, please indicate to me. Not seeing any, so the
3 motion is granted. Thank you.

4 MR. SOLANDER: Thank you. Mr. McDougal is
5 available for any questions from the Commission or
6 parties.

7 CHAIRMAN LEVAR: Mr. Jetter?

8 MR. JETTER: I have no questions.

9 CHAIRMAN LEVAR: Mr. Moore?

10 MR. MOORE: The Office has no questions.
11 Thank you.

12 CHAIRMAN LEVAR: Okay. Ms. Hayes?

13 MS. HAYES: No questions. Thank you.

14 CHAIRMAN LEVAR: Commissioner White?

15 COMMISSIONER WHITE: I appreciate it. Just
16 so I make sure I heard you correctly, that
17 clarification regarding the additional phase would be
18 addressed in some other filing or docket or proceeding
19 beyond this and there's no request for approval of that
20 at this juncture?

21 THE WITNESS: Correct. We are not requesting
22 funding. We would either have to request funding in a
23 separate docket or just go through prudence like we
24 would any other capital expenditure in a future
25 proceeding.

1 COMMISSIONER WHITE: Is there any -- again,
2 not -- the issue of DOE or the funding partners,
3 there's nothing that you need at this juncture to give
4 signals otherwise, that will be a completely different
5 issue?

6 THE WITNESS: Correct.

7 COMMISSIONER WHITE: Okay. That's all I've
8 got. Thank you.

9 CHAIRMAN LEVAR: Commissioner Clark?

10 COMMISSIONER CLARK: Mr. McDougal, thank you
11 for your clarification about reporting relative to the
12 Commercial Line Extension Program. That addressed the
13 questions I had for you on that program, so I don't
14 have anything further. Thank you, Mr. Chair.

15 CHAIRMAN LEVAR: And I don't have any further
16 requests. Thank you, Mr. McDougal.

17 MR. SOLANDER: That concludes Rocky Mountain
18 Power's case today.

19 CHAIRMAN LEVAR: Okay. Thank you.
20 Mr. Jetter?

21 MR. JETTER: The Division would like to call
22 and have sworn in its first witness, Mr. Robert Davis.

23 --oOo--

24 ROBERT DAVIS,

25 having been first duly sworn to tell the

1 truth, was examined and testified as follows:

2 DIRECT EXAMINATION

3 BY MR. JETTER:

4 Q. Good morning, Mr. Davis.

5 A. Good morning.

6 Q. Would you please state your name and
7 occupation for the record.

8 A. Robert A. Davis. I'm a utility analyst for
9 the Division of Public Utilities.

10 Q. Thank you. And in the course of this docket,
11 there's a number of phases going on, so I'm going to be
12 a little more specific than I typically would in
13 identifying your testimony.

14 But is it correct that you submitted both
15 direct and surrebuttal testimony, direct being
16 Phase Two direct dated March 7, 2017, and the
17 surrebuttal in Phase Two dated April 11, 2017?

18 A. That's correct.

19 Q. Do you have any corrections or edits you'd
20 like to make to those?

21 A. I do. Just one. On my direct testimony on
22 line 267, I had written in there that it was approval
23 of \$1.745 million. That should have been
24 \$1.175 million.

25 Q. Okay. And with that change, if you are asked

1 the questions in both of those pre-filed testimonies
2 today, would your answers be the same?

3 A. Yes.

4 Q. Thank you. And have you prepared a brief
5 statement to read into the record of the Division's
6 position?

7 A. I have.

8 Q. Please go ahead.

9 A. Good morning. The Division has reviewed the
10 company's application for implementation of the
11 remaining STEP programs as outlined in the Commission's
12 Phase Two scheduling order in this docket. The parties
13 stipulated to add a Phase Three to the proceeding for
14 the Electric Vehicle Program, which is scheduled to be
15 heard later in May of this year.

16 The Division finds the company's application
17 and remaining STEP programs, excluding the Electric
18 Vehicle Program, to be in the public interest. The
19 Division believes the company should follow the same
20 accounting treatment and reporting guidelines for the
21 programs in this phase as those ordered by the
22 Commission in Phase One of this docket.

23 Additionally, the Division recommends the
24 company be held accountable to report its progress and
25 actual expenditures on the Phase Two programs. The

1 Division will audit and track the STEP initiatives
2 proposed in this phase case concurrently with those in
3 Phase One.

4 The Division understands, as ordered by the
5 Commission in Phase One of this proceeding, that
6 program related operational, maintenance,
7 administrative and general or OMAG expenses will be
8 included within the STEP budgets throughout the five
9 year pilot.

10 However, the Division understands that some
11 OMAG expenses are difficult to estimate over the five
12 year pilot. For these OMAG expenses and those expenses
13 that may occur after the STEP pilot for programs deemed
14 to continue in the public interest, the company will
15 need to seek recovery in a future rate case. The
16 company is committed to the reporting and tracking of
17 the OMAG expenses.

18 The Division recommends this approval be
19 conditional upon the accounting treatment, reporting
20 requirements, and treatment of OMAG expenses as
21 previously stated.

22 Specifically, the Division recommends
23 approval of the Advanced Substation Metering Program,
24 and approval of the remaining clean coal technology
25 programs: CO2 Woody Waste, cryogenic carbon capture,

1 carbon capture and sequestration, coal bed methane
2 recovery, and solar thermal recovery technology.

3 The Division's second witness in this phase
4 of the proceeding, Ms. Myunghee Tuttle, will testify on
5 the Commercial Line Extension Program. Thank you.
6 That concludes my summary.

7 Q. Thank you. And I want to ask you just a
8 follow-up clarifying question. You had mentioned the
9 Electric Vehicle Program.

10 Is it fair to say that your opinion on that
11 today is just neutral, that we're not presenting an
12 opinion either way, just that you're not recommending
13 approval today?

14 A. That's correct.

15 MR. JETTER: Okay. I have no further
16 questions. I would like to move at this time to enter
17 the direct and surrebuttal testimony that I had
18 identified earlier of Mr. Davis into the record.

19 CHAIRMAN LEVAR: If any party objects to that
20 motion, please indicate to me. Not seeing any, the
21 motion is granted. Thank you.

22 MR. JETTER: Thank you. I have no further
23 questions, and Mr. Davis is available for cross or
24 questions from the Commission.

25 CHAIRMAN LEVAR: Thank you. Mr. Moore?

1 MR. MOORE: No questions. Thank you.

2 CHAIRMAN LEVAR: Ms. Hayes?

3 MS. HAYES: No questions. Thank you.

4 CHAIRMAN LEVAR: Mr. Solander?

5 MR. SOLANDER: No questions. Thank you.

6 CHAIRMAN LEVAR: Commissioner White?

7 COMMISSIONER WHITE: I have no questions.

8 Thank you.

9 CHAIRMAN LEVAR: Commissioner Clark?

10 COMMISSIONER CLARK: No questions.

11 CHAIRMAN LEVAR: Mr. Davis, just as a
12 clarification, is your recommendation that the
13 Commission should in its order -- you're recommending
14 that we should approve the programs.

15 Are you recommending that we should outline
16 reporting requirements specifically, or is it your
17 testimony that there's a general understanding of the
18 type of reporting requirements that should be in place?

19 THE WITNESS: I think there's a general
20 understanding. The parties haven't really discussed
21 the format or anything like that, but I think it's
22 already clear.

23 CHAIRMAN LEVAR: Okay. Consistent with
24 what's in your testimony regarding what the Division
25 would like to see reported?

1 THE WITNESS: Yes.

2 CHAIRMAN LEVAR: Okay. Thank you. I don't
3 have any further questions.

4 COMMISSIONER WHITE: Sorry. I have one.

5 I guess just following up on what Chair LeVar
6 was asking, there's been discussion of potential
7 workshops. Is that something also that the Division
8 plans to collaborate with the stakeholders to, you
9 know, figure out the correct format how those will
10 apply, or is there any agreement on those?

11 THE WITNESS: I don't know if -- hasn't
12 really been discussed in detail. But that's the
13 assumption moving forward. Just don't have the detail
14 on how that's to move forward.

15 COMMISSIONER WHITE: Okay. That's all the
16 questions I have. Thank you.

17 CHAIRMAN LEVAR: Do you have anything else?
18 Thank you, Mr. Davis.

19 MR. JETTER: The Division would like to call
20 its second witness, Myunghee Tuttle.

21 --oOo--

22 MYUNGHEE TUTTLE,

23 having been first duly sworn to tell the
24 truth, was examined and testified as follows:

25 DIRECT EXAMINATION

1 BY MR. JETTER:

2 Q. Good morning, Ms. Tuttle.

3 A. Good morning.

4 Q. Would you please state your name. And I'd
5 like you to spell it for the court reporter also this
6 morning.

7 A. Yes. My name is Myunghee Sim Tuttle.

8 M-Y-U-N-G-H-E-E, S-I-M, T-U-T-T-L-E.

9 Q. Thank you. And what is your occupation?

10 A. I'm a utility analyst for the Division of
11 Public Utilities.

12 Q. Thank you. And in the course of your
13 employment with the Division of Public Utilities, did
14 you create and file with the Commission a direct
15 testimony -- pre-filed direct testimony dated March 7,
16 2017?

17 A. Yes.

18 Q. Do you have any corrections or edits you'd
19 like to make to that?

20 A. No, I do not.

21 Q. Thank you. If you were asked the same
22 questions that were in that pre-filed testimony today,
23 would your answers be the same?

24 A. Yes.

25 Q. And have you prepared a brief summary of your

1 **testimony?**

2 A. Yes.

3 **Q. Please go ahead.**

4 A. The Division has evaluated the company's
5 proposed Commercial Line Extension Pilot Program as
6 outlined in the Commission's Phase Two Scheduling Order
7 in the STEP docket. The Division finds the Commercial
8 Line Extension Pilot Program to be in the public
9 interest and recommends that the Commission approve the
10 Commercial Line Extension Pilot Program.

11 In addition to the recommendation of
12 approving the Commercial Line Extension Pilot Program,
13 the Division requests that the Commission require the
14 company to include an analysis quantifying the benefits
15 of the Line Extension Program in its overall STEP
16 report.

17 Second, the Division recommends that the
18 Commission order the company to provide annual reports
19 showing how the incentives from Regulation 13 are being
20 used in each of the respective five years of the pilot.
21 The Division will audit and review the Commercial Line
22 Extension Pilot Program with the reports provided by
23 the company. This concludes my summary.

24 **Q. Thank you.**

25 MR. JETTER: I'd like to move at this time to

1 enter Ms. Tuttle's direct testimony into the record.

2 CHAIRMAN LEVAR: Thank you. If any party
3 objects to that motion, please indicate to me. The
4 motion is granted.

5 MR. JETTER: Thank you. I have no further
6 questions, and the witness is available for questions
7 from the other parties or Commission.

8 CHAIRMAN LEVAR: Thank you. Mr. Moore?

9 MR. MOORE: No questions. Thank you.

10 CHAIRMAN LEVAR: No questions?

11 MR. MOORE: No questions.

12 CHAIRMAN LEVAR: Ms. Hayes?

13 MS. HAYES: No questions. Thank you.

14 CHAIRMAN LEVAR: Mr. Solander?

15 MR. SOLANDER: No questions. Thank you.

16 CHAIRMAN LEVAR: Commissioner Clark?

17 COMMISSIONER CLARK: Good morning,

18 Ms. Tuttle.

19 THE WITNESS: Good morning.

20 COMMISSIONER CLARK: Are you satisfied having
21 reviewed the -- the responsive testimony of the company
22 that the information that the Division will require to
23 properly evaluate the performance of the program will
24 be available at least as they represented that they
25 will make it available to you?

1 THE WITNESS: Yes. The Division, we've -- we
2 feel that with this information that we'll be able to
3 review the program and see if the program will be
4 effective. Yes.

5 COMMISSIONER CLARK: Thank you. That
6 concludes my questions.

7 CHAIRMAN LEVAR: Commissioner White?

8 COMMISSIONER WHITE: I have no questions.
9 Thanks.

10 CHAIRMAN LEVAR: Miss Tuttle, I just have one
11 question or maybe two. For the Office, Mr. Martinez
12 suggested some changes to the tariff language. And
13 then Mr. McDougal suggested some modifications to
14 Mr. Martinez's recommendation.

15 Do you have an opinion on the tariff language
16 as recommended by both Mr. Martinez and Mr. McDougal?

17 THE WITNESS: I do not have an opinion on
18 that.

19 CHAIRMAN LEVAR: Okay. Thank you. That's
20 all I have. Thank you.

21 MR. JETTER: That concludes the Division's
22 witnesses at the hearing today.

23 CHAIRMAN LEVAR: Thank you. Mr. Moore?

24 MR. MOORE: Thank you. The Office calls
25 Gavin Mangelson as our first witness and asks that he

1 be sworn.

2 --oOo--

3 GAVIN MANGELSON,

4 having been first duly sworn to tell the
5 truth, was examined and testified as follows:

6 DIRECT EXAMINATION

7 BY MR. MOORE:

8 **Q. What is your name, business address, and**
9 **occupation?**

10 A. My name is Gavin Mangelson. I'm a utility
11 analyst for the Office of Consumer Services. My
12 business address is 160 East, 300 South, Salt Lake
13 City, Utah.

14 **Q. Did you submit direct testimony on March 7th,**
15 **2007, in this docket?**

16 A. Yes. I submitted eight pages of direct
17 testimony.

18 **Q. Do you have any corrections to that testimony**
19 **or additions?**

20 A. Yes. On lines 36 and 148, when referencing
21 the legislation, it should read "an electric grid
22 related project" other than "an electric grid related
23 program."

24 **Q. Other than that correction, if I asked you**
25 **the same questions today as you were asked in your**

1 **pre-filed testimony, would your answers be the same?**

2 A. Yes.

3 **Q. Have you prepared a summary of the Office's**
4 **position?**

5 A. Yes, I have.

6 **Q. Please provide that.**

7 A. Thank you. Good morning, Chairman,
8 Commissioners. In my direct testimony, I identified
9 the benefits of the proposed substation meters and
10 clarified that the substation meters only provide
11 information.

12 Advanced substation metering equipment can
13 provide data necessary to identify potential sources of
14 system harm, but cannot affect power flows or otherwise
15 resolve or mitigate any identified system constraints.
16 My testimony also noted that no evidence has yet been
17 collected indicating that system constraints are being
18 caused by distributed energy resources.

19 The Office recommended that certain reporting
20 requirements be included as part of the approval of
21 this program, including program evaluations, any
22 installations that deviate from the application, and
23 that the information collected be made available to
24 interested parties, along with any conclusions that can
25 be made or inferred from the data.

1 The company indicated that it supports the
2 sharing of information from STEP programs, not
3 including confidential customer information. The
4 company previously agreed to program evaluations in an
5 annual STEP report.

6 With the company's previous agreement and
7 appropriate sharing of information, the Office supports
8 the proposal and agrees that advanced substation meters
9 qualify under the STEP legislation.

10 **Q. Does this complete your statement?**

11 A. Yes.

12 MR. MOORE: At this time the Office would
13 move for admission of his testimony.

14 CHAIRMAN LEVAR: If any party objects to that
15 motion, please indicate to me. The motion is granted.
16 Thank you.

17 MR. MOORE: This witness is available for
18 cross and questions from the Commission.

19 CHAIRMAN LEVAR: Okay. Mr. Jetter, I'll go
20 to you first.

21 MR. JETTER: I have no questions. Thank you.

22 CHAIRMAN LEVAR: Ms. Hayes?

23 MS. HAYES: No questions. Thank you.

24 CHAIRMAN LEVAR: Mr. Solander?

25 MR. SOLANDER: No questions. Thank you.

1 CHAIRMAN LEVAR: Commissioner White?

2 COMMISSIONER WHITE: I have no questions.

3 Thank you.

4 CHAIRMAN LEVAR: Commissioner Clark?

5 COMMISSIONER CLARK: No questions. Thank

6 you.

7 CHAIRMAN LEVAR: I don't have any. Thank

8 you.

9 THE WITNESS: Thank you.

10 MR. MOORE: As their second witness, the

11 Office would call Danny Martinez and ask him to be

12 sworn.

13 --oOo--

14 DANNY MARTINEZ,

15 having been first duly sworn to tell the

16 truth, was examined and testified as follows:

17 DIRECT EXAMINATION

18 BY MR. MOORE:

19 **Q. Could you please state your name, business**
20 **address, and occupation?**

21 A. Yes. My name is Danny Martinez. I'm a
22 utility analyst for the Office of Consumer Services.
23 My business address is 160 East, 300 South in Salt Lake
24 City, Utah.

25 **Q. Have you submitted direct rebuttal testimony**

1 together with exhibits in this docket?

2 A. Yes.

3 Q. Do you have any corrections or additions to
4 this testimony?

5 A. No.

6 Q. Have you prepared a summary of this
7 testimony?

8 A. Yes.

9 Q. Could you please provide that summary.

10 A. Yes. Good morning. My testimony addresses
11 the Phase Two STEP programs which the company's
12 commercial -- which includes the company's Commercial
13 Line Extension proposal and Clean Coal programs. I
14 filed direct and rebuttal testimony during Phase Two of
15 this docket.

16 In my direct testimony, I addressed issues
17 associated with the company's Commercial Line Extension
18 proposal. First, I recommended to the Commission that
19 the company measure and report the benefits derived by
20 the company's Commercial Line Extension Program.

21 The company responded in rebuttal testimony
22 that it would work with parties to develop methods of
23 measuring and reporting any program benefits. The
24 Office supports the company's willingness to work with
25 parties to develop methods of identifying and reporting

1 any benefits of the program.

2 Second, the Office recommended to the
3 Commission tariff language to clarify eligibility
4 requirements with the company's proposed Regulation 13.
5 The company addressed the Office's concerns in rebuttal
6 testimony by modifying the Office's proposed
7 languages -- language.

8 The Office supports the company's modified
9 Eligibility tariff language in Regulation 13. In my
10 direct testimony, the tariff language I proposed was an
11 attempt to be consistent with the company's response to
12 OSC Data Request 9.1, concerning language originally
13 stating that developers "may" need to comply with
14 electric vehicle charging requirements.

15 The company's rebuttal testimony is an
16 updated company position that now indicates that all
17 eligible developers will be required to meet the
18 electric vehicle charging station requirements. Given
19 this new information, the Office supports the revised
20 tariff language proposal put forth by the company.

21 Lastly, regarding my testimony concerning the
22 company's Clean Coal Project, the Office supports the
23 Division's testimony that the company should track and
24 report OMAG expenses for Phase Two Clean Coal Projects
25 in the same manner as proposed in Phase One.

1 In conclusion, with the company's assurances
2 provided in rebuttal testimony and the additional
3 Regulation 13 tariff language as the company proposed,
4 the Office supports the company's modified Commercial
5 Line Extension Program.

6 The Office also supports the company's Phase
7 Two Clean Coal Project subject to the requirement that
8 the company track and report OMAG expenses in the same
9 manner as proposed in Phase One. That's the
10 conclusion.

11 MR. MOORE: At this point, the Office would
12 move for admission of his testimony and attached
13 exhibits.

14 CHAIRMAN LEVAR: Is there any objection to
15 that motion from any party? The motion is granted.
16 Thank you.

17 MR. MOORE: The witness is available for
18 cross and questions from the Commission.

19 CHAIRMAN LEVAR: Mr. Jetter?

20 MR. JETTER: I have no questions, thank you?

21 CHAIRMAN LEVAR: Ms. Hayes?

22 MS. HAYES: No questions. Thank you.

23 CHAIRMAN LEVAR: Mr. Solander?

24 MR. SOLANDER: None. Thank you.

25 CHAIRMAN LEVAR: Commissioner Clark?

1 COMMISSIONER CLARK: No questions. Thank
2 you.

3 CHAIRMAN LEVAR: Commissioner White?

4 COMMISSIONER WHITE: No questions. Thanks.

5 CHAIRMAN LEVAR: I don't either. Thank you.

6 THE WITNESS: Thank you.

7 MR. MOORE: This complete the Office's
8 testimony.

9 CHAIRMAN LEVAR: Thank you. Ms. Hayes?

10 MS. HAYES: Thank you. Utah Clean Energy
11 calls Kate Bowman as its witness. She will need to be
12 sworn.

13 --oOo--

14 KATE BOWMAN,

15 having been first duly sworn to tell the
16 truth, was examined and testified as follows:

17 DIRECT EXAMINATION

18 BY MS. HAYES:

19 **Q. Good morning, Ms. Bowman. Will you please**
20 **state your name and position for the record.**

21 A. Kate Bowman. I'm the solar project
22 coordinator for Utah Clean Energy.

23 **Q. Did you file direct testimony in Phase Two of**
24 **this docket on March 7th of 2017?**

25 A. Yes, I did.

1 **Q. If I asked you the same questions today as**
2 **are set forth in that testimony, would your answers be**
3 **the same?**

4 A. Yes.

5 **Q. Have you prepared a summary of your**
6 **testimony?**

7 A. Yes, I have.

8 **Q. Would you please present that.**

9 A. Yes. The purpose of Utah Clean Energy's
10 testimony is to express support for the company's
11 proposed substation metering project and to provide
12 recommendations to maximize the value proposition for
13 ratepayers who would be funding this program through
14 the STEP program.

15 Distributed energy resources will play a
16 critical role in the grid of the future and will
17 provide valuable grid services while improving
18 reliability and resiliency.

19 Customers are becoming active participants in
20 today's electric grid, and the market for new
21 distributed energy technologies is growing, including
22 rooftop solar, smart inverters, energy storage, meter
23 controllable loads, electric vehicles, and energy
24 efficiency resources.

25 The benefits of distributed energy

1 technologies can be amplified when these technologies
2 are deployed in concert with one another, and increased
3 data visibility into the distribution system can be
4 used to understand how to integrate these technologies
5 cost effectively, and to inform distribution system
6 planning in order to keep costs low for all ratepayers.

7 First, the company notes that the proposed
8 program will provide location-specific data that allows
9 the company to perform interconnection studies more
10 cost effectively. Increased data visibility into real
11 locations on the Utah distribution system can also
12 allow the utility to evaluate the technical basis for
13 existing interconnection rules and ensure that the
14 interconnection rules remain in line with best
15 practices.

16 Second, increased data visibility can be used
17 to inform distribution system planning and identify
18 strategies to keep costs low for all ratepayers in the
19 long term.

20 Distributed solar combined with battery
21 storage and demand response can reduce system peak
22 demand and offer distribution grid benefits, including
23 frequency regulation and voltage support.

24 These benefits vary even based on the
25 technology or technologies deployed and their location.

1 And improved data visibility into the distribution
2 system can reveal local grid conditions at specific
3 times within specific context.

4 To date, little data related to the
5 interaction between distributed energy resources and
6 the distribution system has been made available to
7 stakeholders. And without improved data visibility,
8 the company may miss opportunities to accurately
9 account for distributed energy resources in long-term
10 utility planning processes and leverage the benefits of
11 private investments in distributed energy resources to
12 keep costs low for all ratepayers.

13 Utah Clean Energy supports the stated
14 intentions of this proposed program, namely to
15 modernize the grid, enable increasing levels of
16 distributed energy resources, improve customer service,
17 and maintain grid integrity.

18 Utah Clean Energy supports the company making
19 the proposed investments in advanced substation
20 metering infrastructure and to the extent the
21 information the company collects is used to inform the
22 cost-effective integration of distributed energy
23 resources and to facilitate lower cost solutions to
24 customer needs systemwide.

25 We further note that the challenges

1 identified by the company are not solely caused by
2 increasing distributed energy resource penetration.
3 For example, changes in loads and the age and condition
4 of distribution grid infrastructure will also impact
5 grid conditions and necessary utility investments.

6 And the benefits of increased data visibility
7 go beyond improved integration of distributed energy
8 resource and can be used to resolve a variety of
9 technical issues that impact customer service and
10 satisfaction and inform distribution system planning.

11 Given that the proposed program will be
12 funded using rate payer money in order to maximize the
13 value of the investment for ratepayers, we request that
14 stakeholders be able to access data gained from this
15 program, that the company provide regular updates to
16 inform stakeholders as key milestones are reached, and
17 that the company prepare a report outlining key
18 findings when the program has been implemented.

19 And on this point in response to some of the
20 questions regarding reporting requirements, we agree
21 with the recommendations made by the Division of Public
22 Utilities and the three specific reporting
23 recommendations that have been made by the Office of
24 Consumer Services. And that concludes my summary.

25 MS. HAYES: Thank you. Utah Clean Energy now

1 moves the admission of the direct testimony -- Phase
2 Two direct testimony of Kate Bowman.

3 CHAIRMAN LEVAR: If any party objects to that
4 motion, please indicate to me. Sorry, did you complete
5 your motion? Sorry.

6 MS. HAYES: Sorry. I spoke over you. I
7 think so. We just move the admission of her direct
8 testimony, Phase Two direct testimony into the record.

9 CHAIRMAN LEVAR: Okay. If any party objects,
10 please indicate to me. The motion is granted. Thank
11 you.

12 MS. HAYES: Thank you. Ms. Bowman is now
13 available for questions.

14 CHAIRMAN LEVAR: Thank you. I'll go to
15 Mr. Moore first.

16 MR. MOORE: No question. Thank you.

17 CHAIRMAN LEVAR: Mr. Jetter?

18 MR. JETTER: I have no questions. Thank you.

19 CHAIRMAN LEVAR: Mr. Solander?

20 MR. SOLANDER: No questions. Thank you.

21 CHAIRMAN LEVAR: Commissioner White?

22 COMMISSIONER WHITE: I think I heard that
23 you're comfortable with the way Mr. Solander
24 represented how the data would be provided in the
25 aggregate rather than customer specific data as it

1 would be useful to stakeholders. So it sounds like
2 there's a consensus, I guess, in terms of the path
3 forward to how to provide data from this program?

4 THE WITNESS: Yes. And we understand that
5 sensitive customers' information should be -- should be
6 protected, and that there are ways to share data with
7 interested parties while still protecting customer
8 information.

9 COMMISSIONER WHITE: That's all the questions
10 I have.

11 CHAIRMAN LEVAR: Commissioner Clark?

12 COMMISSIONER CLARK: No questions. Thank
13 you.

14 CHAIRMAN LEVAR: Thank you. I don't have any
15 either. Thank you.

16 THE WITNESS: Thank you.

17 CHAIRMAN LEVAR: Ms. Hayes, anything else
18 from Utah Clean Energy?

19 MS. HAYES: No. That concludes all of our
20 witness list witnesses.

21 CHAIRMAN LEVAR: Anything else from any
22 party? Okay. Thank you for being here today. Thank
23 you especially for accommodating our audio
24 difficulties, especially to our court reporter.
25 Appreciate you accommodating that today. We're

1 adjourned.

2 (The proceedings concluded at 10:15 a.m.)

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REPORTER'S CERTIFICATE

STATE OF UTAH)
COUNTY OF UTAH)

I, Daren S. Bloxham, a Notary Public and Certified Shorthand Reporter, Registered Professional Reporter, hereby certify:

THAT the foregoing proceedings were taken before me at the time and place set forth in the caption hereof; that the witnesses were placed under oath to tell the truth, the whole truth, and nothing but the truth; that the proceedings were taken down by me in shorthand and thereafter my notes were transcribed through computer-aided transcription; and the foregoing transcript constitutes a full, true, and accurate record of such testimony adduced and oral proceedings had, and of the whole thereof.

I have subscribed my name on this 18th day of April, 2017.



Daren S. Bloxham
Registered Professional Reporter #335

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