



Washington State Energy Facility Site Evaluation Council

REVISED AGENDA

MONTHLY MEETING
Tuesday August 20, 2019
1:30 PM

621 Woodland Square Loop SE,
Lacey, WA 98503,
Conference Room 110
Conference number: (360) 407-3810 ID: 214817

- 1. Call to Order Kathleen Drew, EFSEC Chair
- 2. Roll Call Tammy Mastro, EFSEC Staff
- 3. Proposed Agenda Kathleen Drew, EFSEC Chair
- 4. Minutes **Meeting Minutes**..... Kathleen Drew, EFSEC Chair
 - July 16, 2019
- 5. Projects
 - a. **Kittitas Valley Wind Project**
 - Operational Updates..... Eric Melbardis, EDP Renewables
 - b. **Wild Horse Wind Power Project**
 - Operational Updates..... Jennifer Diaz, Puget Sound Energy
 - c. **Chehalis Generation Facility**
 - Operational Updates..... Mark Miller, Chehalis Generation
 - d. **Grays Harbor Energy Center**
 - Operational Updates..... Chris Sherin, Grays Harbor Energy
 - e. **Columbia Generating Station**
 - Operational Updates..... Mary Ramos, Energy Northwest
 - f. **WNP – 1/4**
 - Non-Operational Updates..... Mary Ramos, Energy Northwest
 - g. **Columbia Solar Project**
 - Project Updates..... Ami Kidder, EFSEC Staff
 - Site Certification Agreement..... Sonia E. Bumpus, EFSEC Manager

*The Council may consider and take **Final Action** on suspension of the Site Certification Agreement.*
 - h. **Desert Claim**
 - Project Updates..... Ami Kidder, EFSEC Staff
- 6. Adjourn Kathleen Drew, EFSEC Chair

Note: "FINAL ACTION" means a collective positive or negative decision, or an actual vote by a majority of the members of a governing body when sitting as a body or entity, upon a motion, proposal, resolution, order, or ordinance. RCW 42.30.020

Verbatim Transcript of Monthly Council Meeting
Washington State Energy Facility Site Evaluation
Council

July 16, 2019



1325 Fourth Avenue • Suite 1840 • Seattle, Washington 98101

206.287.9066

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5 WASHINGTON STATE
6 ENERGY FACILITY SITE EVALUATION COUNCIL
7 Olympia, Washington
8 Tuesday, July 16, 2019
9 1:30 p.m.
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13 MONTHLY COUNCIL MEETING
14 Verbatim Transcript of Proceedings
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24 DATE TAKEN: JULY 16, 2019
25 REPORTED BY: TAYLER GARLINGHOUSE, CCR 3358

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1 APPEARANCES
2
3 Councilmembers:
4 KATHLEEN DREW, Chair
5 CULLEN STEPHENSON, Department of Ecology
6 STACEY BREWSTER, Utilities & Transportation Commission
7 (via phone)
8 MIKE LIVINGSTON, Fish & Wildlife (via phone)
9 DAN SIEMANN, Department of Natural Resources (via phone)
10
11 Assistant Attorney General:
12 STEPHANIE DUVALL
13
14 Council Staff:
15 SONIA BUMPUS
16 AMI KIDDER
17 KYLE OVERTON
18 TAMMY MASTRO
19 JAON AITKEN
20 PATTY BETTS
21 STEW HENDERSON
22
23 In Attendance:
24 ERIC MELBARDIS, EDP Renewables (via phone)
25 SCOTT LICHTENBERG, PSE (via phone)
MARK MILLER, Chehalis Generation Facility
MARY RAMOS, Energy Northwest (via phone)
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1 LACEY, WASHINGTON; JULY 16, 2019
2 1:30 P.M.
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4 P R O C E E D I N G S
5
6 CHAIR DREW: Good afternoon. This is
7 Kathleen Drew, Chair of the Energy Facility Site
8 Evaluation Council and our meeting is open. I would
9 like to have the call to order.
10 Ms. Mastro?
11 MS. MASTRO: Department of Commerce position
12 is vacant.
13 Department of Ecology?
14 MR. STEPHENSON: Cullen Stephenson, here.
15 MS. MASTRO: Department of Fish and
16 Wildlife?
17 MR. LIVINGSTON: Mike Livingston, on the
18 phone.
19 MS. MASTRO: Department of Natural
20 Resources?
21 MR. SIEMANN: Dan Siemann is on the phone.
22 MS. MASTRO: Utilities and Transportation
23 Commission is excused.
24 MS. BREWSTER: Stacey Brewster is on the
25 phone.

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1 CHAIR DREW: She's -- oh, she's on the
2 phone.
3 MS. MASTRO: Sorry. Chair, there is a
4 quorum.
5 CHAIR DREW: Thank you.
6 Is there anyone else who is on the line who
7 would like to introduce themselves?
8 Okay. As we --
9 MR. MELBARDIS: Eric Melbardis with EDP
10 Renewables, Kittitas Valley Wind Power Project.
11 CHAIR DREW: Thank you.
12 MR. LICHTENBERG: Scott Lichtenberg with
13 Puget Sound Energy, Wild Horse project.
14 CHAIR DREW: Okay.
15 MS. RAMOS: Mary Ramos, Energy Northwest.
16 CHAIR DREW: Okay. The sound is very
17 difficult to hear from those on the phone. Is there
18 anything we can -- we are in our new hearing room and
19 are checking the audio here. We've checked it before,
20 but I can barely hear it. Can anyone at the Staff table
21 hear?
22 MR. LIVINGSTON: Chair Drew, there's quite
23 an echo when you're speaking as well.
24 CHAIR DREW: Thank you.
25 MS. BUMPUS: We're -- we're -- here at the

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1 Staff table, it's difficult to hear the folks on the
 2 phone and we're also hearing a little bit of an echo.
 3 MR. HENDERSON: The last one was clear, the
 4 last statement was clear.
 5 MS. MASTRO: It was Eric Melbardis.
 6 CHAIR DREW: Eric, you were clearer and we
 7 could hear better.
 8 So I just ask for people to speak up. I'm
 9 going to ask Sonia to say a couple words here and tell
 10 me if there's an echo from hers because she has
 11 different mics.
 12 MS. BUMPUS: I should just say a couple of
 13 words.
 14 CHAIR DREW: Even I can hear an echo.
 15 MS. AITKEN: I'm working on it.
 16 CHAIR DREW: Okay. We will certainly
 17 provide that information back and hopefully we'll have
 18 it more fine-tuned by the next meeting. Fortunately I
 19 expect our meeting today to be pretty short, so we will
 20 go ahead.
 21 Is there a motion to approve the agenda?
 22 MR. STEPHENSON: Chair, I will move to
 23 approve the agenda.
 24 CHAIR DREW: Second?
 25 MR. LIVINGSTON: This is Mike Livingston, I

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1 will move to second that motion.
 2 CHAIR DREW: Thank you, and you're coming in
 3 loud and clear now.
 4 All in favor, say "aye."
 5 COUNCILMEMBERS: Aye.
 6 CHAIR DREW: Opposed? Agenda is adopted.
 7 Yeah, I can hear the echo from me.
 8 Oh, that's a good suggestion.
 9 Okay. Next are the minutes. Is there a
 10 motion to approve the minutes?
 11 MR. STEPHENSON: Chair, I move to approve
 12 the minutes.
 13 CHAIR DREW: Second?
 14 MS. BREWSTER: I'll second.
 15 CHAIR DREW: Thank you.
 16 All in favor?
 17 COUNCILMEMBERS: Aye.
 18 CHAIR DREW: Opposed? Minutes are adopted.
 19 Okay. Let's move on to our project reports.
 20 Up first, Kittitas Valley Wind Project, Mr. Melbardis?
 21 MR. MELBARDIS: Good afternoon, Chair Drew,
 22 EFSEC Council, and Staff. This is Eric Melbardis with
 23 EDP Renewables for the Kittitas Valley Wind Power
 24 Project. For the reporting period covering the month of
 25 June, we have nothing nonroutine to report. I had also

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1 included with my operations report just a brief
 2 one-pager on the types of emergency drills that we run
 3 at Kittitas Valley. That was based on Ms. Diaz's great
 4 report about some of the emergency drills they were
 5 running.
 6 With our audio issues, I don't know if you
 7 want me to walk through this or if the packet provided
 8 is enough, but I just did want to point out that we
 9 also, like Wild Horse, run drills. We have five annual
 10 drills that we run a year, including a bunch of
 11 scenarios that are somewhat tailored to our SCA. We
 12 have a fire, which includes office evacuation, medical
 13 emergency, tower evacuation drills, severe weather
 14 drills, and hazardous spill drills.
 15 We don't have hazardous materials here, so
 16 we just treat that as an oil spill. And we also have
 17 drills with our contractors that are scenario-based and
 18 sometimes my corporate office springs drills on us as
 19 well. So we also train regularly on trying to learn how
 20 to expect the unexpected.
 21 CHAIR DREW: Thank you. And thank you for
 22 that report, and it is -- you're coming in clearly.
 23 From our end, we can hear you well, so thank you.
 24 Any questions?
 25 Okay. Moving on to the Wild Horse Wind

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1 Power Project.
 2 MR. LICHTENBERG: Yes, thank you, Chair Drew
 3 and Councilmembers and Staff. My name is Scott
 4 Lichtenberg. I'm the plant manager at Wild Horse Wind
 5 Facility for Puget Sound Energy, and I'm happy to report
 6 for the month of June we had nothing nonroutine to
 7 report.
 8 CHAIR DREW: Great. Thank you very much.
 9 And with us in person, we have Mr. Miller
 10 for the Chehalis Generation Facility.
 11 And may I ask if the echo has been resolved
 12 from my microphone for those who are listening on the
 13 phone?
 14 UNIDENTIFIED SPEAKER: It's much better now.
 15 CHAIR DREW: Thank you.
 16 MR. MILLER: Good afternoon, Chair Drew and
 17 Councilmembers and Staff. I'm Mark Miller, the plant
 18 manager at the PacifiCorp Chehalis Generation Facility.
 19 I have one nonroutine comment. At the April council
 20 meeting, I noted that the Chehalis plant had completed
 21 the required Annual Relative Accuracy test audit of
 22 continuous emission monitors for each of the combustion
 23 turbines during the month of March.
 24 Earlier this month, we discovered a
 25 discrepancy in those testing results, and we've been

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<p>1 working with EFSEC Staff to resolve any current concerns</p> <p>2 or issues. That's all I have at the moment. Are there</p> <p>3 any questions?</p> <p>4 CHAIR DREW: So you'll be continuing to look</p> <p>5 into that and reporting to Staff?</p> <p>6 MR. MILLER: Absolutely. We're working with</p> <p>7 Mr. Overton right now and met with him yesterday and</p> <p>8 we'll respond as it's required.</p> <p>9 CHAIR DREW: Okay. Thank you.</p> <p>10 Mr. Overton?</p> <p>11 MR. OVERTON: This is Kyle Overton.</p> <p>12 CHAIR DREW: I think you'll probably have to</p> <p>13 get a little closer to the mic there.</p> <p>14 MR. OVERTON: Kyle Overton, and in addition</p> <p>15 to that, we should have an update on -- on the testing</p> <p>16 results for the August meeting.</p> <p>17 In addition, the planning for the upcoming</p> <p>18 tour is about complete and the Council should be</p> <p>19 receiving information shortly on the logistics for that.</p> <p>20 CHAIR DREW: Okay. And that will be in the</p> <p>21 morning of our August meeting. We are looking --</p> <p>22 MR. MILLER: And we are looking forward to</p> <p>23 the visit by the Council and any interested members of</p> <p>24 the public.</p> <p>25 CHAIR DREW: Thank you very much.</p>	<p>1 requesting additional information regarding our NPDES</p> <p>2 Permit renewal application. And we have provided the</p> <p>3 response to those questions on June 24th.</p> <p>4 And then on June 25th, EFSEC and Washington</p> <p>5 Department of Ecology staff visited Columbia Generating</p> <p>6 Station to inspect the facility's new dechlorination</p> <p>7 chemical feed project. During the visit, Ecology</p> <p>8 requested copies of the contracts that Energy Northwest</p> <p>9 had in place with GE Betz Incorporated. And we have</p> <p>10 submitted copies of those contract documents as of July</p> <p>11 1st.</p> <p>12 And then the last topic I have to report is</p> <p>13 regarding our fire marshal reinspection. On June 24th,</p> <p>14 the State Fire Marshal Office and EFSEC Staff conducted</p> <p>15 a fire and life safety reinspection of Columbia</p> <p>16 Generating Station. And during the closeout meeting on</p> <p>17 the same day, the Deputy State Fire Marshal confirmed</p> <p>18 that all open items, which are not being appealed, have</p> <p>19 been accepted and will be closed out. I have no updates</p> <p>20 to report for WNP-1/4.</p> <p>21 CHAIR DREW: Thank you.</p> <p>22 Are there any questions from Councilmembers?</p> <p>23 Okay. Thank you very much.</p> <p>24 Columbia Solar Project, Ms. Kidder?</p> <p>25 MS. KIDDER: Good afternoon, Chair Drew and</p>
Page 10	Page 12
<p>1 MR. MILLER: Thank you.</p> <p>2 CHAIR DREW: Okay. Moving on to the Grays</p> <p>3 Harbor Energy Center?</p> <p>4 MR. OVERTON: This is Kyle Overton again.</p> <p>5 Mr. Sherin was unable to attend this meeting. His</p> <p>6 report indicated there was no -- nothing nonroutine to</p> <p>7 report. The -- his full report is in the packet. And</p> <p>8 as of July 1st, the NPDES Permit has been issued and is</p> <p>9 effective and, again, there was no deviations for the</p> <p>10 month of June.</p> <p>11 CHAIR DREW: And we also had a tour that</p> <p>12 many members of the Staff and -- I think we had three</p> <p>13 Councilmembers who attended as well. So that was very</p> <p>14 informative. That was in June. Thank you.</p> <p>15 Columbia Generating Station?</p> <p>16 MS. RAMOS: Good afternoon, Chair Drew,</p> <p>17 Councilmembers, and Staff. This is Mary Ramos reporting</p> <p>18 for Energy Northwest. For Columbia Generating Station,</p> <p>19 I have three topics to report. One is regarding our</p> <p>20 refuelling and maintenance outage. Columbia Generating</p> <p>21 Station connected to the grid on June 21st, marking the</p> <p>22 end of the 24th refuelling and maintenance outage.</p> <p>23 And then the next topic I would like to</p> <p>24 provide an update on is regarding our NPDES Permit. On</p> <p>25 June 10th, Energy Northwest received a letter from EFSEC</p>	<p>1 Councilmembers. For the record, my name is Ami Kidder.</p> <p>2 There are no updates at this time for the Columbia Solar</p> <p>3 Project.</p> <p>4 CHAIR DREW: Okay. Desert Claim?</p> <p>5 MS. KIDDER: Thank you. For the Desert</p> <p>6 Claim Project, EFSEC Staff continues to review the</p> <p>7 cultural resources monitoring and mitigation plan in</p> <p>8 coordination with Desert Claim Contractors, the U.S.</p> <p>9 Army Corps of Engineers, Cultural Resources Program, and</p> <p>10 the Department of Archaeology and Historic Preservation.</p> <p>11 Plan submittal and EFSEC approval is a requirement of</p> <p>12 the Site Certification Agreement.</p> <p>13 CHAIR DREW: Okay. Thank you.</p> <p>14 MS. KIDDER: Are there any questions on</p> <p>15 that?</p> <p>16 CHAIR DREW: Thank you.</p> <p>17 MS. KIDDER: Thank you.</p> <p>18 CHAIR DREW: Now we'll move to the "other"</p> <p>19 section. And, again, we have Ms. Kidder to give us an</p> <p>20 Air Rule update.</p> <p>21 MS. KIDDER: Thank you, Chair Drew. I'd</p> <p>22 like to give a brief update on where we are in the</p> <p>23 rulemaking process. The notice was filed on May 22nd to</p> <p>24 revise the Washington Administrative Code, or WAC,</p> <p>25 463-78 to adopt the current language of applicable</p>

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<p>1 sections of WAC 173.</p> <p>2 We are currently within a public comment</p> <p>3 period that extends through July 20th, which is this</p> <p>4 Saturday. We have received no public comments nor do we</p> <p>5 anticipate any as the applicable sections of WAC 173</p> <p>6 have already been through the public comment period</p> <p>7 process through the Department of Ecology. Should those</p> <p>8 comments be received, Staff will file a form CR-103</p> <p>9 signed by Chairwoman Drew, which will initiate a 30-day</p> <p>10 waiting period until the updates to WAC 463-78 become</p> <p>11 effective.</p> <p>12 Are there any questions?</p> <p>13 CHAIR DREW: Thank you very much.</p> <p>14 And moving on to our final item, the first</p> <p>15 quarter cost allocations, Ms. Bumpus?</p> <p>16 MS. BUMPUS: Thank you. For the record,</p> <p>17 this is Sonia Bumpus. Good afternoon, Chair Drew and</p> <p>18 Councilmembers. As we do at the beginning of each</p> <p>19 quarter, we calculate EFSEC's nondirect cost allocations</p> <p>20 for the quarter. These allocations are the percentages</p> <p>21 that are charged to each of the different projects that</p> <p>22 EFSEC regulates. We review the Staff's technical work</p> <p>23 that has been done in past quarters and the work</p> <p>24 anticipated ahead. The percentages on the green sheet</p> <p>25 in your Council packets show what the different</p>	<p>1</p> <p>2 CERTIFICATE</p> <p>3</p> <p>4 STATE OF WASHINGTON</p> <p>5 COUNTY OF THURSTON</p> <p>6</p> <p>7 I, Tayler Garlinghouse, a Certified Shorthand</p> <p>8 Reporter in and for the State of Washington, do hereby</p> <p>9 certify that the foregoing transcript is true and</p> <p>10 accurate to the best of my knowledge, skill and ability.</p> <p>11</p> <p>12</p> <p>13</p> <p>14</p> <p>15 _____</p> <p>16 Tayler Garlinghouse, CCR 3358</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p>
Page 14	
<p>1 percentages expected are for the first quarter. I'll go</p> <p>2 ahead and read off the percentages, and these run from</p> <p>3 July 1, 2019, to September 30th, 2019.</p> <p>4 For Kittitas Valley Wind Power Project, 10</p> <p>5 percent; Wild Horse Wind Power Project, 10 percent;</p> <p>6 Columbia Generating Station, 25 percent; Columbia Solar,</p> <p>7 13 percent; WNP-1, 3 percent; Whistling Ridge Energy</p> <p>8 Project, 3 percent; Grays Harbor 1 & 2, 13 percent;</p> <p>9 Chehalis Generation Project, 11 percent; Desert Claim</p> <p>10 Wind Power Project, 9 percent; and Grays Harbor Energy 3</p> <p>11 & 4, 3 percent.</p> <p>12 CHAIR DREW: Are there any questions?</p> <p>13 Thank you. Hearing none, I think that's all</p> <p>14 that we had to come before us. Councilmembers, please</p> <p>15 plan on being here the morning of our August meeting.</p> <p>16 Of course I don't have the date in front of me, but we</p> <p>17 will then have the tour of the Chehalis Generation</p> <p>18 Facility and then come back to our meeting here at 1:30.</p> <p>19 So thank you all for your participation and</p> <p>20 thank you. This is our first trial of our audio system,</p> <p>21 so we will continue to tweak it. Appreciate all your</p> <p>22 participation. The meeting's adjourned.</p> <p>23 (Adjourned at 1:46 p.m.)</p> <p>24</p> <p>25</p>	

Kittitas Valley Wind Power Project

Monthly Operations Report

July 2019

Project Status Update

Production Summary:

Power generated: 40,811 MWh
Wind speed: 9.5 m/s
Capacity Factor: 54.9%

Safety:

Employee was driving fence posts along a county road to repair barbed wire fencing. The post driver tool recoiled upwards when the post connected with a buried rock and struck him in the head, requiring stitches. Employee was back to work the same day with no lost time nor duty restrictions.

Compliance:

Project is in compliance

Sound:

No complaints

Shadow Flicker:

No complaints

Environmental:

No incidents

The Kittitas Valley Wind Power Project successfully survived the Taylor Bridge Fire of August 2012. The fire burned through around 90% of the 6000-acre project with no damage to equipment.

There have also been 2 other wildfires on the project which were roughly 200 acres each in size and they also did not cause damage to our property or equipment. None of these fires were started by turbine equipment failures nor were they started by any wind farm related activity.

Over the last 9 years, the Project has experienced a few isolated turbine equipment failures that resulted in thermal events or heat excursions but they were small electrical shorts that were contained within the tower. When we get an alarm (via email and text message) that we recognize has the potential to be a thermal event, our protocol is to:

- Rapidly mobilize to the turbine (day or night) for evaluation.
- Contact 911 and local fire response if necessary – we have done this as a precaution in the past although they were not needed and quickly demobilized.
- Cover and tape off the vents on the door at the base of the tower to minimize ‘chimney effect’.
- Contact site management with a SITREP, escalating as necessary.
- Open the switch on the pad mounted transformer at the base of the tower to cut all electrical power to the turbine.
- Ready fire extinguishers and start a fire-watch around the perimeter of the turbine pad.

Additional steps that would be taken in the event a fire had spread outside the turbine would be to ready the 500 gallon ‘water wagon’, open the gates to the O&M, verify that access to the fire hydrant taps were clear and the 23,000 water tank was accessible by unlocking doors to the pump house (of which the fire department also has a key via their Knox Box). Airborne fire fighters also have access to numerous water ponds, the KRD Irrigation canal and the Yakima River if additional water was needed.

- The Project has and maintains an SCA required Fire Prevention Plan.
- The Project also adheres to our internal Fire Prevention and Control Standard Operating Procedures.
- The Project maintains and pays for a Protective Services Agreement with KCFD #1, as required by our SCA.
- We have taken steps to widen the gravel pads around each turbine and actively control vegetation around the turbines to avoid dry tinder in proximity to turbines and transformers.
- Since the recent turbine fire in southern WA, we have also placed 12” x 12” signs at each turbine access road gate which list the name of each road (A, B, C, etc) which should help 911 better dispatch fire response teams.
- We have also installed temperature monitoring strips on areas of the turbine which could be more prone to overheating and technicians regularly monitor these temperatures at every turbine visit.

I think it’s important to note for the record that wind turbine fires are an uncommon event and although they grab a lot of media attention, turbine fires are statistically insignificant.

A FEMA report I read recently stated that “from 2014 to 2016, an average of 171,500 highway vehicle fires occurred in the US, resulting in an annual average of 345 deaths, 1300 injuries and \$1.1 billion in property loss. These vehicle fires accounted for 13% of all fires responded to by fire departments across the nation”.

I then found an engineering article (2015) that stated “. . . wind turbine fires are far less common than fires occurring in other energy industries, such as the oil and gas sector, in which there are thousands of fires per year. According to GCube, an insurance underwriter serving the wind industry, only three or four turbine losses per year can be attributed to turbine fire, out of a portfolio of more than 30 gigawatts (GW). That translates into just one turbine in 7,000 catching fire per year.”

I don’t currently think we need to develop nor implement further fire prevention plans at this time. We are already doing everything we can to prevent fires from starting and from spreading to the landscape should they occur.



Wild Horse Wind Facility

EFSEC – Monthly Compliance Report

July 2019

Safety

No lost-time accidents or safety injuries/illnesses

Compliance/Environmental

A TAC meeting was held on July 24th. The agenda included the following informational items:

- Administrative updates to the TAC Rules of Procedures
- Year in Review provided by PSE
- Grazing Plan update provided by WSU Extension
- 2018 Sage-Grouse Habitat Monitoring results
- Eagle Conservation Plan & Permit update

This was an informational meeting. There were no items that required formal actions/recommendations from the TAC for the Council's consideration.

Operations/Maintenance

Nothing to report

Wind Production

July generation totaled 49,353 MWh for an average capacity factor of 24.33%

Eagle Update

Nothing to report



Chehalis Generation Facility----Monthly Plant Report – July 2019

Washington Energy Facility Site Evaluation Council

08.12.2019

Safety:

- There were no recordable incidents this reporting period and the plant staff has achieved 1462 days without a Lost Time Accident.

Environment:

- There were no air emissions or stormwater deviations or spills during the month.
- Wastewater and Storm-water monitoring results were in compliance with the permit limits for the month.

Operations and Maintenance Activities:

- The Plant generated 311,999 MW-hours in July for 2019 Year-To-Date generation equaling 1,033,894 MW-hours. The YTD capacity factor is 41.07%.

Regulatory/Compliance:

- Nothing to report this period.

Sound monitoring:

- Nothing to report this period.

Carbon Offset Mitigation:

- Nothing to report this period.

Respectfully,



Mark A. Miller
Manager, Gas Plant
Chehalis Generation Facility

EFSEC Monthly Operational Report Grays Harbor Energy Center

July 2019

Safety and Training

- There were no accidents or injuries during the month and the plant staff has achieved 3869 days without a lost time incident.

Environmental & Compliance

- There were no air emissions, outfall or storm water deviations, during the month.
- All routine reporting was completed for the month.

Operations & Maintenance

- Grays Harbor Energy Center (GHEC) operated 131 days during the month, with 0 starts on U1, and 1 start on U2.
- GHEC generated 412,390MWh during the month and 1,583,190MWh YTD.
- The plant capacity factor was 89.4% for the month and 50.2% YTD.

Noise and/or Odor

- None.

Site Visits

- None.

Other

- None.

**Energy Northwest
August 20, 2019 EFSEC Council Meeting
Operations Reporting Period for July 2019**

Washington Nuclear Project 1 and 4 (WNP-1/4)

No updates to report.

Columbia Generating Station (CGS)

The CGS NPDES permit (condition S7) requires an investigation of circulating cooling water system losses, including an analysis of potential groundwater mounding. On July 18, 2019, Energy Northwest and EN's contractor (Landau) presented the groundwater mounding study results to EFSEC, Washington Department of Health, and Washington Department of Ecology. EN is in the process of gathering the information requested during the meeting.



STATE OF WASHINGTON
ENERGY FACILITY SITE EVALUATION COUNCIL
PO Box 43172 • Olympia, Washington 98504-3172

May 6, 2019

Mr. Jason Evans
Vice President
TUUSSO Energy, LLC
500 Yale Avenue North
Seattle, WA 98109

Subject: TUUSSO Energy, LLC (TUUSSO)- Columbia Solar Project, Docket No. EF-170823; Invoice No. 5124-1, 1st and 2nd Quarter Expenses; Fiscal Year 2019 (FY19).

Dear Mr. Evans,

Thank you for your recent communication with the Energy Facility Site Evaluation Council (EFSEC) regarding TUUSSO's unpaid billings for the Columbia Solar Project (Project). As we discussed, the Project currently has an unpaid balance totaling \$272,310.82. The unpaid balance includes 1st and 2nd quarter expenses for FY19 which are reflected in Invoice No. 5124-1, dated 01/29/2019 (see attachment). Per our phone conversation on April 14, 2019, it is EFSEC's understanding that TUUSSO intends to remit a partial payment in the amount of \$100,000.00 prior to May 31, 2019.

EFSEC requests that you provide a Project update by May 31, 2019 to address TUUSSO's ability to meet Project billing obligations. We appreciate your continued communication on this issue and look forward to future work on this Project.

If you have any questions or would like to discuss any of these issues further, please contact me at (360) 664-1363, or at sonia.bumpus@utc.wa.gov.

Sincerely,

Sonia E. Bumpus
EFSEC Manager

Attachment:

Project Billing Invoice No. 5124-1

cc: Timothy L. McMahan, Stoel Rives LLP
Jonathan Thompson, EFSEC AAG
Ami Kidder, EFSEC Siting and Compliance Manager

**WASHINGTON STATE
UTILITIES AND TRANSPORTATION COMMISSION**

EFSEC Division

TIN 91-6001121

Bill To: *Tuusso Energy, LLC*
Attn: Jason Evans
500 Yale Avenue N.
Seattle, WA 98109

Invoice No.: 5124-1
Invoice Date: 1/29/2019
Due Date: 3/1/2019
For Period of: October - December 2018

Customer Service: Melissa Hamilton
Ph: (360) 664-1158
Fax: (360) 664-1289
email: mhamilto@utc.wa.gov

Accounts Receivable: Melissa Hamilton
Ph: (360) 664-1158
Fax: (360) 664-1289
email: mhamilto@utc.wa.gov

Project Billing Summary	Amount	Total
<i>Project: 5546-01 (Columbia Solar)</i>		
Advance Amount on Retainer	\$ 50,000	
Advance Amount Not Invoiced Prior	\$ -	
Current Balance of Advance	<u>\$ 50,000</u>	
Current Period Expenses by Category		
Salaries	\$ 41,648.18	
Benefits	\$ 14,628.96	
Contracts	\$ 4,972.04	
Rent	\$ 2,958.39	
Utilities	\$ 408.18	
Training	\$ -	
Travel	\$ 254.00	
Office Supplies	\$ 34.32	
Communications	\$ 208.80	
Printing (Including Copier Lease)	\$ 180.23	
State Services	\$ 18,041.21	
Office Equipment	\$ -	
Other Goods & Services	\$ -	
Indirect Rate (30% of Sal/Ben)	\$ 16,597.62	
Amount to Replenish Advance Above	\$ -	
Total		<u><u>\$ 99,931.93</u></u>

Remit To: Utilities and Transportation Commission, Financial Office, PO Box 47250, Olympia, WA 98504

	PROJECT	ACCOUNT SUMMARY	
Invoice No.: 5124-1	5546-01 (Columbia Solar)	Previous Balance	\$ 172,378.89
Due Date: 3/1/2019		Current Expenses	\$ 99,931.93
For Period of: October - December 2018	STATEMENT DATE	Late Payment Fees	\$ -
	1/29/2019	Payments	\$ -
CUSTOMER SERVICE CALL	AMOUNT DUE	ACCOUNT BALANCE	\$ 272,310.82
360-664-1158	\$272,310.82		

Go Green! Pay your invoice online @ payments.utc.wa.gov

Aitken, Joan (UTC)

To: Bumpus, Sonia (UTC)
Subject: RE: Update on Columbia Solar Projects

From: Jason Evans [<mailto:jason.evans@tuusso.com>]
Sent: Friday, May 31, 2019 2:10 PM
To: Bumpus, Sonia (UTC) <sonia.bumpus@utc.wa.gov>
Cc: Owen Hurd <owen.hurd@tuusso.com>
Subject: Re: Update on Columbia Solar Projects

Dear Ms. Bumpus,

Thank you for your letter of May 6, and your continued patience as we line up funding for the full balance of the unpaid billings from the Energy Facility Site Evaluation Council (EFSEC).

Unfortunately, on May 22, 2019, our prior funding partner for the Columbia Solar Projects provided us with notice that they were terminating the agreements that gave them the exclusive right to purchase the projects. As a result, we have only very recently begun discussions in earnest with alternative project owners.

At this point, we are in discussions with multiple potential project owners that we believe can quickly step into the projects and advance them through to operations. We have also been in discussions with alternative sources of funding that would be able to provide the projects with sufficient liquidity to see the projects through a longer sales process in the event that we cannot close more quickly with one of the potential project owners. In either case, we should have a source of funding in place by the end of July.

Please let me know if you have any questions or concerns, and please reach out if you would like to discuss the status of our funding and the projects at any time.

Best regards,
Jason

Jason Evans
TUUSSO Energy, LLC
jason.evans@tuusso.com
Phone: 206.303.0198

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STATE OF WASHINGTON
ENERGY FACILITY SITE EVALUATION COUNCIL
PO Box 43172 • Olympia, Washington 98504-3172

July 10, 2019

Mr. Jason Evans
Vice President
TUUSSO Energy, LLC
500 Yale Avenue North
Seattle, WA 98109

Subject: TUUSSO Energy, LLC- Columbia Solar Project, Docket No. EF-170823; Invoices 5045-1 for 1st Quarter, 5124-1 for 2nd Quarter, and 5279-1 for 3rd Quarter Expenses; Fiscal Year 2019 (FY19).

Dear Mr. Evans,

This letter is to set out the Energy Facility Site Evaluation Council (EFSEC) Staff's intended response to TUUSSO Energy, LLC's (TUUSSO) failure to make timely payment of all outstanding amounts invoiced to it by EFSEC pursuant to RCW 80.50.071.

As anticipated in my May 6, 2019 letter to you, the Utilities and Transportation Commission (UTC) financial services section received TUUSSO's partial payment of \$100,000.00 and applied it towards Invoice No. 5045-1 on May 30, 2019. On May 31, 2019 you sent an email stating that TUUSSO was still unable to meet its obligation to pay EFSEC and UTC's costs for the Columbia Solar Project (Project).

Based on your Project status update, it is our understanding that TUUSSO is unable to make any further payment towards the outstanding Project balance until early August 2019. Currently the outstanding Project balance is approximately \$214,203.90. That amount includes unpaid expenses in Invoice No. 5279-1 for 3rd Quarter Fiscal Year 2019 (3Q FY19), which was due on June 20, 2019. While we acknowledge that a partial payment has been remitted, there is also an unpaid, and still owing balance that has carried over from the Project's 1st (1Q) and 2nd Quarter (2Q) billings for FY19. The due date for 1Q FY19 was 1/19/2019 and for 2Q the due date was 3/1/2019.

Mr. Jason Evans
Vice President
TUUSSO Energy, LLC
July 10, 2019

Pursuant to RCW 80.50.071(3)(b), if payment is not made within thirty (30) days following receipt of an invoice, the Council may suspend the Site Certification Agreement (SCA). Suspension of the SCA would result in EFSEC ceasing all work on the Project until a showing is made that the conditions that necessitated the suspension have been corrected. Given TUUSSO's failure to make full payment of its 1Q FY19 invoice, and its failure to pay its 2Q and 3Q FY19 billings, and the continued accrual of the Project's share of non-direct project expenses and charges (overhead costs) that EFSEC is obligated to pay, I intend to recommend to the Council at its August 20, 2019 meeting that it suspend TUUSSO's SCA if TUUSSO does not pay the remaining balance in-full by August 15, 2019. EFSEC and UTC would also seek advice from the Attorney General's Office on options for collection at that time.

EFSEC requests that you provide a Project update to EFSEC by July 15, 2019 to address TUUSSO's ability to meet its payment obligations, including an explanation of TUUSSO's current financial condition. We appreciate your timely response and look forward to our continued work with you on this Project.

If you have any questions or would like to discuss any of these issues further, please contact me at (360) 664-1363, or at sonia.bumpus@utc.wa.gov.

Sincerely,



Sonia E. Bumpus
EFSEC Manager

cc: Kathleen Drew, EFSEC Chair
Timothy L. McMahan, Stoel Rives LLP
Jonathan Thompson, EFSEC AAG
Ami Kidder, EFSEC Siting and Compliance Manager

Aitken, Joan (UTC)

To: Bumpus, Sonia (UTC)
Subject: RE: Re: Project update for Columbia Solar Projects

From: Jason Evans <jason.evans@tuusso.com>
Date: July 15, 2019 at 8:50:24 PM PDT
Subject: Re: Project update for Columbia Solar Projects
To: Bumpus, Sonia (UTC) <sonia.bumpus@utc.wa.gov>

Sonia,

We are in receipt of your letter of July 10th, and provide this Project update in response.

In late May, after lengthy negotiations and several about faces, our project funding partner finally withdrew its support of the Columbia Solar Projects, leaving the Projects with unpaid bills dating back to December 2018 in clear violation of their contractual obligations. Since this termination, Tuusso Energy has been working as quickly as possible to identify a new funding partner to bring the Projects current on all of their obligations, and to begin construction of the Projects before the end of 2019. Unfortunately, Tuusso Energy was dependent upon a successful outcome of the original deal for re-capitalization, and, though solvent, does not have the liquidity to pay the outstanding development expenses associated with the Projects. Lining up a new partner has taken longer than we had hoped, as the broken deal has made new parties more cautious than they might normally be, and due diligence processes more thorough. The Power Purchase Agreement with PSE provides us with ample time to bring the projects online (no later than March 31, 2021), and Tuusso has never had a project fail to come online by the required PPA date in its 11-year history. So while we remain confident in our ability to line up a new partner, pay the EFSEC bills and ultimately complete the projects, it is extremely difficult to say exactly how many more weeks it will take to get this new partner in place.

As of today, July 15th, Tuusso Energy is negotiating a term sheet for the funding and sale of the Columbia Solar Projects, with a 21-day due diligence period to execute final documents. The term sheet contemplates immediate payment of outstanding development expenses very shortly after execution of those final documents. As a result, if we can successfully navigate this short window to closing, we should be able to make a full payment of the outstanding EFSEC invoices on or before August 15, 2019. We deeply regret being in this situation and understand EFSEC's position. We assure you that retiring the EFSEC bills will be the first priority use of any funds from a new partner.

Tuusso Energy is doing everything in its power to bring the Projects current, and to see the Projects built successfully. We appreciate EFSEC's patience as we work through these funding issues.

Best regards,
Jason

Jason Evans
TUUSO Energy, LLC
jason.evans@tuusso.com

Phone: 206.303.0198

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