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
   • June 18, 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
   h. Desert Claim
      • Project Updates......................................................Ami Kidder, EFSEC Staff
6. Other
   a. EFSEC Council
      • Air Rule Update......................................................Ami Kidder, EFSEC Staff
      • 1st Quarter Cost Allocation.....................................Sonia Bumpus, EFSEC Staff
7. Adjourn ........................................................................Kathleen Drew, EFSEC Chair
CHAIR DREW: Good afternoon. This is Kathleen chair -- Kathleen Drew, Chair of the Energy Facility Site Evaluation Council. I am calling our monthly meeting to order.

Ms. Mastro, will you call the roll?

MS. MASTRO: Department of Ecology?

MR. STEPHENSON: Cullen Stephenson, here.

MS. MASTRO: Department of Fish and Wildlife?

MR. LIVINGSTON: Mike Livingston, on the phone.

MS. MASTRO: Department of Natural Resources?

MR. SIEMANN: Dan Siemann, here.

MS. MASTRO: Utilities and Transportation Commission?

MR. BREWSTER: Stacey Brewster, here.

MS. MASTRO: Chair, there is a quorum for the EFSEC Council.

CHAIR DREW: Thank you.

Is there anyone else who has connected via the Skype line who would like to introduce themselves at this point?

MS. WARNER: Hi everyone. This is Kara Warner with Golder Associates.

MR. LICHENBERG: And Scott Lichtenberg, plant manager at Wild Horse Wind Facility.

CHAIR DREW: Thank you.

MS. RAMOS: Mary Ramos, Energy Northwest.

CHAIR DREW: Okay. Thank you all very much.

The proposed agenda is in front of you. Is there a motion to approve the agenda?

MR. STEPHENSON: I will move to approve the agenda.

MR. SIEMANN: I will move to second it.

CHAIR DREW: All those in favor, say "aye."

COUNCILMEMBERS: Aye.

CHAIR DREW: Opposed? Agenda is adopted.

The meeting minutes from May 21st are in your packets. Is there a motion to approve the meeting minutes from the May 21st meeting?

MR. STEPHENSON: I will move to approve the minutes.
CHAIR DREW: … very informative positives and lessons learned. Really
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CHAIR DREW: Yes.
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CHAIR DREW: Opposed? Minutes are approved.
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Are there any questions?
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CHAIR DREW: Yes.
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CHAIR DREW: Good afternoon, Chair Drew and Councilmembers . For the record, this is Jennifer Diaz with Puget Sound Energy at the Wild Horse Wind Facility.
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I have a few updates for the month of May. We have scheduled our next Technical Advisory Committee meeting for Wednesday, July 24th.
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And then Wild Horse reached 8 million megawatt hours on May 24th. So that was a great milestone for us.
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Wild Horse Wind Facility?
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MS. DIAZ: Wow. Thank you.
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CHAIR DREW: Thank you.
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Today's activities include raising reactor power in Columbia's reactor core as well as installed a 260-foot -- 34-foot 133-ton refurbished form pressure turbine rotor. At this point, Columbia Generating Station is in mount two, which is plant startup.
12
Drew toured Wild Horse on May 22nd, and on May 21st, an emergency response and rescue drill was conducted to test our emergency response procedures and communications with the local and regional emergency responders. Puget Sound Energy, Vestas, Kittitas Valley Fire & Rescue, Airlift Northwest Helicopter, LifeFlight Helicopter, and KITTCOM, the emergency 911 dispatch, all participated, and the drill was very successful and lessons learned from that drill will be used to improve our emergency response procedures.
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Just a little more detail about the drill.
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This was not a surprise drill. We have conducted those in the past, but this one we wanted to involve --
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-- the helicopter companies. So it was a planned out drill, and it included a scenario with a victim up tower with crushed legs, bleeding up in the tower and -- excuse me, and -- and included trauma heights and rope rescue training as well. So it was very successful, and I believe in your packets were included some photographs from that emergency response drill.
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CHAIR DREW: Yes, photographs as well as a very informative positives and lessons learned. Really
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appreciate having that information and that detail, so thank you very much for that.
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Are there any questions?
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Thank you, no questions.
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CHAIR DREW: Thank you.
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MS. DIAZ: Thank you.
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CHAIR DREW: Chehalis Generation Facility?
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Good afternoon.

Drew toured Wild Horse on May 22nd, and on May 21st, an emergency response and rescue drill was conducted to test our emergency response procedures and communications with the local and regional emergency responders. Puget Sound Energy, Vestas, Kittitas Valley Fire & Rescue, Airlift Northwest Helicopter, LifeFlight Helicopter, and KITTCOM, the emergency 911 dispatch, all participated, and the drill was very successful and lessons learned from that drill will be used to improve our emergency response procedures.

First is Kittitas Valley Wind Project.

Mr. Melbardsis: Good afternoon, Chair Drew, EFSEC Council, and Staff. This is Eric Melbardsis with EDP Renewables for the Kittitas Valley Wind Power Project. There was nothing nonroutine to report last month. We do, however, this month have had fairly great winds. Our capacity factor has been around 70 percent.

Chair Drew: Yes, thank you, Chair Drew and Councilmembers. For the record, this is Jennifer Diaz with Puget Sound Energy at the Wild Horse Wind Facility.

I have a few updates for the month of May. We have scheduled our next Technical Advisory Committee meeting for Wednesday, July 24th.

And then Wild Horse reached 8 million megawatt hours on May 24th. So that was a great milestone for us.
Verbatim Transcript of Monthly Council Meeting 6/18/2019

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CHAIR DREW: And I do see where WNP-1/4 also has no updates to report, so we'll move on then --

MS. RAMOS: That's correct, thank you.

CHAIR DREW: Yes.

The Columbia Solar Project update,

Ms. Kidder?

MS. KIDDER: Thank you, Chair Drew. For the record, my name is Ami Kidder. Staff are continuing coordination with the certificate holder, but I have no further updates at this time.

CHAIR DREW: Okay. Thank you.

And for Desert Claim, Ms. Moon?

MS. MOON: Good afternoon, Chair Drew and Councilmembers. For the record, this is Amy Moon and I am providing the update for Desert Claim. EFSEC Staff received and is reviewing the Cultural Resources Monitoring and Mitigation Plan. Submittal of this plan was a requirement of the Site Certification Agreement.

Do you have any questions?

CHAIR DREW: Any questions? Nope.

Thank you for the update.

Grays Harbor Energy Center? Thank you,

Mr. Sherin, for the tour this morning. Very informative. We all learned a good deal, and as we were happy for good weather on the East Side, we were very happy for some cloud cover here so it would be a little cool.

MR. SHERIN: You're welcome. Glad I can arrange the weather appropriately.

Thanks again, Chair Drew, Councilmembers, and Staff. Chris Sherin, plant manager at Grays Harbor Energy Center. I don't have any nonroutine items to report for the month of May other than just note that we did conduct a portion of our annual outage -- annual maintenance outage May 13th through 31st and didn't have any environmental incidents or safety mishaps during that outage period so consider it successful.

CHAIR DREW: Thank you.

MR. SHERIN: Any questions?

CHAIR DREW: Any questions?

Thank you again.

For the NPDES Permit, Ms. Kidder?

MS. KIDDER: Thank you. As you remember, the Council voted to approve for public comment the Grays Harbor National Pollutant Discharge Elimination renewal permit. The public comment period was open from April 22nd through May 21st. During this time, EFSEC Staff received one comment, which was from the facility indicating a clarification to the text that would align the permit requirements with the equipment

manufacturers' maintenance recommendations for a continuous flow monitor.

An edit was made in coordination with our Ecology permit contractor to permit condition S2.D.3 to request that the equipment is calibrated annually. A copy of the revised permit and fact sheet are included in your Council packets, and a summary of this activity can be reviewed in Appendix G of the fact sheet. Are there any comments or any questions so far?

CHAIR DREW: Any comments or questions?

Okay. Thank you.

MS. KIDDER: Staff would like to request that the Council take action to approve the Grays Harbor Energy Center NPDES Permit as revised for public comment, but should the Council approve the permit, it would become effective July 1st, 2019.

CHAIR DREW: Okay.

MR. STEPHENSON: I will move that we approve the Grays Harbor Energy Center National Pollutant Discharge Elimination System Permit as amended.

MR. SIEMANN: I'll second that.

CHAIR DREW: Any comments?

Thank you for the good work for everybody involved with that, also to the Department of Ecology, our partners in reviewing the permit to the facility,

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Mr. Sherin, and our Staff.

All those in favor, signify by saying "aye"

to approve the permit.

COUNCILMEMBERS: Aye.

CHAIR DREW: All those opposed? Permit is approved.

MS. KIDDER: Thank you.

In further news, I would just like to notify the Council of some activity planned for the coming months, which has been alluded to a little bit earlier in the Council meeting. We tentatively planned for the Chehalis Generation Facility to host a site tour for the Council on the morning of August 20th prior to the Council meeting that day, which will be held at our new offices in Lacey. More details of this facility tour will be made available to the Council as we coordinate with the facility.

Additionally, we're also coordinating with the Columbia Generating Station to host a facility tour on Wednesday, October 16th. We would tentatively plan for the October Council meeting the day prior, October 15th, to be held in Richland, at which time we are hoping to have some presentation from the facility as well as some of our contractors who coordinate with EFSEC Staff with work related to operations and
emergency preparedness at the Columbia Generating Station. Are there any questions?

CHAIR DREW: So please note those on our -- your calendars for additional time and travel. For the Chehalis site, I'd think we'd just start out here the same as we did today for the Grays Harbor Energy Center tour.

MS. KIDDER: That's correct. The Chehalis facility is a short drive, and so we would likely meet at the EFSEC offices that morning and carpool together. The Columbia Generating Station is some distance away, so additional travel arrangements will be coordinated in the coming months.

CHAIR DREW: Thank you.

I would also like to let the Council members know that, as you could see by the boxes and carts around, we are moving next week. Actually this week, we have to be clear of all our items and take our last walk out the door on Thursday of this week before moving to the new facility, which is located at 621 Woodland Square Loop in Lacey. And our Council meeting next month will be held in the hearing room of that facility, which is room 110.

One of the really nice things about it is that it's a nice facility, but you walk into the lobby and into the hearing room. So it's a little less cumbersome than getting through the door and coming up to this facility. So that will be a nice improvement as well. So we look forward to seeing those of you who will be there in person.

And otherwise, there is no more news or business at this meeting, so we are adjourned.

(Adjourned at 1:44 p.m.)
Kittitas Valley Wind Power Project
Monthly Operations Report

June 2019

Project Status Update

Production Summary:
Power generated: 43,929 MWh
Wind speed: 10.4 m/s
Capacity Factor: 60.5%

Safety:
No incidents

Compliance:
Project is in compliance

Sound:
No complaints

Shadow Flicker:
No complaints

Environmental:
No incidents
Kittitas Valley Wind Power Project
Annual Emergency Drills

June 2019

The full staff of the Kittitas Valley Wind Power Project participate in 5 annual drills. These annual drills consist of:

- Fire / Office evacuation
- Medical Emergency
- Tower Evacuation
- Severe weather
- Hazardous spill

These drills include EDP Renewables employees and our long-term contractors.

Additionally:

- My HQ in Houston also springs surprise drills on us.
- Our corporate Crisis Response Team runs annual drills based on a selected scenario. Some of these involve field participation and others do not.
- Our local Fire District has run training scenarios at our O&M building.
- We also participate in scheduled and unscheduled drills put on by our OEM contractor, Suzlon.

Since COD 12/2011, the site has run and/or participated in over 55 Emergency drills.

Although I’ve involved external EMS teams in the past at other wind farms, we haven’t engaged Kittitas EMS or Fire and Rescue since our protocol has site personnel responsible for moving an injured worker down tower and to the waiting ambulance or life flight whom we direct to the location as needed. Involving EMS utilizes sparse resources and I don’t feel they were value added and justified the effort. Our lessons learned have typically been around internal communications and not regarding EMS response time or coordination.
Safety
No lost-time accidents or safety injuries/illnesses

Compliance/Environmental
Nothing to report

Operations/Maintenance
Nothing to report

Wind Production
June generation totaled 67,059 MWh for an average capacity factor of 34.17%

Eagle Update
Nothing to report
Safety:

- There were no recordable incidents this reporting period and the plant staff has achieved 1431 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 116,650 MW-hours in May for 2019 Year-To-Date generation equaling 721,895 MW-hours. The YTD capacity factor is 33.3%.

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  

June 2019

Safety and Training
- There were no accidents or injuries during the month and the plant staff has achieved 3832 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 and quarter.

Operations & Maintenance
- Grays Harbor Energy Center (GHEC) operated 18 days during the month, with 6 starts on U1, and 4 start on U2.
- GHEC generated 191,132 MWh during the month and 1,170,800 MWh YTD
- The plant capacity factor was 43% for the month and 44% YTD.
- Annual Maintenance Outage May 13-June 5th.

Noise and/or Odor
- None.

Site Visits
- June 18th, 4 EFSEC Council members (Drew, Stephenson, Brewster, Siemann), 4 EFSEC staff (Bumpus, Kidder, Moon, Henderson), one from AG Office and one member of the public (Montesano) attended the tour.

Other
- A member of the public called asking if we were generating power at our site and general knowledge, or understanding type questions, about the steam being emitted from the cooling tower. I explained the steam cycle and cooling towers function to hi.,
Washington Nuclear Project 1 and 4 (WNP-1/4)
No updates to report.

Columbia Generating Station (CGS)

Refueling and maintenance outage
CGS connected to the grid on June 21, 2019, marking the end of Refueling and Maintenance Outage 24.

National Pollutant Discharge Elimination System (NPDES) Permit
On June 10, 2019, Energy Northwest received a letter from EFSEC requesting additional information regarding the CGS NPDES Permit renewal application. Energy Northwest responded to EFSEC’s questions on June 24, 2019.

On June 25, 2019, EFSEC and Washington Department of Ecology (Ecology) staff visited CGS to walk down the facility’s new Dechlorination Chemical Feed Project. During the visit, Ecology requested copies of the contracts Energy Northwest has in place with GE Betz Inc., now known as Suez Water Technologies Solutions (WTS). Copies of the contract documents were provided to EFSEC and Ecology on July 1, 2019.

Fire Marshal Re-inspection
On June 24, 2019, the State Fire Marshal’s office and EFSEC staff conducted a fire and life safety re-inspection of CGS. During the close out meeting on the same day, the Deputy State Fire Marshal confirmed all open items which are not being appealed have been accepted and will be closed out.
Energy Facility Site Evaluation Council

Non Direct Cost Allocation
for
1st Quarter FY 2020
July 1, 2019 – September 30, 2019

The EFSEC Cost Allocation Plan (Plan) was approved by the Energy Facility Site Evaluation Council in September 2004. The Plan directed review of the past quarter’s percentage of EFSEC technical staff’s average FTE’s, charged to EFSEC projects. This along with anticipated work for the quarter is used as the basis for determining the non-direct cost percentage charge, for each EFSEC project.

Using the procedures for developing cost allocation, and allowance for new projects, the following percentages shall be used to allocate EFSEC’s non direct costs for the 1st quarter of FY 2020:

- Kittitas Valley Wind Power Project 10%
- Wild Horse Wind Power Project 10%
- Columbia Generating Station 25%
- Columbia Solar 13%
- WNP-1 3%
- Whistling Ridge Energy Project 3%
- Grays Harbor 1&2 13%
- Chehalis Generation Project 11%
- Desert Claim Wind Power Project 9%
- Grays Harbor Energy 3&4 3%

Sonia E. Bumpus, EFSEC Manager

Date: 7/9/2019