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WASHINGTON STATE

ENERGY FACILITY SITE EVALUATION COUNCIL

Richard Hemstad Building

1300 South Evergreen Park Drive Southwest

Olympia, Washington

Tuesday, December 16, 2014

1:30 P.M.

MONTHLY COUNCIL MEETING

Verbatim Transcript of Proceedings

TAKEN BY: Katie A. Eskew, CCR, RPR

1 APPEARANCES

2 Council Members Present:

3 Bill Lynch, Chair
4 Liz Green-Taylor, Department of Commerce
5 Cullen Stephenson, Department of Ecology
6 Joe Stohr, Department of Fish & Wildlife

7 Local Government and Optional State Agency:

8 Christina Martinez, Department of Transportation
9 Bryan Snodgrass, City of Vancouver
10 Jeff Swanson, Clark County (via phone)
11 Larry Paulson, Port of Vancouver

12 Assistant Attorney General:

13 Ann Essko, Assistant Attorney General

14 Staff in Attendance:

15 Stephen Posner
16 Jim LaSpina
17 Tammy Mastro
18 Sonia Bumpus
19 Kali Wraspir
20 Joan Aitken
21 Rudi Acevedo, Intern

22 Guests in Attendance:

23 Richard Downen, Grays Harbor Energy Project
24 Mark Miller, Chehalis Generation Facility
25 Jan Aarts, Cardno ENTRIX
Alison Uno, Cardno ENTRIX
Pat Freiberg
Marion Ward
Anlina Thomas
Tom Gordon
Tadas Kisielius, Van Ness Feldman

26 Guests in Attendance via Phone:

27 Bronson Potter, City of Vancouver
28 Jennifer Diaz, Puget Sound Energy
29 Haley Edwards, Puget Sound Energy
30 Shannon Khounnala, Energy Northwest
31 Cassandra Noble, Administrative Law Judge, EFSEC

Kristin Boyle, Quinault Indian Nation

1 OLYMPIA WASHINGTON, DECEMBER 16, 2014, 1:30 P.M.

2
3 P R O C E E D I N G S
4

5 CHAIR LYNCH: Let's go ahead and get
6 started.

7 Good afternoon. Today is December 16th, 2014, the
8 December regularly scheduled monthly meeting of the
9 Energy Facility Site Evaluation Council.

10 Could we please have the staff call the roll.

11 MS. MASTRO: Department of Commerce?

12 MS. GREEN-TAYLOR: Liz Green-Taylor
13 here.

14 MS. MASTRO: Department of Ecology?

15 MR. STEPHENSON: Cullen Stephenson
16 here.

17 MS. MASTRO: Department of Fish &
18 Wildlife?

19 MR. STOHR: Joe Stohr here.

20 MS. MASTRO: Department of Natural
21 Resources?

22 CHAIR LYNCH: Excused.

23 MS. MASTRO: Utilities Transportation
24 Commission?

25 CHAIR LYNCH: Excused?

1 MS. MASTRO: Local governments and
2 optional state agencies.

3 Department of Transportation?

4 MS. MARTINEZ: Christina Martinez
5 here.

6 MS. MASTRO: City of Vancouver?

7 MR. SNODGRASS: Bryan Snodgrass here.

8 MS. MASTRO: Clark County?

9 MR. SWANSON: Jeff Swanson on the
10 phone.

11 MS. MASTRO: Port of Vancouver?

12 MR. PAULSON: Larry Paulson here.

13 MS. MASTRO: There is a quorum.

14 CHAIR LYNCH: Thank you.

15 And could we please have the council members look
16 through the proposed agenda, see if they would like to
17 make any additions. I'd like to point out one small
18 change to the agenda, and that's we're going to do Tesoro
19 last and we're going to have other updates before that
20 because we're going to be spending quite a bit of time on
21 Tesoro today.

22 And part of what we're going to be discussing under
23 the other updates is the declaratory order that had been
24 filed with the Council, and we did receive a couple of
25 protests to us issuing the declaratory order, but we'll

1 go into more detail later. And I understand that someone
2 may wish to address the Council regarding the declaratory
3 order, but we'll see later on.

4 And just to point out for the Council's benefit that
5 no action items are going to be taken today, and I
6 apologize for the cancellation of the executive session
7 that was regularly scheduled, I believe it was December
8 10th, but we had determined after looking through what
9 was going to be presented to the Council, that even
10 though there's a lot of interweaving of legal analysis
11 and the data, that it was more appropriate for the data
12 to be presented separately to the council members so that
13 the public could benefit from hearing what that data
14 update would be and then we would do the legal discussion
15 in executive session later.

16 And so we just thought for the benefit of the public
17 it would be better for them to -- for them to listen in
18 on the gaps analysis that's going to be presented under
19 Tesoro.

20 And is there anybody on the phone who wishes to
21 identify themselves for the record?

22 MS. CURRIE: This is Natalie Currie
23 with EDP Renewables.

24 MR. POTTER: Bronson Potter with City
25 of Vancouver.

1 MS. DIAZ: Jennifer Diaz with Puget
2 Sound Energy.

3 MS. EDWARDS: Haley Edwards with Puget
4 Sound Energy.

5 MS. KHOUNNALA: Shannon Khounnala with
6 Energy Northwest.

7 MS. NOBLE: Cassandra Noble,
8 administrative law judge, EFSEC.

9 MS. BOYLE: Kristin Boyle representing
10 the Quinault Indian Nation.

11 CHAIR LYNCH: Very good.

12 And I wanted to thank Shelby, our court reporter
13 from last time, she's not here today, we have a different
14 court reporter, but she did wonderful work in being able
15 to prepare the minutes for the Council to look at today
16 because you might remember, we had quite a bit of
17 problems with our sound system last time. There was a
18 lot of feedback coming through the system, and that was
19 partly due to people who were listening in on the phone
20 system not muting their phones.

21 So I'd encourage everybody to mute their phones, if
22 you haven't done so far. And the other problem was that
23 there was a number of side conversations that were going
24 on with people who were over the phone and we were
25 able -- and that was coming through loud and clear while

1 we were trying to have a Council discussion. And
2 unfortunately, it was one of the more important parts of
3 our Council briefing that day because Mr. Posner was
4 giving us an update on EFSEC's relationship between our
5 consultant and the City of Vancouver and how they -- and
6 all those efforts on getting a consultant lined up for
7 the Fire Protection Emergency Risk Assessment. So that
8 is in the minutes for today.

9 If a council member had trouble sorting all through
10 that, then you can certainly review the minutes and help
11 refresh your -- your memory.

12 And with that, let's turn to the meeting minutes for
13 November 18th -- oh, I had asked if anybody -- for the
14 council members to look over the proposed agenda. Are
15 there any changes other than the one that I recommended?

16 Okay. Very good.

17 So let's go ahead and take a look at the meeting
18 minutes for November 18th, 2014. Are there any
19 recommended corrections to that?

20 Mr. Stephenson?

21 MR. STEPHENSON: Thank you, Mr. Chair.
22 On Page 23, Line 24 -- and again, thank you for thanking
23 our reporters, they do a wonderful job. And on that Line
24 24 it says "a particular matter" and it should say
25 "particulate matter."

1 CHAIR LYNCH: I see that. Thank you.

2 Any other suggested changes?

3 With that I would entertain a motion for approval of
4 the November 18th minutes as corrected.

5 MR. STEPHENSON: I'll so move.

6 CHAIR LYNCH: Do we have a second?

7 MS. GREEN-TAYLOR: I'll second.

8 CHAIR LYNCH: It's been moved and
9 seconded that we approve the council minutes from
10 November 18th as corrected.

11 All those in favor say "aye."

12 MULTIPLE SPEAKERS: Aye.

13 CHAIR LYNCH: Opposed? Motion
14 carries.

15 Now let's turn to the minutes from the November 21st
16 meeting. Are there any suggested corrections to this?

17 Mr. Stephenson.

18 MR. STEPHENSON: Sorry, Mr. Chair, to
19 be a pest. Page 5, Line 14, my first name is misspelled.
20 I'm sorry to have a difficult name, but it's C-U-L-L-E-N.
21 Thank you.

22 CHAIR LYNCH: Thank you.

23 MS. ESSKO: Chair Lynch, I have a
24 correction. This is Ann Essko with the attorney
25 general's office. On Page 2 it says -- it has my name

1 listed but above my name it says "Washington State
2 Building Code Council," and I'm not sure why there's the
3 reference to the building code council.

4 CHAIR LYNCH: So we will strike that,
5 and hopefully you weren't trying to send us a message.

6 MS. ESSKO: No.

7 CHAIR LYNCH: So that line will be
8 stricken on Page 2 right above your name.

9 Any other changes?

10 If not, I will entertain a motion to adopt the
11 November 21 minutes as corrected.

12 MS. GREEN-TAYLOR: Chair, I'll move to
13 adopt.

14 CHAIR LYNCH: It's been moved that we
15 adopt the minutes from the November 21st meeting as
16 corrected. Do we have a second?

17 MR. STEPHENSON: I'll second.

18 CHAIR LYNCH: It's moved and seconded
19 that we approve the minutes from the November 21st
20 meeting as corrected.

21 All those in favor say "aye."

22 MULTIPLE SPEAKERS: Aye.

23 CHAIR LYNCH: Opposed? Motion
24 carries. Thank you.

25 MR. POSNER: Chair Lynch?

1 CHAIR LYNCH: Yes.

2 MR. POSNER: Excuse me. One thing to
3 note for folks who are on the phone, we will have a
4 PowerPoint presentation as part of our Tesoro update, and
5 that PowerPoint presentation is posted on our website.
6 If folks want to follow along, it is on our website.

7 CHAIR LYNCH: And I believe that it's
8 on our home page under the "Project Highlights."

9 MR. POSNER: That's correct.

10 CHAIR LYNCH: Thank you.

11 So once we get to the PowerPoint presentation, if
12 people want to follow along, they'll go to our home page
13 and then look under "Project Highlights" and they should
14 be able to find it there.

15 So I think at this point we're ready for an update
16 regarding the Kittitas Valley Wind Project.

17 MS. CURRIE: Good afternoon, Chairman
18 Lynch and members of the EFSEC council.

19 CHAIR LYNCH: I'm sorry. I'm going
20 to -- we're going to turn the phone up a little bit
21 because we're having trouble hearing you. If you
22 wouldn't mind speaking a little louder too.

23 MS. CURRIE: I'm sorry. I said good
24 afternoon, Chair Lynch and members of the EFSEC Council.
25 Natalie Currie with EDP Renewables for the Kittitas

1 Valley Wind Power Project, and we have nothing nonroutine
2 to report.

3 CHAIR LYNCH: So no complaints, no
4 incidents, and nothing to report. Very good.

5 MS. CURRIE: Correct.

6 CHAIR LYNCH: Any questions regarding
7 the Kittitas Valley Wind Power Project?

8 No?

9 So we'll go ahead and move to the Wild Horse Wind
10 Power Project.

11 MS. DIAZ: Thank you, Chair Lynch.
12 Can you hear me okay?

13 CHAIR LYNCH: Yes, thank you.

14 MS. DIAZ: Okay. For the record, my
15 name is Jennifer Diaz. I'm the environmental manager for
16 Puget Sound Energy at the Wild Horse wind facility.

17 The only nonroutine update I have is related to the
18 development of the Eagle Conservation Plan. We are
19 making good progress on the development of the plan.
20 We've had two meetings with the Fish & Wildlife Service
21 and they are in the process of reviewing a draft of the
22 plan.

23 Once we receive comments back from them, we'll
24 incorporate them into the plan and finish the preliminary
25 draft for submission. And then once the preliminary

1 draft is submitted to Fish & Wildlife Service, we will
2 continue to consult with them throughout the process.

3 We're also looking into conducting eagle youth
4 surveys and eagle fatality monitoring at Wild Horse in
5 2015. Western Ecosystems Technology are developing
6 protocols for the monitoring which we will share with the
7 TAC in early 2015.

8 And that's all I have.

9 CHAIR LYNCH: Thank you. And could
10 you remind me, Ms. Diaz, once Fish & Wildlife completes
11 its review, is there any further role for the Council? I
12 mean, I know it would be presented to the Council, but
13 does that require any council action for approval?

14 MS. DIAZ: No. This is going through
15 the Fish & Wildlife Service process.

16 CHAIR LYNCH: Oh. U.S. Fish &
17 Wildlife?

18 MS. DIAZ: It will go through NEPA
19 review --

20 CHAIR LYNCH: Okay. Yes. Thank you.

21 MS. DIAZ: -- the plan will, but we
22 will share a draft with the Council.

23 CHAIR LYNCH: Okay. Very good. Thank
24 you.

25 Any questions for Ms. Diaz? Very good.

1 Now we'll have an update regarding the Chehalis
2 Generation Facility. Mr. Miller.

3 MR. MILLER: Is it fine from the
4 chair?

5 CHAIR LYNCH: We have a --

6 MR. POSNER: Could you come up here,
7 Mr. Miller? We'll move the microphones so you can speak
8 into that.

9 CHAIR LYNCH: It just makes it easier
10 for us to -- for you to be heard and for us to do our
11 recording.

12 MR. MILLER: Good afternoon, Chair
13 Lynch and Council Members. My name is Mark Miller. I'm
14 the plant manager at the PacifiCorp Energy Chehalis
15 generating facility.

16 I have a few nonroutine comments to make on
17 greenhouse gas mitigation status. I gave -- I provided
18 Mr. LaSpina a document detailing kind of the summary of
19 what we've contracted for and what our commitments are
20 now going forward that we are recommending to staff and
21 Council and that we would ask for review and approval by
22 the Council at some point in the near future so that we
23 can proceed.

24 Once staff has had an opportunity to review the
25 specifics of the proposal, PacificCorp intends to request

1 the approvals noted.

2 We're committing -- PacifiCorp is committing
3 \$203,500 toward the installation variable frequency
4 drives on the closed cooling water system which maintains
5 cooling of the loop oil systems within the plant
6 facility.

7 We are committing to 181,500 for the installation of
8 high-efficiency lighting on the plant site, and we're
9 committing 121,000 for the installation of variable
10 frequency drives on the reverse osmosis pumps in our
11 water treatment complex.

12 So the net energy savings for those three projects
13 is 1,098 megawatt hours per year which equates to 217.5
14 tons of CO2 per year or 6,500 tons over a 30-year period.

15 Therefore, the contract and commitment with the
16 National Climate Trust to purchase 70,000 tons of
17 verifiable emission reductions and the 506,000 for plant
18 efficiency projects total 1.4 million which includes the
19 160,000 already spent for the first set of VERs delivered
20 by the Climate Trust to PacificCorp, and that leaves
21 103,000 headroom for EFSEC administrative fees and for
22 project cost overruns on the energy efficiency.

23 And that's all I have.

24 CHAIR LYNCH: Mr. LaSpina, did you
25 have anything to add to this?

1 MR. LASPINA: No, sir.

2 CHAIR LYNCH: Okay.

3 MR. LASPINA: Unless you have a
4 specific question or something.

5 CHAIR LYNCH: I'm sorry. I'm just
6 getting the different facilities, they're all running
7 through my head all at the same time, so I'm trying to
8 remember if there was anything regarding -- oh, the --
9 wasn't the Council going to update its list?

10 MR. LASPINA: Oh, yes. Sorry. I
11 thought it was going to be under the "Other" rather than
12 the "Project" so I was -- but I have some bullets here.

13 The current greenhouse gas mitigation laws of the
14 state of Washington require EFSEC to maintain a list of
15 independent qualified organizations. And I will tell you
16 what that means.

17 Independent qualified organizations are
18 organizations not connected to the permittee and
19 recognized by the Council to receive payment for
20 selection, monitoring, and evaluation of CO2 emissions
21 mitigation activities.

22 So basically, one of the options that a permittee
23 has to implement CO2 mitigation is to give mitigation
24 funds to one of these IQOs, and these -- these
25 organizations are certified to monitor and verify that

1 the projects are doing what they say will do, such as
2 basically related to mitigation of CO2 emissions.

3 So the existing list was established in 2008 when
4 the laws were passed, or at least the rule was issued,
5 and so the staff feels it's time to reopen the list and
6 solicit new organizations. EFSEC staff will soon issue a
7 request for qualifications to solicit additional IQOs for
8 the list.

9 EFSEC staff will review the proposals and compare
10 each candidate's qualifications to the requirements in
11 the rule, so there's sort of a vetting process. All
12 organizations that fulfill the requirements in the rule
13 will be presented to the Council and the Council has the
14 final say on whether they are added to the list.

15 And I might also add that if one of the three
16 organizations on the list wants to be removed, you can do
17 that also.

18 So I can answer any questions you may have.

19 CHAIR LYNCH: And so you would
20 anticipate that we would do that sometime early next
21 year?

22 MR. LASPINA: Yes. Yes, sir.

23 CHAIR LYNCH: Okay. And one other
24 question I -- just for the Council's information, it's
25 not really a question, but I directed staff to see how

1 some other agencies such as Ecology maintain their list.
2 Is it something that they regularly open up on a periodic
3 basis for different consultants or contractors? Do they
4 do it, like, every -- you know, the first of every
5 January or how do they do it?

6 MR. LASPINA: Actually, I have a
7 response to that question.

8 CHAIR LYNCH: Yes.

9 MR. LASPINA: They use our list.

10 CHAIR LYNCH: I wish I could say that
11 was comforting. Very good. Thank you.

12 MR. LASPINA: Yes.

13 CHAIR LYNCH: Any questions for
14 Mr. LaSpina or Mr. Miller?

15 Council Member Stephenson.

16 MR. STEPHENSON: Thank you, Chair.

17 So can I assume that, Jim, you and staff are going
18 to bring a recommendation back about this mitigation
19 proposal for us to consider?

20 MR. LASPINA: Yes. Yes.

21 CHAIR LYNCH: All right. We were --
22 Mr. Stephenson, you're probably remembering that I had
23 encouraged everyone to try and wrap it up this year, but
24 there was -- we just need a little more time for a little
25 more evaluation, and we'll anticipate the Council will be

1 dealing with this fairly soon.

2 MR. STEPHENSON: Thank you. I'm just
3 making sure it's not getting done today, I wanted to hear
4 the answers.

5 MR. LASPINA: I just got the proposal
6 today, so...

7 MR. STEPHENSON: Okay. Got it.

8 MR. MILLER: And Mr. Chair, this is
9 Mark Miller again. There may be some questions back and
10 forth providing more technical information to staff to
11 have others evaluate, see if our calculational
12 methodologies are correct.

13 CHAIR LYNCH: Right. I appreciate
14 that, Mr. Miller. And we're much further down the road
15 than when we started last year --

16 MR. MILLER: Yes, we are.

17 CHAIR LYNCH: -- so I appreciate that.

18 Thank you, Mr. Miller.

19 MR. MILLER: Thanks.

20 CHAIR LYNCH: Let's have an update
21 from Grays Harbor Energy Center. Mr. Downen.

22 MR. DOWNEN: Good afternoon, Chair
23 Lynch, Council. I'm Rich Downen. I'm the plant manager
24 at Grays Harbor Energy.

25 The monthly report for November I have no out of

1 ordinary comments, although, Mr. LaSpina asked me to
2 comment on the status of noise monitoring equipment and
3 if we've had any progress on that. And we have that
4 budgeted for 2015 to install equipment. So at this point
5 it is our intention to do that.

6 CHAIR LYNCH: Very good. Thank you.
7 We much appreciate that, because the Council, as you
8 know, has a responsibility to respond to complaints, and
9 we certainly are -- until there is some noise monitoring
10 equipment installed, it's an empty remedy because we have
11 no ability to respond. So certainly appreciate Grays
12 Harbor Energy's stepping up and addressing this. So
13 we're very appreciative. Thank you.

14 And Mr. LaSpina, would you prefer to wait until the
15 end under "other" to talk about a few things about Grays
16 Harbor or would you rather deal with it now?

17 MR. LASPINA: We -- we can deal with
18 it now.

19 CHAIR LYNCH: Okay. Your preference.

20 MR. LASPINA: Well, we -- we have
21 initiatives, we have some permit revisions going on now
22 at Grays Harbor Energy. The engineering report to
23 support a new NPDES permit which is a waste water
24 discharge permit is being picked up again. It was in a
25 short hiatus but is being picked up again.

1 EFSEC staff is working with the Department of
2 Ecology on that engineering report. The expectation is
3 that when the engineering report is finished and
4 approved, which the Council will get to vote on approval
5 when the time comes, then that engineering report will
6 feed directly into a new updated permit that will very
7 closely reflect how the facility actually runs rather
8 than the way we thought it would run when the permit was
9 written before the facility actually ran.

10 Also, the Prevention of Significant Deterioration
11 permit is an air quality permit under revision by the
12 Environmental Protection Agency at this time, and
13 there's -- the permit writer at EPA has just picked it
14 up, so I don't have anything solid to report at this
15 time, but EFSEC staff expects to move ahead with this and
16 get that -- get those permit revisions finalized and then
17 we can issue.

18 Once that's finalized and approved by the Council
19 for issuance, then we can also issue the Title 5 permit.

20 CHAIR LYNCH: Thank you, Mr. LaSpina.
21 And I'm very happy to hear that EPA has picked up the PSD
22 permit again because this facility has been operating a
23 long time without EPA -- without the EPA permit. And as
24 Mr. LaSpina indicated, there's a set of dominos: Once
25 you -- you need this permit to get the air operating

1 permit, then there's all these other things that flow
2 from that. So we're hoping to work things out with EPA
3 and with our facility and they can have all the permits
4 that they need instead of being in limbo. I'm sure
5 that's a frustrating experience for them. So I'm glad
6 that we're making progress.

7 MR. LASPINA: I just want to clarify,
8 Chair Lynch, that the facility does have a permit now.
9 It's just some -- some ambiguous language in the existing
10 permit made it a little bit challenging to determine
11 compliance, and so now the revisions will clarify those
12 ambiguities and we can move ahead.

13 CHAIR LYNCH: You're correct. It is a
14 revised permit. Thanks for the correction.

15 Any questions for Mr. Downen or Mr. LaSpina
16 regarding the Grays Harbor Energy Center?

17 Thank you.

18 So it's time for one of our favorite people to
19 report, Ms. Khounnala, with Columbia Generating Station
20 and WNP 1 and 4.

21 MS. KHOUNNALA: Well, thank you. Good
22 afternoon, Chair Lynch, and the Council.

23 In regard to Columbia Generating Station, the only
24 item to report this month is that this week Columbia
25 Generating Station is marking 30 years of operations

1 since Columbia Generating Station first began. Since
2 that time in 1984 we've generated more than 214 million
3 net megawatt hours of electricity. So we had a
4 celebration this Monday and this is a memorable period
5 for us.

6 Outside of that, we have no other nonroutine items
7 to report on Columbia.

8 CHAIR LYNCH: Congratulations. Do you
9 want to just go ahead and do WNP 1 and 4?

10 MS. KHOUNNALA: Sure. So this week
11 the water -- water rights permit issued by the Department
12 of Ecology, their final report called the Report of
13 Examination, the 30-day appeal period ended this past
14 week. At this time we don't know if any appeals were
15 filed. We expect to hear from the Department of Ecology
16 and/or the Department of Energy later this week. If no
17 appeals were filed, then we expect the Department of
18 Ecology to issue that permit, and at this time we expect
19 to receive that permit in late December.

20 CHAIR LYNCH: Very good.

21 Mr. LaSpina, I'm trying to think if we had anything
22 regarding Columbia or WNP 1 and 4.

23 MR. LASPINA: Yes. Yes, Chair Lynch.
24 This involves, this item involves for the Columbia
25 Generating Station, you may remember some time ago the

1 Council approved an engineering report and an O&M manual
2 for the new evaporation ponds waste water treatment
3 system. This -- this current item is called the Fugitive
4 Radionuclide Emission License for those very same
5 evaporation ponds. The license basically addresses
6 fugitive emissions from the ponds.

7 It contains monitoring requirements, sampling
8 requirements, those sorts of things. It's an effort to
9 quantify and document any sort of emissions from these
10 ponds that can occur when there's been water in the ponds
11 and then they dry up because of the hot climate, or it's
12 very windy out there, I don't know how familiar you are
13 with the Richland area, but it's very windy and sometimes
14 sediments blow into the ponds.

15 So the license is actually drafted by the Department
16 of Health and will eventually be issued by the Council.

17 So I just have a couple of bullets here. At this
18 time Energy Northwest is preparing a SEPA checklist for
19 the issuance of the license. After EFSEC receives the
20 check -- the SEPA checklist and reviews it, the EFSEC
21 manager will issue a SEPA determination. Then EFSEC
22 staff will implement the appropriate public notice
23 procedures which can change depending on the
24 determination, and after the end of public notice, the
25 Council will vote to issue the license taking into

1 account any public comments we may receive.

2 CHAIR LYNCH: Very good. It's -- I
3 think -- and again, this is another effort that I'm glad
4 to see is coming to a conclusion. Thank you.

5 Any questions for Ms. Khounnala or Mr. LaSpina
6 regarding Columbia Generating Station or WNP 1 and 4?

7 Thank you very much.

8 And now we're going to skip over Tesoro and we're
9 going to go into other updates. Mr. Posner? And we've
10 covered a number of these as Mr. LaSpina filled us in on
11 a number of these, but please go ahead.

12 MR. POSNER: Good afternoon, Chair
13 Lynch, Council Members. I just have about four quick
14 updates on various items, and the first one is related to
15 the Amon Creek matter. As Council Members recall, a
16 couple months ago I updated council members on an issue
17 concerning the City of Richland and some action that they
18 had taken on a piece of property called the Amon Creek
19 property which was a mitigation property set aside for
20 the -- to compensate for the decommissioning of the WNP 1
21 and 4 site.

22 And I just want to update you that the City of
23 Richland is in the process of developing a remediation
24 plan for the actions that they took which were did not
25 comply with the overall use plan for that property, and

1 we expect that that plan will be submitted within the
2 next couple months.

3 The Department of Transportation is taking lead on
4 reviewing that plan. The Department of Ecology and EFSEC
5 will have an opportunity to look at the plan and to
6 provide input on the actions that the City will be
7 recommending. So that's the Amon Creek property.

8 CHAIR LYNCH: Before we move on, let's
9 ask if there's any questions regarding Amon Creek.

10 Thank you. Please continue.

11 MR. POSNER: Okay. The next item is
12 concerning the declaratory order matter for the Imperium
13 and Westway Grays Harbor County proposed crude-by-rail
14 projects. As Council Members know, we did receive a
15 petition from Earthjustice representing the Quinault
16 Indian Nation requesting the Council to issue a
17 declaratory order on this -- on the regulatory
18 jurisdiction issue surrounding these two proposed
19 projects.

20 We issued two notices. The last notice set some
21 deadlines for documents to be filed. The first date was
22 December 12th, which was Friday, for objections to be
23 filed. We received two objections. They are posted on
24 our website. The objections were filed by Westway and
25 Imperium. The next target date is 12/17 which is, I

1 believe, tomorrow.

2 CHAIR LYNCH: Actually, let me
3 interject. Someone can still file a response, but that
4 was the response that you got from Imperium and -- wait.
5 Excuse me. I'm wrong. Those were -- I should think
6 before I speak. Please continue.

7 MR. POSNER: Right. The responses to
8 the objections are due tomorrow. And then the -- there
9 is also an opportunity for replies to the responses which
10 will be due on the 22nd. So we'll keep the Council
11 updated. I expect that we will be reviewing this
12 information with the Council before any action is taken
13 by the Council.

14 CHAIR LYNCH: And I just wanted to say
15 that we would wait for the reply, any reply to be filed
16 before we give the packet to the council members, and
17 then we would at that point in time give them the
18 objections, the response, and the reply as a single
19 package and then we would schedule a council meeting
20 shortly after that to -- an executive session to discuss
21 the briefings that you've received.

22 And I want to wait until there's a reply before
23 we -- the Council acts, but I would just note that
24 there's no stay request filed with the Council at this
25 time, and the Council intends to act rather quickly on

1 this briefing. So I -- so I just wanted to pass that
2 information along for those of you who are listening.

3 Is there anything else regarding the request for
4 declaratory order?

5 MS. GREEN-TAYLOR: I have a question,
6 Chair.

7 CHAIR LYNCH: Yes, Mrs. Green-Taylor.

8 MS. GREEN-TAYLOR: I just wanted to
9 clarify the responses, those aren't from us. Those are
10 from other parties, outside parties --

11 CHAIR LYNCH: Correct.

12 MS. GREEN-TAYLOR: -- is that correct?

13 CHAIR LYNCH: Normally with a briefing
14 you have -- someone files an initial brief and then the
15 other parties opposed to that have a chance to file a
16 response, and then the person who filed the initial
17 motion files a reply. So that's typically how a motion
18 works. And so that's -- that's how we're treating this.

19 MS. GREEN-TAYLOR: Okay. Thank you.

20 CHAIR LYNCH: And am I correct, was
21 there any interest in anyone addressing the Council
22 regarding the declaratory order?

23 MR. POSNER: Chair Lynch, the
24 applicant's representative is here for Tesoro/Savage and
25 they wish to address the Council on the Tesoro matter.

1 CHAIR LYNCH: And we also have the
2 representative who filed the initial declaratory order on
3 the phone, I believe, and they can -- so I'll -- why
4 don't we just depart from our agenda just for the moment
5 and let -- while we're on this declaratory order just let
6 them address the Council.

7 So Mr. Kisielius, did you want to say anything?

8 MR. KISIELIUS: I have nothing. I was
9 not prepared to address the Council on that particular
10 topic today.

11 CHAIR LYNCH: Okay.

12 MR. POSNER: Today he is representing
13 the applicant Tesoro/Savage.

14 CHAIR LYNCH: Oh, excuse me. You're
15 right.

16 MR. POSNER: And he wishes to speak to
17 the Council concerning that project.

18 CHAIR LYNCH: I'm sorry. My
19 apologies. Sometimes things mush together in my head. I
20 know something's important. I just don't know where it
21 fits.

22 MR. POSNER: We do have two other
23 update items.

24 CHAIR LYNCH: Please go ahead.

25 MR. POSNER: Tammy Talbert [sic] will

1 give you an update on one item, and then Jim LaSpina will
2 give you a quick update on one other item.

3 CHAIR LYNCH: Please go ahead.

4 MS. MASTRO: Chair Lynch, I wanted to
5 report to you that UTC on behalf of EFSEC issued a
6 request for proposal for an independent consultant
7 service on -- for on-call environmental consultant and
8 decommissioning plan review on December 2nd. The
9 proposals are due on the 19th. There will be a review
10 period from the 19th to January 2nd and announcement of
11 an apparent successful contractor on the 8th.

12 CHAIR LYNCH: And Ms. Mastro, could
13 you or Mr. Posner just say briefly why it is that we are
14 sending this RFP out?

15 MS. MASTRO: We have two tasks set up
16 for the RFP. One is to review and evaluate the initial
17 site restoration plans before the EFSEC regulated
18 facilities, and the other part of that is to provide
19 on-call environmental consulting services for EFSEC.

20 Does that help?

21 CHAIR LYNCH: Thank you.

22 MS. MASTRO: We'll keep you informed
23 on the process as it progresses.

24 CHAIR LYNCH: Very good. Because one
25 of the things, of course, EFSEC, as you recall, we're a

1 cradle-to-grave oversight entity where not only do we
2 ensure that once a facility is approved we have a
3 contractor on-site to make sure that the construction
4 follows the plans that were approved by EFSEC, but we
5 actually oversee the decommissioning of these facilities
6 when they're ready to close, and we wanted to make sure
7 that the amount of security deposit with these facilities
8 was adequate to allow for decommissioning to occur and
9 then just for someone to actually review what plans there
10 were. So it's just a good oversight practice that we're
11 implementing.

12 And you had something else, Ms. Mastro?

13 MS. MASTRO: That's all I have, sir.

14 CHAIR LYNCH: Any questions for
15 Ms. Mastro? Thank you.

16 MR. POSNER: Mr. LaSpina had a quick
17 update on air rules.

18 CHAIR LYNCH: Oh, good.

19 MR. LASPINA: Chair Lynch and Council
20 Members, this agenda item addresses the revision of
21 EFSEC's air quality rule. The rule is outdated and needs
22 to be revised. So EFSEC staff has been working on
23 revision of its air quality rule for quite some time.

24 The draft -- the current draft air rule revision has
25 received preliminary review by Ecology and EPA and they

1 feel it's -- it's ready for public notice.

2 Also, EFSEC staff will use the expedited process for
3 rule adoption by reference and is preparing to go to
4 public notice. So basically what EFSEC does is we adopt
5 by reference Ecology's rules that have already undergone
6 the public process and Ecology has addressed whatever
7 concerns were relevant.

8 And so we use an expedited process, rule adoption
9 process, which is sort of an abbreviated process.
10 There's still a public notice period, but the process is
11 fairly streamlined. And then once the rule goes through
12 public process and we get public comments, then the
13 Council would be able to vote to approve the rule.

14 CHAIR LYNCH: So the Council will be
15 receiving the proposed rules and the comments after we've
16 gone through the comment process. And the fact that
17 these are, just as Mr. LaSpina indicated, just bringing
18 our rules up to date with what Ecology already requires
19 at their facilities, we didn't feel that there was a need
20 to circulate those proposals to the Council prior to
21 receiving the comments, so...

22 MR. LASPINA: I would add just as
23 clarification that the relevant statutes require that
24 EFSEC's rules be consistent with Ecology's rules. So
25 that's another motivation to get this done.

1 CHAIR LYNCH: Right. And you might
2 remember last council meeting we talked a little bit more
3 about this process and thanked Ecology and Mr. LaSpina.
4 So I'm not going to thank you again. I've already done
5 that.

6 MR. LASPINA: Can I have your cookie?

7 CHAIR LYNCH: Any questions for
8 Mr. LaSpina regarding the air rules? Mr. Stephenson.

9 MR. STEPHENSON: Thank you, Chair
10 Lynch.

11 Looking forward, my guess is that by the time you
12 have this revision done to catch up with Ecology's rules
13 that Ecology's rules will have changed because we're
14 trying to keep up with the federal rules. So I'm trying
15 to wonder if there's a way that we can all work together
16 to -- you're adopting by reference, which is a really
17 good thing, but I don't think that works -- when ours
18 change, your reference can't change along with that, I
19 don't think, but if we can work together somehow at some
20 point to try to follow this because we keep changing. We
21 just got last Wednesday a new ozone federal standard that
22 came down, we'll be changing for that.

23 So this is a moving target that you're trying to
24 keep up that I'm trying to -- maybe somehow we can get
25 together within the proper legal framework and talk about

1 how we can make sense out of this whole thing.

2 MR. LASPINA: We're already behind.

3 CHAIR LYNCH: Yeah, but that's a good
4 comment, Mr. Stephenson, and we'll see what we can do
5 about that. But you say it's a moving target. Well, our
6 target hasn't moved for a long, long time, so we're
7 really happy that we're at this point where we can be in
8 the 21st century with our air rules.

9 MR. STEPHENSON: I agree, Chair, and
10 I'm not trying to make you tired before you're even done
11 with the existing process because I applaud the effort to
12 do that.

13 MR. POSNER: Chair Lynch, one thing
14 I'd just add to that is that we have worked very closely
15 with the Department of Ecology and we really thank --
16 thank the Department of Ecology for their assistance
17 because they have dedicated staff to assist us and the
18 service has been outstanding. So there is that issue
19 that we've dealt with in the past that will continue, but
20 we have a commitment from them to help us stay updated to
21 the extent we can.

22 MR. STEPHENSON: Good. Just as a
23 note, I am aware of six different rules that are under --
24 we're not actively doing them, but six already on the
25 books and then ozone will be a seventh and then whatever

1 comes up during session may mean several more. So just
2 keep watching for new changes and we'll try to help or
3 they'll try to help.

4 CHAIR LYNCH: Thank you.

5 Any other questions or comments?

6 Are we ready for Tesoro? I'd like to -- if so, I'd
7 like to say just a few words before we start on the
8 Tesoro presentation by the staff, and it's just
9 recognizing that this is the first time that EFSEC has
10 operated in this fashion where the council members have
11 input this early in the process.

12 And prior to this particular project, council
13 members would not even comment on the EIS until after the
14 draft came back I believe for public comments, or at
15 least the staff would say This is going out for public
16 comment, and it would just be that notice provided to the
17 council members. But we are really making an effort to
18 have -- to allow council members to take an active part
19 in review of this -- of the draft EIS early in the
20 process, and I'm still convinced that although this will
21 take a few weeks of time for council members to take
22 review of this, that in the long run, this will result in
23 time being saved at the back end of the process. I also
24 think it will result in a better project.

25 So as I mentioned earlier that we had -- the

1 executive session was canceled so that we could have this
2 presentation regarding the data from both our staff
3 person and our consultants, but because we are trying to
4 maintain that separation between legal discussion and
5 presentation of data, I would -- council members
6 certainly can ask questions, but I would not like council
7 members to -- I would prefer if council members not ask
8 questions regarding the legal sufficiency of something.
9 In fact, I will gavel you down if something sounds like
10 that to me because we're not trying to discuss any
11 sufficiency with legal standards today. We're just
12 trying to understand what sort of information is being
13 collected, how are the studies being done, and the
14 council members can think about that.

15 And as part of the presentation, staff will be going
16 through a timeline, and one of the things we will not be
17 talking about today are proposed alternatives because
18 that's something that we will be discussing later after
19 our assistant attorney general has had an opportunity to
20 provide us with some more information in an executive
21 session regarding the SEPA requirements and how we -- how
22 all this information is going to fit within the SEPA
23 requirements.

24 So I just wanted to provide that background, and
25 with that, Ms. Bumpus, please take over.

1 MS. BUMPUS: Thank you for those
2 comments, Chair Lynch. Good afternoon, Council Members.

3 I'm going to start with the project update and I'm
4 just going to talk about the application review and the
5 permits and where they are because we'll have the
6 presentation of the gap analysis following that.

7 So for the application review and permits, the
8 review of the ASC has been ongoing, and in the coming
9 weeks EFSEC is going to provide comments to the applicant
10 based on review of their draft oil spill contingency plan
11 that was provided in the appendices of the February 2014
12 application and will also be providing comments on the
13 air quality and emission information in the ASC.

14 For the notice of construction permit and the ASC
15 comments relative to air quality emissions, our ecology
16 air quality contractor is currently reviewing the ASC
17 materials and the NOC air permit application materials
18 and we are expecting to hear the results of that review
19 by mid January 2015 and we'll be providing that
20 information to the applicant and will keep you posted on
21 what we hear back after that review concludes.

22 For the HPA permit, the hydraulic project approval
23 permit, EFSEC received a list of preliminary advisory
24 provisions in a memo from the Department of Fish &
25 Wildlife. We are reviewing that, and that review was

1 done based on DFW's review of the February 2014 JARPA
2 application form that was also provided in the
3 application.

4 So this information will be reviewed, packaged, and
5 shared with the applicant, and we're going to continue to
6 coordinate with DFW and the applicant to provide
7 additional input and additional reviews as necessary.
8 And we'll keep you posted on updates with regard to the
9 HPA permit as it develops.

10 For the NPDES permit this is the last permit that
11 I -- that I will talk about. EFSEC's currently on
12 standby to receive additional information from the
13 applicant that we requested after the Department of
14 Ecology permit writers contracted with EFSEC performed a
15 review of the NPDES stormwater construction and
16 industrial permit applications. That letter was dated
17 August 1st, 2014, and we do understand from the applicant
18 that they do plan to provide that information. We just
19 do not have a date set as to when we'll receive it. So
20 we will also keep you updated on that.

21 Before going further into the presentation, are
22 there any questions about the application permit updates?

23 CHAIR LYNCH: No. Please continue.

24 MS. BUMPUS: Okay. At this time we're
25 going to begin our presentation of the gap analysis

1 findings, and I would like to introduce Jan Aarts from
2 Cardno ENTRIC. As you know, Cardno ENTRIC is EFSEC's
3 independent consultant and EFSEC has been coordinating
4 the gap analysis with them, and Jan will be covering some
5 of the information that we'll be presenting here today.

6 The purpose --

7 CHAIR LYNCH: Excuse me. Do you want
8 to introduce Ms. Uno as well?

9 MS. BUMPUS: Sorry. We also have
10 Alison Uno. She's also with Cardno ENTRIX and I've also
11 been coordinating with her to work on the gap analysis
12 and she may be presenting some information as well to
13 Council.

14 CHAIR LYNCH: Thank you.

15 And just as a reminder to those of you who are
16 listening over the phone that a link to this PowerPoint
17 presentation is located on the EFSEC home page under
18 "Project Highlights."

19 So please continue.

20 MS. BUMPUS: Thank you.

21 The purpose of this presentation is to provide the
22 council members with an overview of the gap analysis
23 findings for the Tesoro/Savage Vancouver Energy Project
24 proposed at the Port of Vancouver.

25 This presentation is going to outline EFSEC SEPA

1 environmental review process. Jan and Alison will
2 discuss key gaps and the recommended corrective actions
3 that are being considered to address those gaps. This
4 will also include a schedule, an estimated schedule, for
5 the issuance of a DEIS by EFSEC, and we will also have an
6 opportunity to answer questions at the conclusion of the
7 presentation, so if you could make note of those as we go
8 along, we can address those at the end.

9 So this slide is highlighting EFSEC's environmental
10 review process up to the point that we are now, which is
11 the gap analysis. In April 2014 EFSEC approved the SEPA
12 scope and in April and May EFSEC staff, along with Cardno
13 ENTRIX, coordinated multiple workshops with the applicant
14 to discuss methodologies that would be used to address
15 the scope set by EFSEC in the DEIS.

16 And it was during this time that EFSEC staff was
17 working on developing the Phase 2 scoping document. And
18 Jan will be talking more about that later in the
19 presentation about the Phase 2 document and where that
20 is.

21 In June EFSEC requested from the applicant the
22 applicant prepared PDEIS, and as you can see here, from
23 August into November we continued to receive different
24 packages of submittals that contained application --
25 sorry -- not application, but PDEIS material, and overall

1 we received nine chapters of narrative and Appendices A
2 through Q along with an additional report.

3 So the goal in performing this gap analysis is
4 ultimately for EFSEC to create a DEIS that is compliant
5 with SEPA, that captures EFSEC's SEPA scope, which is
6 informed by EFSEC's scoping process that was carried out
7 and the comments that were received and to create a well
8 organized, understandable, and informed, balanced DEIS.

9 The way that we're doing this is, as I said, we've
10 received information of the preliminary draft EIS from
11 the applicant, and we are working to obtain a clear
12 understanding of the project and the analysis that they
13 performed, identifying the gaps in the information and
14 the additional data that's needed.

15 We're developing a strategy to obtain additional
16 information, both from the applicant and from other
17 sources, performing the additional analyses and data
18 collection and then incorporating that additional
19 information into the DEIS. And I --

20 CHAIR LYNCH: Excuse me, Ms. Bumpus.
21 While you're on this particular slide, my understanding
22 is that the rail transportation -- I'm sorry -- I forget
23 the title of it, the oil-by-rail transportation study
24 that's been conducted --

25 MS. BUMPUS: Right.

1 CHAIR LYNCH: -- by Ecology and
2 submitted December 1st, the draft, that will be
3 incorporated as part of the draft EIS?

4 MS. BUMPUS: Yes. When I mentioned
5 the use of -- you know, the strategy of gathering
6 additional information from the applicant, we also are
7 referring there to additional resources that are now
8 available, and that would be one of the reports, the
9 state rail and vessel analysis that's been done and the
10 draft was released December 1st. So we do intend to look
11 there.

12 CHAIR LYNCH: And the reason I bring
13 that up is there were some questions by some council
14 members as to whether they could be reading that report
15 or not. And my feeling is since that's going to be
16 incorporated as part of the draft EIS, that's okay for
17 council members to read that report.

18 MS. BUMPUS: Yes, it will certainly be
19 referenced and -- yes. Yeah.

20 CHAIR LYNCH: If it -- yeah. Okay.
21 Go ahead.

22 MS. BUMPUS: I just didn't want to
23 talk too much about it because I know Jan's going to be
24 discussing it a little bit when he's discussing the rail
25 and vessel impact analyses, so I didn't want to...

1 CHAIR LYNCH: Thank you.

2 MS. BUMPUS: Well, actually at this
3 point I'm going to hand this over to Jan to move on in to
4 the next slides where he'll be --

5 MR. AARTS: Can you push the buttons?
6 I'll screw it up.

7 Again, thank you for allowing me to be here and give
8 you an update on what we've been doing over the last
9 several months and to a year actually.

10 As you remember, our team of about 15 experts,
11 technical experts in a wide variety of fields have been
12 reviewing the application for site certification, so most
13 of those same analysts have been reviewing the
14 preliminary draft environmental impact statement because
15 much of that information in the preliminary draft
16 prepared by the applicant is based on information in the
17 application for site certification. So there's a nice
18 kind of continuity that our team has based on all that
19 earlier work over the last year.

20 And indeed, if you've seen any of the materials that
21 have been prepared by the applicant, it is quite
22 extensive. There's two very large volumes of material
23 presented in your numerous chapters describing the
24 project overall, describing alternatives, then separate
25 sections describing rail and marine issues and cumulative

1 impact. So it's a very large, complex document, and a
2 lot of work has obviously gone into preparing that
3 information.

4 Nevertheless, our team when we did our thorough
5 review, and the term "gap analysis" has been used
6 frequently, but we -- we did more than just a gap
7 analysis. We really did a thorough review of the entire
8 document in all manner of perspective, both content and
9 presentation, organization, content, tone, the whole
10 variety of things that need to be considered when the
11 attempt is to create a document that represents EFSEC's
12 perspective on the document, not the applicant's
13 perspective.

14 So we have identified a need to reorganize the
15 document. And that won't be a small effort, but we know
16 what we want to do. We've already presented a revised
17 outline to EFSEC. We feel it's much more understandable,
18 which is a goal, to make this document, a complex
19 document on a complex project understandable to the
20 public.

21 We are going to, as Sonia mentioned, take advantage
22 of new data that hasn't been available until recently,
23 and much of that comes from the legislative study on
24 crude-by-rail in the state, and so that's very timely
25 that we have access to that information.

1 One of the things we're going to do, and this builds
2 on Sonia's comment about what we were calling the Phase 2
3 scoping document, and that was an exercise we went
4 through with the applicant and their staff to clearly
5 identify the sources of information that would be used to
6 create the content of the environmental impact statement
7 as well as the methods, methodologies, technical
8 approaches that were going to be used. We knew that was
9 a concern to you folks.

10 What we intend to do, it's in the actual document,
11 is at the beginning of each of the individual resource
12 sections, we are going to capture what we eventually
13 identified as the methods and sources and very clearly
14 right at the beginning of each resource section portray
15 that to the reader so it won't be a mystery. It will be
16 very clear how the analysis was performed, the sources
17 used, and how you can draw your conclusions directly from
18 all of that information. So that's one of the things we
19 propose to do in the document rewrite.

20 CHAIR LYNCH: Excuse me, Mr. Aarts,
21 and that will take the place of the -- at one point in
22 time the Council was told that they were going to be
23 provided with an -- I'm sorry -- Ms. Bumpus --

24 MS. BUMPUS: Right. We were going to
25 provide the Phase 2 -- a Phase 2 matrix --

1 CHAIR LYNCH: That's right.

2 MS. BUMPUS: -- that would outline the
3 methodologies that were going to be applied in the
4 analyses of the DEIS but --

5 CHAIR LYNCH: But this takes the place
6 of that and it's a lot more reader friendly.

7 MS. BUMPUS: Right. Well, and I would
8 say that it's not so much replacing it as it is that
9 through going -- in going through the process of having
10 the workshops with the applicant and discussing
11 appropriate methodologies, it's sort of the result --
12 these methods that will be outlined are sort of the
13 result of going through that entire exercise. So right,
14 it will, you know, serve that same purpose so that you'll
15 be informed of what the methods are that were used and
16 the resources and references.

17 CHAIR LYNCH: So it's not --

18 MS. BUMPUS: We'll be outlining that
19 as well.

20 MR. AARTS: I think the intent or
21 objective of that exercise will be reflected in the
22 methods section very clearly. So that I believe that was
23 the overall intent.

24 CHAIR LYNCH: Right. So it's not
25 meant to displace any council review. It actually

1 facilitates it.

2 MR. AARTS: Right. Exactly.

3 CHAIR LYNCH: Thank you.

4 MR. AARTS: One of the other
5 approaches or challenges that was obvious both in the
6 preliminary draft EIS and our exercise in coming up with
7 our new proposed outline is to clearly differentiate
8 between the on-site impacts at the facility itself versus
9 the off-site indirect impacts related to the transport of
10 the crude oil by rail and marine, and we -- we've created
11 an outline to accomplish that where we bring that --
12 those on-site and off-site impact analyses into each
13 resource topic so it's very clear.

14 We're not creating a totally separate chapter just
15 for on-site and off-site. We're blending it into the
16 resource topic so I think it's a little more reader
17 friendly, and I think it will serve a good purpose in
18 doing that reorg.

19 One of the things we also did is we're going to
20 create a separate section and to focus on -- it's not the
21 construction, it's not the operation, but it's an
22 assessment of the unusual and unanticipated release of
23 oil, so basically accidents, spills, releases.

24 So we are proposing creating a separate section that
25 focuses on that, and that was something that came through

1 very loud and clear during scoping and so forth that
2 related to all of these other activities. The release of
3 oil accidentally by rail or marine transport into the
4 environment and all of the consequences of that should be
5 very clearly presented, and this is an approach we think
6 that will accomplish that, and we can share more of our
7 ideas on that at a later date. But that's one of the big
8 things that we intended to do.

9 Again, objectives, create an easy to follow and
10 understand document, clear understanding of impacts and
11 proposed mitigation measures, and give you the
12 information you need to formulate your decision process.

13 In terms of additional analysis, we did identify
14 four areas in particular that from our perspective
15 require additional rigor, analysis and taking advantage
16 of either new or existing information.

17 The first area has to do with seismic hazards,
18 geologic hazards at the site and potentially along some
19 of the rail routes. We are also interested in addressing
20 issues related to the -- the impacts that the proposed
21 project could have on the City of Vancouver Fire
22 Department's operational response capabilities, and I'll
23 talk about each of these in a little bit more detail in
24 subsequent slides. I just want to kind of give you the
25 overview.

1 We're also proposing to conduct an independent
2 assessment of the applicant's prepared rail and vessel
3 risk analysis which are documents within the preliminary
4 draft EIS, and also we intend to expand the air quality
5 analysis by a little bit more rigor to include assessment
6 of construction activities and mobile sources.

7 So again, additional analysis on top of the good
8 work that already has been done, but we do see areas
9 where we would like to propose additional work to make it
10 a stronger document.

11 So a little bit more detail on the seismic concerns.
12 Now, this is to focus on the potential of seismic hazards
13 to affect operation at the plant or at the facility. And
14 a lot of concern has been raised about the storage tanks,
15 for example, and how the design of the foundations, for
16 example, for the tanks would take into account seismic
17 risk in this area.

18 Now, the applicant has done numerous geotechnical
19 studies. There is an analysis of seismic hazards in the
20 preliminary draft, but we feel that it's appropriate to
21 bring in an expert, which we are making arrangements
22 right now to join our team, a very well-known seismic
23 engineer who will assess, as you can see in the slides
24 there, technical issues related to ground motion, soil
25 liquefaction potential at this site, earthquake-induced

1 fault ruptures on the site, anything that might pose a
2 risk to the site during a large earthquake event.

3 And we also will be reviewing the facility design,
4 like I mentioned, the foundation considerations for the
5 tanks themselves. And if anything looks like it could be
6 either enhanced or improved within the range of
7 reasonableness to provide additional protection, there
8 would be some recommendations that would come out from
9 this effort about that.

10 A little bit more on the second large additional
11 study that we're proposing, which is the potential
12 effects of the project and its operation on the Vancouver
13 Fire Department's what we call operational and response
14 capabilities.

15 We -- this study would be an outreach to the
16 Vancouver Fire Department. We intend to interview
17 members of the fire department, all of the folks who are
18 involved in emergency response planning and dealing with
19 large accidents of this -- of a potential industrial
20 nature that could involve fires and explosions.

21 We want to clearly understand the current
22 capabilities of the fire department, emergency response
23 personnel, equipment, current training, levels of
24 training to deal with those kind of issues. As part of
25 the study we'll conduct a local and regional risk

1 assessment that recognizes the increased amount of crude
2 oil that would be transported through the response area
3 for the fire department from this project and other
4 projects.

5 Then the exercise would be to identify the gaps
6 between the proposed facilities emergency response
7 capabilities on-site and those of the fire department to
8 respond to any incident at the site. So the end result
9 of that exercise would be, in other words, a gap -- an
10 identified gap between capabilities and needs. And we
11 would recommend what we're calling mitigation measures
12 for that kind of occurrence that could include enhanced
13 emergency plans, discussions with tactics and strategies
14 for responding to such an event, training, equipment, and
15 other resources.

16 So that will be an exercise that's gone through
17 working directly with the City of Vancouver Fire
18 Department and creating an analysis that has some real
19 results and recommendations.

20 The last additional study I'd like to talk about is,
21 again, an independent assessment of the applicant's
22 already prepared vessel and risk analysis. And we're in
23 the process also at this time of securing experts to
24 participate in this effort where our team will review the
25 assumptions, analytical methods, and results from those

1 two studies, the rail and marine study -- studies, and if
2 necessary, we will propose an additional approach, use of
3 additional data and a reassessment of the risks of the
4 analysis.

5 Our experts will focus on the probability of spill
6 events, the nature of those events with regard to a
7 specific geographic location, whether it's along the rail
8 routes or along the Lower Columbia River, and we'll also
9 include an assessment of the potential impacts from those
10 releases. So again, that will be encapsulated in a
11 written report that we would then reflect in the impact
12 analysis of the draft environmental impact statement.

13 So that's my summary of the overall major additional
14 efforts. Again, like I mentioned before, we are doing a
15 reorganization that involves rewriting, reorganization.
16 There's some certain tone and language that we want to
17 make sure we achieve an objective, unbiased tone, and
18 we're ready to go and we'll be starting right away into
19 our writing very soon.

20 MS. BUMPUS: Thank you, Jan.

21 So yeah, I meant to do a drum roll here, but we're
22 already at the slide for timeline of future key events.

23 So you can see here that we have several things
24 going on starting with where we are right now, December
25 2014, and this timeline is reflecting the activities that

1 are related to staff, what staff will be doing to prepare
2 the DEIS so that Council and staff can review it before
3 publishing.

4 So the March 2015 section here with the yellow block
5 is where based on all the information you've heard of the
6 gaps and the proposed corrective actions to address the
7 gaps, it lands us here at the March 2015 time for having
8 a DEIS ready for Council to review before publishing.

9 CHAIR LYNCH: And so would you
10 essentially give Council Members three to four weeks for
11 that review?

12 MS. BUMPUS: Right. Right. We
13 envision that staff would take some time to review the
14 document, and then if we found it to be satisfactory,
15 then provide it to Council, and then factoring in about
16 three to four, right, weeks for your review, and then we
17 would coordinate a process for you to provide comments
18 and feedback on the document, and then we would likely
19 hold a public meeting to adopt the DEIS and prepare it
20 for publishing.

21 One other thing I wanted to note is that you've
22 heard a lot of the information about some of these areas
23 that we're going to do some significant work in with
24 respect to gaps. There is also from the review in the
25 gap analysis a lot of questions and points of

1 clarification that we'll need from the applicant. As you
2 can imagine, it's -- as Jan said, it's an extremely large
3 document, there's a lot of information there, and so it's
4 a lot of information to review and understand, and there
5 are some areas where we will be coordinating with the
6 applicant to get some more information and just to
7 clarify that we're understanding what they did or what
8 they assumed in a particular study or a method.

9 So we are currently working with the applicant to
10 carry out that exercise, so I just wanted you to be aware
11 that there is additional information that will be coming
12 in through that.

13 Are there any questions for us?

14 CHAIR LYNCH: It's taken awhile, but
15 you've come a long way. I appreciate that.

16 Ms. Green-Taylor?

17 MS. GREEN-TAYLOR: Thank you, Chair.

18 I just wanted to have you refresh my memory of when
19 our six-month extension expires on reviewing this
20 project.

21 MR. POSNER: I believe that's in
22 March.

23 MS. GREEN-TAYLOR: Okay. So
24 presumably, then, we would have a request for an
25 additional extension?

1 MS. BUMPUS: Yes. We would need to do
2 that.

3 MS. MARTINEZ: Thank you for the
4 presentation. So just for my understanding, what I
5 gather from this is, for the most part, not -- you did
6 not find very many gaps, and that what I'm seeing in this
7 is some additional work required with regards to seismic
8 hazards, emergency response, those types of things. But
9 from the perspective of impacts to air quality or noise
10 or transportation, those things that you did not present
11 here today, for the most part you're finding that the
12 information was there and was adequate, maybe needs to be
13 repackaged a bit, but...

14 MR. AARTS: Well, I would say we did a
15 thorough analysis of all the elements of the environment,
16 that's correct. And the reviewers, as Sonia pointed out,
17 do still have some questions and need clarifications in
18 certain areas. So that -- that represents a certain
19 amount of not necessarily a data gap, but needs for
20 clarification and additional information.

21 I did not list all of those items here. These were
22 the larger items. But I would say, you know, in most
23 topics, yes, the information was I'll say extensive, but
24 there is still need for clarification and update.

25 Just one example, for example, would be perhaps a

1 species list that the data is out of date, for example,
2 so we need to update that, something on that order. So
3 things like that might have been applicable to numerous
4 resources. I just didn't go into all the detail.

5 MS. MARTINEZ: Okay.

6 MR. AARTS: We've communicated that to
7 Sonia and staff, and they know precisely what we're
8 proposing to do for each section. So I hope that helps a
9 little bit.

10 MS. MARTINEZ: Okay.

11 CHAIR LYNCH: Further questions?

12 Thank you, Ms. Martinez.

13 Mr. Snodgrass.

14 MR. SNODGRASS: I appreciate the
15 approach, the outline and the presentation. I guess just
16 a question on the three to four weeks review time sounds
17 fully adequate but may not be providing whatever else we
18 have on our plates. And I'm just wondering is there an
19 ability or do you think it makes sense to have some of
20 the information on those sections that are pretty far
21 along made available earlier or just in all one chunk for
22 Council?

23 MS. BUMPUS: Well, I think it's
24 possible that we could do that. I do think that one of
25 the things that's built into the timeline is you'll see

1 here incremental submittal of DEIS sections for EFSEC
2 staff. So we will be doing something like that
3 internally on the staff level. As Jan and his team
4 develop the sections and the chapters of the DEIS, we'll
5 be coordinating very closely in reviewing that, and so I
6 think that there is -- there at least -- you know, this
7 is happening on the staff level before Council reviews
8 it.

9 You know, I do think it's possible. I mean, I think
10 given the timeline that we have as far as March not being
11 very far from that time, I don't know that we would save
12 very much time by doing that.

13 Jan, what are your thoughts on that?

14 MR. AARTS: I'm trying to -- I'm just
15 trying to think if it's an actual review cycle where we
16 would receive comments, I'm trying to figure out how it
17 would integrate that into the normal staff level review
18 revision cycle. I'm just trying to figure out how that
19 works. Certainly, though, we will have pieces of
20 information as shown here available almost sequentially.
21 Certain sections we're diving into very shortly, if not
22 already started, and would deliver those early.

23 The resource sections will probably lag later into
24 the beginning of the year, but there will be products
25 available that staff, depending on timing, would be

1 prepared or available.

2 MS. BUMPUS: So on that note, I think
3 one thing that where I would really I think aim to do it
4 in this way that we're proposing is that I think that if
5 by Council looking at it in pieces that it may -- you
6 know, it could appear that something is deficient, you
7 don't have the whole picture in front of you.

8 I think that there is some, you know, value to
9 having the whole document in front of you and being able
10 if you don't see something addressed somewhere, it may be
11 somewhere else in the document. But if you don't have
12 the whole thing, you can't know that.

13 And so, also, I think that this would make the
14 coordination of getting your feedback on the document
15 much cleaner and more efficient as well than trying to
16 piecemeal the document to you in sections and then get
17 feedback on the sections.

18 MS. MARTINEZ: I personally would
19 prefer all at once, just for the record, especially
20 considering we're talking ^{legislative} ~~legislation~~ session
21 January/February time frame, so --

22 MR. PAULSON: March, April?

23 MS. MARTINEZ: Well, yeah.

24 MR. PAULSON: May?

25 MS. MARTINEZ: That can be a

1 challenge.

2 CHAIR LYNCH: Thanks, Ms. Martinez.
3 Any other -- oh, Mr. Stohr, I think you were trying to
4 get my attention.

5 MR. STOHR: Yes, Mr. Chair. I'm just
6 curious on the analysis of risk resource impacts and
7 response capacity. Are we looking -- is the intent to
8 look at the site itself and not the, for instance,
9 Spokane's response capacity or spill out near Ilwaco or
10 something like that? I mean, are we looking at all the
11 state...?

12 MR. AARTS: Well, the study that I
13 referred to was specifically focused on the Vancouver
14 Fire Department area. Now, the section I talked about in
15 terms of spill incidents, that will reflect both the
16 marine and rail routes. But the in-depth analysis of
17 we'll call it a gap analysis between the response
18 capacities of the fire department versus what's needed at
19 the site is focused strictly on the City of Vancouver.
20 But like I mentioned, in that separate section, we will
21 be analyzing not at that level of detail, but at an
22 appropriate level of detail we will be talking about
23 response capabilities along both the marine corridor,
24 Lower Columbia and the rail route.

25 MR. STOHR: And in that preliminary

1 analysis, if you were to get a sense of an increased risk
2 of some significance somewhere outside of that local
3 area, there would be an opportunity to come back and
4 address that still? I mean, that's one reason we're
5 doing some of this early review and scoping?

6 MR. AARTS: That's correct. Right.

7 CHAIR LYNCH: That's a good point,
8 Mr. Stohr, too. And remember, this is -- we're still
9 talking about the draft. We're talking about all this
10 information before it goes into a draft EIS, so we still
11 would put out the draft for comments and then there's an
12 opportunity for us to amend it even further.

13 Any other questions or comments?

14 MR. STOHR: One more.

15 CHAIR LYNCH: Go ahead, Mr. Stohr.

16 MR. STOHR: We heard some of this at
17 some of our hearings, and I'm not sure what to do with
18 it, but I think about Oregon, you know, and the shared
19 system, shared transportation system, shared resources,
20 and I know, you know, we only have so much responsibility
21 geographically, but it does make me wonder about Oregon
22 and how or if they engage, what we do with them.

23 I don't expect you to have an answer. I'm just
24 thinking out loud.

25 CHAIR LYNCH: We will think about

1 that. Thank you.

2 MR. POSNER: One thing just to keep in
3 mind is they are on a project mailing list, so they will
4 have an opportunity to comment, the State itself, will
5 have an opportunity to comment on the draft EIS, and if
6 their -- for instance, in their opinion isn't enough
7 detail in the draft, they can comment and we would have
8 an opportunity before we finalize the EIS perhaps to do a
9 more detailed analysis if we felt it was warranted.

10 CHAIR LYNCH: Any other questions for
11 staff or our consultant?

12 Thank you. It's good to be at this point.

13 MS. BUMPUS: Thank you.

14 CHAIR LYNCH: And Ms. Uno, good to see
15 you as well.

16 MS. UNO: Thank you.

17 CHAIR LYNCH: At this point in time
18 we'll -- Mr. Kisielius, you wish to address the Council?

19 MR. KISIELIUS: Thank you, Mr. Chair.
20 Would you like me to --

21 CHAIR LYNCH: Yes, if you would please
22 come up to the chair. And just for the record, would you
23 identify yourself?

24 MR. KISIELIUS: Thank you, Mr. Chair.
25 My name is Tadas Kisielius with Van Ness Feldman. I'm

1 here on behalf of Vancouver Energy, and I will keep my
2 remarks short because there's been a lot of information
3 presented already, including the schedule through
4 publication of the draft EIS.

5 But I did want to segue off of Council Member
6 Green-Taylor's question related to the extension. I
7 think it is apparent that we're going to be asked to
8 extend that statutory review period in light of this
9 particular schedule. And that statutory review period
10 covers the entirety of EFSEC's process through
11 recommendation to the governor.

12 So as we've indicated in the past, we don't think
13 it's appropriate to ask us to agree to an open-ended
14 extension. The last time we agreed to an extension we
15 proposed that based on input we had received to date on
16 the schedule. And to help us and to help staff do that
17 in preparation for a second extension, we are asking the
18 Council and staff to establish a specific schedule beyond
19 the publication of the draft EIS for all of the
20 milestones in the EFSEC review process.

21 We think everybody would benefit from that greater
22 clarity on what are the remaining steps and the
23 anticipated time frame for all of those steps, but it
24 would certainly help with respect to the second extension
25 that would be requested.

1 So I just wanted to jump in and address Council
2 Member Green-Taylor's comments on that question.

3 MS. GREEN-TAYLOR: Thank you.

4 CHAIR LYNCH: And we will consider
5 that. I think the biggest part of this proposed project
6 is the preparation of the environmental impact statement.
7 I think once that's finished the adjudicat- -- that will
8 drive a lot of the issues in the adjudication and I think
9 that could be completed very efficiently. But I think
10 we're getting far enough along with where we are in the
11 draft EIS that I feel confident that we can take care of
12 this in an efficient manner. We'll try to get a sense of
13 completion for you.

14 Thank you. Any questions for Mr. Kisielius?

15 Thank you.

16 Is there any further business before the Council
17 today? Thank you all for your participation and have a
18 good rest of the week. Thank you.

19 (Meeting adjourned at 2:59 p.m.)
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21
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23
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25

1 STATE OF WASHINGTON) I, Katie A. Eskew, CCR, RPR,
2) ss CCR # 1953, a duly authorized
3 County of King) Certified Court Reporter in and for
4 the State of Washington, hereby
5 certify:

6 I, KATIE A. ESKEW, a Certified Shorthand Reporter
7 in and for the State of Washington, do hereby certify that
8 the foregoing transcript is true and accurate to the best of
9 my knowledge, skill and ability.

10 IN WITNESS WHEREOF, I have hereunto set my hand
11 and affixed my official seal this 23rd day of December, 2014.
12
13
14
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16
17
18

19 _____
20 Katie A. Eskew, CCR, RPR
21 Certified Court Reporter, #1953
22 My License expires 8/26/15
23
24
25

Kittitas Valley Wind Power Project

Monthly Project Update

December 16, 2014

Project Status Update

November Production Summary:

MWh 13,667 MWh
Wind 5.2 m/s or 11.6 mph
CF 18.8%

Safety:

No incidents

Compliance:

Project is in compliance as of December 09, 2014.

Sound:

No complaints

Shadow Flicker:

No complaints

Environmental:

Ready for winter, project roads are in great shape.

Below is the monthly operational/compliance update for Wild Horse. Please let me know if you have any questions.

Wind Production: November generation totaled 71,807 MWh for an average capacity factor of 36.59%.

Safety: No lost-time accidents or safety incidents to report in November.

Compliance/Environmental: Nothing to report.

**Chehalis Generation Facility----Monthly Plant Report to the Washington Energy
Facility Site Evaluation Council – November 2014**

1813 Bishop Road Chehalis, WA 98532
Phone (360) 748-1300, FAX (360) 740-1891

15 December 2014

Safety:

- There were no recordable incidents this reporting period and the plant staff has achieved 4395 days without a Lost Time Accident.

Environment:

- Waste water monitoring results are in compliance with the permit limits for the month of November 2014.

Personnel:

- Authorized plant staffing level is currently 19 with 18 positions filled. We have one Control Room Operator position open an offer has been accepted.

Operations and Maintenance Activities:

- The Plant generated 204,581 megawatt-hours at a capacity factor of 56.11% for the month of September and the year-to-date capacity factor is 58.15%.

Regulatory/Compliance:

- There were no air emissions deviations, waste-water or stormwater deviations or spills during the month of November 2014.
 - Sound monitoring: There were no noise complaints to report.
-

Carbon Offset:

- Engineering design review and final quotes have been received a submittal package is being prepared to submit in December 2014 to EFSEC staff for review and recommendation to the Council. This was delayed due to PacifiCorp staff availability.

Respectfully,

Mark A. Miller
Manager, Gas Plant
PacifiCorp-Chehalis Power
1813 Bishop Road
Chehalis, WA 98532
360-827-6462

November, 2014

EFSEC Monthly Operational Report

1. Safety and Training

- 1.1. There were no accidents or injuries to plant staff during the month of November.
- 1.2. Conducted required and scheduled training.
- 1.3. Conducted monthly safety committee meeting.

2. Environmental

- 2.1. Submitted the October DMR for Outfall and storm water.
- 2.2. Completed collecting water samples for the waste water characterization phase of the Engineering Report following implemented changes.

3. Operations & Maintenance

- 3.1. Grays Harbor Energy operated 8 days and generated 96,379 MWh during the month of November.
- 3.2. The capacity factor (CF) was 21.6% in November, and 32.7% YTD.
- 3.3. The availability factor (AF) was 97.5% in November, and 94.6% YTD.

4. Noise and/or Odor

- 4.1. There were no complaints received during the month of November.

5. Site Visits

- 5.1. There were no site visitors during the month of November.

6. Other

- 6.1. Grays Harbor is fully staffed with 22 employees.

**Energy Northwest
EFSEC Council Meeting
December 16, 2014
(Shannon Khounnala)**

I. Columbia Generating Station Operational Status

Columbia is operating at 100% power, generating 1120 megawatts.

Saturday, December 13, 2014 marked 30 years since Columbia Generating Station first began commercial operations. Since that December day in 1984, Columbia has generated more than 214 million net megawatt-hours of electricity.

There are no other events, safety incidents, or regulatory issues to report.

II. WNP 1/4 Water Rights

The WA Department of Ecology posted the Report of Examination to their website for a 30 day appeal period. The appeal period expired on December 13, 2014. The water rights permit for the WNP 1/4 site would be automatically issued to the Department of Energy if no appeals have been received. Energy Northwest expects to hear from the Department of Energy on the status of the appeal period this week. At this time, Energy Northwest continues to expect to receive the water rights permit in late December 2014.



ENERGY FACILITY SITE EVALUATION COUNCIL

TESORO/SAVAGE Vancouver Energy Project

December 16, 2014

INFORMATION NEEDS AND DEIS DEVELOPMENT PRESENTATION



PRESENTERS:

SONIA BUMPUS (EFSEC)

JAN AARTS (Cardno)

ALISON UNO (Cardno)

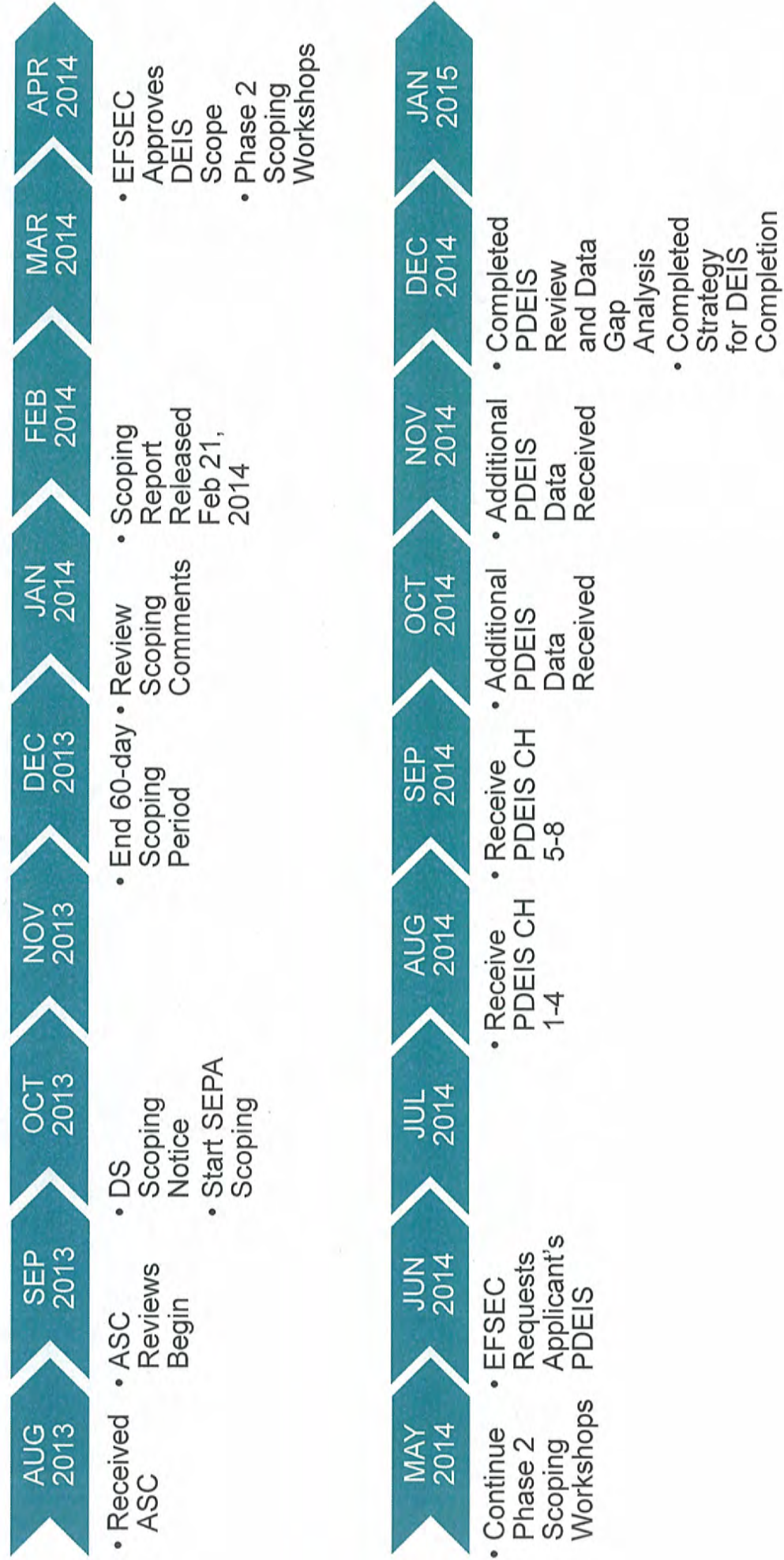


PRESENTATION:

- ✓ EFSEC SEPA ENVIRONMENTAL
REVIEW PROCESS
- ✓ DISCUSS KEY GAPS AND CORRECTIVE
ACTIONS
- ✓ DEIS SCHEDULE
- ✓ QUESTIONS



EFSEC ENVIRONMENTAL REVIEW PROCESS





EFSEC DEIS GOALS

- Ensure compliance with SEPA
- Capture EFSEC's SEPA scope informed by EFSEC scoping period
- Create a well organized, understandable, and informed DEIS

OBJECTIVES

- Obtain a clear understanding of the project and analyses performed
- Identify informational gaps and additional data requirements
- Develop a strategy to obtain additional information, perform additional analyses
- Perform additional analyses and data collection
- Incorporate PDEIS information and results from additional analyses into a complete DEIS



DEVELOP DEIS

- Build on extensive work completed by the Applicant
- Reorganize PDEIS to improve clarity and project understanding
- Revise text to achieve a balanced and objective tone
- Supplement information in PDEIS with additional data
- Clearly describe analytical methods used to identify potential impacts
- Clearly differentiate between onsite and offsite impacts
- Include separate section analyzing potential impacts from accidental releases

OBJECTIVES

- Create an easy to follow document that clearly presents technical information
- Enable clear understanding of potential impacts and proposed mitigation
- Provide EFSEC objective and up-to-date information to make an informed decision



PERFORM ADDITIONAL ANALYSES

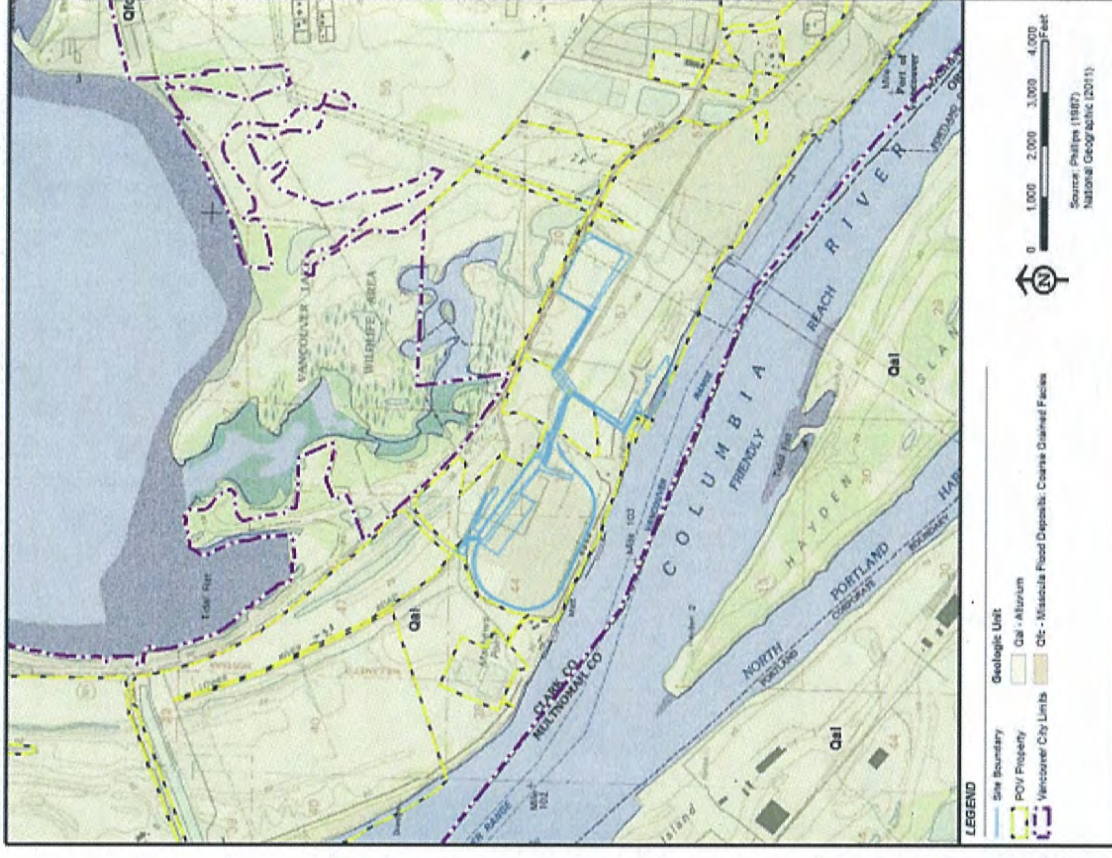
- Review Applicant prepared geotechnical studies, seismic hazards analysis, and facility design
- Evaluate potential impacts from the proposed project on the Vancouver Fire Department's operational and response capabilities
- Conduct independent assessment of rail and vessel risk analysis
- Expand air quality analysis to include construction activity and mobile sources

OBJECTIVES

- Carefully evaluate topics of concern raised by the public and agencies
- Use best available data and independent experts to analyze risks and potential impacts
- Prepare a document that informs decision makers of potential environmental impacts and identifies appropriate mitigation for the proposed action and alternatives
- Ensure compliance with SEPA

PERFORM ADDITIONAL ANALYSES

- Conduct independent review of Applicant prepared geotechnical studies, seismic hazards analysis, and facility design
- Seismic hazards to be evaluated:
 - Ground motion
 - Soil liquefaction susceptibility and likelihood
 - Liquefaction-induced permanent ground deformation (settlement and lateral spreading) and effects on foundation loads
 - Earthquake-induced landslides other than those due to liquefaction
 - Surface fault-rupture potential at site
 - Tsunami potential
- Focus on seismic hazards and mitigation options



PERFORM ADDITIONAL ANALYSES

- Evaluate potential impacts on Vancouver Fire Department's operational and response capabilities
- Study to include:
 - Interviews with members of the VFD to clearly understand operational capabilities, emergency response personnel, equipment, and training
 - A local and regional risk assessment based on projected increase in crude oil transport (rail and vessel) within the VFD response area
 - Identification of potential gaps between the proposed facility's emergency systems and VFD's response capabilities
 - Recommendations to mitigate identified impacts, including emergency plans, tactics and strategies, training, equipment, and other resources



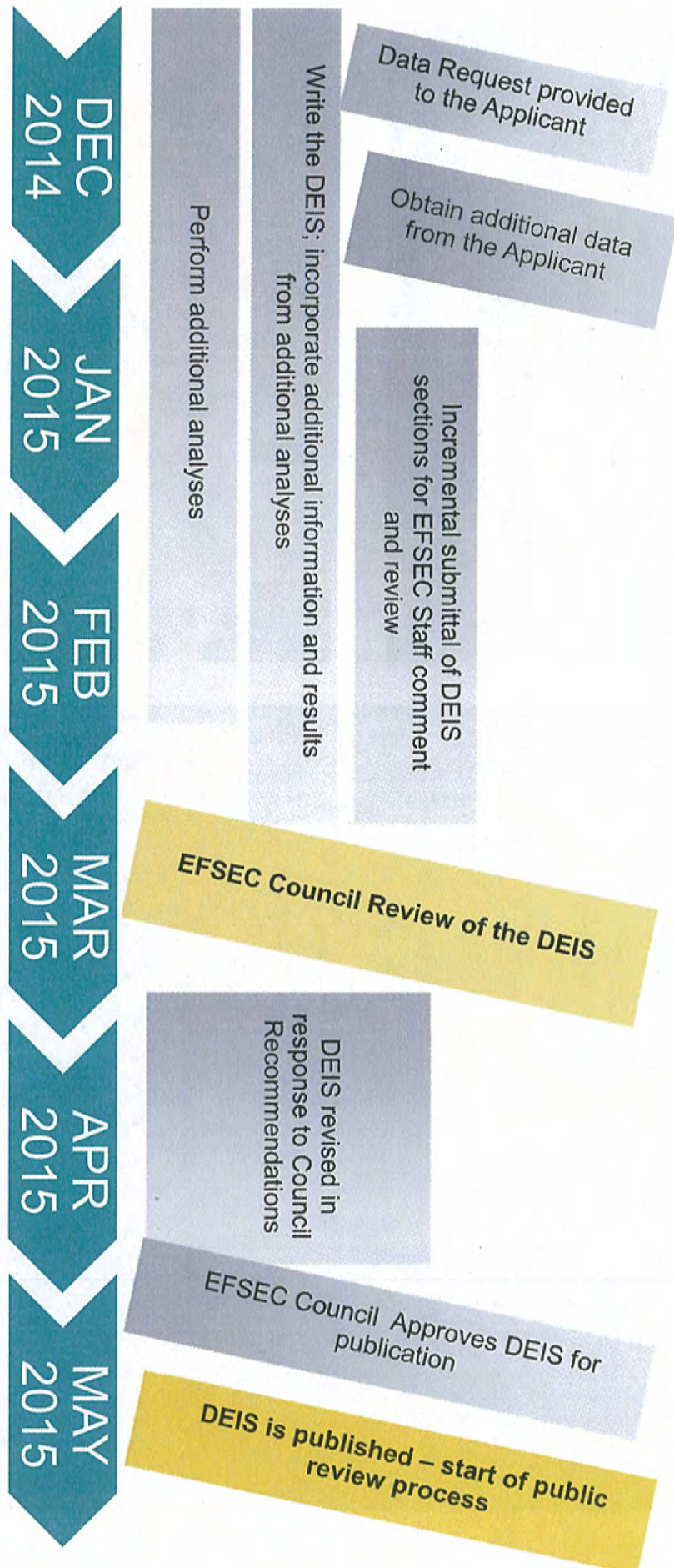
PERFORM ADDITIONAL ANALYSES

- Conduct independent assessment of Applicant prepared vessel and rail risk analysis
- Independent experts will:
 - Review assumptions, analytical methods, and results
 - If necessary, conduct additional analysis to more accurately assess risks associated with rail or vessel traffic
 - Prepare a written report describing amended approaches, methods, and risk outcomes
- The risk analysis will focus on:
 - Probability of spill incidents
 - Nature of those incidents with regard to geographic location and spill volume
 - Potential impacts of spills





TIMELINE OF FUTURE KEY EVENTS





QUESTIONS?