

SEPA ENVIRONMENTAL CHECKLIST

UPDATED 2014

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. background

1. Name of proposed project, if applicable:

Grays Harbor Energy Center
Cooling Tower Replacement Project

2. Name of applicant:

Grays Harbor Energy LLC, a subsidiary of Invenergy LLC (Invenergy)

3. Address and phone number of applicant and contact person:

Pete Valinske
Plant Manager
401 Keys Road, Elma, WA 98541
360-482-4353 (office)
360-359-5144 (cell)

4. Date checklist prepared:

12/30/2016

5. Agency requesting checklist:

Energy Facility Site Evaluation Council (EFSEC)

6. Proposed timing or schedule (including phasing, if applicable):

Project duration is from November 2016 to May 2017.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

The cooling tower drift eliminators are being replaced due to degradation with an equivalent or better type. The drift eliminator manufacturer will provide a report indicating that the material has a drift loss of less than 0.001% of the recirculating water flow rate. This is in accordance with Condition 9.1.3.2 of our Prevention of Significant Deterioration (PSD) permit, EFSEC/2001-01 Amendment 3.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

Yes. PSD Amendment 4 and NPDES Final are awaiting EFSEC approval.

10. List any government approvals or permits that will be needed for your proposal, if known.

ORCAA Form 1 – Notice of Construction

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

The new drift eliminators proposed by Grays Harbor Energy (GHE) have a drift loss rating of 0.0005%, which is more efficient than the drift loss specified in the current PSD permit of 0.001%. The proposed cooling water treatment chemicals and chemical usage rates will remain the same as those used previously. Therefore, potential particulate emissions from the cooling tower are expected to decrease as a result of the rebuild.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The approved site is located at 401 Keys Road, on property owned by Grays Harbor Energy LLC, near the town of Elma. The 1600-acre Satsop Development Park surrounds the site on all four sides. The site is located along a plateau approximately 290 to 315 feet in elevation situated approximately 0.5 mile southwest of the Chehalis River, and 3 miles southeast of Satsop, Washington. Fuller Creek is approximately 0.5 mile to the east, and Workman Creek is located approximately 2 miles to the east. Units 3 and 4 would be located entirely within the approximately 22-acre site approved by Site Certification Agreement (SCA) for the Grays Harbor Energy Project. The legal description of the 22-acre site is as follows.

The Grays Harbor Energy project is located as follows:

All that portion of the southwest quarter of the southeast quarter of Section 7, Township 17 North, Range 6 West, W.M. described as follows:

Commencing at the south quarter corner of said Section 7;
Thence S88°58'07"E along the south line of said Section 7, a distance of 1026.55 feet;
Thence N03°30'07"E, 291.86 feet to a point on the north line of the Bonneville Power Administration (B.P.A.) right of way and the POINT OF BEGINNING;
Thence continuing N03°30'07"E, 545.21 feet;
Thence N86°29'56"W, 989.04 feet to a point on the east line of Keys Road right of way;
Thence S03°46'56"W along said east line of Keys Road, 595.78 feet to an intersection with said north line of the B.P.A. right of way.
Thence S88°48'12"E along said north line of the B.P.A. right of way, 904.96 feet;
Thence N84°19'49"E along said north line of the B.P.A. right of way, 88.86 feet to the POINT OF BEGINNING.
Situated in Grays Harbor County, Washington

and:

All that portion of the southwest quarter of the southeast quarter of Section 7, Township 17 North, Range 6 West, W.M. described as follows:

Commencing at the south quarter corner of said Section 7;
Thence S88°58'07"E along the south line of said Section 7 a distance of 1026.55 feet;
Thence N03°30'07"E, 837.07 feet to the POINT OF THE BEGINNING;
Thence continuing N03°30'07"E, 319.39 feet;
Thence N86°29'53"W, 220.60 feet;
Thence N03°30'07"E, 107.60 feet;
Thence N86°29'53"W, 766.35 feet to a point on the east line of Keys Road right of way;
Thence S03°46'56"W along said east line of Keys Road, 427.00 feet;
Thence S86°29'53"E, 989.04 feet to the POINT OF BEGINNING.
Situated in Grays Harbor County, Washington

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

b. What is the steepest slope on the site (approximate percent slope)?

The slope has a rating of 1 (low; 0 to 5% slope).

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

Soils consist of up to approximately 75 feet of alluvial soils interpreted as Helm Creek deposits, overlying decomposed sandstone from the Astoria Formation.

The soil will not be disturbed with this project.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

None.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

None.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

No. All work is to occur within and above the existing cooling tower concrete basin.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

This project will not change the percentage of impervious surface at the site.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

There should be no impacts on the earth

2. Air

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

Normal cooling tower particulate emissions will occur during construction when the plant is operating. Cooling tower particulate emissions will remain less than 24.5 lb/day during and after construction.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

None.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

The new drift eliminators proposed by Grays Harbor Energy (GHE) have a drift loss rating of 0.0005%, which is more efficient than the drift loss specified in the current PSD permit of 0.001%. The proposed cooling water treatment chemicals and chemical usage rates will remain the same as those used previously. Therefore, potential particulate emissions from the cooling tower are expected to decrease as a result of the rebuild.

3. Water

- a. Surface Water:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

The site is situated south of the Chehalis River, with Fuller Creek approximately 0.5 miles to the east and Workman Creek 2 miles to the east. Both Fuller and Workman Creeks drain into the Chehalis River from the south. Fuller Creek's drainage basin faces northeast and covers approximately 2 square miles. The Workman Creek drainage basin, which drains into the Chehalis River east of the plant site, faces northeast and covers approximately 16 square miles. The Elizabeth Creek drainage basin, encompassing approximately 4 square miles, enters the Chehalis River from the south near RM 17 crossing through the existing Ranney Well field. The Ranney Well field will continue to be the process water source for the site. The Satsop River basin, approximately 2.5 miles from the site, faces south and covers an area of 299 square miles (PNRBC 1969). A small drainage basin between Workman Creek and Fuller Creek is drained by Purgatory Creek. No wetlands exist on the project site.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

No.

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None.

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

Process water will continue to be supplied from the existing Ranney wells and transported through the existing supply water line while the plant is operating. The Ranney wells are located on the southern bank of the Chehalis River, approximately 4 miles downriver of the plant site near the river's confluence with Elizabeth Creek. The wells penetrate to a depth of approximately 120 feet into the alluvial aquifer associated with the Chehalis River. The Ranney wells obtain approximately 88 percent of their water from the Chehalis River via drawdown, with the remaining 12 percent drawn from groundwater in the surrounding river alluvium. Water from the Ranney wells will continue to be transported to the Grays Harbor Energy Center plant site via the existing supply water line and the existing discharge (blowdown) line. Potable water will continue to be provided by the Port of Grays Harbor. No significant additional usage of either water supply is anticipated.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

The plant site is not served by a sewer system; the Project will continue to use septic systems and leach fields for sanitary waste. On-site septic systems were constructed as part of the initial site development, and are operated in accordance with the applicable state and Grays Harbor County codes. The design of the on-site septic system included a professional engineer's report on site conditions, schedule for development, water balance analysis, and overall effects of the proposed system on the surrounding area. The placement and design of the system allows infiltration of effluent but inhibits its direct release to surface and/or groundwater bodies. The system currently serves approximately 23 employees, and is sized to serve 34 employees. The approximately 20 additional workers onsite during construction will be provided temporary, portable sanitary facilities which will be pumped weekly.

A solid waste contractor removes solid waste from the site for disposal at an approved and regulated landfill.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

The existing SCA and NPDES permit provide the basis for the stormwater pollution control program. The existing NPDES permit covers stormwater discharges. Runoff from the site will be routed through

existing stormwater drains to the C-1 pond, which is located on Satsop Development Park property to the west. Stormwater runoff eventually makes its way to the Chehalis River.

2) Could waste materials enter ground or surface waters? If so, generally describe.

Waste materials will not enter ground or surface waters. Waste material during construction will be collected and disposed of in an approved manner.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

Construction activities will be controlled to the extent possible to help limit erosion. Clearing, excavation, and grading will not occur.

4. **Plants**

a. Check the types of vegetation found on the site:

deciduous tree: alder, maple, aspen, other

evergreen tree: fir, cedar, pine, other

shrubs

grass

pasture

crop or grain

Orchards, vineyards or other permanent crops.

wet soil plants: cattail, buttercup, 7ulrush, skunk cabbage, other

water plants: water lily, eelgrass, milfoil, other

other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

None.

c. List threatened and endangered species known to be on or near the site.

None.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

The cooling tower work will not change or alter the site landscaping.

e. List all noxious weeds and invasive species known to be on or near the site.

None.

5. Animals

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include:

birds: hawk, heron, eagle, songbirds, other:

mammals: deer, bear, elk, beaver, other: rodents, shrews, bats, rabbits

fish: bass, salmon, trout, herring, shellfish, other _____

- b. List any threatened and endangered species known to be on or near the site.

Threatened, endangered, and candidate fish species occurring or potentially occurring in the vicinity include bull trout (federal threatened), Dolly Varden (proposed federal threatened), coho salmon (federal candidate), and cutthroat trout (proposed federal threatened). Bull trout and Dolly Varden may occur in reaches of the Chehalis River adjacent to the site, but the frequency and likelihood of occurrence is low. Cutthroat trout and coho salmon are known to use both the Chehalis River and tributary streams in the site vicinity for spawning and rearing habitat. It is highly unlikely that these species would be significantly affected by construction activities around the cooling tower.

- c. Is the site part of a migration route? If so, explain

Concentrations of waterfowl, including Canada geese, mallards, gadwalls, pintails, wigeons, shovelers, and teal, are defined as a state priority species. Seasonally flooded fields along the Chehalis River provide wintering habitat for over 10,000 wigeons, mallards, pintails, and buffleheads, 250 Canada geese, and 80 trumpeter swans (WDNR 1994). Numerous waterfowl were observed in flooded fields and emergent wetlands in the study area during field surveys in January 1994. Construction will not affect the migration of these or other migrating species.

The Chehalis River adjacent to the site is a migration route for several anadromous fish species, including chinook, coho, and chum salmon, cutthroat and steelhead trout, and potentially migratory bull trout and Dolly Varden. Resident cutthroat trout and other fish species are also likely to use this reach of the Chehalis River for migration. Construction will not affect migration of anadromous or resident fish species.

- d. Proposed measures to preserve or enhance wildlife, if any:

Habitat conditions at the plant site are highly disturbed and provide minimal value for wildlife. No direct or significant indirect impacts on wildlife and aquatic habitats will result from construction of the cooling tower, therefore no measures to preserve or enhance wildlife or aquatic habitats are necessary.

- e. List any invasive animal species known to be on or near the site.

None.

6. Energy and natural resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.]

Temporary trailers will be used for office space and storage. These trailers will be lighted and heated requiring minimal electric power. Diesel and propane powered handling equipment will be used moving the construction materials.

- b. Would your project affect the potential use of solar energy by adjacent properties?
If so, generally describe.

No.

- c. What kinds of energy conservation features are included in the plans of this proposal?
List other proposed measures to reduce or control energy impacts, if any:

None.

7. Environmental health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal?
If so, describe.

No toxic or hazardous materials are being used for the cooling tower construction. Risk of fire is very low, but all fire suppression system will remain operable.

- 1) Describe any known or possible contamination at the site from present or past uses.

Several small oil spills have occurred since initial plant construction. All have been adequately cleaned up. There is little potential for contamination from the proposed work.

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

None.

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

The project requires no hazardous or toxic chemicals.

- 4) Describe special emergency services that might be required.

The site emergency plan will be followed for emergency service requests. The local fire department has been briefed on the project and has the resources necessary for any plausible event resulting from the construction activities. The events discussed were high angle and water rescues.

- 5) Proposed measures to reduce or control environmental health hazards, if any:

None.

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

Existing noise sources will not affect the project.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Areas adjacent to the proposed project will be exposed to construction sounds produced by typical construction equipment and activities. Sound levels will increase during active periods of construction. This will be a short-term impact. Construction noise will be present during daylight hours Monday through Saturday.

3) Proposed measures to reduce or control noise impacts, if any:

The existing sound wall to the west and north of the cooling tower is adequate to control noise generated during construction.

8. Land and shoreline use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The site is currently home to a 650 MW combined cycle gas turbine power plant. The project will not affect current land uses on nearby or adjacent properties.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

While the site may have been used in the past for agriculture, the site has been cleared and used as a power plant since 2008. No agricultural activities have taken place since that time.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversized equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No.

c. Describe any structures on the site.

Units 1 and 2, and ancillary facilities, are located on the western portion of the 22-acre project site. The eastern portion of the site was used for construction laydown during the construction of Units 1 and 2. The area specific to this project has the existing cooling tower structure.

d. Will any structures be demolished? If so, what?

No. The existing 9-cell cooling tower structural lumber will be replaced with FRP, one cell at a time, while the remainder of the tower stays operable.

e. What is the current zoning classification of the site?

The project site is located within areas having Grays Harbor County's Industrial (I-2) zoning designation (13.06.080).

f. What is the current comprehensive plan designation of the site?

The Grays Harbor Energy Project site is located within the Rural Lands designation contained in the Rural Lands Element of the Comprehensive Plan. The Rural Lands Element provides the policy foundation to guide the county in allocating land for commercial and industrial uses, and also to protect the resources of the county's rural lands.

g. If applicable, what is the current shoreline master program designation of the site?

Not applicable.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

No part of the site has been classified as an "critical area".

i. Approximately how many people would reside or work in the completed project? [

The number of site workers for the completed project will remain the same – 23.

j. Approximately how many people would the completed project displace?

None.

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not applicable.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

The plant site is currently zoned Industrial (I-2), a zoning designation that allows this use.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

See 8(f) above.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None.

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None.

- c. Proposed measures to reduce or control housing impacts, if any:

None.

10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

The rebuilt cooling tower will have the same height as the existing structure, 50 feet.

- b. What views in the immediate vicinity would be altered or obstructed?

None.

- c. Proposed measures to reduce or control aesthetic impacts, if any:

None.

11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

The rebuilt tower structure will be sided with fiberglass having a matte finish, so no glare is expected.

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

- c. What existing off-site sources of light or glare may affect your proposal?

None.

- d. Proposed measures to reduce or control light and glare impacts, if any:

None.

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?
No recreational opportunities currently exist on or in the immediate vicinity of the site.

- b. Would the proposed project displace any existing recreational uses? If so, describe.

No.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

None.

13. Historic and cultural preservation

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe.

There are no places or objects listed on, or proposed for, national, state or local preservation registers on or next to the site. The proposed cooling tower work is located within the same site boundaries.

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

No significant resources are present in the proposed project area.

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

A cultural resources survey of the site and surrounding area was performed as part of permitting for the Satsop CT Project.

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

No impacts to cultural resources are expected and no mitigation is necessary

14. Transportation

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

State Route (SR) 12 is the predominant highway serving the plant site. SR 12 is a four-lane divided highway providing east-west access that extends from Aberdeen on the west to its intersection with SR 8

near Elma, then southeasterly to connect with Interstate 5 (I-5) north of Centralia. SR 8 continues east from Elma until it becomes US Highway 101 and connects to I-5. South of SR 8, SR 12 continues as a two-lane highway with varying width shoulders. The posted speed limit on SR 12 is 60 mph in the Elma to Montesano area. SR 12 at the intersection with Keys Road provides dedicated left and right turn lanes in the eastbound direction, and a dedicated left turn lane in the westbound direction.

Keys Road is a two-lane minor collector county arterial providing direct connection to the plant site and proposed project site. Keys Road is 24 feet in width with varying width shoulders (paved or gravel) and is stop sign controlled (two-way on Keys Road) at its intersection with SR 12. Keys Road at the intersection with SR 12 provides a dedicated right turn lane in the northbound direction, and a flared approach for right turning vehicles in the southbound direction.

Access to the site is provided directly from Keys Road by an access driveway within the site boundaries. The asphalt surface of Keys Road is in good condition, and the posted speed limit is 35 to 40 mph. The plant site is located approximately 2.5 miles south of SR 12 along Keys Road.

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

No, the nearest transit is on SR 12, approximately 2.5 miles north of the site

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

No parking spaces will be added or eliminated by the project. Approximately 41 parking spaces are provided at the plant site. This amount of parking is sufficient for the employees and workers who will be on the site during project.

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

No.

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No. All required material will be trucked to the site from the manufacturer.

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

It is anticipated that approximately ten vehicular trips per day will be attributed to the project during the A.M. and P.M. peak hours. Approximately two percent of the volume will be trucks.

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

h. Proposed measures to reduce or control transportation impacts, if any:

None.

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

Because no extensive demand on any public service or utility is anticipated, the overall impact to the public services and utilities attributable to construction is expected to be minor and short-term.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None.

16. Utilities

a. Circle utilities currently available at the site:
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
other _____


Electricity, water, natural gas, refuse service, and septic services are currently available at the site and are adequate for the project. Sanitary sewer service is not available. Temporary sanitation services have been brought on site for the added work force.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

No new utility corridors are required for project.

C. Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: 

Name of signee Peter T. Valinske

Position and Agency/Organization Plant Manager / Grays Harbor Energy LLC

Date Submitted: 2/3/2017