

SEPA¹ Environmental Checklist

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.

¹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/Checklist-guidance>

A. Background

[Find help answering background questions²](https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background)

1. Name of proposed project, if applicable:

Horse Heaven Wind Farm

2. Name of applicant:

Horse Heaven Wind Farm, LLC

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

Dave Kobus

4. Date checklist prepared:

January 14, 2025

5. Agency requesting checklist:

Energy Facility Site Evaluation Council (EFSEC)

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

As described in EFSEC's Final Environmental Impact Statement (FEIS)

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.

Final Environmental Impact Statement for the Horse Heaven Wind Farm (EFSEC, 2023)

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.

No

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

Site Certification Agreement from EFSEC (already issued)

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.)

An existing groundwater well, owned by the Washington Department of Natural Resources (DNR) and known as the Gould Well, will be used to provide water during construction and operation of the Horse Heaven Wind Farm. Leasing of this water represents a change to

² <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background>

water rights that DNR had previously placed in the Temporary Trust Water Right Program in 2022. The well itself is an existing well, owned by DNR, and water rights will continue to be owned and maintained by DNR. Horse Heaven Wind Farm will purchase water from DNR under contract. As described in the FEIS, up to approximately 220,000 gallons per day on average would be used during construction. At 50 weeks per year, 6 days per week, this would total up to approximately 66 million gallons per year that would be purchased by the Certificate Holder from DNR and transported to the Project site to mix concrete, treat roads to manage fugitive dust, and store water for fire prevention

Figure 1, attached to this SEPA checklist, shows the location of the Gould Well relative to the Horse Heaven Wind Farm (facilities as depicted in the Final ASC for Turbine Option 1; Figure 2.3-1, Scout, September 2023). The following components will be installed to allow use of the well for construction and operation of the Horse Heaven Wind Farm or for other future unrelated purposes to be determined and governed by DNR:

- Existing intact well to be cleaned out and new pump machinery installed
- Gravel access road leading from Sellards Road to the well location will be installed
- Graveled yard will be installed to allow truck turnaround and placement of temporary water storage tanks; temporary storage tanks will be removed at the end of construction, unless otherwise determined by DNR
- A new overhead distribution line will be installed, to be owned and operated by Benton Rural Electric Cooperative. The new line will run along the western property line, generally following the new gravel access road to provide power to the well pump.

Well upgrades will also serve other users, such as the farmer who leases the DNR land on which the well is located, as he will be able to purchase water from DNR to irrigate nearby crops.

Although use of water sourced from wells fed by regional aquifers was identified in the Final EIS (see e.g. Final EIS, p. 4-69), the EIS analysis did not specifically address use of the Gould Well. As a result, supplemental information is provided to demonstrate that use of this well would not substantially change the analysis of significant impacts and alternatives in the Final EIS, as allowed under WAC 197-11-706.

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.

Benton County, DNR Gould Well, located on Parcel 136851000000000. Township 8N, Range 25EWM, Section 36, NW1/4NE1/4. See Figure 1.

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS USED

All within: NW1/4 of NE1/4, Section 36, T.8N, R.25 EWM; and within sections or portions thereof within T.9N, R.26 EWM and T.9N, R.27 EWM and T.8N, R.25 EWM and T.8N, R.26 EWM and T.8N, R.27 EWM and T.7N, R.26 EWM and T.7N, R.27 EWM and T.8N, R.28 EWM and T.7N, R.28 EWM and T.7N, R.29 EWM and T.7N, R.30 EWM and T.6N, R.30 EWM and T.6N, R.31 EWM; and described in detailed site tables and maps (application attachments).

B.Environmental Elements

1. Earth

[Find help answering earth questions³](#)

a. General description of the site:

Circle or highlight one: Flat, rolling, hilly, steep slopes, mountainous, other:

Fully described in FEIS chapter 3.2, no change resulting from use of the Gould Well. The well location and route for the new access road are generally flat.

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

Fully described in FEIS chapter 3.2, no change resulting from use of the Gould Well. The well location and route for the new access road are generally flat (see attached Figure 1 along with FEIS Figure 3.2-6).

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.

Fully described in FEIS chapter 3.2, no change resulting from use of the Gould Well. Soils in the vicinity of the well site and road are consistent with soils elsewhere on the project site.

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

Fully described in FEIS chapter 3.2, no change resulting from use of the Gould Well. No unstable soils at this location.

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.

Described in FEIS chapter 4.2.

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

Fully described in FEIS chapter 4.2, no change resulting from use of the Gould Well.

³ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-earth>

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

Generally consistent and as described in FEIS chapter 4.2. Use of the Gould Well will entail placement of gravel along one-half mile of new road and in the graveled yard at the well site. Construction of the road and graveled yard will result in new permanent disturbance on DNR land, owned and operated by DNR, and that will be used by others including the farmer who leases this DNR parcel. Because it is not within the project's site boundary and the land will not be leased by, or owned or operated by, the Horse Heaven Wind Farm, this disturbance is not part of the project. However, to the extent that associated disturbance may be quantified as partially to benefit Project construction and operation, a total of approximately 2.25 acre (graveled yard and gravel road) of new impervious surface will be installed at this location. This is de minimis in comparison to the 6,869 acres of permanent disturbance analyzed in the FEIS and further would be more than offset by changes to the Project layout that will occur due to other unrelated modifications to location and number of wind turbines and solar arrays during the final design process.

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

Fully described in FEIS chapter 4.2, no change resulting from use of the Gould Well.

2. Air

[Find help answering air questions⁴](#)

- 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.**

Use of the Gould Well would not alter the analysis presented in the FEIS, Chapter 4.3.2, except that use of this well in proximity to the project site could reduce vehicle emissions from water trucks over selection of a site located farther from the project. Dust may be generated by trucks using the new graveled access road, but dust would be managed as described in the FEIS and as required by Site Certification Agreement (SCA) conditions. Once water trucks leave the new graveled access road, they will travel on Sellards Road, which is a paved road, and from there onto other roads that have been analyzed and described in the FEIS.

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

Fully described in FEIS chapter 3.3, no change resulting from use of the Gould Well.

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

⁴ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-Air>

Fully described in FEIS chapter 3.3, no change resulting from use of the Gould Well. The Applicant would comply with SCA Conditions including speed limits set in place to reduce air emissions.

3. Water

[Find help answering water questions](#)⁵

a. Surface:

[Find help answering surface water questions](#)⁶

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.**

Fully described in FEIS chapter 3.4, no change resulting from use of the Gould Well. No wetlands or waters would be disturbed by construction of the road or use of the existing well.

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.**

Fully described in FEIS chapter 4.4, no change resulting from use of the Gould Well. No wetlands or streams have been delineated within 200 feet of the proposed activity.

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.**

Fully described in FEIS chapter 4.4, no change resulting from use of the Gould Well. No fill or dredge material would be placed in or removed from surface water or wetlands as a result of the proposed activity.

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

Fully described in FEIS chapter 4.4, no change resulting from use of the Gould Well. No surface water withdrawals or diversions would be required.

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

Fully described in FEIS chapter 4.4, no change resulting from use of the Gould Well. The Gould Well and proposed access road do not lie in a floodplain.

⁵ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water>

⁶ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Surface-water>

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.

Fully described in FEIS chapter 4.4, no change resulting from use of the Gould Well.
No waste materials would be discharged to surface waters.

b. Ground:

[Find help answering ground water questions](#)⁷

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 a general description, purpose, and approximate quantities if known.

As described in Chapter 4.4.2 of the FEIS, an average of approximately 220,000 gallons of water per day will be required during construction. This results in an estimated total of up to approximately 66 million gallons per year based on 50 weeks of construction and conservatively assuming 6 days per week. As described in the FEIS, this water will be used to mix concrete, treat roads to manage fugitive dust, and store water for fire prevention. Once construction is complete, groundwater may be used to wash solar panels at a rate of up to approximately 2,025,000 gallons per year.

The FEIS described use of water from “a local off-site public utility with water sources being the Columbia or Snake River, local private irrigators with collector wells on the banks of the Columbia River, or wells that are fed from regional aquifers” (FEIS Section 4.4.2, p. 4-69). Use of the Gould Well falls within this use characterization because it is a ‘well that is fed from regional aquifers’.

Although the FEIS acknowledged use of wells fed by regional aquifers as a potential water source, it did not specifically address potential impacts to aquifers from groundwater withdrawal. Further, the FEIS specifically excludes potential use of the DNR Gould Well for water supply, stating that supplemental analysis would be required. This SEPA checklist provides the supplemental analysis to address potential impacts to groundwater. Specifically, see Attachment A, which provides documentation of the Benton County Water Conservancy Board (BCWCB) review of this proposed change in point of diversion, period of use, purpose of use, and place of use of the existing water right.

Attachment B provides clarification of the maximum annual quantity of water that should be available from the existing right. Specifically, the current maximum quantity available for irrigation from the existing water right should be 318 acre-feet per year (approximately 104 million gallons per year) for the first three years, and thereafter the quantity should be 490 acre-feet per year (160 million gallons per year). Attachment C provides an analysis conducted by the Washington Department of Ecology concluding that drawdown impacts will not lead to impairment of

⁷ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Groundwater>

neighboring water right users based on a much higher assumption of 1,043 acre-feet per year. Therefore, withdrawal of the smaller amount requested by DNR, and the even smaller amount that would be used by the Project during construction and operations, would not adversely impact neighboring water right users.

A Report of Examination was prepared by BCWCB and is included in Attachment A. This analysis addressed relevant water right data including information regarding the existing water right, previous use, water availability, potential for impairment of other existing water rights, beneficial use, and efficiency of use. DNR's requested change/transfer relies on withdrawing water in the same or lower quantities than the existing right, and from the same body of groundwater (management area) as the existing points of withdrawal for this portion of the Horse Heaven Hills area (see Benton County Water Control Board findings, p. 10). All of these issues were addressed to the satisfaction of the Water Board.

Based on the evidence provided in Attachments A, B, and C, use of up to approximately 66 million gallons per year (203 acre-feet per year) during Project construction, and 2 million gallons per year (6 acre-feet per year) during operations, would not cause significant drawdown or impair neighboring water rights.

- 2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (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.**

Fully described in FEIS Section 4.4.2, p. 4-76. Use of the Gould Well would not alter this analysis. No septic tanks will be installed, and no waste material will be discharged into the ground in association with use of this well.

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.**

Fully described in FEIS Section 4.4.2. Use of the Gould Well would not alter this analysis. As described in FEIS Section 4.4.2.1, impervious surfaces can increase the potential for surface water runoff to the receiving environment. Mitigation measures identified by the Certificate Holder along with measures required by EFSEC through the SCA would minimize the potential for adverse impacts from surface water runoff.

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

Fully described in FEIS Section 4.4.2. Use of the Gould Well would not alter this analysis. No waste materials would be discharged to ground or surface waters as a result of rehabilitation or use of this well.

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

Fully described in FEIS Section 4.4.2. Use of the Gould Well would not alter this analysis. Use of the well and construction of access road and storage yard would not alter drainage patterns because they would all be located on flat areas with minimal drainage of the very limited rainfall in this area.

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

Fully described in FEIS Section 4.4.2. Use of the Gould Well would not alter this analysis.

4. Plants

[Find help answering plants questions](#)

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

The site is located in a cultivated field which alternately contains grain crops or lies fallow.

- ☐ **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, bullrush, 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?

Because the site contains grain that is regularly harvested, no vegetation would need to be removed for construction of the road and yard or use of the well. Crop plowing patterns may need to be altered to adjust to the presence of a road through a portion of the field. The farmer was consulted regarding placement of the road and he will be able to accommodate any changes to plowing patterns resulting from its construction.

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

No threatened or endangered species are known to be on or near the location of the Gould Well and because the area is in cultivation, there is no suitable habitat known to be present for threatened or endangered plant species.

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

No landscaping or other measures are proposed for this use as there would be no temporary disturbance and permanently disturbed areas will be graveled.

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

No noxious weeds or invasive species are known to be on or near the site.

5. Animals

[Find help answering animal questions](#)⁸

a. List any birds and other animals that 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:
- **Fish:** bass, salmon, trout, herring, shellfish, other:

Wildlife species in the vicinity of the Horse Heaven Wind Farm are fully described in FEIS Section 3.6. Similar to the majority of the Project site, the Gould Well is located on agricultural land. Although a variety of animals and birds are known or suspected to be present in the vicinity (see Section 3.6.2.2 of the FEIS), the crops grown on the site generally do not provide high-quality habitat for the majority of these species.

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

Fully described in FEIS Section 3.6. Use of the Gould Well would not alter this analysis.

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

The site is not part of a known migration route or movement corridor (see Section 3.6.2.2 and Figure 3.6-2 of the FEIS). The general vicinity may be near the southern end of identified migration corridor for pronghorn but use of this well and the short access road are unlikely to alter migration patterns given the similar level of development across this landscape.

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

All measures identified in the SCA would be implemented for the Project. No additional measures are warranted for protection, preservation, or enhancement of wildlife at the Gould Well site.

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

None known.

⁸ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-5-Animals>

6. Energy and natural resources

[Find help answering energy and natural resource questions](#)⁹

- 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.**

Electric distribution service would be installed to provide power to the well.

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

There would be no impact on potential use of solar energy by adjacent properties.

- 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.**

Use of this well would reduce fuel consumption by water trucks for Project construction and operation because the well is closer to the point of use than other alternative water sources, thereby reducing driving distance for water trucks.

7. Environmental health

[Health Find help with answering environmental health questions](#)¹⁰

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

No toxic chemicals would be used for well cleanout or for construction of ancillary facilities. Use of the well would not alter the risk of fire, explosion, spill, or hazardous waste that was analyzed in the FEIS.

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

No known or suspected contamination is present at this site.

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.**

No existing hazardous chemicals/conditions are known or suspected.

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.**

⁹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-6-Energy-natural-resou>

¹⁰ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-7-Environmental-health>

Use of the Gould Well will not create any new toxic or hazardous waste chemical storage, use, or production. No toxic or hazardous waste chemicals will be used or stored on the well site.

4. Describe special emergency services that might be required.

No special emergency services will be required for use of the Gould Well.

5. Proposed measures to reduce or control environmental health hazards, if any.

Use of the Gould Well will comply with all SCA conditions and certificate holder commitments.

b. Noise

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

Noise in the area is consistent with agricultural activity and would not affect use of the Gould Well.

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)?

Water trucks driving to and from the well location would create typical engine noise in the close vicinity. Water trucks would generally operate during daylight hours while construction is underway.

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

Activities associated with the Gould Well would comply with noise mitigation measures specified in the SCA.

8. Land and shoreline use

[Find help answering land and shoreline use questions](https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use)¹¹

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 owned by DNR and leased by a farmer who plants and harvests dryland wheat. Adjacent properties are used for similar purposes. Construction of the access road may require minor alterations to the plow pattern in the vicinity of the road but will not significantly alter land use either on this property or on 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 because 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?

¹¹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use>

Yes, the site has been used as working farmlands. Approximately 2.25 acres of crop land would be converted to gravel road and storage/working yard.

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

Surrounding farm operations will not affect or be affected by use of the Gould Well except to the extent that plow patterns may need to shift to accommodate the new access road. Rehabilitation of the well will allow its use by other users and for other purposes, including planned use for irrigated agriculture.

c. Describe any structures on the site.

No existing structures are on the site other than the well itself.

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

No structures will be demolished.

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

This site is zoned GMA Agricultural District.

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

The comprehensive plan designation is GMA AG.

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

There is no shoreline master program designation for the site. The nearest Shoreline of the State is the Yakima River.

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

The site is not located in a critical area as defined in Benton County's Critical Areas Ordinance (see mapping on pp. 81-86 [here](#)).

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

None.

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

None.

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

None.

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

Groundwater wells and groundwater withdrawal are inherently compatible with agricultural use.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

None needed. Improvements to the well infrastructure will be a benefit to agricultural activity.

9. Housing

[Find help answering housing questions](#)¹²

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 needed.

10. Aesthetics

[Find help answering aesthetics questions](#)¹³

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

Well infrastructure and temporary water storage tanks would not exceed 15 to 20 feet in height. Water storage tanks would be made of heavy duty polyethylene, aluminum, or other suitable material. Well infrastructure would generally be made of steel or concrete as appropriate.

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

Well infrastructure will be compatible with and similar to other agricultural infrastructure in the vicinity. Passersby on Sellards Road could see the well infrastructure at a distance of approximately 0.5 mile.

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

No measures to reduce or control aesthetic impacts are needed because the infrastructure would be consistent with other agricultural infrastructure in the area.

¹² <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-9-Housing>

¹³ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-10-Aesthetics>

11. Light and glare

[Find help answering light and glare questions](#)¹⁴

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

No light or glare would be produced by the well.

- 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?**

Off-site sources of light or glare, if any, would not impair the well operation.

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

None needed.

12. Recreation

[Find help answering recreation questions](#)

- a. **What designated and informal recreational opportunities are in the immediate vicinity?**

None. Recreational activities are fully described in FEIS Section 4.12 and ASC Figure 4.2.4-1. No recreation locations were identified in the vicinity of the Gould Well.

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

No. The site is used for agriculture.

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

None needed.

13. Historic and cultural preservation

[Find help answering historic and cultural preservation questions](#)¹⁵

- 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? If so, specifically describe.**

No.

- 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**

¹⁴ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-11-Light-glare>

¹⁵ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-13-Historic-cultural-p>

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.

None identified. No intrusive work will occur as part of well rehabilitation. Grading for yard and road construction will be at similar or shallower depth to existing plow depth.

- 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.**

None.

- 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.**

None needed.

14. Transportation

[Find help with answering transportation questions](#)¹⁶

- 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.**

Sellards Road is an existing county road that passes approximately one-half mile to the south of the Gould Well. See Figure 1 and Figure 2.

- 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. Nearest transit stop is at least 15 miles away.

- c. 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.

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

No.

- e. 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?**

¹⁶ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-14-Transportation>

Truck trips included in the Traffic Impact Analysis provided to EFSEC in May 2023 and approved by WSDOT included an estimated daily average of 200 to 250 trucks per day (Traffic Impact Analysis, Appendix X to the ASC, Table 7). Water trucks for dust control were included in the analysis (ASC Table 4.3-6 and Section 4.3.2.1; FEIS Table 2-4). Use of the Gould Well would mean shorter trips for water trucks than were previously anticipated but otherwise would not alter the analysis conducted for the ASC and the FEIS, Section 4.14.

- f. 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.**

Fully described in FEIS Section 4.14. Use of the Gould Well would not alter this analysis.

- g. Proposed measures to reduce or control transportation impacts, if any:**

Fully described in FEIS Section 4.14. Use of the Gould Well would not alter this analysis and the Certificate Holder would continue to comply with SCA conditions regarding traffic safety.

15. Public services

[Find help answering public service questions¹⁷](#)

- 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.**

No.

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

None needed.

16. Utilities

[Find help answering utilities questions¹⁸](#)

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

An electrical distribution line runs along Sellards Road. This line would be upgraded as desired by the local utility and tapped and a short overhead line would be strung along the new access road to provide power to the well pump.

- 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.**

¹⁷ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-15-public-services>

¹⁸ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-16-utilities>

Benton Rural Electric Cooperative (BREA) would install, own, and maintain a new electrical distribution line. Support structures would be installed along the proposed access road.

C. Signature

[Find help about who should sign](#)¹⁹

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.

 Recoverable Signature

X DR Kobus

Signed by: S-1-1-243656716-1280683967-4039784376-38348072/9ed9184d-5a82-4e72-a94a-44c8ae404295/1

Type name of signee:

Position and agency/organization:

Date submitted:

D. Supplemental sheet for nonproject actions

[Find help for the nonproject actions worksheet](#)²⁰

Do not use this section for project actions.

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

- 1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?**

- Proposed measures to avoid or reduce such increases are:**

- 2. How would the proposal be likely to affect plants, animals, fish, or marine life?**

¹⁹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-C-Signature>

²⁰ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-d-non-project-actions>

- Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

- Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection, such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

- Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

- Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

- Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

SEPA¹ Environmental Checklist

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.

¹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/Checklist-guidance>

A. Background

[Find help answering background questions²](https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background)

1. Name of proposed project, if applicable:

Horse Heaven Wind Farm

2. Name of applicant:

Horse Heaven Wind Farm, LLC

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

Dave Kobus

4. Date checklist prepared:

January 14, 2025

5. Agency requesting checklist:

Energy Facility Site Evaluation Council (EFSEC)

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

As described in EFSEC's Final Environmental Impact Statement (FEIS)

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.

Final Environmental Impact Statement for the Horse Heaven Wind Farm (EFSEC, 2023)

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.

No

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

Site Certification Agreement from EFSEC (already issued)

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.)

An existing groundwater well, owned by the Washington Department of Natural Resources (DNR) and known as the Gould Well, will be used to provide water during construction and operation of the Horse Heaven Wind Farm. Leasing of this water represents a change to

² <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background>

water rights that DNR had previously placed in the Temporary Trust Water Right Program in 2022. The well itself is an existing well, owned by DNR, and water rights will continue to be owned and maintained by DNR. Horse Heaven Wind Farm will purchase water from DNR under contract. As described in the FEIS, up to approximately 220,000 gallons per day on average would be used during construction. At 50 weeks per year, 6 days per week, this would total up to approximately 66 million gallons per year that would be purchased by the Certificate Holder from DNR and transported to the Project site to mix concrete, treat roads to manage fugitive dust, and store water for fire prevention

Figure 1, attached to this SEPA checklist, shows the location of the Gould Well relative to the Horse Heaven Wind Farm (facilities as depicted in the Final ASC for Turbine Option 1; Figure 2.3-1, Scout, September 2023). The following components will be installed to allow use of the well for construction and operation of the Horse Heaven Wind Farm or for other future unrelated purposes to be determined and governed by DNR:

- Existing intact well to be cleaned out and new pump machinery installed
- Gravel access road leading from Sellards Road to the well location will be installed
- Graveled yard will be installed to allow truck turnaround and placement of temporary water storage tanks; temporary storage tanks will be removed at the end of construction, unless otherwise determined by DNR
- A new overhead distribution line will be installed, to be owned and operated by Benton Rural Electric Cooperative. The new line will run along the western property line, generally following the new gravel access road to provide power to the well pump.

Well upgrades will also serve other users, such as the farmer who leases the DNR land on which the well is located, as he will be able to purchase water from DNR to irrigate nearby crops.

Although use of water sourced from wells fed by regional aquifers was identified in the Final EIS (see e.g. Final EIS, p. 4-69), the EIS analysis did not specifically address use of the Gould Well. As a result, supplemental information is provided to demonstrate that use of this well would not substantially change the analysis of significant impacts and alternatives in the Final EIS, as allowed under WAC 197-11-706.

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.

Benton County, DNR Gould Well, located on Parcel 136851000000000. Township 8N, Range 25EWM, Section 36, NW1/4NE1/4. See Figure 1.

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS USED

All within: NW1/4 of NE1/4, Section 36, T.8N, R.25 EWM; and within sections or portions thereof within T.9N, R.26 EWM and T.9N, R.27 EWM and T.8N, R.25 EWM and T.8N, R.26 EWM and T.8N, R.27 EWM and T.7N, R.26 EWM and T.7N, R.27 EWM and T.8N, R.28 EWM and T.7N, R.28 EWM and T.7N, R.29 EWM and T.7N, R.30 EWM and T.6N, R.30 EWM and T.6N, R.31 EWM; and described in detailed site tables and maps (application attachments).

B.Environmental Elements

1. Earth

[Find help answering earth questions³](#)

a. General description of the site:

Circle or highlight one: Flat, rolling, hilly, steep slopes, mountainous, other:

Fully described in FEIS chapter 3.2, no change resulting from use of the Gould Well. The well location and route for the new access road are generally flat.

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

Fully described in FEIS chapter 3.2, no change resulting from use of the Gould Well. The well location and route for the new access road are generally flat (see attached Figure 1 along with FEIS Figure 3.2-6).

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.

Fully described in FEIS chapter 3.2, no change resulting from use of the Gould Well. Soils in the vicinity of the well site and road are consistent with soils elsewhere on the project site.

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

Fully described in FEIS chapter 3.2, no change resulting from use of the Gould Well. No unstable soils at this location.

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.

Described in FEIS chapter 4.2.

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

Fully described in FEIS chapter 4.2, no change resulting from use of the Gould Well.

³ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-earth>

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

Generally consistent and as described in FEIS chapter 4.2. Use of the Gould Well will entail placement of gravel along one-half mile of new road and in the graveled yard at the well site. Construction of the road and graveled yard will result in new permanent disturbance on DNR land, owned and operated by DNR, and that will be used by others including the farmer who leases this DNR parcel. Because it is not within the project's site boundary and the land will not be leased by, or owned or operated by, the Horse Heaven Wind Farm, this disturbance is not part of the project. However, to the extent that associated disturbance may be quantified as partially to benefit Project construction and operation, a total of approximately 2.25 acre (graveled yard and gravel road) of new impervious surface will be installed at this location. This is de minimis in comparison to the 6,869 acres of permanent disturbance analyzed in the FEIS and further would be more than offset by changes to the Project layout that will occur due to other unrelated modifications to location and number of wind turbines and solar arrays during the final design process.

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

Fully described in FEIS chapter 4.2, no change resulting from use of the Gould Well.

2. Air

[Find help answering air questions⁴](#)

- 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.**

Use of the Gould Well would not alter the analysis presented in the FEIS, Chapter 4.3.2, except that use of this well in proximity to the project site could reduce vehicle emissions from water trucks over selection of a site located farther from the project. Dust may be generated by trucks using the new graveled access road, but dust would be managed as described in the FEIS and as required by Site Certification Agreement (SCA) conditions. Once water trucks leave the new graveled access road, they will travel on Sellards Road, which is a paved road, and from there onto other roads that have been analyzed and described in the FEIS.

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

Fully described in FEIS chapter 3.3, no change resulting from use of the Gould Well.

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

⁴ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-Air>

Fully described in FEIS chapter 3.3, no change resulting from use of the Gould Well. The Applicant would comply with SCA Conditions including speed limits set in place to reduce air emissions.

3. Water

[Find help answering water questions](#)⁵

a. Surface:

[Find help answering surface water questions](#)⁶

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.**

Fully described in FEIS chapter 3.4, no change resulting from use of the Gould Well. No wetlands or waters would be disturbed by construction of the road or use of the existing well.

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.**

Fully described in FEIS chapter 4.4, no change resulting from use of the Gould Well. No wetlands or streams have been delineated within 200 feet of the proposed activity.

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.**

Fully described in FEIS chapter 4.4, no change resulting from use of the Gould Well. No fill or dredge material would be placed in or removed from surface water or wetlands as a result of the proposed activity.

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

Fully described in FEIS chapter 4.4, no change resulting from use of the Gould Well. No surface water withdrawals or diversions would be required.

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

Fully described in FEIS chapter 4.4, no change resulting from use of the Gould Well. The Gould Well and proposed access road do not lie in a floodplain.

⁵ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water>

⁶ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Surface-water>

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.

Fully described in FEIS chapter 4.4, no change resulting from use of the Gould Well.
No waste materials would be discharged to surface waters.

b. Ground:

[Find help answering ground water questions](#)⁷

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 a general description, purpose, and approximate quantities if known.

As described in Chapter 4.4.2 of the FEIS, an average of approximately 220,000 gallons of water per day will be required during construction. This results in an estimated total of up to approximately 66 million gallons per year based on 50 weeks of construction and conservatively assuming 6 days per week. As described in the FEIS, this water will be used to mix concrete, treat roads to manage fugitive dust, and store water for fire prevention. Once construction is complete, groundwater may be used to wash solar panels at a rate of up to approximately 2,025,000 gallons per year.

The FEIS described use of water from “a local off-site public utility with water sources being the Columbia or Snake River, local private irrigators with collector wells on the banks of the Columbia River, or wells that are fed from regional aquifers” (FEIS Section 4.4.2, p. 4-69). Use of the Gould Well falls within this use characterization because it is a ‘well that is fed from regional aquifers’.

Although the FEIS acknowledged use of wells fed by regional aquifers as a potential water source, it did not specifically address potential impacts to aquifers from groundwater withdrawal. Further, the FEIS specifically excludes potential use of the DNR Gould Well for water supply, stating that supplemental analysis would be required. This SEPA checklist provides the supplemental analysis to address potential impacts to groundwater. Specifically, see Attachment A, which provides documentation of the Benton County Water Conservancy Board (BCWCB) review of this proposed change in point of diversion, period of use, purpose of use, and place of use of the existing water right.

Attachment B provides clarification of the maximum annual quantity of water that should be available from the existing right. Specifically, the current maximum quantity available for irrigation from the existing water right should be 318 acre-feet per year (approximately 104 million gallons per year) for the first three years, and thereafter the quantity should be 490 acre-feet per year (160 million gallons per year). Attachment C provides an analysis conducted by the Washington Department of Ecology concluding that drawdown impacts will not lead to impairment of

⁷ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Groundwater>

neighboring water right users based on a much higher assumption of 1,043 acre-feet per year. Therefore, withdrawal of the smaller amount requested by DNR, and the even smaller amount that would be used by the Project during construction and operations, would not adversely impact neighboring water right users.

A Report of Examination was prepared by BCWCB and is included in Attachment A. This analysis addressed relevant water right data including information regarding the existing water right, previous use, water availability, potential for impairment of other existing water rights, beneficial use, and efficiency of use. DNR's requested change/transfer relies on withdrawing water in the same or lower quantities than the existing right, and from the same body of groundwater (management area) as the existing points of withdrawal for this portion of the Horse Heaven Hills area (see Benton County Water Control Board findings, p. 10). All of these issues were addressed to the satisfaction of the Water Board.

Based on the evidence provided in Attachments A, B, and C, use of up to approximately 66 million gallons per year (203 acre-feet per year) during Project construction, and 2 million gallons per year (6 acre-feet per year) during operations, would not cause significant drawdown or impair neighboring water rights.

- 2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (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.**

Fully described in FEIS Section 4.4.2, p. 4-76. Use of the Gould Well would not alter this analysis. No septic tanks will be installed, and no waste material will be discharged into the ground in association with use of this well.

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.**

Fully described in FEIS Section 4.4.2. Use of the Gould Well would not alter this analysis. As described in FEIS Section 4.4.2.1, impervious surfaces can increase the potential for surface water runoff to the receiving environment. Mitigation measures identified by the Certificate Holder along with measures required by EFSEC through the SCA would minimize the potential for adverse impacts from surface water runoff.

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

Fully described in FEIS Section 4.4.2. Use of the Gould Well would not alter this analysis. No waste materials would be discharged to ground or surface waters as a result of rehabilitation or use of this well.

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

Fully described in FEIS Section 4.4.2. Use of the Gould Well would not alter this analysis. Use of the well and construction of access road and storage yard would not alter drainage patterns because they would all be located on flat areas with minimal drainage of the very limited rainfall in this area.

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

Fully described in FEIS Section 4.4.2. Use of the Gould Well would not alter this analysis.

4. Plants

[Find help answering plants questions](#)

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

The site is located in a cultivated field which alternately contains grain crops or lies fallow.

- ☐ **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, bullrush, 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?

Because the site contains grain that is regularly harvested, no vegetation would need to be removed for construction of the road and yard or use of the well. Crop plowing patterns may need to be altered to adjust to the presence of a road through a portion of the field. The farmer was consulted regarding placement of the road and he will be able to accommodate any changes to plowing patterns resulting from its construction.

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

No threatened or endangered species are known to be on or near the location of the Gould Well and because the area is in cultivation, there is no suitable habitat known to be present for threatened or endangered plant species.

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

No landscaping or other measures are proposed for this use as there would be no temporary disturbance and permanently disturbed areas will be graveled.

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

No noxious weeds or invasive species are known to be on or near the site.

5. Animals

[Find help answering animal questions](#)⁸

a. List any birds and other animals that 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:
- **Fish:** bass, salmon, trout, herring, shellfish, other:

Wildlife species in the vicinity of the Horse Heaven Wind Farm are fully described in FEIS Section 3.6. Similar to the majority of the Project site, the Gould Well is located on agricultural land. Although a variety of animals and birds are known or suspected to be present in the vicinity (see Section 3.6.2.2 of the FEIS), the crops grown on the site generally do not provide high-quality habitat for the majority of these species.

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

Fully described in FEIS Section 3.6. Use of the Gould Well would not alter this analysis.

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

The site is not part of a known migration route or movement corridor (see Section 3.6.2.2 and Figure 3.6-2 of the FEIS). The general vicinity may be near the southern end of identified migration corridor for pronghorn but use of this well and the short access road are unlikely to alter migration patterns given the similar level of development across this landscape.

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

All measures identified in the SCA would be implemented for the Project. No additional measures are warranted for protection, preservation, or enhancement of wildlife at the Gould Well site.

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

None known.

⁸ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-5-Animals>

6. Energy and natural resources

[Find help answering energy and natural resource questions](#)⁹

- 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.**

Electric distribution service would be installed to provide power to the well.

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

There would be no impact on potential use of solar energy by adjacent properties.

- 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.**

Use of this well would reduce fuel consumption by water trucks for Project construction and operation because the well is closer to the point of use than other alternative water sources, thereby reducing driving distance for water trucks.

7. Environmental health

[Health Find help with answering environmental health questions](#)¹⁰

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

No toxic chemicals would be used for well cleanout or for construction of ancillary facilities. Use of the well would not alter the risk of fire, explosion, spill, or hazardous waste that was analyzed in the FEIS.

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

No known or suspected contamination is present at this site.

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.**

No existing hazardous chemicals/conditions are known or suspected.

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.**

⁹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-6-Energy-natural-resou>

¹⁰ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-7-Environmental-health>

Use of the Gould Well will not create any new toxic or hazardous waste chemical storage, use, or production. No toxic or hazardous waste chemicals will be used or stored on the well site.

4. Describe special emergency services that might be required.

No special emergency services will be required for use of the Gould Well.

5. Proposed measures to reduce or control environmental health hazards, if any.

Use of the Gould Well will comply with all SCA conditions and certificate holder commitments.

b. Noise

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

Noise in the area is consistent with agricultural activity and would not affect use of the Gould Well.

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)?

Water trucks driving to and from the well location would create typical engine noise in the close vicinity. Water trucks would generally operate during daylight hours while construction is underway.

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

Activities associated with the Gould Well would comply with noise mitigation measures specified in the SCA.

8. Land and shoreline use

[Find help answering land and shoreline use questions](https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use)¹¹

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 owned by DNR and leased by a farmer who plants and harvests dryland wheat. Adjacent properties are used for similar purposes. Construction of the access road may require minor alterations to the plow pattern in the vicinity of the road but will not significantly alter land use either on this property or on 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 because 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?

¹¹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use>

Yes, the site has been used as working farmlands. Approximately 2.25 acres of crop land would be converted to gravel road and storage/working yard.

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

Surrounding farm operations will not affect or be affected by use of the Gould Well except to the extent that plow patterns may need to shift to accommodate the new access road. Rehabilitation of the well will allow its use by other users and for other purposes, including planned use for irrigated agriculture.

c. Describe any structures on the site.

No existing structures are on the site other than the well itself.

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

No structures will be demolished.

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

This site is zoned GMA Agricultural District.

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

The comprehensive plan designation is GMA AG.

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

There is no shoreline master program designation for the site. The nearest Shoreline of the State is the Yakima River.

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

The site is not located in a critical area as defined in Benton County's Critical Areas Ordinance (see mapping on pp. 81-86 [here](#)).

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

None.

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

None.

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

None.

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

Groundwater wells and groundwater withdrawal are inherently compatible with agricultural use.

- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:**

None needed. Improvements to the well infrastructure will be a benefit to agricultural activity.

9. Housing

[Find help answering housing questions](#)¹²

- 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 needed.

10. Aesthetics

[Find help answering aesthetics questions](#)¹³

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

Well infrastructure and temporary water storage tanks would not exceed 15 to 20 feet in height. Water storage tanks would be made of heavy duty polyethylene, aluminum, or other suitable material. Well infrastructure would generally be made of steel or concrete as appropriate.

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

Well infrastructure will be compatible with and similar to other agricultural infrastructure in the vicinity. Passersby on Sellards Road could see the well infrastructure at a distance of approximately 0.5 mile.

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

No measures to reduce or control aesthetic impacts are needed because the infrastructure would be consistent with other agricultural infrastructure in the area.

¹² <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-9-Housing>

¹³ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-10-Aesthetics>

11. Light and glare

[Find help answering light and glare questions](#)¹⁴

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

No light or glare would be produced by the well.

- 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?**

Off-site sources of light or glare, if any, would not impair the well operation.

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

None needed.

12. Recreation

[Find help answering recreation questions](#)

- a. **What designated and informal recreational opportunities are in the immediate vicinity?**

None. Recreational activities are fully described in FEIS Section 4.12 and ASC Figure 4.2.4-1. No recreation locations were identified in the vicinity of the Gould Well.

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

No. The site is used for agriculture.

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

None needed.

13. Historic and cultural preservation

[Find help answering historic and cultural preservation questions](#)¹⁵

- 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? If so, specifically describe.**

No.

- 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**

¹⁴ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-11-Light-glare>

¹⁵ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-13-Historic-cultural-p>

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.

None identified. No intrusive work will occur as part of well rehabilitation. Grading for yard and road construction will be at similar or shallower depth to existing plow depth.

- 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.**

None.

- 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.**

None needed.

14. Transportation

[Find help with answering transportation questions](#)¹⁶

- 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.**

Sellards Road is an existing county road that passes approximately one-half mile to the south of the Gould Well. See Figure 1 and Figure 2.

- 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. Nearest transit stop is at least 15 miles away.

- c. 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.

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

No.

- e. 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?**

¹⁶ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-14-Transportation>

Truck trips included in the Traffic Impact Analysis provided to EFSEC in May 2023 and approved by WSDOT included an estimated daily average of 200 to 250 trucks per day (Traffic Impact Analysis, Appendix X to the ASC, Table 7). Water trucks for dust control were included in the analysis (ASC Table 4.3-6 and Section 4.3.2.1; FEIS Table 2-4). Use of the Gould Well would mean shorter trips for water trucks than were previously anticipated but otherwise would not alter the analysis conducted for the ASC and the FEIS, Section 4.14.

- f. 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.**

Fully described in FEIS Section 4.14. Use of the Gould Well would not alter this analysis.

- g. Proposed measures to reduce or control transportation impacts, if any:**

Fully described in FEIS Section 4.14. Use of the Gould Well would not alter this analysis and the Certificate Holder would continue to comply with SCA conditions regarding traffic safety.

15. Public services

[Find help answering public service questions¹⁷](#)

- 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.**

No.

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

None needed.

16. Utilities

[Find help answering utilities questions¹⁸](#)

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

An electrical distribution line runs along Sellards Road. This line would be upgraded as desired by the local utility and tapped and a short overhead line would be strung along the new access road to provide power to the well pump.

- 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.**

¹⁷ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-15-public-services>

¹⁸ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-16-utilities>

Benton Rural Electric Cooperative (BREA) would install, own, and maintain a new electrical distribution line. Support structures would be installed along the proposed access road.

C. Signature

[Find help about who should sign](#)¹⁹

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.

 Recoverable Signature

X DR Kobus

Signed by: S-1-1-243656716-1280683967-4039784376-38348072/9ed9184d-5a82-4e72-a94a-44c8ae404295/1

Type name of signee:

Position and agency/organization:

Date submitted:

D. Supplemental sheet for nonproject actions

[Find help for the nonproject actions worksheet](#)²⁰

Do not use this section for project actions.

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

- 1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?**

- Proposed measures to avoid or reduce such increases are:**

- 2. How would the proposal be likely to affect plants, animals, fish, or marine life?**

¹⁹ <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-C-Signature>

²⁰ <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-d-non-project-actions>

- Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

- Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection, such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

- Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

- Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

- Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

Figures

Horse Heaven Wind Project



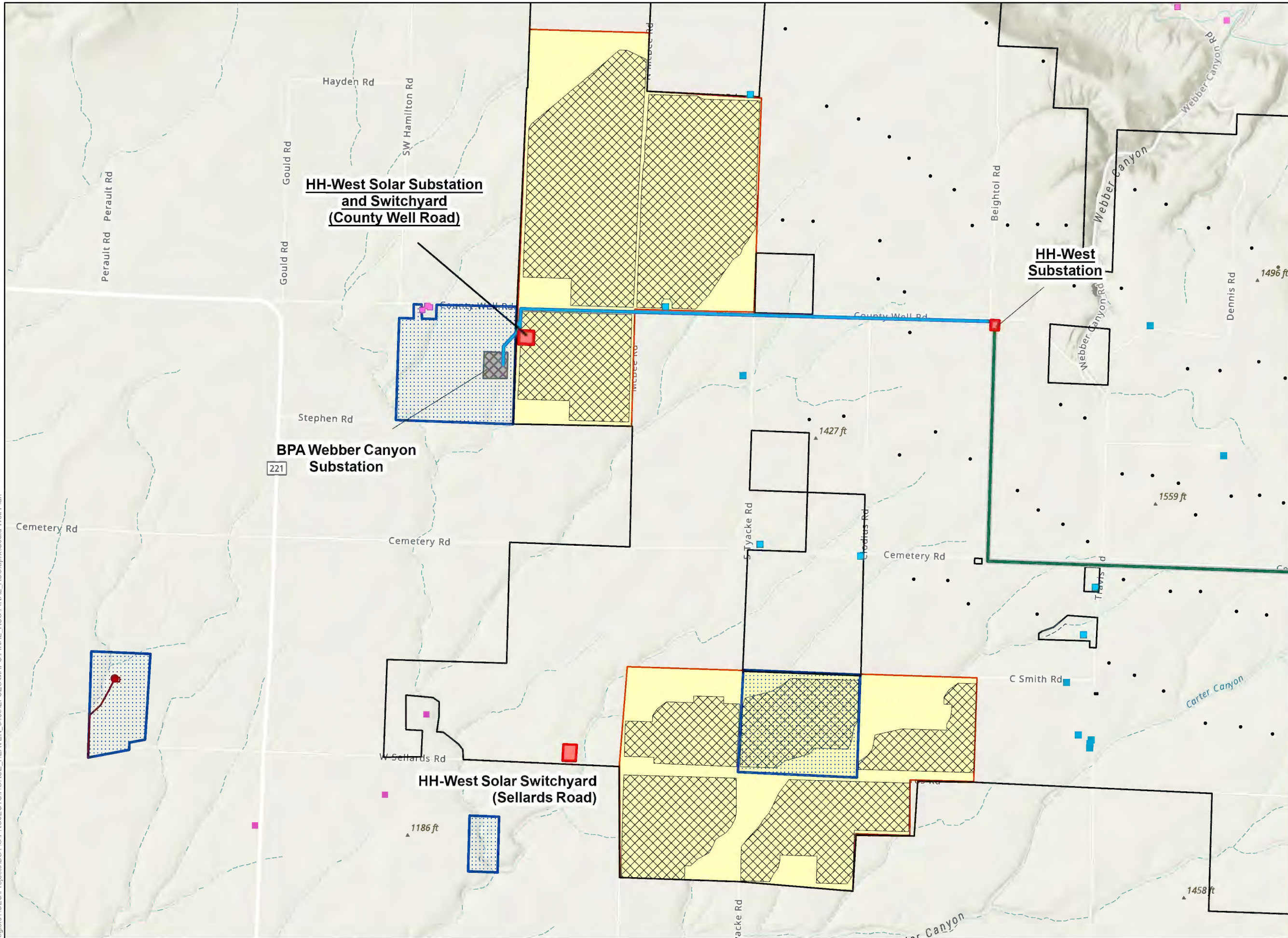
Gould Well Plan

BENTON COUNTY, WA

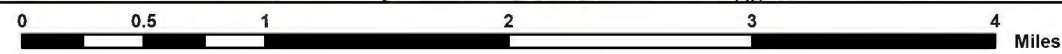
- Gould Well
- ▭ Access Road and Storage Yard
- Residence - Participating
- Residence - Non-participating
- ▭ Project Lease Boundary
- Option 1 Turbine Layout
- 230-kV Intertie Transmission Line
- County Well Road 500-kV Transmission Line
- ▨ DNR Parcel
- Project Substation
- ▨ Solar Array
- ▭ Solar Siting Area



Reference Map



1:50,000 WGS 1984 UTM Zone 11N



NOT FOR CONSTRUCTION

\\cass706gsls1\ICES\Projects\BOTG\PROJECTS\HORSE_HEAVEN_6430\EFSEC\MAPS\FINAL_ASC\FINAL_ASC.aprx\Gould Well Plan

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**Horse Heaven
Wind Project**



Gould Well Plan
BENTON COUNTY, WA

- Gould Well
- Access Road and Storage Yard
- ▨ DNR Parcel



Reference Map



1:12,000 WGS 1984 UTM Zone 11N

0 0.05 0.1 0.2 0.3 0.4 Miles

NOT FOR CONSTRUCTION

Attachment A
Benton County Water Conservancy Board
Record of Decision

Received:

Date Stamp

Benton County
WATER CONSERVANCY BOARD

Record of Decision

Applicant: HHH Wind Farm (with DNR)

Application Number: G3-+22306CWRIS BENT-24-01

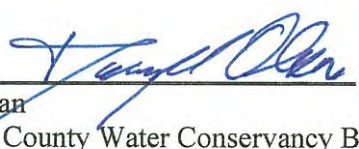
The attached Report of Examination has been reviewed by the BCWCB members; and this Record of Decision was made at an open public meeting of the Benton County Water Conservancy Board held on July 12, 2024, with any changes to ROE/ROD based on information received from the applicant and WADOE staff.

(X) Approval:


The Benton County Water Conservancy Board hereby grants conditional approval for the water right transfer described and conditioned within the report of examination and submits this record of decision and report of examination to the Department of Ecology for final review or consideration.

() Denial:

The Benton County Water Conservancy Board hereby denies conditional approval for the water right transfer as described within the report of examination and submits this record of decision to the Department of Ecology for final review or consideration.

Signed  Date: 7/12/2024
Chairman
Benton County Water Conservancy Board

Approves
Denies
Recused
Abstains
Excused Absence

Signed  Date: 7/12/2024
Board Member
Benton County Water Conservancy Board

Approves
Denies
Recused
Abstains
Excused Absence

Signed _____ Date: 7/12/2024
Board Member
Benton County Water Conservancy Board

Approves
Denies
Recused
Abstains
Excused Absence

Final ROE/ROD Mailed to the Department of Ecology, Central Region Office, via tracked mail, and to other interested parties on or before 7/29/2024.



BENTON COUNTY WATER CONSERVANCY BOARD

Application/Review for Change/Transfer

OF A RIGHT TO THE BENEFICIAL USE OF THE PUBLIC WATERS OF
THE STATE OF WASHINGTON

Report of Examination

Prepared by Members of the Benton County Water Conservancy Board

Per ECY-040-106 (08/2015) Form Format

Pursuant to WAC 173-153-130(8), the applicant is not permitted to proceed to act on the proposal until Ecology completes its review of the Water Boards decision. If Ecology takes no action within forty-five days of receipt of this ROE/ROD, then the Water Board's decision, as written, is final.

Surface Water <input type="checkbox"/>		Ground Water <input checked="" type="checkbox"/>	
DATE APPLICATION RECEIVED February 2024 Additional Information March-May 2024	WATER RIGHT DOCUMENT NUMBER G3-+22306CWRIS	WATER RIGHT PRIORITY DATE December 26, 1973	BOARD-ASSIGNED CHANGE APPLICATION BENT-24-01

NAME Attention: Dave Kobus				E-Mail: dave@scoutenergy.com			
ADDRESS (STREET) HHH Wind Farm, LLC, 5775 Flatiron Parkway, Ste 120		(CITY) Boulder		(STATE) CO		(ZIP CODE) 80301	

Changes Proposed: ☒ Change purpose ☒ Add purpose ☐ Add irrigated acres ☒ Add point of diversion/withdrawal
☐ Change under RCW 90.03.380. ☒ Change Place of Use

SEPA

The board has reviewed the provisions of the State Environmental Policy Act of 1971, Chapter 43.21C RCW and the SEPA rules, chapter 197-11 WAC and has determined the application is: ☐ Exempt (water right) ☒ Not exempt (proposed project)

: ☐ Determination of Non-Significance

The direct (net) water right change/transfer described herein is subject to SEPA review, per a state environmental impact statement (EIS) issued by the Energy Facility Site Evaluation Council (EFSEC); and determined that under the Final EIS, SEPA compliance had been met (full disclosure of the water source and associated impacts). See below section for more discussion.

BACKGROUND AND DECISION SUMMARY

Prepared by Members of the Benton County Water Conservancy Board

Existing Rights

DNR G3-+22306CWRIS Trust Program Donation 2022	MAXIMUM GAL/MINUTE gpm 1,955 1,955	MAXIMUM ACRE-FT/YR Acre-ft. 1,043 409	TYPE OF USE, PERIOD OF USE Acres Irrigation 260.7 acres, irrigation season. Irrigation of 260.7 acres (Equivalent).				
SOURCE Groundwater			TRIBUTARY OF (IF SURFACE WATER)				
AT A POINT LOCATED: Wells (Parcel Nos.)	$\frac{1}{4}$	$\frac{1}{4}$	SECTION	TOWNSHIP N.	RANGE EWM	WRIA	COUNTY
1 136750000000000	SW	SW	36	7N	25EWM		Benton
2	SE	NW					
LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS USED							
All within: Section 36, T.7N, R.25 EWM; and application site maps.							

Proposed Use

DNR-Scout G3-+22306CWRIS After Project Development	MAXIMUM GAL/MINUTE gpm 1,955 150 150 1,955 150	MAXIMUM ACRE-FT/YR Acre-ft. 243.3 184 12 405.3 12	TYPE OF USE, PERIOD OF USE Acres 70.2 Irrigation season (Phased Development). Industrial, Construction, Dust Control (Year Round 3 Years). Industrial (Year Round). 122 Irrigation season (After Development). Industrial (Year Round).				
SOURCE Groundwater			TRIBUTARY OF (IF SURFACE WATER)				
AT A POINT LOCATED: Wells (Parcel Nos.)	$\frac{1}{4}$	$\frac{1}{4}$	SECTION	TOWNSHIP N.	RANGE EWM	WRIA	COUNTY
1 (Gould Well) 136851000000000	NW	NE	36	8N	25EWM		Benton
LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS USED							
All within: NW1/4 of NE1/4, Section 36, T.8N, R.25 EWM; and within sections or portions thereof within T.9N, R.26 EWM and T.9N, R.27 EWM and T.8N, R.25 EWM and T.8N, R.26 EWM and T.8N, R.27 EWM and T.7N, R.26 EWM and T.7N, R.27 EWM and T.8N, R.28 EWM and T.7N, R.28 EWM and T.7N, R.29 EWM and T.7N, R.30 EWM and T.6N, R.30 EWM and T.6N, R.31 EWM; and described in detailed site tables and maps (application attachments).							

Water Board Decision

DNR-Scout	MAXIMUM GAL/MINUTE gpm	MAXIMUM ACRE-FT/YR Acre-ft.	TYPE OF USE, PERIOD OF USE Acres				
G3-+22306CWRIS	526.5	280.8	70.2 Irrigation season (Phased Development). Industrial, Construction, Dust Control (Year Round 3 Years). Industrial (Year Round).				
	150	184					
	150	12					
After Project Development	918.8	490	122.5 Irrigation season (After Development). Industrial (Year Round).				
	150	12					
SOURCE Groundwater			TRIBUTARY OF (IF SURFACE WATER)				
AT A POINT LOCATED:							
<u>Wells (Parcel Nos.)</u>	<u>¼</u>	<u>¼</u>	<u>SECTION</u>	<u>TOWNSHIP N.</u>	<u>RANGE EWM</u>	<u>WRJA</u>	<u>COUNTY</u>
1 (Gould Well)	NW	NE	36	8N	25EWM		Benton
136851000000000							
LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS USED							
All within: NW1/4 of NE1/4, Section 36, T.8N, R.25 EWM; and within sections or portions thereof within T.9N, R.26 EWM and T.9N, R.27 EWM and T.8N, R.25 EWM and T.8N, R.26 EWM and T.8N, R.27 EWM and T.7N, R.26 EWM and T.7N, R.27 EWM and T.8N, R.28 EWM and T.7N, R.28 EWM and T.7N, R.29 EWM and T.7N, R.30 EWM and T.6N, R.30 EWM and T.6N, R.31 EWM; and described in detailed site tables and maps (application attachments).							

DESCRIPTION OF PROPOSED WORKS

The overall project involves a new wind-solar farm, with some irrigation land provided. The project traverses several thousands of acres across the Northern Horse Heaven Hills ridge.

A groundwater well located near the proposed development area will provide water pumping and service. There will be new mainline and distribution systems for water service delivery.

This change/transfer represents a change to the subject water rights, previously placed in the Temporary Trust Water Right Program, in 2022, by DNR, as reviewed by the Ecology.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	COMPLETE CHANGE AND PUT WATER TO FULL USE BY THIS DATE:
Initiate Immediately	By January 1, 2028	By January 1, 2030

NOTE: The Water Board establishes the development schedule, as required under RCW 90.80.070, 90.80.080, and WAC 173-153-130. The schedule may be extended by WADOE if diligence is demonstrated in the completion of this project.

REPORT OF EXAMINATION

Prepared by Members of the Benton County Water Conservancy Board

BACKGROUND

The applicant is: HHH Wind Farm, LLC (with DNR water right ownership), 5775 Flatiron Parkway, Suite 120, Boulder, Colorado, 80301.

This project is being proposed to provide additional green power resources for the region.

As noted above, an existing groundwater well will be used to service the project site, for multiple industrial and agricultural purposes. New primary and secondary mainlines will be built to provide site water delivery.

Attributes of the water right as currently documented:

Name on Certificate: WA State Dept of Natural Resources, SE Region, 713 Bowler Rd., Ellensburg, WA 98926.

West Richland G3-+22306CWRIS	MAXIMUM GAL/MINUTE gpm 1,955	MAXIMUM ACRE-FT/YR Acre-ft. 1,043	TYPE OF USE, PERIOD OF USE Acres Irrigation 260.7 acres, irrigation season.				
SOURCE Groundwater			TRIBUTARY OF (IF SURFACE WATER)				
AT A POINT LOCATED: <u>Wells (Parcel Nos.)</u> 1 1367500000000000 2	$\frac{1}{4}$ SW SE	$\frac{1}{4}$ SW NW	<u>SECTION</u> 36	<u>TOWNSHIP N.</u> 7N	<u>RANGE EWM</u> 25EWM	<u>WRIA</u>	<u>COUNTY</u> Benton
LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS USED							
All within: Section 36, T.7N, R.25 EWM; and application site maps.							

Tentative determination of the water right:

See Water Board's Decision above; the water right certificate is in good standing.

Previous changes:

Water right Trust Program submittal in 2022.

History of water use:

Per the applicant information, portions of the water right certificate have been continuously used for irrigation. Some de factor relinquishment has occurred for non-use, not subject to RCW 90.14.140 exemptions. About 125.5 acres are not subject to relinquishment, per DNR and consultant, and Water Board review.

SEPA:

The Water Board has a narrow public interest, or SEPA, jurisdiction, tied to water resources management and water law, and specific provision per the groundwater code RCW 90.44.

The direct water right change/transfer described herein is subject to SEPA review, and an environmental impact statement has been prepared by the lead agency, the Washington State Energy Facility Site Evaluation Council (EFSEC). The Water Board has specifically reviewed the key water resources issues/questions pertinent to SEPA and water law in general: 1) is water available (extent and validity); 2) does potential impairment exist; 3) will the water be beneficially used; and 4) will the water be used efficiently? The Water Board determines the above can be answered in the affirmative, and no impairment issues exist. The water right extent and validity has been reviewed/modified for this C/T per RCW 90.03.380, where changes in purpose and place of use are subject to an annual consumptive quantity (ACQ) review.

The Water Board has requested directly from EFSEC staff to confirm whether their EIS adequately covers water source impacts associated with this project. The EFSEC staff have determined that the Final EIS did acknowledge (private) water rights from groundwater sources in the project area, to service the project.

The Water Board did consult with other governmental and Tribal parties affected by the proposed project.

The Benton and Yakima County Commissioners raised the question of comprehensive land use planning. Based on statutory/rule review, the Water Board (with legal counsel) concludes that EFSEC authority overrides local land use restrictions, in this particular case.

The Water Board directly consulted with Yakima Nation Tribal staff and their legal counsel. The Yakima Nation conveyed two major points: 1) the EIS coverage was not specific enough; and 2) the DNR lacked statutory authority to lease water rights for portions of the project's water demand purposes. Regarding the first point, the Water Board determined that the four key water right use questions above were met (including hydraulic continuity). The new C/T point of withdrawal was determined to be in the same body of groundwater for management purposes, per detailed discussion with Ecology staff.

The second point was reviewed with legal counsel, and determined that leasing a water right certificate (real property) was no different than leasing a tract of land (real property). Water right change/transfers also are subject to Real Estate Excise Tax (taxable water right actions) per WA State Dept. of Revenue review. The legality question regarding DNR lease of water rights on DNR and non-DNR adjacent lands does not appear to be a limiting issue in this C/T decision.

So, relative to the water supply/right issue governed by SEPA coverage, the Water Board defers to the decisions by the lead SEPA agency, the EFSEC. They have stated that appropriate SEPA compliance exists.

Family Farm Act Compliance:

The FFA affects the holding of (irrigation) water rights acquired after December 8, 1977. The Act does not affect the use of prior water rights held by a single party (RCW 90.66.020, 90.66.040; also see PCHB No.13-146, Reichman, February 14, 2014). The applicant's certificate has a pre-FFA date.

The Water Board concludes that the applicant's change/transfer request is consistent with the FFA.

COMMENT AND PROTESTS

Public notification/hearings for the applicant's request were filed in the Tri-City Herald; with public hearings offered (no requests for public hearings or participants). Copies are provided in the Public Notice attachments. The WADOE/Water Board did receive dissenting comments from the Benton-Yakima County Commissioners and the Yakama Nation and has responded to such (as noted above).

The County Commissions cited concerns over land use restrictions/zoning affecting irrigated agriculture. These concerns appear to be superseded by statutory/rule authority granted to EFSEC (discussed with Commission staffs). The Tribal concerns regarding water supply focus on source location and DNR water right leasing authority. The basic water right change/transfer (permitting tests) have been met, and the new POW is in direct hydraulic continuity with the existing POW, per review of the applicant's information and discussed with Ecology technical staff. The DNR's ability to lease certificated water use on partial DNR land does not deviate from a real estate lease, a practice already conducted by DNR.

The application materials have been distributed to several other state resources agencies (WDFW) and interested parties. No additional comments have been received from these parties concerning the application or proposed actions.

The application materials were made available to the public including public hearing notice; no hearing was requested—no comments or BCWCB meeting participants addressed the proposed action.

Issues Raised by WADOE:

The Water Board has provided the CRO-WRP-WADOE with the initial change/transfer application and public notice of the ROE/ROD. The BCWCB has previously discussed/reviewed this water right with CRO staff. No specific action comments were received during the application review process.

Protests:

Date: Comments and protests noted above from Benton-Yakima County Commissions and Yakama Nation.

This was recognized by the board as a ☒ Protest ☒ Comment

Name/address of protestor/commenter: See attachments.

Issue: Discussed above.

Board's analysis: Discussed above.

Other Items/Issues: None. *Pertinent Comments:* None.

INVESTIGATION

Prepared by Members of the Benton County Water Conservancy Board

The following information was obtained from site inspections (BCWCB representatives); and from general knowledge of this project by the Water Board, technical reports and documents, research of WADOE records, and discussions/information with the water right C/T applicant's technical representatives. Several discussions have been made with other agency/Tribal staff/consultants.

The applicant has provided technical information, personal communications, and technical references requested by the Water Board, including data to verify the existing and proposed use areas; and the applicant's technical representative has communicated extensively with individual Water Board members to answer specific questions about the change/transfer request. The Water Board has received supplemental information from the applicant, as needed.

The Water Board has reviewed the standing of the water right documentation provided by the water right holder concerning water management, and recent air-photography for the general water right place of use and purpose, and new POW site. The Water Board is familiar with the added POW site (Horse Heaven Hills area).

The Water Board has forwarded copies (regular ground mail) of the application change/transfer request and public notice to the state Dept. of Fish & Wildlife, the Tribes, and to all parties requesting such copies. No comments were received by these parties during the formal, and informal, public comment period for the change/transfer application.

Verification of Existing Water Right:

The existing water use retains an active water right certificate on file, granted by the Washington State Dept. of Ecology. The use is available for existing change/transfer actions. It is concluded that the water right is in good standing, subject to the conditions contained within this ROE/ROD.

The DNR did place into the Temporary Trust Program portions of the right that it apparently assumed reflected allowed consumptive use for change/transfer, about 409 acre-ft. DNR assumed the remaining portion of the right was subject to relinquishment review.

Proposed project plans and specifications:

The proposed change/transfer action supports the development of a new wind/solar farm along the Horse Heaven Hills (HHH) area. The project description is included in the EFSEC docket summary (application attachments), with perhaps as many as 244 to 150 wind turbines depending on size (see application location maps). The wind turbine range would generally follow the northern HHH ridge area, and perhaps cross about 72,428 acres (with transmission lines); the solar arrays and batteries would cover no more than 6,570 acres. The project at full development would generate about 1,150 MWs (nameplate). Peaking power capability would vary.

The project would be as close as 4 miles south/southwest from the Kennewick City limits.

The water use would be used for general industrial development at the site, dust control, solar array cleaning, and some irrigated agriculture.

Other Water Rights Appurtenant to the Property and Associated Rights:

There are surface water rights affecting the existing project area; no other water rights specifically attached to land or directly affected by the project (see applicant/consultant report attachment). This action would remove the existing water right placed into the Trust Program.

The existing groundwater pumps/infrastructure had been intended to serve the original water right certificate, and perhaps other rights (see application attachments), but the allocated gpm for this C/T decision is based on the actual pumping use for irrigated acres and not “pumps and pipes” status for other rights or relinquished portions of the certificate.

Effect or Benefit to Public Interest:

A Washington State Supreme Court ruling has stated that “...a ‘public interest’ test is not a proper consideration when Ecology acts on a change application under RCW 90.03.380.” PUD No. 1 of Pend Oreille County v. Dep’t of Ecology, 70372-8 (2002). By extension, neither does the Water Board have authority to apply a public interest test when evaluating a change in water right request under RCW 90.03.380. This Court decision involved a surface water right.

To the extent review of public interest is applicable, the Water Board finds that the application for change is consistent with groundwater code provisions (RCW 90.44), and public policy objectives of the state to: identify existing water supplies, provide for beneficial water use, avoid impairment issues, and provide for efficient use of water resources. The existing/future water use also is consistent with land use provisions as determined by EFSEC.

The Benton/Yakima County Commissions raised concerns regarding negative impacts to existing farmland.

Tentative Determination:

In order to make a water right change decision, the Water Board must make a tentative determination on the extent and validity of the right. The Water Board has made the tentative determination as displayed in the first section of this report. There are several circumstances that can cause the Board’s tentative determination to differ from the stated extent of the water right within water right documentation. Water right documents attempt to define a maximum limitation to a water right, rather than the actual extent to which a water right has been developed and maintained through historic beneficial use. Additionally, except for a sufficient cause pursuant to RCW 90.14.140, water rights, in whole or in part, not put to a beneficial use for five consecutive years since 1967 may be subject to relinquishment under Chapter 90.14.130 through 90.14.180 RCW. Some water rights may additionally be lost through abandonment; or some rights may be subject to special management area provisions. The Board’s tentative determination was based upon the following findings.

Water Right Review and History:

First, the water right applicant/owner holds a valid water right certificate, in good standing, as regulated by Ecology, and is on file with the WADOE. The Water Board/Ecology have approved previous change/transfer decisions in this general HHH area.

Water right use/need has been varied per the applicant’s demand estimates

Second, under the change request, the total amount of water withdrawal from the existing right and proposed change cannot exceed the amount previously used; more specifically, the portion of the right that has been put to actual beneficial use or is statutorily protected from relinquishment. The change/transfer request must not

exceed the existing water right limits; no enlargement of the right is allowed. The Water Board's determination conforms with this requirement.

Extent and Validity Analysis, ACQ Analysis and Beneficial Use Review:

The Water Board concurs with the DNR and their consultant that existing groundwater source irrigation activity on the site has diminished in past years, and about 125.5 acres would not be subject to nonuse (de facto relinquishment) per RCW 90.14.140 provisions (and Trusting Program donation). The 125.5 acres are the subject of the water right change request for a new point of withdrawal, change in location, and purposes of use, requiring an annual consumptive quantity (ACQ) analyses per RCW 90.03.380.

Data, Information, and Methodology:

1. The Water Board has reviewed the relevant water right data surrounding this change/transfer, including previous water use estimates, the applicant's land use data and leasing information, mapping, the consultant's ACQ analysis report, and arial photo information from Google Earth Pro.
2. The Water Board has multi-decadal experience in reviewing ACQ and extent and validity factors for water rights in Benton County and elsewhere.
3. The Water Board has reviewed the annual water use estimates provided by DNR for irrigated agriculture crops, consistent with RCW 90.03.380 requirements; and the water use application and efficiency estimates provided by AgWeatherNet at <https://weather.wsu.edu/?p=97750>, Horrigan weather station site (near existing project), and the Benton-Franklin Water Conservancy Boards' ACQ Methodology for calculating water use efficiencies and total consumptive use, including 90% applied efficiencies for low pressure center pivot applications (CSRIA.org). The total allowed water right use estimate for C/T is 502 acre-ft.
4. The Water Board has reviewed relinquishment (or de facto relinquishment factors) for this change/transfer action.
5. The Water Board has taken into account future water use estimates provided by the applicant and associated with similar types of construction-energy projects in the region.

ACQ Analysis/Determination:

6. The estimated allowed water use is based on 125.5 existing irrigated acres (Trust-pre-Trust period), per DNR and consultant estimates, and available arial imagery review (Gogle Earth Pro), for the most recent period of continuous use, 2017-2021 (see application attachments and supplemental information).
7. The 2017-2021 water use data confirm a two-year, peak-year average over five years, 2019-2020, of about 4 acre-ft./acre, for irrigating alfalfa. The AgWeatherNet data for the Horrigan Site and Water Conservancy Board efficiencies (CSRIA.org) are equal to or exceed the allowed use of the existing certificate (4 acre-ft./acre). The total allowed use for C/T is about 502 acre-ft.
8. This consumptive use estimate is consistent with the requirements of RCW 90.08.380, where only consumptive use estimates (not return flows) are available for change/transfer (ET and applied efficiencies) for water spreading type actions. The Water Board methodology has been applied to numerous C/Ts.
9. Under the first phase, 3-year period, 280.8 acre-ft. could be allocated to 70.2 irrigated acres. Additional allocations can be made for industrial construction use (184 acre-ft.) and industrial use with the project fully developed (12 acre-ft.). With the project fully developed, the total allowed irrigation use would be 490 acre-ft., for 122.5 acres; and industrial use of about 12 acre-ft.

10. The allowed gpm quantity (1,955 gpm) under the existing certificate for irrigation is about 7.5 gpm per acre (260.7 acres). If applied to 122.5 acres, the gpm estimate would be reduced to about 918.8 gpm, for continued irrigation. The applicant has further requested another 300 gpm for use during the construction phase (all industrial use) and 150 gpm after the construction phase.
11. As noted above, future use will be staged between the construction and completion periods, varying use given the size/timing of the project, but the final allowed use cannot exceed 502 acre-ft., for: 122.5 irrigated acres, 490 acre-ft., 918.8 gpm; and 12 acre-ft., 150 gpm, industrial use.
12. The Water Board notes that a small portion of the existing right (12 acre-ft.) will change from seasonal irrigation to year-round use. This level of change is viewed as imperceptible to the status/conditions of the groundwater source and will have no impairment complications.
13. Since 2022, the DNR has available surface water for their HHH irrigation projects. This water, under permit, could be used to irrigate the property previously served by the groundwater right—a form of serial perfection.

Tentative Determination Finding:

Based on the above information and analyses (and application attachments/references), the Water Board has determined that the full amount of the said water right for change/transfer is presented within the above “Board Decision” summary, and should be the amount not exceeded by the applicant for final certification, as issued by WADOE. This amount is in full consideration of and compliance with RCW 90.03.380 and 90.14.140(2)(d), and other portions of the water code, and takes into account the new point of withdrawal.

Hydrologic, and Other Technical Investigations:

The change/transfer relies on withdrawing water from the same body of groundwater (management area) as the existing points of withdrawal for this portion of the HHH area. Review of the pertinent well logs and analysis by the applicant’s technical consultant communications/report confirms this conclusion (see attached application report). The added POW also has been discussed with CRO-Ecology staff.

The Water Board has reviewed the hydraulic continuity/impairment features for the new well (see attached report); and concludes that active well use will not create any impairment observations.

Review of Potential Impairment:

Given the limited changes to the water rights, and existing POW, the Water Board determines that this change/transfer request will not create impairment (see attached reports). The Water Board makes this determination, with certainty, given the proposed operations at the new withdrawal site, and a detailed review of other factors affecting the change/transfer request. These factors have been discussed with the applicant’s technical consultant (see attached report).

Further, the Water Board notes:

- 1) For this immediate area, no record/affirmation of impairment has been noted by the Water Board or Ecology.
- 2) The Water Board has reviewed with the applicant, in detail, potential impairment issues for the applicant’s change request. This review indicates that the change action will not impair other water rights.

3) Based on the public notice of this change request, the Water Board has received no impairment issue comments from other existing water right holders, including those who withdraw/divert water from nearby sites.

4) The change will not increase water use relative to the existing allowed use, create impairment, or detrimental environmental impacts.

Given the above review, the Water Board concludes that the proposed action will not create impairment to other water rights and the conditions provided within this ROE/ROD.

Because the proposed action will not increase the existing allowed water use (with change modifications) or increase the water amount put to allowed beneficial use, or likely affect other existing water rights (or applications for new water rights), no impairment is perceptible. The applicant's technical information has been reviewed regarding water use within the same body of water for management purposes and potential impairment.

The proposed change/transfer will be beneficial in the conservation and management of water resources from existing practices for the following reasons: 1) there will be no increase in withdrawal/diversion on an annual basis after the change/transfer, compared to existing allowed operations; and 2) controls and monitoring on the quantity of water pumped will help ensure that the authorized quantity is not exceeded, as required under water use estimates and metering provisions.

The Water Board has published public notice of the proposed action and reviewed any potential technical issues concerning impairment.

Existing water rights located within the nearby area--within the same sections/T-R and adjacent sections--were noted according to information contained within the WADOE E-data base system and visual inspection, and ongoing Water Board review within this area (also see attached technical report).

Water Right Adjudication Process:

Water right adjudication does not affect the application.

DECISION CONCLUSIONS:

Tentative Determination-Extent and Validity:

1. The allowed right use is verified; the extent and validity, and ACQ, analysis has been reviewed by the Water Board. The right is being used consistently with Ecology authorization.
2. The proposed change/transfer will result in no increase in the annual quantity of water authorized and is consistent with the requirements of RCW 90.03.380 and 90.14.140 (relinquishment), and other provisions of the groundwater water code. The change/transfer request will not increase the allowed water right; the change/transfer will not increase allowed consumptive use from the designated source.
3. There will be no increase in water withdrawal on an annual basis. In addition, continued monitoring of the quantity of water pumped will help ensure that allowed water withdrawals are not exceeded, for the changes requested.

Relinquishment or Abandonment Concerns:

4. The Water Board's review per this ROE/ROD indicates relinquishment of about 138 acres due to non-use, per RCW 90.14.140.

Hydraulic Analysis:

5. Per the above cited information and attachments (technical reports), the Water Board concludes that the change/transfer will be implemented in the same body of water for management purposes.

Impairment:

6. The Water Board determines that impairment is not an issue affecting this change request; the change is within the same body of water for management purposes; the proposed action creates no impairments to other water right holders or permit applicants; adequate data and information exists to make this determination with confidence.

Consideration of Comments/Protests:

7. Public notice has been provided for the proposed action, and any public concerns have been reviewed by the Water Board. Public notice and application submittal have been forwarded to several state resource agencies/tribes/interested parties for comment; the agencies have provided direct comments to the application. The comments discussed above, indicate opposition to the project. These comments have been discussed with the parties and Ecology staff; nevertheless the Water Board concludes that the C/T is consistent with state water law and the SEPA practices adhered to by EFSEC.

SEPA and FFA Review:

8. The Water Board has reviewed the proposed project for SEPA (noted above) and FFA (non-FFA water right) compliance.

Public Interest:

9. Per EFSEC qualifications, the proposed action supports the public interest concerned with the direct use of water rights, is consistent with allowed beneficial uses, and is consistent with local area/regional economic development needs (farm support and construction features) and the land use practices reviewed by EFSEC. The Water Board also took into consideration any potential conflicts with environmental justice principles, strictly relative to water use and water law. Even so, the Water Board has noted that the County Commissions and the Yakama Nation may assert that the project conflicts with some aspects of the local public interest and environmental justice principles directly affecting Tribal values.
10. The proposed action is consistent with the intent of RCW 90.03.380, 90.14.140, 90.80, and recent case reviews by the Washington State Supreme Court.
11. The Water Board has provided for specific conditions and provisions affecting the use of the water rights, as identified below. The Water Board's decision is contained in the Water Board Decision table above.

PROVISIONS

Conditions and Limitations:

1. The point of diversion/withdrawal, place(s) of use, purpose of use, and period of use for the water right are designated in the summary table above (under Water Board Decision table).

2. Per issued superseding certificate, for the subject water right, water withdrawals shall not exceed the total instantaneous and volume use, periods of use, and site area designated above under Water Board Decision table.
3. Use of water under this authorization shall be contingent upon the water right holder's utilization of up-to-date water conservation practices.
4. An approved measuring device(s) must be installed and maintained for the sources (all points of withdrawal/diversion) identified herein in accordance with the rule "Requirements for Measuring and Reporting Water Use," WAC 173-173, describing the requirements for data accuracy, device installation and operation, and information reporting. It also allows a water user to petition Ecology for modifications to some of the requirements. Installation, operation and maintenance requirements are enclosed or available from Ecology as a document entitled "Water Measurement Device Installation and Operation Requirements."
5. Water use will be measured and recorded for water supply use. Water use data shall be recorded weekly and shall be submitted annually to Ecology by January 31st of each calendar year (along with WA State Dept. of Health metering requirements). At a minimum, the following information shall be included with each submittal of water use data: owner, contact name if different, mailing address, daytime phone number, WRIA, Permit or Certificate No., source name, annual quantity used including units, maximum rate of diversion including units, period of use, weekly meter readings including units, and peak flow including units for each month. In the future, Ecology may require additional parameters to be reported or more frequent reporting. Recorded water use data shall be submitted via internet. To set up an internet reporting account, contact the Central Regional Office. If you do not have internet access, you can still submit hard copies by contacting the Central Region Office for forms to submit your water use data.
6. All water wells constructed within the state shall meet the "minimum Standards for Construction and maintenance of wells, as provided under RCW 18.104 (Washington Water Well Construction Act of 1971) and Chapter 173-160 WAC Minimum Standards for Construction and Maintenance of Water Wells. Installation and maintenance of an access port as described in Groundwater Bulletin No.1 is required, per WAC 173-160-291(3). In general wells shall be located at least 100 feet from source contamination and at least 1,000 feet of the boundary of a solid waste landfill. Any well that is unusable, abandoned, or is an environmental, safety, or public hazard shall be decommissioned. In addition to the required access port, the applicant shall install and maintain, in operating condition, an airline And pressure gauge. The pressure gage shall be equipped with a standard tire valve and placed in a location accessible to Dept. of Ecology personnel. The airline shall extend from the land surface to the top of the pump bowls and the total airline length shall be reported to the Dept. of Ecology upon completion of the pumping system.
7. Ecology staff may require specific drilling parameters for the well; and will perform a site inspection for the new well when construction phase is completed.
8. Department of Ecology personnel, upon presentation of proper credentials and prior notification, shall have access at reasonable times, to project location, and to inspect at reasonable times, records of water use, wells, diversions, measuring devices and associated distribution systems for compliance with the law.

Mitigation:

9. None is required for the C/T water use.

Construction Schedule:

10. By January 1, 2028, the applicant will notify the Water Resources Program, Eastern Region Office, WADOE, that project construction is completed, unless further extended for good cause.
11. By January 1, 2030, proof of appropriation (for actual beneficial use of water) will be provided to the Water Resources Program, Eastern Region Office, WADOE, unless further extended for good cause.

DECISION APPROVALS

Approvals:

The conclusions in this Report of Examination were authored/developed by Water Board members and staff, with the applicant or applicant's representative providing support information as requested.

The undersigned Water Board Commissioner certifies that he/she understands the Board is responsible to ensure that all relevant issues identified during its evaluation of the application, or which are raised by any commenting party during the Board's evaluation process, are thoroughly evaluated and discussed in the Board's deliberations. The Report of Examination documents all factors reviewed and considered by the Water Board. The undersigned therefore, certifies that he/she, having reviewed the report of examination, knows and understands the content of this Report of Examination and concurs with the ROE's conclusions.

The Benton County Water Conservancy Board hereby APPROVES the water right change/transfer described within this record of examination and record of decision, and submits this certificate for conditional approval to the Director of the Washington State Department of Ecology. If the Director takes no action within forty-five days of receipt of this ROE/ROD, then the Water Board's decision, as written, is final.

Approved Unanimously by the BCWCB
Kennewick, Washington

This 12th day of July 2024

Approved and Signed on Behalf of the Water Board by:

Signed:

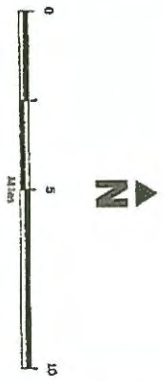
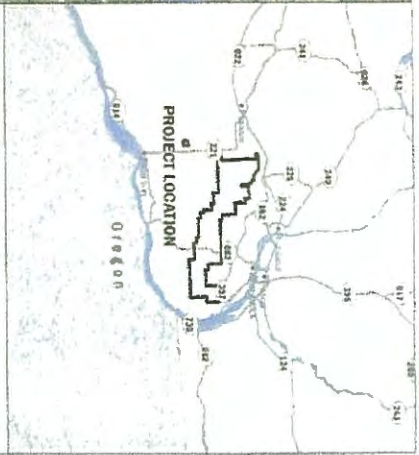
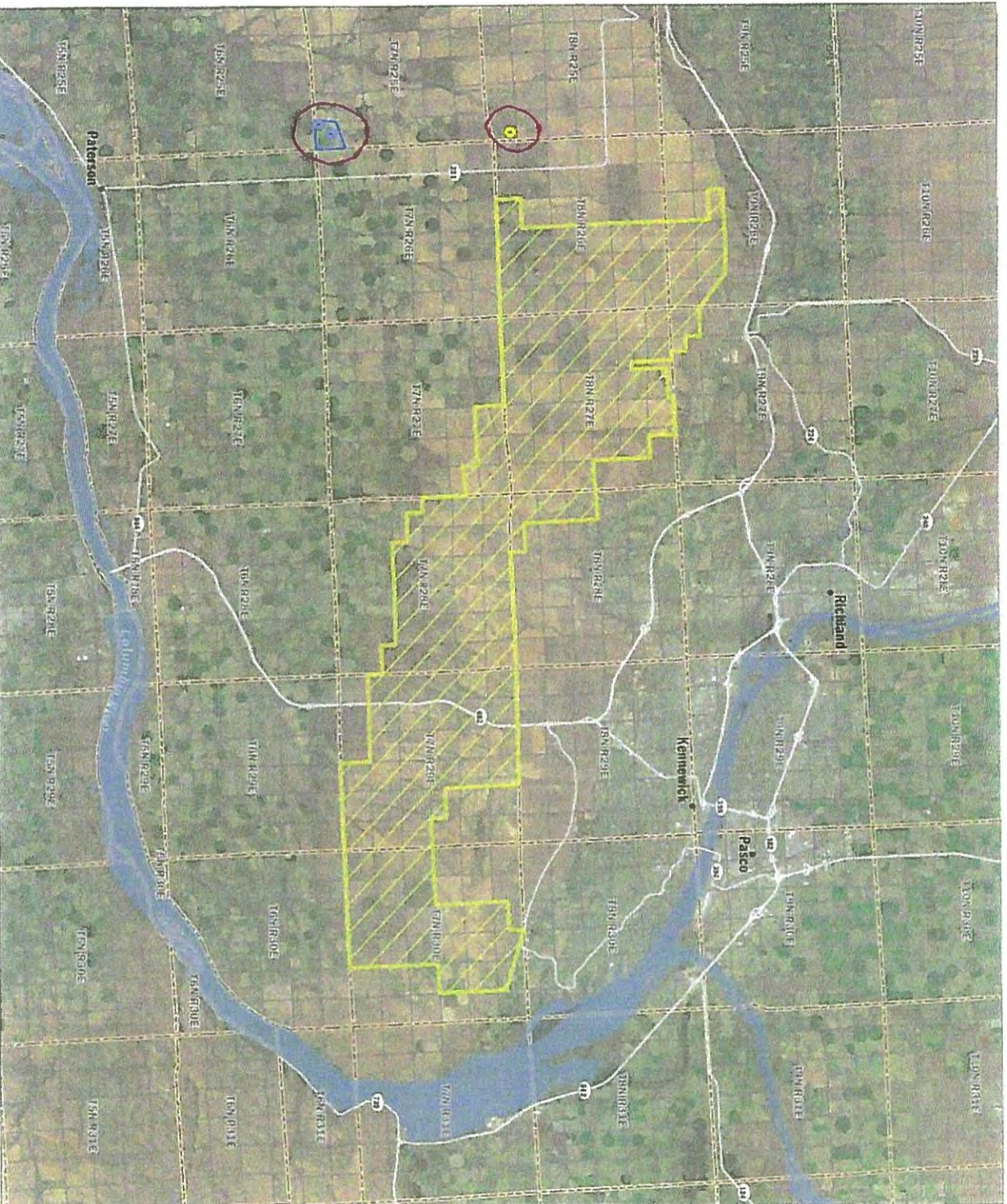








Darryll Olsen, Ph.D., Chairman
Benton County Water Conservancy Board
Date Mailed to WADOE Director/Representative: on or before July 29, 2024

Supplemental Attachments and Selected Application Materials*

- 1) General Site Map/Certificate
- 2) Legal Notices
- 3) Trust Water Right and ACQ Information
- 4) General Project Description

*Complete Application Materials Already Submitted to Ecology.



-  Authorized Point of Withdrawal
-  Proposed Point of Withdrawal
-  Authorized Place of Use
-  Proposed Place of Use
-  Township/Range
-  Section

Notes:
 - Features are approximate
 - Aerial image sourced from Google Earth Pro

Water Right Application Horse Heaven Wind Farm Richland, WA	
Aspect Date: MAY 2023 Time: 11:00 AM	Page: 1 of 1 Scale: 1:100,000 Projection: NAD 83 / UTM Zone: 12N

file

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

CERTIFICATE OF WATER RIGHT

- ☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- ☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
December 26, 1973	G3-22306	G3-22306P	G3-22306C

NAME

STATE OF WASHINGTON - DEPARTMENT OF NATURAL RESOURCES

ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
201 John A. Cherberg Bldg. OW-21	Olympia	Washington	98504

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown, but is limited to an amount actually beneficially used.

PUBLIC WATER TO BE APPROPRIATED

SOURCE

2 wells

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-Feet PER YEAR
	1955	1043

QUANTITY, TYPE OF USE, PERIOD OF USE

1043 acre-feet per year for the irrigation of 260.7 acres during irrigation season.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL

No. 1 600 feet east and 150 feet north from the southwest corner of Section 36.

No. 2 500 feet west and 990 feet north from the center of Section 36.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE (E. OR W.) W.M.	W.R.T.A.	COUNTY
#1: S1-S18-S18 #2: E25-E25	36	7	25 E.	31	Benton

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
-----	-------	------------------------------------

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

All of Section 36, T. 7 N., R. 25 E.W.M.

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in RCW 90.03.380, 90.03.390, and 90.44.020.

This certificate of water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at Yakima Washington, this 29th day
of December, 1988.

Department of Ecology

ENGINEERING DATA

OK *[Signature]*

HP:vaw

by *[Signature]*
DOUG CLAUSING, SECTION SUPERVISOR

FOR COUNTY USE ONLY



The Beaufort Gazette
The Belleville News-Democrat
Bellingham Herald
Centre Daily Times
Sun Herald
Idaho Statesman
Bradenton Herald
The Charlotte Observer
The State
Ledger-Enquirer

Durham | The Herald-Sun
Fort Worth Star-Telegram
The Fresno Bee
The Island Packet
The Kansas City Star
Lexington Herald-Leader
The Telegraph - Macon
Merced Sun-Star
Miami Herald
El Nuevo Herald

The Modesto Bee
The Sun News - Myrtle Beach
Raleigh News & Observer
Rock Hill | The Herald
The Sacramento Bee
San Luis Obispo Tribune
Tacoma | The News Tribune
Tri-City Herald
The Wichita Eagle
The Olympian

AFFIDAVIT OF PUBLICATION

Account #	Order Number	Identification	Order PO	Amount	Cols	Depth
32793	518753	Print Legal Ad-IPL01589520 - IPL0158952	Public Hearing	\$567.65	2	56 L

Attention: Darrel Olsen

BENTON COUNTY WATER CONSERVANCY BOARD
3030 W CLEARWATER AVE
SUITE 205-A
KENNEWICK, WA 99336
dolsenecon@aol.com

BENTON COUNTY WATER CONSERVANCY BOARD WATER RIGHT CHANGE/TRANSFER

Public Notice is hereby given that the BCWCB is reviewing (accepted) applications for water right change/transfers, for water rights listed below. The application(s) have been reviewed by the Board for acceptance, per additional technical information received from the applicant. The next BCWCB business meeting is on March 7, 2024, at 4:00 p.m., at the office of Pacific NW Project, 3030 W. Clearwater, Ste 205-A, Kennewick, WA (509-783-1623). A public hearing is offered upon request, for the application below; and interested parties may request to join the BCWCB meetings by requesting a telephonic call-in number, meeting code.

Application Amended by: Horse Heaven Hills Wind Farm, LLC, 5775 Flatiron Parkway, Suite 120, Boulder, Colorado, 80301 (%Dave Kobus, dave@scoutenergy.com). Water Right held by WA State Dept. of Natural Resources, MS 47000, Olympia, WA 98504. Change to G3-22306CWRIS, BENT-24-01, priority date of December 26, 1973; authorizing 1,955 gpm, 1,043 acre-ft., for irrigation of 260.7 acres, irrigation season; the existing points of withdrawal all within No.1 SW1/4 of SW1/4, No.2 SE1/4 of NW1/4, all within Section 36, T.7N, R.25 EWM; and the existing place of use is all within Section 36, T.7N, R.25 EWM. Proposed change is for up to 1,955 gpm, 1,031 acre-ft., 260.7 irrigated acres (seasonal irrigation); temporary (3-years) industrial-construction-dust control use, non-additive 450 gpm, 184 acre-ft., year-round use; non-additive industrial use, 450 gpm, 12 acre-ft., year-round use. All uses will not exceed authorized or ACO estimates, with phased development schedule for temporary vs long-term use.

Proposed point of withdrawal all within NW1/4 of NE1/4, Section 36, T.8N, R.25 EWM. Proposed place of use covers multiple sections all or portions within T.9N, R.26 EWM and T.9N, R.27 EWM and T.8N, R.25 EWM and T.8N, R. 26 EWM and T.8N, R.27 EWM and T.7N, R.26 EWM and T.7N, R.27 EWM and T.8N, R.28 EWM and T.7N, R.28 EWM and T.7N, R.29 EWM and T.7N, R.30 EWM and T.6N, R.30 EWM and T.6N, R.31 EWM. NOTE: the detailed site location map/table for all sections and parcels is available upon request from the BCWCB, 509-783-1623.

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Under WADOE Rule WAC 173-153 and other agency regulations, any protests or objections to the approval of this application may be filed with the Department of Ecology and must include a detailed statement of the basis for objections; protests must be accompanied by a fifty dollar (\$50) recording fee and filed with the Cashiering Section, State of Washington, Department of Ecology, P.O. Box 47611, Olympia, WA 98504-7611 within thirty (30) days from the date of publication. Any interested party may submit comments, objections, and other information to the BCWCB regarding this application, per the above address. The comments and information may be submitted in writing, or verbally at any public meeting of the BCWCB; BCWCB, 3030 W. Clearwater, Ste. 205-A, Kennewick, WA 99336, 509-783-1623. Comments should include: name, address, and phone number of commenting party; identification of the change/transfer receiving comments; and detailed information or documentation to substantiate facts presented within the comments.
IPL0158952
Feb 11, 18 2024

COUNTY OF BENTON)

SS

STATE OF WASHINGTON)

Stefani Beard, being duly sworn, deposes and says, I am the Legals Clerk of The Tri-City Herald, a daily newspaper. That said newspaper is a local newspaper and has been approved as a legal newspaper by order of the superior court in the county in which it is published and it is now and has been for more than six months prior to the date of the publications hereinafter referred to, published continually as a daily newspaper in Benton County, Washington. That the attached is a true copy as it was printed in the regular and entire issue of the Tri-City Herald and not in a supplement thereof, ran 2 time (s) commencing on 02/11/2024, and ending on 02/18/2024 and that said newspaper was regularly distributed to its subscribers during all of this period.

2 insertion(s) published on:

02/11/24, 02/18/24

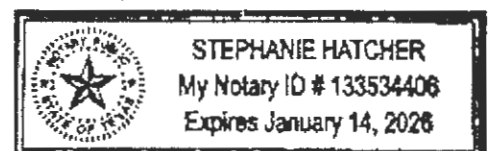
Stefani Beard

(Signature of Legals Clerk)

Sworn to and subscribed before me this 21th day
of February in the year of 2024

Stephanie Hatcher

Notary Public in and for the state of Texas, residing in
Dallas County



Extra charge for lost or duplicate affidavits.
Legal document please do not destroy!



The Beaufort Gazette
The Belleville News-Democrat
Bellingham Herald
Centre Daily Times
Sun Herald
Idaho Statesman
Bradenton Herald
The Charlotte Observer
The State
Ledger-Enquirer

Durham | The Herald-Sun
Fort Worth Star-Telegram
The Fresno Bee
The Island Packet
The Kansas City Star
Lexington Herald-Leader
The Telegraph - Macon
Merced Sun-Star
Miami Herald
El Nuevo Herald

The Modesto Bee
The Sun News - Myrtle Beach
Raleigh News & Observer
Rock Hill | The Herald
The Sacramento Bee
San Luis Obispo Tribune
Tacoma | The News Tribune
Tri-City Herald
The Wichita Eagle
The Olympian

AFFIDAVIT OF PUBLICATION

Account #	Order Number	Identification	Order PO	Amount	Cols	Depth
32793	511432	Print Legal Ad-IPL01561480 - IPL0156148		\$548.31	2	54 L

Attention: Darrel Olsen

BENTON COUNTY WATER CONSERVANCY BOARD
3030 W CLEARWATER AVE
SUITE 205-A
KENNEWICK, WA 99336
dolsenecon@aol.com

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Public Notice is hereby given that the BCWCB is reviewing (accepted) applications for water right change/transfers, for water rights listed below. The application(s) have been reviewed by the Board for acceptance, per additional technical information received from the applicant. The next BCWCB business meeting is on January 31, 2024, at 4:00 p.m., at the office of Pacific NW Project, 3030 W. Clearwater, Ste 205-A, Kennewick, WA (509-783-1623). A public hearing is offered upon request, for the application below; and interested parties may request to join the BCWCB meetings by requesting a telephonic call-in number, meeting code.

Application submitted by: Horse Heaven Hills Wind Farm, LLC, 5775 Flatiron Parkway, Suite 120, Boulder, Colorado, 80301 (%Dave Kobus, dave@scoutenergy.com). Water Right held by WA State Dept. of Natural Resources, MS 47000, Olympia, WA 98504. Change to G3-+22306CWRIS, BENT-24-01, priority

date of December 26, 1973; authorizing 1,955 gpm, 1,043 acre-ft., for irrigation of 260.7 acres, irrigation season; the existing points of withdrawal all within No.1 SW1/4 of SW1/4, No.2 SE1/4 of NW1/4, all within Section 36, T.7N, R.25 EWM; and the existing place of use is all within Section 36, T.7N, R.25 EWM. Proposed change is for up to 1,805 gpm, 1,031 acre-ft., 260.7 irrigated acres (seasonal irrigation); temporary (3-years) industrial-construction-dust control use, 150 gpm, 184 acre-ft., year-round use; Industrial use, 150 gpm, 12 acre-ft., year-round use. All uses will not exceed authorized or ACQ estimates, with phased development schedule for temporary vs long-term use.

Proposed point of withdrawal all within NW1/4 of NE1/4, Section 36, T.8N, R.25 EWM. Proposed place of use covers multiple sections all or portions within T.8N, R. 26 EWM and T.8N, R.27 EWM and T.7N, R.27 EWM and T.8N, R.28 EWM and T.7N, R.28 EWM and T.7N, R.29 EWM and T.7N, R.30 EWM. NOTE: the detailed site location map/table for all sections and parcels is available upon request from the BCWCB, 509-783-1623.

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Under WADOE Rule WAC 173-153 and other agency regulations, any protests or objections to the approval of this application may be filed with the Department of Ecology and must include a detailed statement of the basis for objections; protests must be accompanied by a fifty dollar (\$50) recording fee and filed with the Cashiering Section, State of Washington, Department of Ecology, P.O. Box 47611, Olympia, WA 98504-7611 within thirty (30) days from the date of publication. Any interested party may submit comments, objections, and other information to the BCWCB regarding this application, per the above address. The comments and information may be submitted in writing, or verbally at any public meeting of the BCWCB: BCWCB, 3030 W. Clearwater, Ste. 205-A, Kennewick, WA 99336, 509-783-1623. Comments should include: name, address, and phone number of commenting party; identification of the change/transfer receiving comments; and detailed information or documentation to substantiate facts presented within the comments.

IPL0156148
Jan 21, 28 2024

COUNTY OF BENTON)

SS

STATE OF WASHINGTON)

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2 insertion(s) published on:

01/21/24, 01/28/24

Stefani Beard

(Signature of Legals Clerk)

Sworn to and subscribed before me this 31st day of January in the year of 2024

Stephanie Hatcher

Notary Public in and for the state of Texas, residing in Dallas County



STEPHANIE HATCHER
My Notary ID # 133534406
Expires January 14, 2026

Extra charge for lost or duplicate affidavits.
Legal document please do not destroy!

THANK YOU for your legal submission!

Your legal has been submitted for publication. Below is a confirmation of your legal placement. You will also receive an email confirmation.

ORDER DETAILS**Order Number:**

IPL0158952

Order Status:

Submitted

Classification:

Legals & Public Notices

Package:

TRI - Legal Ads

Final Cost:

\$567.65

Payment Type:

Account Billed

User ID:

IPL0023488

ACCOUNT INFORMATION

BENTON COUNTY WATER CONSERVANCY BOARD
IP

3030 W CLEARWATER AVE SUITE 205-A

KENNEWICK, WA 99336

509-783-1623

dolsenecon@aol.com

BENTON COUNTY WATER CONSERVANCY BOARD

TRANSACTION REPORT**Date**

February 7, 2024 12:57:49 PM EST

Amount:

\$567.65

SCHEDULE FOR AD NUMBER IPL01589520

February 11, 2024

Tri-City Herald Print

February 18, 2024

Tri-City Herald Print

PREVIEW FOR AD NUMBER IPL01589520**BENTON COUNTY WATER CONSERVANCY BOARD
WATER RIGHT CHANGE/TRANSFER**

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W00000000

Publication Dates

[<< Click here to print a printer friendly version >>](#)

2/5/2024

For Publication and Distribution

**BENTON COUNTY WATER CONSERVANCY BOARD
WATER RIGHT CHANGE/TRANSFER**

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Note to publisher: Publish 2 times, once each week, for two weeks.

7/12/24, 10:54 AM

Subject: **RE: Benton Board changes**
Date: 7/12/2024 10:54:33 AM Pacific Daylight Time
From: Dan.Haller@aspectconsulting.com
To: dolsenecon@aol.com

Record/Document Number	CG3-22306C	Phase	Trust Water Temporary Donation	Priorit
Application Number		Stage	Donation Accepted	WRIA
Permit Number		Status	Active	Count
Certificate Number	G3+ 22306 C	WR Class	Groundwater	Regioi
Consrv Bd Number				
WR Doc ID	6805136			

Persons or Organizations

[Click to Show Contacts](#)

Last or Organization Name	First Name	MI	Role	Address
WA DNR			Primary	713 E Bowers Rd, Ellensburg WA

Phase Quantities

Phase	Qi	Units	Qa	Irr Acres
Trust Water Temporary Donation	1955	GPM	409	260.7

Assignment Groups

Assignment Group
TW Acquisition - Temporary Don

Provisions

No provis

Purposes of Use

Basic Information Additional Information

Purpose	From	To	Qi	Units	Use Type	Qa	
Groundwater Preservation			1955	GPM	Primary	409	Prim

Sources

Basic Information Additional Information Latitude/Longitude Information

Device Type	Source Name	Common Name	Tributary To	WRIA	County
Well	Groundwater	WELL		31	Benton
Well	Groundwater	WELL		31	Benton

Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607
Aspect Consulting (A Geosyntec Company) | 1106 N 35th Ave, Yakima, WA 98902 | [aspectconsulting.com](#) , [geosyntec.com](#)

This email is intended solely for the addressee(s) and may contain confidential or legally privileged information. If you are not the intended recipient, please immediately alert the sender by reply email and delete this message and any attachments without storing, copying, distributing, or using the contents.

From: Dan Haller
Sent: Friday, July 12, 2024 10:53 AM
To: 'dolsenecon@aol.com' <dolsenecon@aol.com>
Subject: RE: Benton Board changes



**DEPARTMENT OF
NATURAL RESOURCES**

SOUTHEAST REGION
713 BOWERS ROAD
ELLENSBURG, WA 98926

509-925-8510
TRS 711
SOUTHEAST.REGION@DNR.WA.GOV
WWW.DNR.WA.GOV

Department of Ecology
Central Region
1250 W Alder St
Union Gap, WA 98903-0009

Subject: Trust Water Right Donation for G3-+22306CWRIS

Dear Department of Ecology:

The Washington State Department of Natural Resources (DNR) would like to temporarily donate the full amount of water right G3-+22306CWRIS for instream flow purposes. The place of use starting in 2022 is now irrigated with surface water right S4-25639(A). We request the temporary donation for 10 years while strategies are developed to move this water right to other DNR lands. Please find the donation form attached.

For any additional information or questions, please contact Christina Frantz at 509-899-7932 or christina.frantz@dnr.wa.gov.

Thank you for your consideration.

Sincerely,

Christina Frantz

Christina Frantz
Product Sales and Leasing Division
Washington State Department of Natural Resources

Enclosures (2)

C: Kari Fagermess, Assistant Division Manager
File: 78-000628



WATER RESOURCES PROGRAM

Temporary Donation to the Trust Water Rights Program

Water Right Information

WATER RIGHT CERTIFICATE OR CLAIM NUMBER G3-+22306CWRIS		NAME(S) ON WATER RIGHT OR CLAIM State of Washington Department of Natural Resources	
WATER RIGHT OWNER OR LEGAL REPRESENTATIVE Washington Department of Natural Resources		PHONE NO. 509-899-7932	ALT PHONE NO.
ADDRESS 713 Bowers Rd			
CITY Ellensburg		STATE WA	ZIP CODE 98926
EMAIL ADDRESS christina.frantz@dnr.wa.gov			
CONTACT (if different than owner)			
PHONE NO.		EMAIL ADDRESS	

Temporary Donation Agreement

The water right owner or legal representative ("Donor") agrees to temporarily donate water quantities ("donated quantities") associated with the water right identified above, to the Washington Department of Ecology (Ecology) to be held in the Trust Water Rights Program.

Donated Quantities

All ☒ or a portion ☐ of the Water Right Certificate or Claim to be temporarily donated

Instantaneous Quantity: cfs OR **1955** gpm

Annual Volume: **409** acre-feet per year

Description of how water will be made available for temporary donation (e.g., non-use, change in use practices): **non-use**

The Donor attests that the donated quantities have been diverted or withdrawn and put to beneficial use. The Donor attests that the donated quantities, in addition to any portion of the water right retained for use, do not exceed the Donor's highest use within the last five years, unless:

- A qualifying [exemption to relinquishment](#) applies in the last five years, and the Donor attests that the donated quantities and any retained use do not exceed the highest use in the five years preceding the qualifying exemption (RCW 90.14.140(1)); OR
- The right or claim is for municipal or hydropower purposes, and the Donor attests that the donated quantities and any retained use do not exceed historical beneficial use ([RCW 90.14.140\(2\)\(a\) or \(d\)](#)).

Location

The Donor owns or represents the following parcels that are associated with the donated quantities:

QTR QTR	QTR	SEC	TWP	RGE	COUNTY	PARCEL No(s).
		36	7N	25E	Benton	13675000000000
LEGAL DESCRIPTION: All of Section 36, T07N, R25E						

Duration of Temporary Donation

The Donor agrees not to divert or withdraw the donated quantities until the term expires. The temporary donation term will begin on the day Ecology's acceptance email is sent to the Donor, and expires on the date provided below. When the temporary donation expires, the donated quantities revert back to the Donor.

End Date

3/1/2033

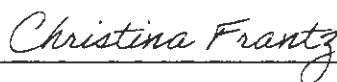
Terms and Conditions

- The donated quantities are not subject to relinquishment while accepted in the Trust Water Rights Program.
- Ecology's acceptance of the temporarily donated quantities is not a validation or quantification of the water right. Any relinquishment or non-use of the water right that may have occurred prior to this temporary donation cannot be reversed, or addressed in any way through this Agreement.
- During the term of this temporary donation, the donated quantities will be used to support instream flows and groundwater preservation only; they cannot be used to mitigate other water uses.
- The Donor agrees to provide proof of beneficial use prior to the donation if requested by Ecology (RCW 90.42.080).
- If the Donor sells or leases the water right or portion of the right that has been temporarily donated, the donor must notify the buyer or lessor of the temporary donation.
- This Agreement will be considered fully executed, and the temporary donation considered accepted into the Trust Water Rights Program, only if the Donor receives confirmation of Ecology's acceptance by email or letter.

Signatures

I, the Donor, agree to the terms and conditions herein and certify that the information above is true and accurate to the best of my knowledge. I understand that all responsibility for the accuracy of the information rests with me.

Christina Frantz Water Resource Program Manager



03/23/2023

Donor Printed Name – Title

Donor Signature

Date (MM/DD/YYYY)

Send your completed form to Ecology

Attach a scanned copy of the completed and signed agreement form in an email and send it to the regional office where your water right is located (see email addresses below). We strongly encourage paperless processing, but if you do not have access to email, mail the form to the appropriate regional office below.

Office Locations and Contact Information

Region/ Office	Counties served	Mailing Address	Phone
Central	Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima	wrCRO@ecy.wa.gov 1250 W Alder St Union Gap, WA 98903-0009	509-575-2490
Office of Columbia River	OCR has jurisdiction for designated OCR projects, and new projects located within one mile of the Columbia River.	wrCRO@ecy.wa.gov 1250 W Alder St Union Gap, WA 98903-0009	509-457-7141
Eastern	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman	wrERO@ecy.wa.gov 4601 N Monroe Spokane, WA 99205-1265	509-329-3400
Northwest	Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom	wrNWRO@ecy.wa.gov PO Box 330316 Shoreline, WA 98133-9716	206-594-0000
Southwest	Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Thurston, Skamania, Wahkiakum	wrSWRO@ecy.wa.gov PO Box 47775 Olympia, WA 98504-7775	360-407-6300



Sawyer, Nisa (ECY)

From: DeJesus, Anthony (ECY)
Sent: Monday, March 27, 2023 8:08 AM
To: Tyler, RYanne (DNR); ECY RE WR CRO
Cc: Frantz, Christina (DNR); Sawyer, Nisa (ECY); Monter, Nikole (ECY)
Subject: RE: Temporary Donation to the Trust Water Rights Program G3-+22306CWRIS
Attachments: G3-+22306CWRIS cover letter_Signed.pdf; G3-+22306CWRIS Trust Donation_Signed.pdf

Good Morning RYanne,

Thank you for submitting your Trust Water Rights application. Once our intake process is complete, and your application is entered into the Water Rights Tracking System, I will be able to process your donation.

Respectfully,

Anthony DeJesus (he/him)

Trust Water Coordinator
Central Regional Office
Water Resource Program
Washington Department of Ecology
(509) 406-4873

From: Tyler, RYanne (DNR) <RYanne.Tyler@dnr.wa.gov>
Sent: Friday, March 24, 2023 9:41 AM
To: ECY RE WR CRO <wrcro@ECY.WA.GOV>
Cc: Frantz, Christina (DNR) <Christina.Frantz@dnr.wa.gov>
Subject: Temporary Donation to the Trust Water Rights Program G3-+22306CWRIS

Good morning,

Please see attached cover letter and trust donation.

Thank you,

RYanne

RYanne Tyler
Water Rights Specialist
Division of Product Sales and Leasing
Washington State Department of Natural Resources
Cell: (509) 899-6688
RYanne.Tyler@dnr.wa.gov

Sawyer, Nisa (ECY)

From: DeJesus, Anthony (ECY)
Sent: Monday, March 27, 2023 8:08 AM
To: Tyler, Ryanne (DNR); ECY RE WR CRO
Cc: Frantz, Christina (DNR); Sawyer, Nisa (ECY); Monter, Nikole (ECY)
Subject: RE: Temporary Donation to the Trust Water Rights Program G3-+22306CWRIS
Attachments: G3-+22306CWRIS cover letter_Signed.pdf; G3-+22306CWRIS Trust Donation_Signed.pdf

Good Morning Ryanne,

Thank you for submitting your Trust Water Rights application. Once our intake process is complete, and your application is entered into the Water Rights Tracking System, I will be able to process your donation.

Respectfully,

Anthony DeJesus (he/him)

Trust Water Coordinator
Central Regional Office
Water Resource Program
Washington Department of Ecology
(509) 406-4873

Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607
Aspect Consulting (A Geosyntec Company) | 1106 N 35th Ave, Yakima, WA 98902 | aspectconsulting.com , geosyntec.com

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From: Dan Haller
Sent: Friday, July 12, 2024 10:43 AM
To: dolsenecon@aol.com
Subject: RE: Benton Board changes

See section 6.3

Hi Dan,

Per your request, please see attached documentation of water usage. I cannot seem to find the 2021 Crop Report, however it was irrigated in 2021 with the ground water right G3-22306

year	Crop (Ex: corn, cherries, alfalfa)	Cover
2020	HAY ALFALFA	No
2019	HAY ALFALFA	No
2018	I GRASS SEED	No
2017	I CORN SWEET	No
2016	I CORN SWEET	No
2016	Hay Timothy	No
2015	Hay Timothy	No
2014	Corn Sweet	No
2013	Corn Sweet	No

If you need anything else please let me know.

Christina Frantz

Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607
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From: dolsenecon@aol.com <dolsenecon@aol.com>
Sent: Tuesday, June 11, 2024 11:31 AM
To: Dan Haller <Dan.Haller@aspectconsulting.com>
Subject: Re: Benton Board changes

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7/12/24, 10:54 AM

Dan,

Left you a voice mail...

D.O.
BCWCB
509-783-1623

In a message dated 6/10/2024 6:57:01 AM Pacific Daylight Time, Dan.Haller@aspectconsulting.com writes:

Good morning Darryll,

Scout wanted me to check in on the status of their ROE. Please let me know if anything has come up during the ROE drafting. Otherwise, is their a likely Board meeting when this will be decided?

And on Port of Kennewick, I assume the next step there is the site visit. There are 3 properties / sites involved, so once the Board decides on its availability, the Port folks can advise the others to make sure you have access. Thanks, Dan

Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607

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Attachments: G3--22306CWRIS cover letter_Signed.pdf; G3--22306CWRIS Trust Donation_Signed.pdf

Good Morning Ryanne,

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Respectfully,

Anthony DeJesus (he/him)

Trust Water Coordinator
Central Regional Office
Water Resource Program
Washington Department of Ecology
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Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607
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2018	I GRASS SEED	No
2017	I CORN SWEET	No
2016	I CORN SWEET	No
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If you need anything else please let me know.

Christina Frantz

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7/12/24, 10:47 AM

Subject: RE: Benton Board changes
Date: 7/12/2024 10:42:37 AM Pacific Daylight Time
From: Dan.Haller@aspectconsulting.com
To: dolsenecon@aol.com

See section 6.3

ACQ Information

Hi Dan,

Per your request, please see attached documentation of water usage. I cannot seem to find the 2021 Crop Report, however it was irrigated in 2021 with the ground water right G3-2230E

year	Crop (Ex: corn, cherries, alfalfa)	Cover
2020	HAY ALFALFA	No
2019	HAY ALFALFA	No
2018	I GRASS SEED	No
2017	I CORN SWEET	No
2016	I CORN SWEET	No
2016	Hay Timothy	No
2015	Hay Timothy	No
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If you need anything else please let me know.

Christina Frantz

Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607
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And on Port of Kennewick, I assume the next step there is the site visit. There are 3 properties / sites involved, so once the Board decides on its availability, the Port folks can advise the others to make sure you have access. Thanks, Dan

Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607
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Ecology routinely relies on the Washington Irrigation Guide (WIG) to provide estimates of evapotranspiration (ET) by different crops. ET can be translated to total water use per acre (water duty), by dividing ET by irrigation efficiency. Irrigation efficiency differs according to the type of irrigation system (e.g., wheel line, solid-set, center-pivot), and Ecology has adopted a guidance document (GUID 1210) with efficiency estimates.

Based on the WIG, GUID 1210, and reported crop types (see Appendix H for DNR crop reports from lessee), Table 8.9.2 below summarizes crop water duty information for the crops recently reported irrigated by DNR's lessee. Irrigated Agricultural Lease Reports provided by DNR indicate the crops type historically irrigated are alfalfa, corn, and grass seed. The Prosser, Washington WIG station was selected to represent the crop irrigation requirement in the vicinity of the water right place of use.

Table 8.9.2 Water Use Crop Irrigation Requirement

Crop	Crop Irrigation Requirement (ET) (inches)	Efficiency Range ¹	Total Irrigation Requirement (Water Duty) (ac-ft/acre)
Alfalfa	35.31	70% - 90%	4.20 – 3.27 ✓
Corn	28.14	70% - 90%	3.35 – 2.61
Pasture/Turf	37.29	70% - 90%	4.44 – 3.45

¹ Based on Ecology GUID 1210, center pivot irrigation systems have an application efficiency range of 70 – 90%.

For comparison, the authorized water duty from the Certificate is 4.0 ac-ft/acre (1,043 ac-ft/yr / 260.7 acres). We understand the lessee typically irrigated with spray heads and an end-gun. We selected an overall efficiency of 85% and a %Evap of 10%, for an overall %CU of 95%. This suggests that DNR historically fully utilized the authorized water duty of 4.0 ac-ft/acre when alfalfa and pasture/turf crops were grown under the subject water right, but under more modern center-pivot delivery the water duty is approximately 3.5 ac-ft/acre. Water use in the years when corn was grown may result in slightly less water consumption than the authorized water duty. However, corn is a routine crop rotation and temporarily reduced use from crop rotation is exempt from relinquishment.

Based on the irrigation of 125.5 acres and a water duty of 3.5 ac-ft/acre, annual total water use is calculated to be 439.3 ac-ft/yr.

8.10 Provide aerial photos, remotely sensed images, or other information and explain how they support the historic use.

Based on review of historical imagery, irrigation has remained consistent within the authorized place of use since 1996. The dated aerial photos are contained within Attachment E.

Water Used for Irrigation

8.11 If changing the purpose of use, refer to the Provisions section of your water right document to determine whether the right is subject to the Family Farm Water Act. If so, contact the appropriate Ecology regional office prior to completing this form (refer to map on page 1).

N/A.

8.12 Describe your irrigation scheduling practices (e.g., frequency and duration of irrigation sets). Describe how data from soil moisture probes, weather forecasts, crop inspection, or other irrigation scheduling techniques were used to determine irrigation practices.

Water is applied to the crops via center-pivot irrigation system. Additional information on the irrigation scheduling practices will be documented in the ROE.

8.13 If adding the irrigation of additional acres or a new purpose of use, provide metering data for the most recent five-year period of continuous use. If metering data are unavailable, provide an estimate of water use for the most recent five-year period of continuous use and describe the methodology for this estimate.

Ecology interprets the "addition of new uses" under RCW 90.03.380(1) to mean the addition of a previously unauthorized purpose(s) of use, while retaining an existing purpose of use. In accordance with the added use requested in the application, it is required to determine that the annual consumptive quantity (ACQ) under the water right for change will be no greater after the change. The ACQ is defined in statute as the average consumptive use of the highest 2 years over the most recent 5 years of continuous beneficial use.

The appropriate time period of analysis is the 5-year period from 2018 to 2022 (since water was donated to trust in 2023), with the highest two years believed to be consistent with the certificate water duty (2019 and 2020).

Table 8.13.1 Water Use for Two Highest Years

Year	Crops Grown	Acres	Water Duty (ac-ft/acre)	Annual Volume by Year (ac-ft/yr)
2019	Alfalfa	125.5	3.5	439.3
2020	Alfalfa	125.5	3.5	439.3

The ACQ was estimated based on the following assumptions:

- Irrigation of 125.5 acres of alfalfa;
- Certificated water duty of 3.5 ac-ft/acre; and
- Average consumptive percentage of 95% (from GUID 1210 for center-pivots)

Calculations for the consumptive water use are summarized below:

$$\%CU \text{ (per Guidance 1210)} = 95\%$$

$$CU = TIR \times \%CU ; 439.3 \text{ ac-ft/yr} \times 95\% = 417.3 \text{ ac-ft/yr}$$

$$CU/acre = \frac{417.3 \text{ ac-ft}}{125.5 \text{ acres}} = 3.325 \text{ ft/acre}$$

$$\text{Non-Consumptive Use} = TIR - CU ; 439.3 - 417.3 = 22 \text{ ac-ft}$$

During the 3-year construction period when the energy project needs 184 ac-ft (consumptive), the new lessee will be only allowed to develop a total of 70.2 acres assuming the same efficiency.

417.3 ac-ft CU – 184 ac-ft CU = 233.3 ac-ft CU
 233.3 ac-ft CU / 3.325 ac-ft/acre CU = 70.2 acres

After the 3-year period when the energy project only needs 12 ac-ft of consumptive use, the lessee may develop Y acres.

417.3 ac-ft CU – 12 ac-ft CU = 405.3 ac-ft CU
 405.3 ac-ft CU / 3.325 ac-ft/acre CU = 122 acres

8.14 If water has been used from a state or federal water project (contract water) on the historic place of use, explain when and how that contract water was used.

N/A.

9. Hydrogeologic Analysis

9.1 Provide a description of existing authorized points of withdrawal and proposed wells, their locations, well depths, static water levels, pumping rates and schedules, etc.

The Barber Wells are constructed in the SW¼ SW¼ and the SE¼ NW¼ of Section 36, Township 7 North, Range 25 East, Benton County Tax Parcel ID 1-3675-000-0000-000 (see Figure 1; Attachment B). The proposed point of withdrawal (Gould Well) is in the NW¼ NE¼ of Section 36, Township 8 North, Range 25 East, Benton County Tax parcel ID 1-3685-100-0000-000. Tables 9.1.1 and 9.1.2 contain information on the existing and proposed points of withdrawal utilized under this water right.

Table 9.1.1 Point of Withdrawal Construction Information

Well	Well Casing Diameter (inches)	Surface Elevation (feet)	Well Depth (feet)	Bottom of Well Elevation (feet)	Screened / Open Interval (feet)
Barber Well No. 1	8 to 24	732.36	845	-112.64	Uncased from: 268-597; 832-860 Perforated from: 727-737; 802-832
Barber Well No. 2	10 to 18	770	990	-220	Uncased from: 640-990
Proposed (Gould Well)	16	1078	1,340	-262	Uncased from: 787-1340

Notes: Elevations are presented relative to the NAVD88.

Water well reports and construction schematics for each well are included in Attachment C.

January 16, 2024

Benton County Water Conservancy Board
Attention: Dr. Darryll Olsen
3030 W. Clearwater, Suite 205-A
Kennewick, WA 99336

Re: Water Right Change Application CG3-22306@1

Dear Benton County Water Conservancy Board:

This letter requests modification of water right Change Application CG3-22306@1 and provides supplemental information to be considered for the water right record. Change Application CG3-22306@1 was filed by Horse Heaven Wind Farm, LLC on November 6, 2023, and transferred to the Benton County Water Conservancy Board (Board). The submitted application requested to change the point of diversion, period of use, add a purpose of use, and transfer the place of use of a Department of Natural Resources (DNR) water right. The current proposed purpose and period of use in the change application is shown below in Table 1.

Table 1. Proposed Purpose and Period of Use in CG3-22306@1

Purpose of Use	GPM	Ac-Ft/Yr	Period of Use
Irrigation of up to 260.7 acres	1,805 gpm	1,031	Irrigation Season
Industrial, Construction, Dust Abatement	150 gpm	184	Year-Round (For Three Years)
Industrial	150 gpm	12	Year-Round
Not to Exceed	1,955 gpm	1,043	

Notes: gpm = gallons per minute; Ac-Ft/yr = acre-feet per year

Requested Modification of Change Application CG3-22306@1

DNR is requesting that the Board modify Change Application CG3-22306@1 to increase the temporary and perpetual instantaneous rate to 450 gallons per minute (gpm) for industrial, construction, and dust abatement uses. The originally requested instantaneous rate (150 gpm) was calculated over a 12-hour pumping period. This modification is requested to reflect the projected instantaneous water demand during an 8-hour pumping period. Full authorization of the instantaneous rate (1,955 gpm) will not be exceeded, and actual coordination of irrigation and non-irrigation uses will occur between the applicant and the farm when filling events occur. Any surplus water will be used for irrigation purposes.

Modification of the proposed purpose and period of use of the change application is shown in Table 2 below.

Table 2. Modification of Proposed Purpose and Period of Use in CG3-22306@1

Purpose of Use	GPM	Ac-Ft/Yr	Period of Use
Irrigation of up to 260.7 acres	1955 gpm	1,043	Irrigation Season
Industrial, Construction, Dust Abatement (non-additive)	450 gpm	184	Year-Round (For Three Years)
Industrial (non-additive)	450 gpm	12	Year-Round
Not to Exceed	1,955 gpm	1,043	

Notes: gpm = gallons per minute; Ac-Ft/yr = acre-feet per year

Additionally, DNR requests a modification to the proposed place of use. This request is being made to ensure that all land water is to be used on is described on the change application. The proposed place of use is located within the following township and range: T9N, R26E., T9N, R27E., T8N, R25E., T8N, R26E., T8N, R27E., T8N, R28E., T7N, R26E., T7N, R27E., T7N, R28E., T7N, R29E., T7N, R30E., T6N, R30E., and T6N, R31E.

Supplemental Material for Change Application CG3-22306@1

DNR is providing the following supplemental material for the water right file to be considered by the Board:

- ✓ Relinquishment of Annual Quantity. Consistent with the findings of Section 8.1 in the submitted *Change Application Supporting Documentation*, DNR agrees that the extent of irrigation under the water right authorization has been reduced to 125.5 acres. Aerial imagery of the irrigated place of use and agricultural lease reports reveals a reduction in irrigated acreage since the year 1996. The reduction in irrigation creates a relinquishment risk of 134.5 acres, when compared to the full water right authorization.
- ✓ Preservation of Instantaneous Rate. The water right's full authorization of instantaneous rate has been preserved. There has been no modification to the installed pumps despite the reduction in the irrigated acreage. The water right file indicates that the two wells authorized under the water right are equipped with a 500-horsepower, and 350-horsepower vertical turbine pump (see Attachment A). From total head pressure, horsepower, and pump efficiency, the calculated the instantaneous flow rate of each well is 2,246 gpm and 1,572 gpm, respectively. Based on these findings, the full instantaneous rate of the water right should be preserved for peaking under the new proposed uses. This quantity of peaking is also needed for the new purposes.

Coordination for Change Application CG3-22306@1

DNR understands that the permitting process of the change application involves several mandatory steps including conducting a site visit and publishing a legal notice of the application. DNR is available to offer coordination of a site visit to aid in the technical investigation of the existing water right and the proposed changes. The Board may contact DNR with any proposed dates for a site visit if coordination is requested.

Company Name
Month 1, 2013

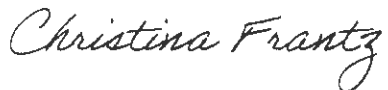
Project No. 123456-78

Additionally, DNR will work with the application to prepare and submit a public notice for the Board's review in accordance with RCW 90.03.280. The public notice will include information as described in WAC 173-153-080.

Please let us know if the Board has any questions or concerns about the proposed amendment request or would like DNR to facilitate coordination of a site visit.

Sincerely,

Department of Natural Resources



Christina Frantz
Water Resources Program Manager
Christina.frantz@dnr.wa.gov

Attachments: Attachment A – Barber Well Pump Information

cc: Dave Kobus, Scout Clean Energy
Dan Haller, Aspect Consulting

S:\Horse Heaven Wind Farm\2023 DNR Water Right Change\Change Application\Transmittal to Board\Modification to Change App\litr_Modification_2024.01.08.docx



ECOLOGY APPLICATION SECTIONS 6-11

Application for Change/Transfer of a Water Right - Form No. ECY 040-1-97 (Rev 01-2020)

6. Project Description

6.1	Provide a brief narrative explaining the general nature and intent of the proposed change(s) to the water right.
<p>The applicant (Horse Heaven Wind Farm) is requesting to change the point of diversion, period of use, add a purpose of use, and transfer the place of use of a Department of Natural Resources (DNR) water right (Certificate G3-+22306CWRIS) located in the Horse Heaven Hills area of Benton County, Washington.</p> <p>This change is requested to supply temporary and perpetual water usage for the construction and operation of the Horse Heaven Clean Energy Center (Energy Center), which will combine wind, solar, and battery storage to produce renewable energy for the region and the State of Washington.</p> <p>DNR holds Groundwater Certificate G3-+22306CWRIS which authorizes 1,955 gallons per minute (gpm) and 1,043 acre-feet/year (ac-ft/yr) for the irrigation of 260.7 acres from two groundwater wells in Section 36, Township 7 North, Range 25 East. This application requests to change the existing authorized points of withdrawal to a different DNR-owned well, "the Gould Well", located approximately 5.5 miles to the north.</p> <p>This change requests to add industrial use to the purpose of use to support the temporary water usage for the Energy Center (concrete mixing, dust suppression, soil compaction, and fire prevention) as well as perpetual water usage for the Energy Center operation (O&M facilities and solar panel washing). Additionally, DNR plans to retain a portion of the irrigation use to utilize this water right to hydrate land surrounding the Gould Well.</p>	
6.2	Are you aware of any compliance/enforcement actions that concern this water right? If so, describe.
No.	
6.3	If this water right has previously been changed, summarize whether the previously authorized changes have been completed.
DNR filed a Temporary Donation to the Trust Water Rights Program on March 23, 2023 for the full amount of water right G3-+22306CWRIS. The donation was recorded under Document Number CG3-22306C.	
6.4	If the water right includes a diversion from a permitted reservoir, list all the associated water rights, the maximum volume of water stored in the reservoir, and the means of withdrawal.
N/A.	

6.5	Attach a copy of any SEPA checklists or environmental analyses related to this project with this application.
------------	--

See Attachment D for SEPA checklist for the project. Additional environmental documents relating to this project are provided in Attachment D and includes: a letter indicating withdrawal of expedited Environmental Impact Statement ("EIS") review, the Energy Facility Site Evaluation Council (EFSEC) SEPA Determination of Significance in a Scoping Notice which included a public comment period through June 10, 2021, and the Draft EIS issued on December 19, 2022 with a public comment period ending on February 1, 2023.

6.6	<u>For period of use change proposals</u>, indicate the time of the year that the change would be in effect.
------------	---

This application requests to change a portion of the existing seasonal irrigation water right to a year-round industrial water right for temporary use (three years) and permanent use. The current period of use is during the irrigation season, typically between April 1st through October 31th, while the proposed industrial period of use will be January 1st through December 31st.

As described in Section 6.1 above, DNR plans to retain a portion of this water right to irrigate the property that surrounds the Gould Well, currently by a dryland lessee that will be converted to an irrigated lessee with irrigation phased around the completion of the energy project development. The period of use for irrigation will remain as is, through the irrigation season.

6.7	<u>For temporary change proposals</u>, indicate the timeframe that the proposed change would be in effect.
------------	---

A portion of the water right proposed for change will supply temporary water use for the construction of the Energy Center for a three-year period. During construction, water would be used to mix concrete for structural foundations and to suppress fugitive dust during grubbing, clearing, grading, trenching, and soil compaction. Fire prevention also represents minor water use; this involves staging water trucks at the job site to keep the ground and vegetation moist during extreme fire conditions.

The project will be built using a "phased approach", with construction estimated to take place over a three-year period. Once construction is complete, perpetual water use will consist of industrial use for O&M facilities and solar panel washing and irrigation use for seasonal irrigation. The development schedule for the irrigation portion of the change will be phased to allow for higher construction water use in the first three years without exceeding the water right quantities.

6.13	Provide an explanation of how the proposed use will not increase the authorized maximum flow rate (Qi) or annual volume (Qa).
-------------	--

The water right instantaneous rate limit is 1,995 gallons per minute (gpm). The existing points of withdrawal were able to produce the full instantaneous rate when the water system was in operation. The proposed point of withdrawal (Gould Well) will have a pump installed right sized to meet the designed pumping rate in order to stay compliant with its water right authorization. The applicant will ensure no increase in the total quantity of water use by installing a measuring device maintained in accordance with RCW 90.03.360 and Washington Administrative Code (WAC) 173-173.

6.14	<u>For surface water diversions</u>, describe how your plans comply with WDFW fish screening requirements.
-------------	---

N/A.

Development Schedule

6.15	Provide a general timeline that includes the steps needed to begin the project, complete the project, and put the water to full beneficial use.
-------------	--

The applicant proposes a three-year development schedule for the temporary construction water use. Phased irrigation after the end of temporary use is expected to take another three years.

6.16	<u>For changes to water rights currently under a development schedule</u>, provide a description of the current status of your project.
-------------	--

N/A.

6.17	Identify and discuss other land-use or environmental permits required and the timeline to obtain those permits.
-------------	--

The applicant will obtain the required federal and state permits outlined in the Application for Site Certification including but not limited to, Construction Stormwater General Permit, Water Quality Permits, Authorization to Use State-owned Lands, Access Permits, Utility Permits, Oversize and Overweight Permits, Sand and Gravel General Permits, and Building Permits.

7. Related Water Rights

7.1	List any other water rights (applications, permits, certificates, or claims) related to this change application. Include any rights that overlap the place of use.
------------	---

Water rights that overlap the place of use or are related to the subject water right include two water right permits (G4-24435 and S4-25639(A)), and one Change-ROE (CS4-25369(A)@2). The attributes of these water right are described in Table 7.1.1 below.

Table 7.1.1. Related Water Rights

Water Right Identifier	Owner	Priority Date	Qi	Qa (ac-ft/yr)	Irrigated Acreage	Purpose of Use	Source
G4-24435	WA DNR	1976	4300 gpm	1638	430	IR	Three Wells

S4-25639(A)P	WA DNR	1977	56.99 cfs	13713.95	3453.5	IR	Surface Water Pumps
CS4-25639(A)@2	WA DNR	2011	72.15 cfs	17375.15	4392.1	IR	Surface Water Pumps

Water right Certificates S4-28608GWRIS and G4-25953(A2) and Change-ROE CG4-24758(A)@1 were initially identified as overlapping the subject water right place of use. After further review, it was determined that these water rights have overly broad places of use that are adjacent to, but unrelated to, the subject water right in this change application.

7.2 Explain how the water rights listed above have been exercised.

Permit G4-24435 authorizes 430 acres of irrigation with a place of use northwest of the subject water right. The water right permit utilizes three groundwater wells, two of which are the John Barber wells under the subject water right. This water right permit will continue to use the Barber Wells after this change application is complete.

Permit S4-25639(A) was assigned to the DNR in 1994, superseding the original 1978 permit under the Paterson Power & Water District. The permit was superseded again in 2005 and issued for 72.15 cfs, 17,3175.15 ac-ft/yr for the irrigation of 4,392.1 acres. It was subsequently split into several "children" certificates following Ecology's agreement to a partial perfection strategy. DNR has perfected portions of the permit on some lands, while surrendering an equivalent number of acres that would otherwise be developed and transferring quantities to other DNR lands. The place of use of the subject water right starting in 2022 is now irrigated with this surface water right.

Change-ROE CS4-25639(A)@2 requested an additional point of diversion from the Columbia River pump station, that would allow for a more cost-effective means to development the irrigation system and acreage. On January 31, 2013, Ecology approved the Benton County Conservancy Board's decision to authorize the additional diversion point.

The water rights described above are being developed separately from the subject water right.

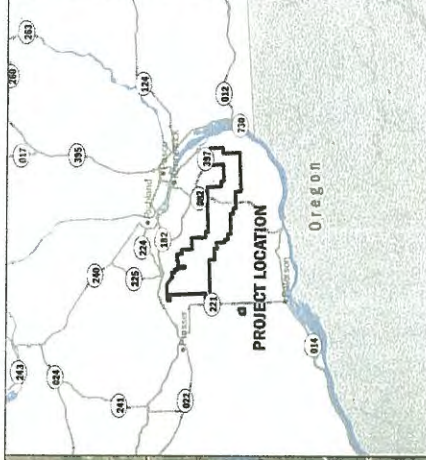
7.3 List all wells that have been added through a Showing of Compliance form.

N/A.

8. Historic Use

8.1 Describe how the water proposed for change has been beneficially used since the water right was established.

Based on a review of historical aerial imagery, irrigation has remained generally consistent within the authorized place of use for the extent of the available imagery (approximately 35 years). Attachment E includes historical imagery from 1985 through 2021. The extent of irrigation visible in the imagery dated 1985 and 1991 is estimated to be 260 acres. From the year 1996 to present, the extent of the irrigation appears to have been reduced to about 125 to 125.5 acres.



- Authorized Point of Withdrawal
- Proposed Point of Withdrawal
- Authorized Place of Use
- Proposed Place of Use
- Township/Range
- Section

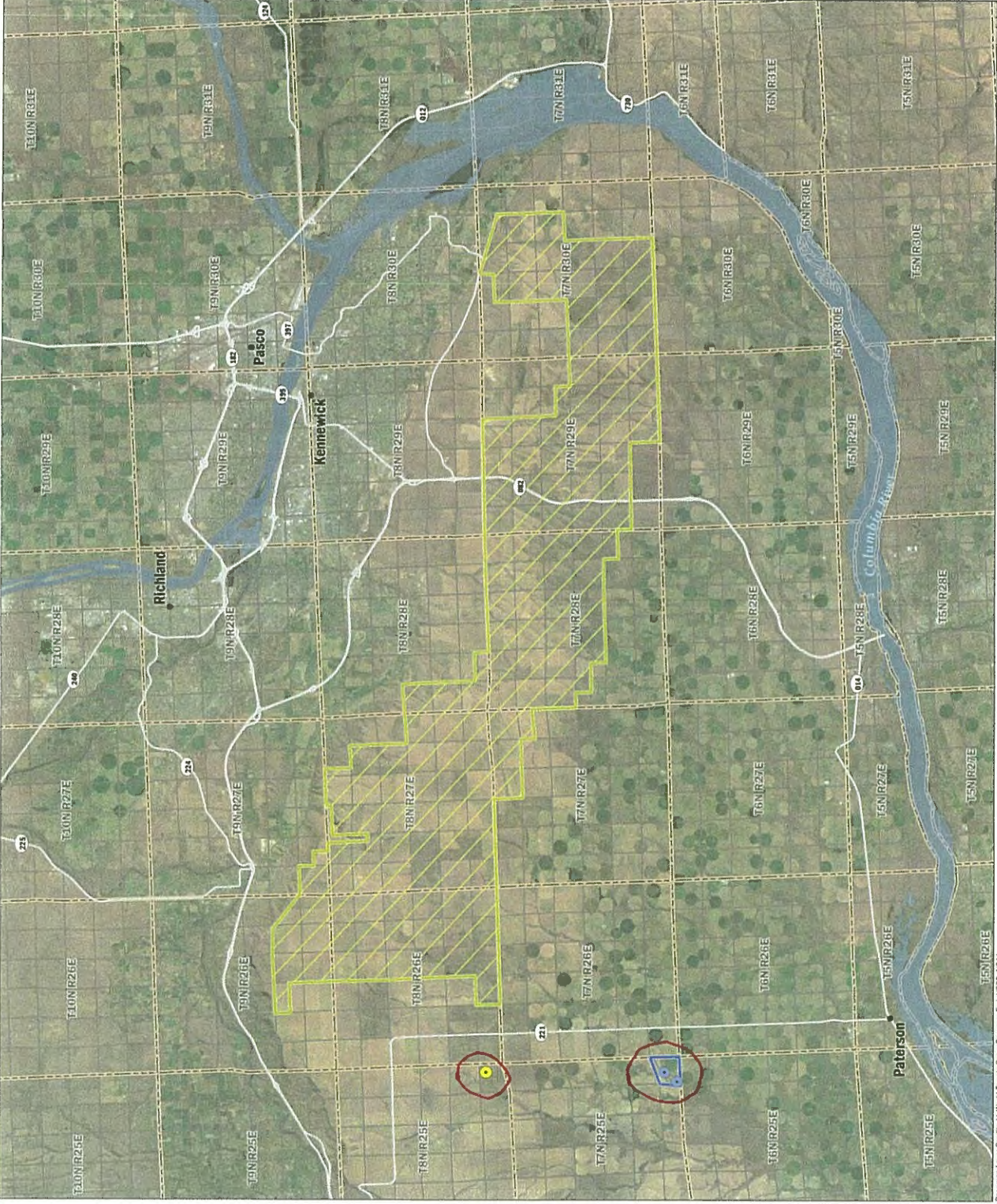
Notes:
- Features are approximate
- Aerial Image sourced from Google Earth Pro

Water Right Application

Horse Heaven Wind Farm
Richland, WA



MAY-2023	PROJECT NO. 24035	FIGURE NO. 1
DATE	PROJECT NO.	FIGURE NO.



Attachment B

Aspect Consulting Comment Letter

Clarifying Maximum Allowable Quantities



August 20, 2024

Ben Carr, Department of Ecology
Central Regional Office
1250 W. Alder Street
Union Gap, WA 98903

Re: Response to Benton County Conservancy Board (Board) Record of Decision to Scout Clean Energy Change Application CG3-22306@1 (BENT-24-01)

Project No. AS210258B-006

Dear Mr. Carr:

Thank you for providing Horse Heaven Wind Farm, LLC and the Washington State Department of Natural Resources with the opportunity to comment on the Draft Record of Decision Report of Examination (ROD/ROE) for Change Application CG3-22306@1. Because of the short timeframe to comment, Aspect Consulting is providing these comments on both parties' behalf after coordinating their collective comments. The comments are related to three issues. The first comment pertains to the Board-authorized annual quantity for irrigation and irrigated acreage, which the parties believe is inaccurate. The second comment pertains to the Board-authorized maximum instantaneous quantities which differs from the historical authorization. The third topic is a response to address concerns stated in the Yakama Nation's letter to Director Laura Watson dated August 13, 2024. Details are provided below.

1. Calculation of maximum annual quantity for irrigation and irrigated acreage

The ROD/ROE's maximum quantity available for irrigation use (280.8 acre-feet/year) is calculated as the product of irrigated acreage (70.2 acres) and water duty (4 acre-feet/acre). This methodology assumes that the irrigated acreage is a set, independent value. Instead, we feel the total maximum annual quantity should be established first and then partitioned between the proposed uses. The resulting annual quantity available for irrigation can then be used to determine the irrigated acreage, based on the water duty, as follows:

- Under the *Extent and Validity Analysis, ACQ Analysis and Beneficial Use Reivew* section of the ROD/ROE, the Board has determined that “*the total allowed water right use estimate for Change/Transfer is 502 acre-ft*”. We agree with this determination and it represents fully consumptive use.
- Using the total water right (502 acre-feet/year), the maximum quantity available for irrigation should be 318 acre-feet/year during the initial three-year period, after subtracting the quantities for temporary Industrial, Construction, Dust Control (184 acre-feet/year). Then, the quantity should be 490 acre-feet/year after subtracting the permanent Industrial (12 acre-feet/year; year-round) uses. We request Ecology correct these irrigation authorizations.

- The DNR lessee will grow a variety of crops each year, some with higher water duties and some with lower. Because the quantities the Board approved under their ACQ methodology are entirely consumptive, there can be no injury from planting a variable amount of acres to match the appropriate water duty of the crop. We request that the full 260.7 acres be retained for this flexibility, which will make the property more attractive for DNR lessees, which in turn leads to higher public interest value to support the DNR Trust obligations. For example, based on the acre-feet/year volumes above, the DNR lessee could irrigate a low duty crop over 260.7 acres at 1.2 acre-feet/acre in the first 3 years. Thereafter, that duty could increase to 1.9 acre-feet/acre. If a higher duty crop is temporarily desired, they can decrease the 260.7 acres to accommodate in those years. The metering provision will ensure that the 502 acre-feet/year is not exceeded. At the very least, the 260.7 acres should be authorized, and the extent that is developed under this new setting should be considered at the certification stage after the development schedule. We request Ecology reinstate the 260.7 acres requested.

2. Maximum instantaneous rate of withdrawal

The maximum instantaneous rate of withdrawal provided in the ROD/ROE is based on the certificated maximum instantaneous duty of 7.5 gpm/acre. The Board applied this proportionally to the acreage available for change (125.5 acres), which resulted in a total allowed quantity of 918.8 gpm. In the calculation, an irrigated acreage of 70.2 acres (discussed above) is used to calculate 526.5 gpm as the maximum gpm allowed for irrigation use.

However, different crops require different peaking rates, and we believe the Board should have also considered the actual withdrawal rates applied by the former DNR lessee. We evaluated this using several different approaches. A 2013 report authored by GeoEngineers investigated the water right's point of withdrawal (Barber Well No. 1) through a constant rate and step-rate pumping test. During testing, the maximum pumping rate recorded was 1,100 gpm, as measured at the start of the pumping test. The report indicates that the Barber Well No. 1 pumping tests utilized "the existing installed pump and associated discharge piping," which according to the water right holder's (DNR's) lease agreements, is a 200-horsepower line-shaft turbine pump. However, this test does not account for intermittent peaks which may occur at the instantaneous (or minute level scale), which is the standard for the maximum instantaneous rate of a groundwater right measured in gpm.

The maximum pumping rate at the point of withdrawal can also be calculated using the brake horsepower equation:

$$BHP = \frac{Q \times P}{1717 \times E_{pump}}$$

Where: BHP = Brake horsepower – the power output of the pump

Q = Flow rate (gpm)

P = pressure (psi) – the total dynamic head

E_{pump} = water pump efficiency (typically around 80%)

Using estimates of pressure for the center-pivot and typical efficiencies results in approximately 1,200 gpm, which confirms the relative magnitude of the GeoEngineers test, but we think more faithfully includes some conservatism for infrequent peak rates.

In the Modification to Change Application submitted to the Board on January 16, 2024, the applicants requested the instantaneous rate for non-irrigation use be increased to 450 gpm. This rate reflects the projected non-irrigation water demand during an 8-hour pumping period. The applicant's request Ecology increase the Board finding as to the permissible instantaneous rate to a combined Qi for irrigation and non-irrigation uses not to exceed 1,200 gpm, and the non-irrigation limit not to exceed 450 gpm. This is still a reduction over the 1,955 gpm originally authorized.

3. Legal authority to transfer groundwater right G3-+22306CWRIS

One of the issues raised by the Yakama Nation is whether DNR has the appropriate authority for this change. They characterize this change as a water right lease only. It is not. Water right application G3-+22306CWRIS was submitted by Horse Heaven Wind Farm, LLC. Washington DNR is the water right holder of the groundwater right. As proposed in the water right application, DNR will lease both the land and water to their new tenant for the purpose of irrigation, and access to land and water to Horse Heaven Wind Farm, LLC for the purposes described in the application. DNR is the best arbiter of its lease authority for many of the reasons outlined in the Yakama Nation letter.

The Yakama Nation also took issue with the SEPA determination by the Board. In addition to the Board's response, we note that under WAC 197-11-600, an agency with jurisdiction is required to use an existing EIS (in this case approved by the Energy Facility Site Evaluation Council (EFSEC) unless there are "substantial changes to a proposal so that the proposal is likely to have significant adverse environmental impacts." Agencies are not required to redo or supplement an EIS when insignificant or minor changes to a project occur over its life cycle, which is the norm. In this case, there is no material issue of impairment by using DNR's well to supply this project. No new land will be disturbed over what EFSEC considered, and no water right holder will be deprived of water. While both applicants respect the Yakama Nation's Traditional Cultural Properties, the use of DNR's well will not alter the project footprint or impacts on them beyond what EFSEC already considered.

We request that Ecology confirm that the EFSEC and Board findings on SEPA are appropriate.

Sincerely,

Aspect consulting



Dan Haller, PE, CWRE
Senior Principal Engineer
dan.haller@aspectconsulting.com



Ryan Mullen, LG
Project Geologist
ryan.mullen@aspectconsulting.com

Attachment C
Memorandum from Mike
Herbert/Washington Department of
Ecology

Date: September 5th, 2024

To: Breean Zimmerman (Permitting Unit), and the file

From: Mike Herbert (Technical Unit), reviewed by John Kirk, L.HG

RE: Technical Review for Benton County Conservancy Board Decision BENT-24-01

I reviewed the Benton County Water Conservancy Board change decision BENT-24-01. This change application requests a change of point of withdrawal (POW), change of place of use (POU), change of purpose of use, and change of period of use to ground water right CG3-+22306CWRIS. CG3-+22306CWRIS authorizes a total annual quantity (Qa) of 1043 acre-feet per year (afy) and instantaneous quantity (Qi) of 1,955 gallons per minute (gpm) for the irrigation of 260.7 acres for the irrigation season. The two authorized POWs are Wells 1 and 2 located in the SW ¼, SW ¼ and SE ¼, NW ¼, of Section 36, Township 7N, Range 25E W.M. The existing POU is all within Section 36, Township 07N, Range 25E W.M.

The proposed POW is a Department of Natural Resources (DNR) well located approximately six and a half miles to the north in NW ¼, NE ¼, of Section 36, Township 8N, Range 25E W.M. The change of POU expands to cover area within Township 9N, Range 26E. W.M., Township 9N, Range 27E. W.M., Township 8N, Range 25E. W.M., Township 8N, Range 26E. W.M., Township 8N, Range 27E. W.M., Township 7N, Range 26E. W.M., Township 7N, Range 27E. W.M., Township 8N, Range 28E. W.M., Township 7N, Range 28E. W.M., Township 7N, Range 29E. W.M., Township 7N, Range 30E. W.M., Township 6N, Range 30E. W.M., and Township 6N, Range 31E. W.M. The proposed change of use is to facilitate operations of the Horse Heaven Clean Energy Center which would combine wind, solar and battery storage to produce renewable energy for the State of Washington. The change is for 1,031 afy at 1805 gpm for seasonal irrigation, a three-year temporary use of 184 afy at 150 gpm for industrial, construction and dust abatement, and 12 afy at 150 gpm for year-round industrial use.

Authorized POW Well 1 was drilled in 1976 by Spokane Drilling Co for the DNR to a depth of 860 feet below ground surface (bgs). The well is open to and withdraws from a zone of water bearing strata from 814-860 feet bgs. Well 2 was drilled in 1978 by Moore drilling, Inc for the DNR to a depth of 990 feet bgs. The drillers log appears to indicate that it is withdrawing from a zone of water bearing strata at a similar depth as Well 1. Both Wells 1 and 2 are completed into the Frenchman Springs Member of the Wanapum Formation of the Columbia River Basalt Group (CRBG).

The proposed DNR POW, referred to as the Gould well was drilled in 1980 by Larry Burd's Well Drilling to a depth of 1340 feet bgs. The Gould well is open to a productive water bearing zone located at the top of the Frenchman Springs Member of the Wanapum Formation. There is an inferred fault between the two wells that has not yet been confirmed

by any geologic mapping. There appears to be no offset of strata in cross section to suggest there is any barrier to groundwater flow between the existing authorized wells and the proposed well. All three of the wells had similar static water level elevations within them at the time of drilling. Both Wells 1 and 2 as well as the proposed Gould well are drawing groundwater from the Wanapum Formation and are completed in the same body of public groundwater for appropriation.

An impairment analysis is required to determine that drawdown impacts experienced within a neighboring well will not lead to impairment due to the authorization of this application. This evaluation assumes conservative aquifer parameters and a maximum impact pumping schedule to determine the maximum amount of drawdown expected to be experienced within a closest neighboring well. After a search of the Department of Ecology Well Log Viewer and aerial photography it is determined that in this location of the Horse Heaven Hills, there are no neighboring water right users within the Wanapum Formation within two miles of the proposed well.

To withdraw the full annual quantity of 1043 acre-feet by pumping the well at the maximum instantaneous rate of 1955 gpm, the well would be pumped continuously for 120.7 days. Using the most conservative hydraulic aquifer properties reported by the United States Geological Survey (USGS) for the Wanapum aquifer, the maximum drawdown interference to occur if there were a neighboring well within a distance of two miles would be less than 6 feet. Assuming moderate aquifer values and there being no identified neighboring wells within two miles, exercising this water right under this change would not result in interference that would injure the exercise of a neighboring water right.

Mike Herbert

Hydrogeologist | Water Resources Program
Department of Ecology | Central Regional Office
1250 W Alder St
Union Gap, WA, 98903
(509) 490-1934



References:

Ely, D.M., Bachmann, M.P., and Vaccaro, J.J., 2011. Numerical simulation of groundwater flow for the Yakima River Basin aquifer system, Washington: U.S. Geological Survey Scientific Investigation Report 2011-205155, 90 pgs.

Fetter, C.W. 2001. Applied Hydrogeology Fourth Edition. Prentice Hall, New Jersey.

Vaccaro, J.J., Jones, M., Ely, D., Keys, M., Olsen, T., Welch, W., and Cox, S., 2009, Hydrogeologic Framework of the Yakima River Basin Aquifer System, Washington.

Washington Department of Ecology Well Database, available at:

<http://apps.ecy.wa.gov/wellog/>

Gould Well SEPA Environmental Checklist - Locations of Applicant Information

Page	
2	A.11. Proposal Description
3	A.12. Proposal Location
4	B.1. Earth
5	B.2. Air
6	B.3. Water
9	B.4. Plants
10	B.5. Animals
11	B.6. Energy and Natural Resources
11	B.7. Environmental health and noise
12	B.8. Land and shoreline use including historic use and effects on adjacent properties
14	B.9. Housing
14	B.10. Aesthetics
15	B.11. Light and glare
15	B.12. Recreation
15	B.13. Historic and cultural preservation
16	B.14. Transportation
17	B.15. Public services
17	B.16 Utilities

Date: September 5th, 2024

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Mike Herbert

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Washington Department of Ecology Well Database, available at:

<http://apps.ecy.wa.gov/wellog/>

ATTACHMENT C

Water Well Reports and Construction Schematics

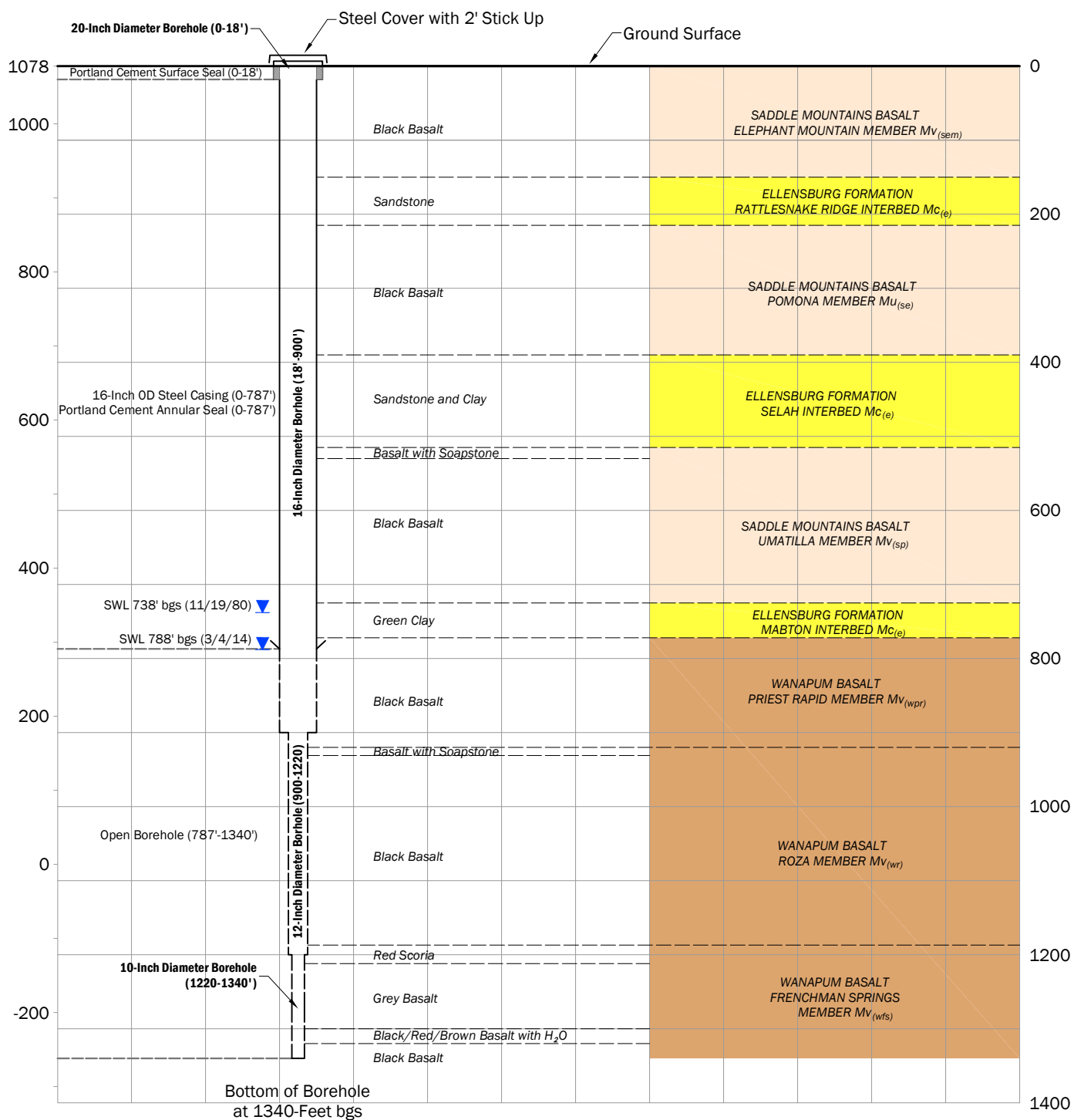
Approximate
Elevation in
Feet (NAVD 88)

Well
Construction
Details

Notes from
Driller's Well Log
(Appendix A)

Geologic
Interpretation

Depth Below
Ground Surface
(bgs) in Feet



Well Construction Schematic

DNR - Gould Well Assessment
Benton County, Washington



FEB-2015

PROJECT NO.
140366

BY:
SDM/SCC
REVISED BY:
-

FIGURE NO.

2

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No. **G3-22306P**

Dept. Natural Resources
(1) OWNER: Name John Barber Well

Address

(2) LOCATION OF WELL: County Benton

Bearing and distance from section or subdivision corner

SW 1/4 Sec. 36 T. 7 N. R. 25 E. W. 1
SW per telecanon / T. Sec. 36

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ...
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 18 inches.
Drilled 860 ft. Depth of completed well 845 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 18" Diam. from 0 ft. to 20 ft.
Threaded ☐ 14" Diam. from 20 ft. to 477 ft.
Welded ☒ 8" Diam. from 477 ft. to 845 ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: HP

(8) WATER LEVELS: Land-surface elevation above mean sea level. ft.
Static level 372 ft. below top of well Date 9-24-76
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Layne Bowler
Yield: 2232 gal./min. with 32 ft. drawdown after 19 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
8:00	372	9:30	404	3:00	403
8:30	385	10:00	404	10:00	402
9:00	390	2:00	402	2:00	402

Date of test 9-24-76
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG: 919182 BX

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
OVERBURDEN	0'	7'
BROKEN Basalt	7'	17'
Basalt	17'	45'
soft weathered Basalt, brown clay	45'	64'
HARD GRAY Basalt	64'	70'
BROWN clay, aquifer	70'	85'
HARD GRAY Basalt	85'	230'
Grey clay	230'	255'
HARD GRAY Basalt	255'	480'
Tan clay	480'	515'
HARD GRAY Basalt	515'	605'
BROKEN Black Basalt	605'	630'
HARD GRAY Basalt	630'	740'
BROKEN Black Basalt	740'	755'
HARD GRAY Basalt	755'	814'
BROKEN Black Basalt aquifer	814'	860'

RECEIVED

OCT 5 1976

DEPARTMENT OF ECOLOGY
SPOKANE REGIONAL OFFICE

Work started Oct 1975. Completed Sept 25 1976

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Spokane Drilling Co.
(Person, firm, or corporation) (Type or print)

Address Rt 1 Box 185 Colbert WA 99005

[Signed] William P. Ray
(Well Driller)

License No. 0418 Date Oct 3 1976



WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle) 395963

☐ Construction

☐ Decommission ORIGINAL INSTALLATION Notice of Intent Number _____

PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☒ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____
☐ New well ☒ Reconditioned Method: ☐ Dug ☐ Bored ☐ Driven
☐ Deepened ☐ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 16 inches, drilled _____ ft.
Depth of completed well 832 ft.

CONSTRUCTION DETAILS

Casing ☐ Welded _____" Diam. from _____ ft. to _____ ft.
Installed: ☒ Liner installed 8" Diam. from 624 ft. to 832 ft.
☐ Threaded _____" Diam. from _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No
Type of perforator used Torch
SIZE of perfs 3/8 in by 6 in. and no. of perfs 10 from 727 ft. to 832 ft.

Screens: ☐ Yes ☒ No ☐ K-Pac Location _____
Manufacturer's Name _____

Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ☒ No ☐ Size of gravel/sand _____ ft.
Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? _____ ft.
Material used in seal Existing seal

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____ H.P. _____
Type: _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 422 ft. below top of well Date 11-8-10

Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time _____ Water Level _____ Time _____ Water Level _____ Time _____ Water Level _____

Time _____ Water Level _____ Time _____ Water Level _____ Time _____ Water Level _____

Time _____ Water Level _____ Time _____ Water Level _____ Time _____ Water Level _____

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Air test: 1200 gal./min. with stem set at 832 ft. for 4 hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water 65° Was a chemical analysis made? ☐ Yes ☒ No

CURRENT

Notice of Intent No. W 241176

Unique Ecology Well ID Tag No. BAF 463

Water Right Permit No. G3-22306 C

Property Owner Name Dept of Natural Resources

Well Street Address Harrison Rd.

City Benton City County Benton

Location Su/4-1/4 Su/4 Sec 36 Twn 2' R 25 E circle, one

Lat/Long (s, t, r) Lat Deg _____ Lat Min/Sec _____

Still REQUIRED) Long Deg _____ Long Min/Sec _____

Tax Parcel No. 13675-0000000000

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Reamed Pump chamber		
12 To 15"	462	589
Ream 8" To 10"	597	832
INSTALLED 8" Liner	624	832
There is metal in Bottom of Well at 832		

RECEIVED

NOV 24 2010

DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

RECEIVED

DEC 05 2010

DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

Start Date 11-2-10 Completed Date 11-12-10

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Ed Brown

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 1893

If TRAINEE,

Driller's Licensed No. _____

Driller's Signature _____

Drilling Company Waterwell Developing & Surveys

Address PO 156

City, State, Zip Umatilla OR 97882

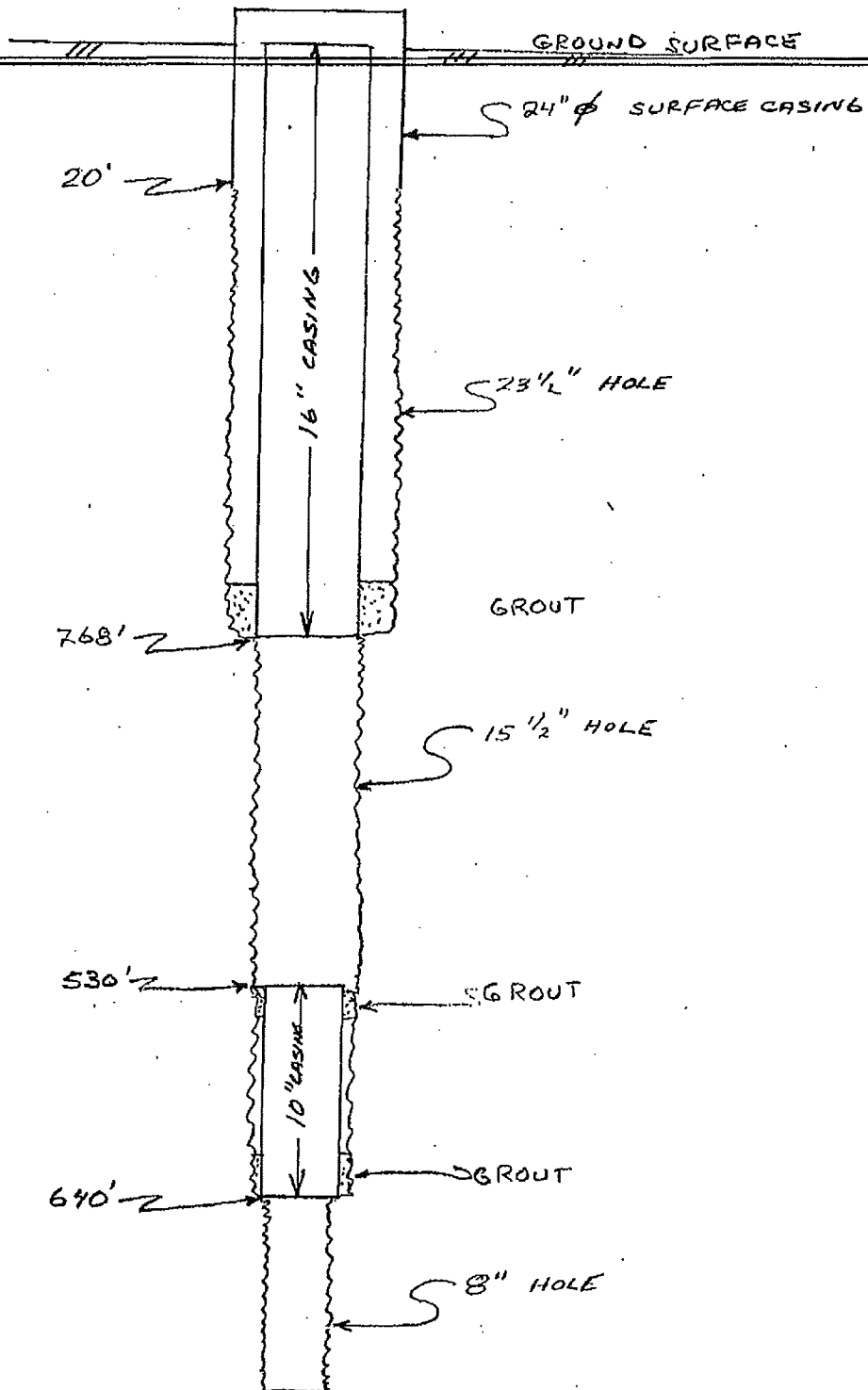
Contractor's Registration No. Water 05100 MB Date 11-18-10

Ecology is an Equal Opportunity Employer.

JOHN BARBER Well No. 1

SEC 36, T 7N, R 25E

AS BUILT AFTER REPAIR CONTRACT (DN1275-25)



7/28/80 RCE

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 63-2236
Permit No. 24435F

(1) OWNER: Name Dept of Natural Resources Address Olympia, Wa. 98504
(2) LOCATION OF WELL: County Benton S2E 1/4 NW 1/4 Sec. 36 T. 7 N. R. 25E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) DNR-76-42
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 10" to 990" inches.
Drilled 990 ft. Depth of completed well 990 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 18" Diam. from +1 ft. to 80 ft.
Threaded ☐ 14" Diam. from 470 ft. to 520 ft.
Welded ☒ 16" Diam. from 210 ft. to 260 ft.

Perforations: Yes ☐ No ☒

Type of perforator used.....
SIZE of perforations in. by in.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.

Screens: Yes ☐ No ☒

Manufacturer's Name.....
Type..... Model No.....
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water?..... Depth of strata.....
Method of sealing strata off.....

(7) PUMP: Manufacturer's Name.....
Type: HP.....

(8) WATER LEVELS: Land-surface elevation above mean sea level.... ft.
Static level 383 ft. below top of well Date 2/28/78
Artesian pressure lbs. per square inch Date.....
Artesian water is controlled by..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Valley
Yield: 3901 gal./min. with 30 ft. drawdown after 24 hrs.

" " " "
" " " "

Recovery data (time taken to zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
.....
.....
.....

Date of test 2/28/78
or test..... gal./min. with..... ft. drawdown after..... hrs.

Artesian flow..... g.p.m. Date.....
Temperature of water..... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top soil	0	6
Basalt hard black, broken	6	20
Basalt soft black, broken	20	22
Basalt hard gray	22	38
Basalt soft brown	38	42
Clay brown & basalt soft brown	42	53
Basalt soft black & soft brown layers 1" to 6"	53	68
Basalt broken brown w/gray clay and yellow clay	68	79
Basalt hard gray	79	226
Basalt soft brown	226	231
Basalt very soft brown	231	238
Basalt brown & black, broken some gravel	238	260
Basalt black and some brown	260	310
Basalt hard gray	310	456
Basalt soft black	456	472
Clay gray	472	480
Clay green & basalt brown broken	480	502
Basalt black, broken & grn clay	502	511
Basalt black, broken	511	518
Basalt hard gray	518	620
Basalt black & brown broken	620	636
Basalt hard gray	636	740
Basalt soft black	740	757
Basalt soft brn broken w/blue clay	757	770
Basalt hard black	770	803
Basalt soft red	803	814
Basalt hard black	814	853
Basalt broken brown, blue clay	853	880
Basalt hard black	880	900
Basalt gray hard	900	906
Basalt black & brown trace of green clay	906	916

Work started 12/7, 1978, Completed 2/1, 1978

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

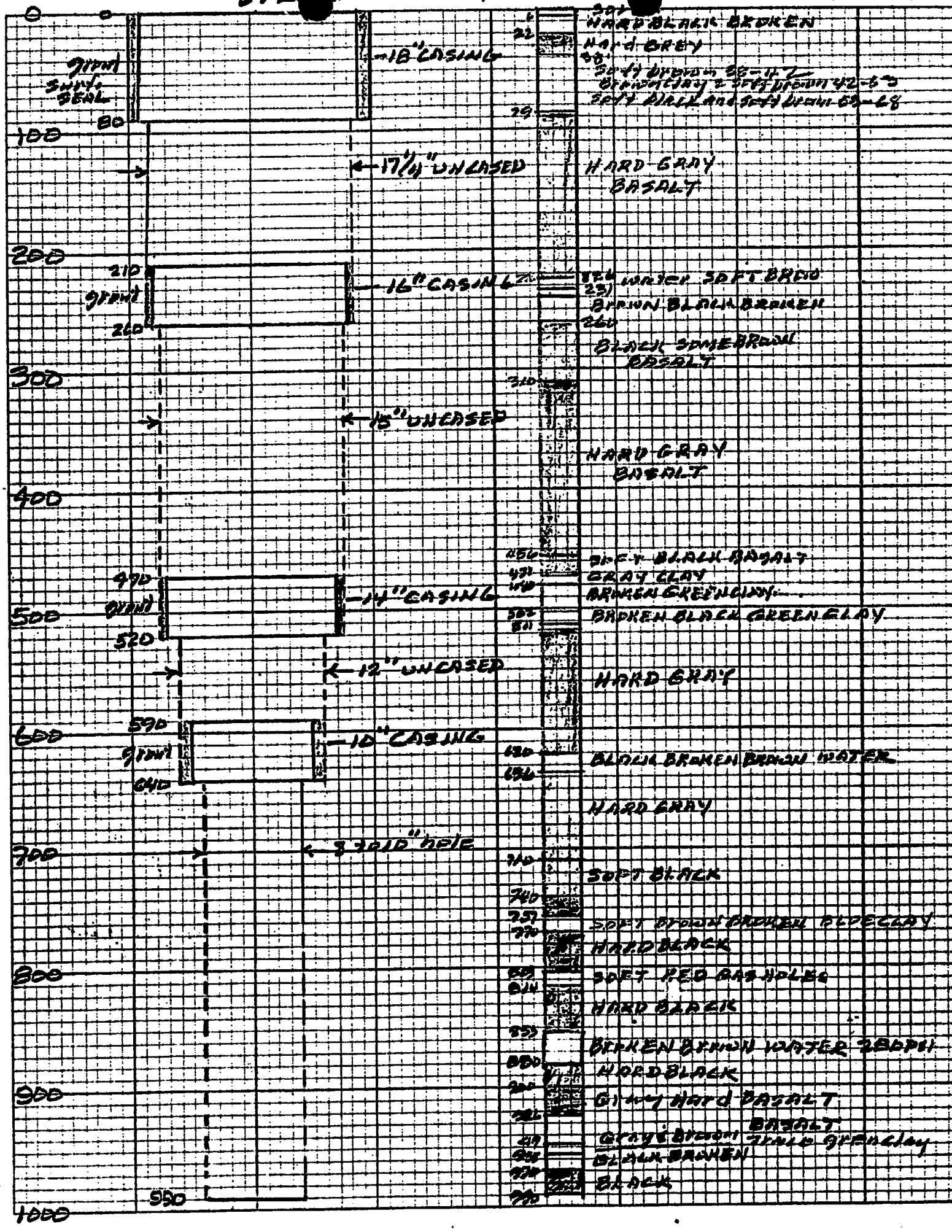
NAME Moore Drilling, Inc.
(Person, firm, or corporation) (Type or print)

Address P. O. Drawer P, Moses Lake, Wa. 98837

(Signed) Steve Moon
(Well Driller)

License No. 0317 Date 3/1, 1978

AS-BUILT - JOHN BARBER WELL NO. 2 SPE DNR-76-42 - SECT T7NR25E BENTON CO



ATTACHMENT G

Hydrogeologic Memorandum

MEMORANDUM

Project No. 210258

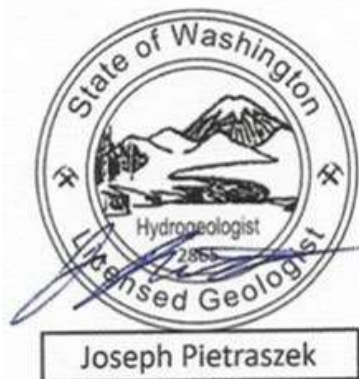
August 9, 2023

To: Chad Unland, Washington State Department of Natural Resources (DNR)
Dave Kobus, Scout Clean Energy (Scout)

From:



Ryan Mullen, LG
Project Geologist
rmullen@aspectconsulting.com



8/9/2023

Jay Pietraszek, LHG
Associate Hydrogeologist
jpietraszek@aspectconsulting.com

Re: Hydrogeologic Investigation - DNR Gould Well
Pending Water Right Change Application for G3-+22306CWRIS

This memorandum presents Aspect Consulting's LLC (Aspect's) evaluation of the same body of public groundwater water and impairment criterion in support of the pending Application for Change/Transfer of Water Right Certificate G3-+22306CWRIS. Scout Clean Energy (Scout) filed a water right change application requesting to change the point of diversion (groundwater withdrawal), period of use, add a purpose of use, and transfer the place of use for a Department of Natural Resources (DNR) water right (Certificate G3-+22306CWRIS) located in the Horse Heaven Hills area of Benton County, Washington.

The same body of groundwater test is triggered when adding or changing wells to an existing water right under RCW 90.44.100. The following sections provide an overview of hydrogeological conditions in the area, followed by an evaluation of same body of groundwater and impairment.

Summary of Findings

Based on the review of existing documentation, Ecology guidance and policy documents, and the hydrogeologic conditions described below, we find that:

- The existing points of withdrawal (Barber Wells) and the proposed point of withdrawal (Gould Well) are completed in the Wanapum Basalt Formation. Specifically, the productive water-bearing zone is located at the top of the Frenchman Springs member of the Wanapum Basalt. Following guidance from Ecology Policy 2010 *Defining and Delineation of Water*

August 9, 2023

Sources, the existing and proposed sources of withdrawal are located in the same body of public groundwater.

- Withdrawals from the Gould Well will not impair existing groundwater or surface water rights. No Wanapum Basalt water right permits, certificates, or permit-exempt water supply wells are within a 2-mile radius of the Gould Well. Nearby permit-exempt wells are typically competed in the shallower Saddle Mountains Basalt.
- We therefore conclude that the original authorized points of withdrawal under Certificate G3-+22306CWRIS are in the same source of public groundwater as the Gould Well. In addition, no other permit or permit-exempt uses in the Wanapum are within the radius of influence, and therefore no impairment to existing groundwater users is expected to occur.

Project Background

DNR holds Groundwater Certificate G3-+22306CWRIS which authorizes 1,955 gallons per minute (gpm) and 1,043 acre-feet per year (ac-ft/yr) for the irrigation of 260.7 acres from two groundwater wells, referred to as “the Barber Wells”, which are located in Section 36, Township 7 North, Range 25 East. The subject application requests to change the existing authorized points of withdrawal to a different, nearby DNR-owned well “the Gould Well”, located approximately 5.5 miles to the north (Figure 1¹).

This change is requested to supply temporary construction and ongoing operational water use for the Horse Heaven Clean Energy Center (Energy Center), which will combine wind, solar, and battery storage to produce renewable energy for the region and the State of Washington.

The change application requests to add industrial use to the purpose of use to support the temporary water usage for the construction of the Energy Center (concrete mixing, dust suppression, soil compaction, and fire prevention) as well as ongoing water usage for the Energy Center operation (O&M facilities and solar panel washing). Additionally, DNR plans to retain a portion of the irrigation use to utilize this water right to hydrate land surrounding the Gould Well.

Hydrogeologic Conditions at Existing and Proposed Sources

This evaluation of hydrogeologic conditions is based on review of geologic reports for the area, review of well driller’s logs obtained from the Department of Ecology (Ecology) well log database, and previous hydrogeological reporting completed for the subject wells.

Both the existing and proposed sources of groundwater are located in the Horse Heaven Hills region of southeastern Washington about 8 miles north of the Columbia River (Figure 1¹). The project area is underlain by Miocene- and Pliocene-age basalts of the Columbia River Basalt Group (CRBG), which have been divided into six geologic formations, and these formations are further divided into members and flow units. From oldest to youngest, the CRBG formations include, the Innaha Basalt, Picture Gorge Basalt, Prineville Basalt, Grande Ronde Basalt, Wanapum Basalt, and the Saddle Mountains Basalt (Swanson et al., 1978).

¹ Figure 1 and Attachment C are included in the Water Right Change Application for G3-+22306CWRIS.

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A comprehensive understanding of the hydrostratigraphy in the immediate project vicinity has been documented by a U.S. Geological Survey well completion study by Pearson (1973) and further detailed in the hydrogeologic framework by Kahle et al. (2011). These sources indicate two formational units within the CRBG—the Saddle Mountains Basalt and the Wanapum Basalt—make up the aquifer system in the project vicinity. These basalt units are separated by clay and silt interbeds of the Ellensburg Formation.

Quaternary-age alluvium and loess composed of unconsolidated sediments are mapped at the ground surface near the Barber Wells and the Gould Well (Reidel and Fecht, 1994); however, these sediments are presumed to be only approximately 10 feet in thickness and therefore have no bearing on water supply capabilities.

Geologic structures in the Horse Heaven Hills region include faults and folds that compartmentalize the aquifer zones and thus groundwater flow within the Columbia River Basalts. Several north-northeast and northwest-oriented faults have been mapped in the project area and documented in a 1996 United States Geological Survey (USGS) report within limited field evidence of their existence (Packard, et al., 1996). These inferred faults were presumed to behave as barriers to groundwater flow; however, recent aquifer testing by Aspect (2015) in the project area confirms that at least one of these faults do not act as a barrier to groundwater flow in the vicinity of the Gould Well.

Well Completion Details and Completed Aquifer Zones

The following section describes the well completion zone under the existing points of withdrawal (Certificate G3-+22306CWRIS, “the Barber Wells”) and the proposed point of withdrawal (Gould Well). Well logs and completion schematics for both the Barber wells and Gould Well are included in Attachment C.¹

Existing Points of Withdrawal (Barber Wells)

The Barber Wells are constructed in the SW¼, SW¼ and the SE¼, NW¼ of Section 36, Township 7 North, Range 25 East, Benton County Tax Parcel ID 1-3675-000-0000-000. Well construction is documented in the driller reports. Additional details on Barber Well No. 1 are reported by GeoEngineers (2013).

- Barber Well No. 1 was drilled and constructed in 1976 by Spokane Drilling Co to a depth of 860 feet below ground surface (bgs). The construction log indicates that water bearing zones were encountered at depths of 70 to 85 feet bgs and 814 to 860 feet bgs at the time of drilling. The well was constructed with 16-inch diameter casing extending to a depth of 268 feet bgs, sealing off the upper aquifer zone which we presume to be associated with the younger Saddle Mountains Basalt Formation. We associate the lower water-bearing zone with the Wanapum Basalt Formation. This is consistent with the hydrogeologic reporting by Packard, et al., (1996) for the USGS test well completed adjacent to Barber Well No. 1, which states “geologic material below about 518 feet would correspond with the Wanapum basalt Formation and basalt flow about a depth of about 518 feet would correlate with the Saddle Mountains Basalt Formation”.
- Barber Well No. 2 was drilled and constructed in 1978 by Moore Drilling, Inc to a depth of 990 feet bgs. Based on the as-built drawing for the well provided with the well construction

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Project No. 210258

August 9, 2023

log, water-bearing zones were encountered at 226 to 231 feet bgs, 630 to 656 feet bgs, and 853 to 860 feet bgs, at the time of drilling. The well construction log indicates the two upper (shallower) water-bearing zones were sealed off with 16-inch and 10-inch diameter casing. The lower (deeper) water-bearing zone was left open. We interpret the deeper water-bearing zone to be completed within the Wanapum Basalt Formation.

Proposed Point of Withdrawal (Gould Well)

The Gould Well is constructed in the NW¼, NE¼ of Section 36, Township 8 North, Range 25 East, Benton County Tax Parcel ID 1-3685-100-0000-000.

- The Gould Well was constructed in 1980 by Larry Burd's Well Drilling to a depth of 1,340 feet bgs. Both the Saddle Mountains Basalt (0 to 725 feet bgs) and the Wanapum (772 to 1,340 feet bgs) were encountered during drilling with interbeds of the Ellensburg Formation occurring within and between the basalt formations. The entire thickness of the Saddle Mountains Basalt and Ellensburg Formation interbeds are sealed off from the well with a grout seal extending to a depth of 787 feet bgs. The primary water-bearing zones of the Gould Well are located within the Frenchman Springs member of the Wanapum Basalt at depths of 1,188 to 1,217 feet bgs and 1,302 to 1,320 feet bgs.

Same Body of Groundwater and Hydraulic Continuity

Ecology Policy 2010 *Defining and Delineation of Water Sources* provides guidance for determining the source of water (including same body of public groundwater) for water resources permitting decisions. The policy provided guidance for assessing both technical and water right administration considerations in determining the source of water. In evaluating changes to groundwater rights, the policy described the intent of the same body of public groundwater test as preserving the priority system among rights within the same source of water and ensuring reliability of water supply during times of shortages.

Technical Considerations

The *Technical Considerations* section of Ecology Policy 2010 defines a source of water as a body or bodies of water which:

- Are hydraulically connected;
- Share a common recharge (catchment) area;
- Share a common flow regime; and
- Are isolated from other sources by the presence of effective barriers to hydraulic flow.

Based on completion depths and review of well log lithology, the Barber Wells authorized under Certificate G3-+22306CWRIS and the proposed Gould Well are both documented to be completed in the upper portion of the Wanapum Basalt Formation, which are hydraulically connected, receive recharge from the overlying formation(s), and share a common flow regime. In addition, based on the recent testing completed by DNR (Aspect, 2015), the inferred fault near the Gould Well does not act as a barrier to groundwater flow.

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Water Right Administration Considerations

Water right administration considerations are applied to the same body of public groundwater test can include results of water right adjudications, adopted groundwater management area rules, adopted watershed plan rules, and adopted instream flow rules. To date, none of these actions have been undertaken in the Horse Heaven Hills region.

Impairment Evaluation

Ecology's well log and water rights databases were queried to identify water supply wells, groundwater claims, and groundwater rights located within an approximately 2-mile radius of the Gould Well. Three unique well logs were identified, and based on depth and elevations, are likely completed in the shallower Saddle Mountains Basalt aquifer within the search area. Three groundwater claims were also identified (Table 1). None of these water right claim records included a well log, so completion unit and available drawdown are unknown.

Table 1. Nearby Groundwater Rights and Wells32820

WR Record / Well Report ID	Person/Org.	Water Right Phase	Priority Date	Well Depth (feet)	Well Diameter (inches)
137097	Bill Ferris	N/A	N/A	175	6
1020646	Dave Sprague	N/A	N/A	375	6
1033946	John Somero	N/A	N/A	400	8
G4-13658CL	Helga M Travis	Claim	6/27/1974	N/A	N/A
G4-092271CL	Jim F Moone	Claim	5/16/1974	N/A	N/A
G4-007622CL	Horse Heaven Ranchers	Claim	4/19/1954	N/A	N/A

According to results from searching Ecology's databases, no permitted Wanapum Basalt water rights or permit-exempt water supply wells are located within the search radius. Moreover, given the lack of adopted management rules and the existing appropriation of water in the Horse Heaven Hills region and Wanapum aquifer, we believe that permitting the proposed point of withdrawal in the Wanapum Basalt aquifer, as long as there is no enlargement of existing water rights and impairment to existing rights, is consistent with the intent of Ecology Policy 2010 to preserve the priority scheme and avoid conflict between water users.

References

Aspect, 2015, Gould Well Assessment and Testing Report, Prepared for Washington State Department of Natural Resources. April 14, 2015.

GeoEngineers, 2013, Paterson Project Area Exploration, Testing, and Analysis, Columbia River Off-channel Aquifer Storage Project, Benton County Washington, Prepared for Washington State Department of Ecology, September 27, 2013.

Kahle, S.C., Morgan, D.S., Welch, W.B., Ely, D.M., Hinkle, S.R., Vaccaro, J.J., and Orzol, L.L., 2011, Hydrogeologic Framework and Hydrologic Budget Components of the Columbia

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Plateau Regional Aquifer System, Washington, Oregon, and Idaho. U.S. Geological Survey Scientific Investigations Report 2011-5124, 66 p.

Packard, Hansen and Bauer, 1996, Hydrogeology and Simulation of Flow and the Effects of Development Alternatives on the Basalt Aquifers of the Horse Heaven Hills, South-Central Washington, U.S. Geological Survey, Water-Resources Investigation Report 94-4068.

Pearson, H.E., 1973, Test-Observation Well near Paterson, Washinton: Description and Preliminary Results, U.S. Geological Survey Water-Resources Investigations 9-73.

Reidel, S.P. and Fecht, K.R., 1994, Geologic map of the Richland 1:1,00,000 quadrangle, Washington, Washington Division of Geology and Earth Resources, Open File Report 94-8, 1:1,00,000.

Swanson, D.A., and Wright, T.L., 1978, Bedrock geology of the southern Columbia Plateau and adjacent area, Chap. 3, *in* Baker, V.R., and Nummedal, D., eds., The channeled scabland: Washington, D.C., National Aeronautical and Space Administration, Planetary Geology Program.

Limitations

Work for this project was performed for the Scout Clean Energy (Client), and this memorandum was prepared in accordance with generally accepted professional practices for the nature and conditions of work completed in the same or similar localities, at the time the work was performed. This memorandum does not represent a legal opinion. No other warranty, expressed or implied, is made.

All reports prepared by Aspect Consulting for the Client apply only to the services described in the Agreement(s) with the Client. Any use or reuse by any party other than the Client is at the sole risk of that party, and without liability to Aspect Consulting. Aspect Consulting's original files/reports shall govern in the event of any dispute regarding the content of electronic documents furnished to others.

V:\210258 Horse Heaven Wind Farm\Deliverables\HG Memo\GouldHG_2023.08.09.docx

REPORT OF EXAMINATION

Prepared by Members of the Benton County Water Conservancy Board

BACKGROUND

The applicant is: HHH Wind Farm, LLC (with DNR water right ownership), 5775 Flatiron Parkway, Suite 120, Boulder, Colorado, 80301.

This project is being proposed to provide additional green power resources for the region.

As noted above, an existing groundwater well will be used to service the project site, for multiple industrial and agricultural purposes. New primary and secondary mainlines will be built to provide site water delivery.

Attributes of the water right as currently documented:

Name on Certificate: WA State Dept of Natural Resources, SE Region, 713 Bowler Rd., Ellensburg, WA 98926.

West Richland G3-+22306CWRIS	MAXIMUM GAL/MINUTE gpm 1,955	MAXIMUM ACRE-FT/YR Acre-ft. 1,043	TYPE OF USE, PERIOD OF USE Acres Irrigation 260.7 acres, irrigation season.				
SOURCE Groundwater			TRIBUTARY OF (IF SURFACE WATER)				
AT A POINT LOCATED: <u>Wells (Parcel Nos.)</u> 1 1367500000000000 2	$\frac{1}{4}$ SW SE	$\frac{1}{4}$ SW NW	<u>SECTION</u> 36	<u>TOWNSHIP N.</u> 7N	<u>RANGE EWM</u> 25EWM	<u>WRIA</u>	<u>COUNTY</u> Benton
LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS USED							
All within: Section 36, T.7N, R.25 EWM; and application site maps.							

Tentative determination of the water right:

See Water Board's Decision above; the water right certificate is in good standing.

Previous changes:

Water right Trust Program submittal in 2022.

History of water use:

Per the applicant information, portions of the water right certificate have been continuously used for irrigation. Some de factor relinquishment has occurred for non-use, not subject to RCW 90.14.140 exemptions. About 125.5 acres are not subject to relinquishment, per DNR and consultant, and Water Board review.

SEPA:

The Water Board has a narrow public interest, or SEPA, jurisdiction, tied to water resources management and water law, and specific provision per the groundwater code RCW 90.44.

The direct water right change/transfer described herein is subject to SEPA review, and an environmental impact statement has been prepared by the lead agency, the Washington State Energy Facility Site Evaluation Council (EFSEC). The Water Board has specifically reviewed the key water resources issues/questions pertinent to SEPA and water law in general: 1) is water available (extent and validity); 2) does potential impairment exist; 3) will the water be beneficially used; and 4) will the water be used efficiently? The Water Board determines the above can be answered in the affirmative, and no impairment issues exist. The water right extent and validity has been reviewed/modified for this C/T per RCW 90.03.380, where changes in purpose and place of use are subject to an annual consumptive quantity (ACQ) review.

The Water Board has requested directly from EFSEC staff to confirm whether their EIS adequately covers water source impacts associated with this project. The EFSEC staff have determined that the Final EIS did acknowledge (private) water rights from groundwater sources in the project area, to service the project.

The Water Board did consult with other governmental and Tribal parties affected by the proposed project.

The Benton and Yakima County Commissioners raised the question of comprehensive land use planning. Based on statutory/rule review, the Water Board (with legal counsel) concludes that EFSEC authority overrides local land use restrictions, in this particular case.

The Water Board directly consulted with Yakima Nation Tribal staff and their legal counsel. The Yakima Nation conveyed two major points: 1) the EIS coverage was not specific enough; and 2) the DNR lacked statutory authority to lease water rights for portions of the project's water demand purposes. Regarding the first point, the Water Board determined that the four key water right use questions above were met (including hydraulic continuity). The new C/T point of withdrawal was determined to be in the same body of groundwater for management purposes, per detailed discussion with Ecology staff.

The second point was reviewed with legal counsel, and determined that leasing a water right certificate (real property) was no different than leasing a tract of land (real property). Water right change/transfers also are subject to Real Estate Excise Tax (taxable water right actions) per WA State Dept. of Revenue review. The legality question regarding DNR lease of water rights on DNR and non-DNR adjacent lands does not appear to be a limiting issue in this C/T decision.

So, relative to the water supply/right issue governed by SEPA coverage, the Water Board defers to the decisions by the lead SEPA agency, the EFSEC. They have stated that appropriate SEPA compliance exists.

Family Farm Act Compliance:

The FFA affects the holding of (irrigation) water rights acquired after December 8, 1977. The Act does not affect the use of prior water rights held by a single party (RCW 90.66.020, 90.66.040; also see PCHB No.13-146, Reichman, February 14, 2014). The applicant's certificate has a pre-FFA date.

The Water Board concludes that the applicant's change/transfer request is consistent with the FFA.

COMMENT AND PROTESTS

Public notification/hearings for the applicant's request were filed in the Tri-City Herald; with public hearings offered (no requests for public hearings or participants). Copies are provided in the Public Notice attachments. The WADOE/Water Board did receive dissenting comments from the Benton-Yakima County Commissioners and the Yakama Nation and has responded to such (as noted above).

The County Commissions cited concerns over land use restrictions/zoning affecting irrigated agriculture. These concerns appear to be superseded by statutory/rule authority granted to EFSEC (discussed with Commission staffs). The Tribal concerns regarding water supply focus on source location and DNR water right leasing authority. The basic water right change/transfer (permitting tests) have been met, and the new POW is in direct hydraulic continuity with the existing POW, per review of the applicant's information and discussed with Ecology technical staff. The DNR's ability to lease certificated water use on partial DNR land does not deviate from a real estate lease, a practice already conducted by DNR.

The application materials have been distributed to several other state resources agencies (WDFW) and interested parties. No additional comments have been received from these parties concerning the application or proposed actions.

The application materials were made available to the public including public hearing notice; no hearing was requested—no comments or BCWCB meeting participants addressed the proposed action.

Issues Raised by WADOE:

The Water Board has provided the CRO-WRP-WADOE with the initial change/transfer application and public notice of the ROE/ROD. The BCWCB has previously discussed/reviewed this water right with CRO staff. No specific action comments were received during the application review process.

Protests:

Date: Comments and protests noted above from Benton-Yakima County Commissions and Yakama Nation.

This was recognized by the board as a ☒ Protest ☒ Comment

Name/address of protestor/commenter: See attachments.

Issue: Discussed above.

Board's analysis: Discussed above.

Other Items/Issues: None. *Pertinent Comments:* None.

INVESTIGATION

Prepared by Members of the Benton County Water Conservancy Board

The following information was obtained from site inspections (BCWCB representatives); and from general knowledge of this project by the Water Board, technical reports and documents, research of WADOE records, and discussions/information with the water right C/T applicant's technical representatives. Several discussions have been made with other agency/Tribal staff/consultants.

The applicant has provided technical information, personal communications, and technical references requested by the Water Board, including data to verify the existing and proposed use areas; and the applicant's technical representative has communicated extensively with individual Water Board members to answer specific questions about the change/transfer request. The Water Board has received supplemental information from the applicant, as needed.

The Water Board has reviewed the standing of the water right documentation provided by the water right holder concerning water management, and recent air-photography for the general water right place of use and purpose, and new POW site. The Water Board is familiar with the added POW site (Horse Heaven Hills area).

The Water Board has forwarded copies (regular ground mail) of the application change/transfer request and public notice to the state Dept. of Fish & Wildlife, the Tribes, and to all parties requesting such copies. No comments were received by these parties during the formal, and informal, public comment period for the change/transfer application.

Verification of Existing Water Right:

The existing water use retains an active water right certificate on file, granted by the Washington State Dept. of Ecology. The use is available for existing change/transfer actions. It is concluded that the water right is in good standing, subject to the conditions contained within this ROE/ROD.

The DNR did place into the Temporary Trust Program portions of the right that it apparently assumed reflected allowed consumptive use for change/transfer, about 409 acre-ft. DNR assumed the remaining portion of the right was subject to relinquishment review.

Proposed project plans and specifications:

The proposed change/transfer action supports the development of a new wind/solar farm along the Horse Heaven Hills (HHH) area. The project description is included in the EFSEC docket summary (application attachments), with perhaps as many as 244 to 150 wind turbines depending on size (see application location maps). The wind turbine range would generally follow the northern HHH ridge area, and perhaps cross about 72,428 acres (with transmission lines); the solar arrays and batteries would cover no more than 6,570 acres. The project at full development would generate about 1,150 MWs (nameplate). Peaking power capability would vary.

The project would be as close as 4 miles south/southwest from the Kennewick City limits.

The water use would be used for general industrial development at the site, dust control, solar array cleaning, and some irrigated agriculture.

Other Water Rights Appurtenant to the Property and Associated Rights:

There are surface water rights affecting the existing project area; no other water rights specifically attached to land or directly affected by the project (see applicant/consultant report attachment). This action would remove the existing water right placed into the Trust Program.

The existing groundwater pumps/infrastructure had been intended to serve the original water right certificate, and perhaps other rights (see application attachments), but the allocated gpm for this C/T decision is based on the actual pumping use for irrigated acres and not “pumps and pipes” status for other rights or relinquished portions of the certificate.

Effect or Benefit to Public Interest:

A Washington State Supreme Court ruling has stated that “...a ‘public interest’ test is not a proper consideration when Ecology acts on a change application under RCW 90.03.380.” PUD No. 1 of Pend Oreille County v. Dep’t of Ecology, 70372-8 (2002). By extension, neither does the Water Board have authority to apply a public interest test when evaluating a change in water right request under RCW 90.03.380. This Court decision involved a surface water right.

To the extent review of public interest is applicable, the Water Board finds that the application for change is consistent with groundwater code provisions (RCW 90.44), and public policy objectives of the state to: identify existing water supplies, provide for beneficial water use, avoid impairment issues, and provide for efficient use of water resources. The existing/future water use also is consistent with land use provisions as determined by EFSEC.

The Benton/Yakima County Commissions raised concerns regarding negative impacts to existing farmland.

Tentative Determination:

In order to make a water right change decision, the Water Board must make a tentative determination on the extent and validity of the right. The Water Board has made the tentative determination as displayed in the first section of this report. There are several circumstances that can cause the Board’s tentative determination to differ from the stated extent of the water right within water right documentation. Water right documents attempt to define a maximum limitation to a water right, rather than the actual extent to which a water right has been developed and maintained through historic beneficial use. Additionally, except for a sufficient cause pursuant to RCW 90.14.140, water rights, in whole or in part, not put to a beneficial use for five consecutive years since 1967 may be subject to relinquishment under Chapter 90.14.130 through 90.14.180 RCW. Some water rights may additionally be lost through abandonment; or some rights may be subject to special management area provisions. The Board’s tentative determination was based upon the following findings.

Water Right Review and History:

First, the water right applicant/owner holds a valid water right certificate, in good standing, as regulated by Ecology, and is on file with the WADOE. The Water Board/Ecology have approved previous change/transfer decisions in this general HHH area.

Water right use/need has been varied per the applicant’s demand estimates

Second, under the change request, the total amount of water withdrawal from the existing right and proposed change cannot exceed the amount previously used; more specifically, the portion of the right that has been put to actual beneficial use or is statutorily protected from relinquishment. The change/transfer request must not

exceed the existing water right limits; no enlargement of the right is allowed. The Water Board's determination conforms with this requirement.

Extent and Validity Analysis, ACQ Analysis and Beneficial Use Review:

The Water Board concurs with the DNR and their consultant that existing groundwater source irrigation activity on the site has diminished in past years, and about 125.5 acres would not be subject to nonuse (de facto relinquishment) per RCW 90.14.140 provisions (and Trusting Program donation). The 125.5 acres are the subject of the water right change request for a new point of withdrawal, change in location, and purposes of use, requiring an annual consumptive quantity (ACQ) analyses per RCW 90.03.380.

Data, Information, and Methodology:

1. The Water Board has reviewed the relevant water right data surrounding this change/transfer, including previous water use estimates, the applicant's land use data and leasing information, mapping, the consultant's ACQ analysis report, and arial photo information from Google Earth Pro.
2. The Water Board has multi-decadal experience in reviewing ACQ and extent and validity factors for water rights in Benton County and elsewhere.
3. The Water Board has reviewed the annual water use estimates provided by DNR for irrigated agriculture crops, consistent with RCW 90.03.380 requirements; and the water use application and efficiency estimates provided by AgWeatherNet at <https://weather.wsu.edu/?p=97750>, Horrigan weather station site (near existing project), and the Benton-Franklin Water Conservancy Boards' ACQ Methodology for calculating water use efficiencies and total consumptive use, including 90% applied efficiencies for low pressure center pivot applications (CSRIA.org). The total allowed water right use estimate for C/T is 502 acre-ft.
4. The Water Board has reviewed relinquishment (or de facto relinquishment factors) for this change/transfer action.
5. The Water Board has taken into account future water use estimates provided by the applicant and associated with similar types of construction-energy projects in the region.

ACQ Analysis/Determination:

6. The estimated allowed water use is based on 125.5 existing irrigated acres (Trust-pre-Trust period), per DNR and consultant estimates, and available arial imagery review (Gogle Earth Pro), for the most recent period of continuous use, 2017-2021 (see application attachments and supplemental information).
7. The 2017-2021 water use data confirm a two-year, peak-year average over five years, 2019-2020, of about 4 acre-ft./acre, for irrigating alfalfa. The AgWeatherNet data for the Horrigan Site and Water Conservancy Board efficiencies (CSRIA.org) are equal to or exceed the allowed use of the existing certificate (4 acre-ft./acre). The total allowed use for C/T is about 502 acre-ft.
8. This consumptive use estimate is consistent with the requirements of RCW 90.08.380, where only consumptive use estimates (not return flows) are available for change/transfer (ET and applied efficiencies) for water spreading type actions. The Water Board methodology has been applied to numerous C/Ts.
9. Under the first phase, 3-year period, 280.8 acre-ft. could be allocated to 70.2 irrigated acres. Additional allocations can be made for industrial construction use (184 acre-ft.) and industrial use with the project fully developed (12 acre-ft.). With the project fully developed, the total allowed irrigation use would be 490 acre-ft., for 122.5 acres; and industrial use of about 12 acre-ft.

10. The allowed gpm quantity (1,955 gpm) under the existing certificate for irrigation is about 7.5 gpm per acre (260.7 acres). If applied to 122.5 acres, the gpm estimate would be reduced to about 918.8 gpm, for continued irrigation. The applicant has further requested another 300 gpm for use during the construction phase (all industrial use) and 150 gpm after the construction phase.
11. As noted above, future use will be staged between the construction and completion periods, varying use given the size/timing of the project, but the final allowed use cannot exceed 502 acre-ft., for: 122.5 irrigated acres, 490 acre-ft., 918.8 gpm; and 12 acre-ft., 150 gpm, industrial use.
12. The Water Board notes that a small portion of the existing right (12 acre-ft.) will change from seasonal irrigation to year-round use. This level of change is viewed as imperceptible to the status/conditions of the groundwater source and will have no impairment complications.
13. Since 2022, the DNR has available surface water for their HHH irrigation projects. This water, under permit, could be used to irrigate the property previously served by the groundwater right—a form of serial perfection.

Tentative Determination Finding:

Based on the above information and analyses (and application attachments/references), the Water Board has determined that the full amount of the said water right for change/transfer is presented within the above “Board Decision” summary, and should be the amount not exceeded by the applicant for final certification, as issued by WADOE. This amount is in full consideration of and compliance with RCW 90.03.380 and 90.14.140(2)(d), and other portions of the water code, and takes into account the new point of withdrawal.

Hydrologic, and Other Technical Investigations:

The change/transfer relies on withdrawing water from the same body of groundwater (management area) as the existing points of withdrawal for this portion of the HHH area. Review of the pertinent well logs and analysis by the applicant’s technical consultant communications/report confirms this conclusion (see attached application report). The added POW also has been discussed with CRO-Ecology staff.

The Water Board has reviewed the hydraulic continuity/impairment features for the new well (see attached report); and concludes that active well use will not create any impairment observations.

Review of Potential Impairment:

Given the limited changes to the water rights, and existing POW, the Water Board determines that this change/transfer request will not create impairment (see attached reports). The Water Board makes this determination, with certainty, given the proposed operations at the new withdrawal site, and a detailed review of other factors affecting the change/transfer request. These factors have been discussed with the applicant’s technical consultant (see attached report).

Further, the Water Board notes:

- 1) For this immediate area, no record/affirmation of impairment has been noted by the Water Board or Ecology.
- 2) The Water Board has reviewed with the applicant, in detail, potential impairment issues for the applicant’s change request. This review indicates that the change action will not impair other water rights.

3) Based on the public notice of this change request, the Water Board has received no impairment issue comments from other existing water right holders, including those who withdraw/divert water from nearby sites.

4) The change will not increase water use relative to the existing allowed use, create impairment, or detrimental environmental impacts.

Given the above review, the Water Board concludes that the proposed action will not create impairment to other water rights and the conditions provided within this ROE/ROD.

Because the proposed action will not increase the existing allowed water use (with change modifications) or increase the water amount put to allowed beneficial use, or likely affect other existing water rights (or applications for new water rights), no impairment is perceptible. The applicant's technical information has been reviewed regarding water use within the same body of water for management purposes and potential impairment.

The proposed change/transfer will be beneficial in the conservation and management of water resources from existing practices for the following reasons: 1) there will be no increase in withdrawal/diversion on an annual basis after the change/transfer, compared to existing allowed operations; and 2) controls and monitoring on the quantity of water pumped will help ensure that the authorized quantity is not exceeded, as required under water use estimates and metering provisions.

The Water Board has published public notice of the proposed action and reviewed any potential technical issues concerning impairment.

Existing water rights located within the nearby area--within the same sections/T-R and adjacent sections--were noted according to information contained within the WADOE E-data base system and visual inspection, and ongoing Water Board review within this area (also see attached technical report).

Water Right Adjudication Process:

Water right adjudication does not affect the application.

DECISION CONCLUSIONS:

Tentative Determination-Extent and Validity:

1. The allowed right use is verified; the extent and validity, and ACQ, analysis has been reviewed by the Water Board. The right is being used consistently with Ecology authorization.
2. The proposed change/transfer will result in no increase in the annual quantity of water authorized and is consistent with the requirements of RCW 90.03.380 and 90.14.140 (relinquishment), and other provisions of the groundwater water code. The change/transfer request will not increase the allowed water right; the change/transfer will not increase allowed consumptive use from the designated source.
3. There will be no increase in water withdrawal on an annual basis. In addition, continued monitoring of the quantity of water pumped will help ensure that allowed water withdrawals are not exceeded, for the changes requested.

Relinquishment or Abandonment Concerns:

4. The Water Board's review per this ROE/ROD indicates relinquishment of about 138 acres due to non-use, per RCW 90.14.140.

Hydraulic Analysis:

5. Per the above cited information and attachments (technical reports), the Water Board concludes that the change/transfer will be implemented in the same body of water for management purposes.

Impairment:

6. The Water Board determines that impairment is not an issue affecting this change request; the change is within the same body of water for management purposes; the proposed action creates no impairments to other water right holders or permit applicants; adequate data and information exists to make this determination with confidence.

Consideration of Comments/Protests:

7. Public notice has been provided for the proposed action, and any public concerns have been reviewed by the Water Board. Public notice and application submittal have been forwarded to several state resource agencies/tribes/interested parties for comment; the agencies have provided direct comments to the application. The comments discussed above, indicate opposition to the project. These comments have been discussed with the parties and Ecology staff; nevertheless the Water Board concludes that the C/T is consistent with state water law and the SEPA practices adhered to by EFSEC.

SEPA and FFA Review:

8. The Water Board has reviewed the proposed project for SEPA (noted above) and FFA (non-FFA water right) compliance.

Public Interest:

9. Per EFSEC qualifications, the proposed action supports the public interest concerned with the direct use of water rights, is consistent with allowed beneficial uses, and is consistent with local area/regional economic development needs (farm support and construction features) and the land use practices reviewed by EFSEC. The Water Board also took into consideration any potential conflicts with environmental justice principles, strictly relative to water use and water law. Even so, the Water Board has noted that the County Commissions and the Yakama Nation may assert that the project conflicts with some aspects of the local public interest and environmental justice principles directly affecting Tribal values.
10. The proposed action is consistent with the intent of RCW 90.03.380, 90.14.140, 90.80, and recent case reviews by the Washington State Supreme Court.
11. The Water Board has provided for specific conditions and provisions affecting the use of the water rights, as identified below. The Water Board's decision is contained in the Water Board Decision table above.

PROVISIONS

Conditions and Limitations:

1. The point of diversion/withdrawal, place(s) of use, purpose of use, and period of use for the water right are designated in the summary table above (under Water Board Decision table).

2. Per issued superseding certificate, for the subject water right, water withdrawals shall not exceed the total instantaneous and volume use, periods of use, and site area designated above under Water Board Decision table.
3. Use of water under this authorization shall be contingent upon the water right holder's utilization of up-to-date water conservation practices.
4. An approved measuring device(s) must be installed and maintained for the sources (all points of withdrawal/diversion) identified herein in accordance with the rule "Requirements for Measuring and Reporting Water Use," WAC 173-173, describing the requirements for data accuracy, device installation and operation, and information reporting. It also allows a water user to petition Ecology for modifications to some of the requirements. Installation, operation and maintenance requirements are enclosed or available from Ecology as a document entitled "Water Measurement Device Installation and Operation Requirements."
5. Water use will be measured and recorded for water supply use. Water use data shall be recorded weekly and shall be submitted annually to Ecology by January 31st of each calendar year (along with WA State Dept. of Health metering requirements). At a minimum, the following information shall be included with each submittal of water use data: owner, contact name if different, mailing address, daytime phone number, WRIA, Permit or Certificate No., source name, annual quantity used including units, maximum rate of diversion including units, period of use, weekly meter readings including units, and peak flow including units for each month. In the future, Ecology may require additional parameters to be reported or more frequent reporting. Recorded water use data shall be submitted via internet. To set up an internet reporting account, contact the Central Regional Office. If you do not have internet access, you can still submit hard copies by contacting the Central Region Office for forms to submit your water use data.
6. All water wells constructed within the state shall meet the "minimum Standards for Construction and maintenance of wells, as provided under RCW 18.104 (Washington Water Well Construction Act of 1971) and Chapter 173-160 WAC Minimum Standards for Construction and Maintenance of Water Wells. Installation and maintenance of an access port as described in Groundwater Bulletin No.1 is required, per WAC 173-160-291(3). In general wells shall be located at least 100 feet from source contamination and at least 1,000 feet of the boundary of a solid waste landfill. Any well that is unusable, abandoned, or is an environmental, safety, or public hazard shall be decommissioned. In addition to the required access port, the applicant shall install and maintain, in operating condition, an airline And pressure gauge. The pressure gage shall be equipped with a standard tire valve and placed in a location accessible to Dept. of Ecology personnel. The airline shall extend from the land surface to the top of the pump bowls and the total airline length shall be reported to the Dept. of Ecology upon completion of the pumping system.
7. Ecology staff may require specific drilling parameters for the well; and will perform a site inspection for the new well when construction phase is completed.
8. Department of Ecology personnel, upon presentation of proper credentials and prior notification, shall have access at reasonable times, to project location, and to inspect at reasonable times, records of water use, wells, diversions, measuring devices and associated distribution systems for compliance with the law.

Mitigation:

9. None is required for the C/T water use.

Construction Schedule:

10. By January 1, 2028, the applicant will notify the Water Resources Program, Eastern Region Office, WADOE, that project construction is completed, unless further extended for good cause.
11. By January 1, 2030, proof of appropriation (for actual beneficial use of water) will be provided to the Water Resources Program, Eastern Region Office, WADOE, unless further extended for good cause.

DECISION APPROVALS

Approvals:

The conclusions in this Report of Examination were authored/developed by Water Board members and staff, with the applicant or applicant's representative providing support information as requested.

The undersigned Water Board Commissioner certifies that he/she understands the Board is responsible to ensure that all relevant issues identified during its evaluation of the application, or which are raised by any commenting party during the Board's evaluation process, are thoroughly evaluated and discussed in the Board's deliberations. The Report of Examination documents all factors reviewed and considered by the Water Board. The undersigned therefore, certifies that he/she, having reviewed the report of examination, knows and understands the content of this Report of Examination and concurs with the ROE's conclusions.

The Benton County Water Conservancy Board hereby APPROVES the water right change/transfer described within this record of examination and record of decision, and submits this certificate for conditional approval to the Director of the Washington State Department of Ecology. If the Director takes no action within forty-five days of receipt of this ROE/ROD, then the Water Board's decision, as written, is final.

Approved Unanimously by the BCWCB
Kennewick, Washington

This 12th day of July 2024

Approved and Signed on Behalf of the Water Board by:

Signed:

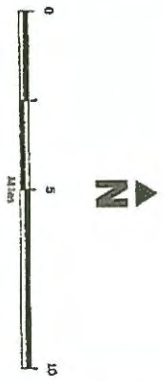
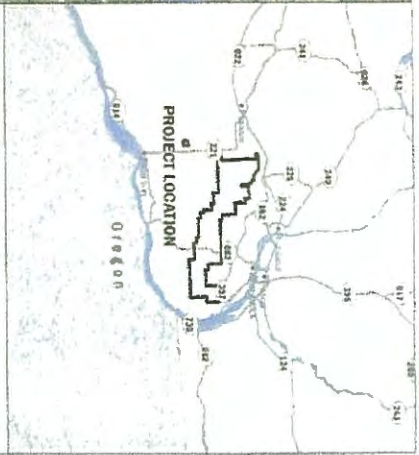
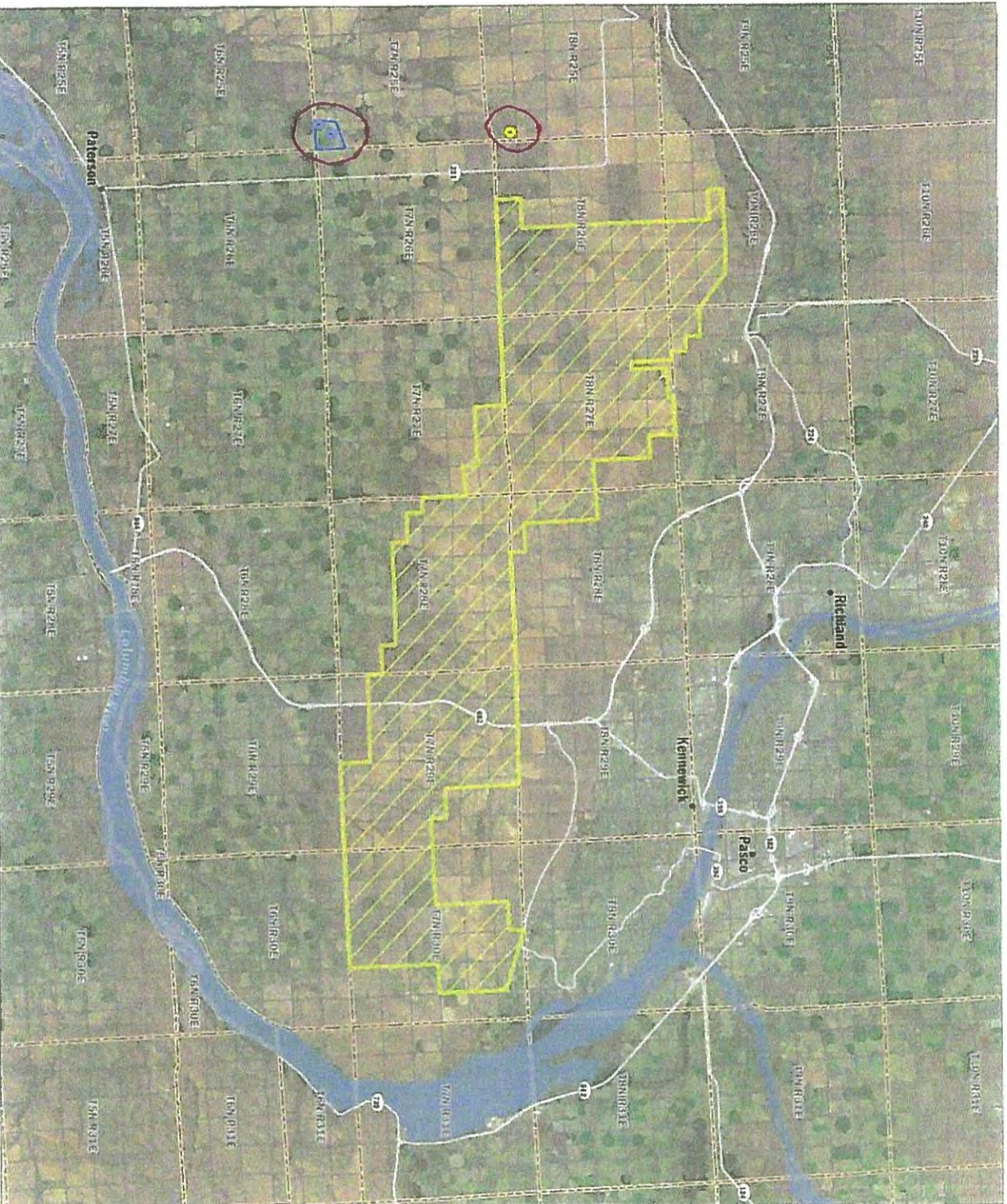








Darryll Olsen, Ph.D., Chairman
Benton County Water Conservancy Board
Date Mailed to WADOE Director/Representative: on or before July 29, 2024

Supplemental Attachments and Selected Application Materials*

- 1) General Site Map/Certificate
- 2) Legal Notices
- 3) Trust Water Right and ACQ Information
- 4) General Project Description

*Complete Application Materials Already Submitted to Ecology.



-  Authorized Point of Withdrawal
-  Proposed Point of Withdrawal
-  Authorized Place of Use
-  Proposed Place of Use
-  Township/Range
-  Section

Notes:
 - Features are approximate
 - Aerial image sourced from Google Earth Pro

Water Right Application Horse Heaven Wind Farm Richland, WA	
Aspect Date: MAY-2023 Time: 11:00 AM	Page: 1 of 1 Scale: 1:100,000 Projection: NAD 83 / UTM Zone: 12N

file

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

CERTIFICATE OF WATER RIGHT

- ☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- ☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
December 26, 1973	G3-22306	G3-22306P	G3-22306C

NAME

STATE OF WASHINGTON - DEPARTMENT OF NATURAL RESOURCES

ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
201 John A. Cherberg Bldg. OW-21	Olympia	Washington	98504

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown, but is limited to an amount actually beneficially used.

PUBLIC WATER TO BE APPROPRIATED

SOURCE

2 wells

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-Feet PER YEAR
	1955	1043

QUANTITY, TYPE OF USE, PERIOD OF USE

1043 acre-feet per year for the irrigation of 260.7 acres during irrigation season.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL

No. 1 600 feet east and 150 feet north from the southwest corner of Section 36.

No. 2 500 feet west and 990 feet north from the center of Section 36.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE (E. OR W.) W.M.	W.R.T.A.	COUNTY
#1: S1-S18-S18 #2: E3-E18-N18	36	7	25 E.	31	Benton

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
-----	-------	------------------------------------

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

All of Section 36, T. 7 N., R. 25 E.W.M.

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in RCW 90.03.380, 90.03.390, and 90.44.020.

This certificate of water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at Yakima Washington, this 29th day of December, 1988.

Department of Ecology

ENGINEERING DATA

OK *[Signature]*

HP:vaw

by *[Signature]*
DOUG CLAUSING, SECTION SUPERVISOR

FOR COUNTY USE ONLY



The Beaufort Gazette
The Belleville News-Democrat
Bellingham Herald
Centre Daily Times
Sun Herald
Idaho Statesman
Bradenton Herald
The Charlotte Observer
The State
Ledger-Enquirer

Durham | The Herald-Sun
Fort Worth Star-Telegram
The Fresno Bee
The Island Packet
The Kansas City Star
Lexington Herald-Leader
The Telegraph - Macon
Merced Sun-Star
Miami Herald
El Nuevo Herald

The Modesto Bee
The Sun News - Myrtle Beach
Raleigh News & Observer
Rock Hill | The Herald
The Sacramento Bee
San Luis Obispo Tribune
Tacoma | The News Tribune
Tri-City Herald
The Wichita Eagle
The Olympian

AFFIDAVIT OF PUBLICATION

Account #	Order Number	Identification	Order PO	Amount	Cols	Depth
32793	518753	Print Legal Ad-IPL01589520 - IPL0158952	Public Hearing	\$567.65	2	56 L

Attention: Darrel Olsen

BENTON COUNTY WATER CONSERVANCY BOARD
3030 W CLEARWATER AVE
SUITE 205-A
KENNEWICK, WA 99336
dolsenecon@aol.com

BENTON COUNTY WATER CONSERVANCY BOARD WATER RIGHT CHANGE/TRANSFER

Public Notice is hereby given that the BCWCB is reviewing (accepted) applications for water right change/transfers, for water rights listed below. The application(s) have been reviewed by the Board for acceptance, per additional technical information received from the applicant. The next BCWCB business meeting is on March 7, 2024, at 4:00 p.m., at the office of Pacific NW Project, 3030 W. Clearwater, Ste 205-A, Kennewick, WA (509-783-1623). A public hearing is offered upon request, for the application below; and interested parties may request to join the BCWCB meetings by requesting a telephonic call-in number, meeting code.

Application Amended by: Horse Heaven Hills Wind Farm, LLC, 5775 Flatiron Parkway, Suite 120, Boulder, Colorado, 80301 (%Dave Kobus, dave@scoutenergy.com). Water Right held by WA State Dept. of Natural Resources, MS 47000, Olympia, WA 98504. Change to G3-22306CWRIS, BENT-24-01, priority date of December 26, 1973; authorizing 1,955 gpm, 1,043 acre-ft., for irrigation of 260.7 acres, irrigation season; the existing points of withdrawal all within No.1 SW1/4 of SW1/4, No.2 SE1/4 of NW1/4, all within Section 36, T.7N, R.25 EWM; and the existing place of use is all within Section 36, T.7N, R.25 EWM. Proposed change is for up to 1,955 gpm, 1,031 acre-ft., 260.7 irrigated acres (seasonal irrigation); temporary (3-years) industrial-construction-dust control use, non-additive 450 gpm, 184 acre-ft., year-round use; non-additive industrial use, 450 gpm, 12 acre-ft., year-round use. All uses will not exceed authorized or ACO estimates, with phased development schedule for temporary vs long-term use.

Proposed point of withdrawal all within NW1/4 of NE1/4, Section 36, T.8N, R.25 EWM. Proposed place of use covers multiple sections all or portions within T.9N, R.26 EWM and T.9N, R.27 EWM and T.8N, R.25 EWM and T.8N, R. 26 EWM and T.8N, R.27 EWM and T.7N, R.26 EWM and T.7N, R.27 EWM and T.8N, R.28 EWM and T.7N, R.28 EWM and T.7N, R.29 EWM and T.7N, R.30 EWM and T.6N, R.30 EWM and T.6N, R.31 EWM. NOTE: the detailed site location map/table for all sections and parcels is available upon request from the BCWCB, 509-783-1623.

Additional water right information also is available upon request. Per WAC 173-153-080 administrative rule for public notice information, interested parties are hereby directed to request the actual application documentation, and the detailed legal descriptions therein, from the BCWCB, 509-783-1623.

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IPL0158952
Feb 11, 18 2024

COUNTY OF BENTON)

SS

STATE OF WASHINGTON)

Stefani Beard, being duly sworn, deposes and says, I am the Legals Clerk of The Tri-City Herald, a daily newspaper. That said newspaper is a local newspaper and has been approved as a legal newspaper by order of the superior court in the county in which it is published and it is now and has been for more than six months prior to the date of the publications hereinafter referred to, published continually as a daily newspaper in Benton County, Washington. That the attached is a true copy as it was printed in the regular and entire issue of the Tri-City Herald and not in a supplement thereof, ran 2 time (s) commencing on 02/11/2024, and ending on 02/18/2024 and that said newspaper was regularly distributed to its subscribers during all of this period.

2 insertion(s) published on:

02/11/24, 02/18/24

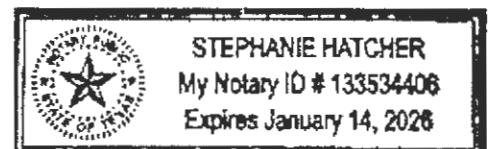
Stefani Beard

(Signature of Legals Clerk)

Sworn to and subscribed before me this 21th day
of February in the year of 2024

Stephanie Hatcher

Notary Public in and for the state of Texas, residing in
Dallas County



Extra charge for lost or duplicate affidavits.
Legal document please do not destroy!



The Beaufort Gazette
The Belleville News-Democrat
Bellingham Herald
Centre Daily Times
Sun Herald
Idaho Statesman
Bradenton Herald
The Charlotte Observer
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Ledger-Enquirer

Durham | The Herald-Sun
Fort Worth Star-Telegram
The Fresno Bee
The Island Packet
The Kansas City Star
Lexington Herald-Leader
The Telegraph - Macon
Merced Sun-Star
Miami Herald
El Nuevo Herald

The Modesto Bee
The Sun News - Myrtle Beach
Raleigh News & Observer
Rock Hill | The Herald
The Sacramento Bee
San Luis Obispo Tribune
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The Wichita Eagle
The Olympian

AFFIDAVIT OF PUBLICATION

Account #	Order Number	Identification	Order PO	Amount	Cols	Depth
32793	511432	Print Legal Ad-IPL01561480 - IPL0156148		\$548.31	2	54 L

Attention: Darrel Olsen

BENTON COUNTY WATER CONSERVANCY BOARD
3030 W CLEARWATER AVE
SUITE 205-A
KENNEWICK, WA 99336
dolsenecon@aol.com

BENTON COUNTY WATER CONSERVANCY BOARD WATER RIGHT CHANGE/TRANSFER

Public Notice is hereby given that the BCWCB is reviewing (accepted) applications for water right change/transfers, for water rights listed below. The application(s) have been reviewed by the Board for acceptance, per additional technical information received from the applicant. The next BCWCB business meeting is on January 31, 2024, at 4:00 p.m., at the office of Pacific NW Project, 3030 W. Clearwater, Ste 205-A, Kennewick, WA (509-783-1623). A public hearing is offered upon request, for the application below; and interested parties may request to join the BCWCB meetings by requesting a telephonic call-in number, meeting code.

Application submitted by: Horse Heaven Hills Wind Farm, LLC, 5775 Flatiron Parkway, Suite 120, Boulder, Colorado, 80301 (%Dave Kobus, dave@scoutenergy.com). Water Right held by WA State Dept. of Natural Resources, MS 47000, Olympia, WA 98504. Change to G3-+22306CWRIS, BENT-24-01, priority

date of December 26, 1973; authorizing 1,955 gpm, 1,043 acre-ft., for irrigation of 260.7 acres, irrigation season; the existing points of withdrawal all within No.1 SW1/4 of SW1/4, No.2 SE1/4 of NW1/4, all within Section 36, T.7N, R.25 EWM; and the existing place of use is all within Section 36, T.7N, R.25 EWM. Proposed change is for up to 1,805 gpm, 1,031 acre-ft., 260.7 irrigated acres (seasonal irrigation); temporary (3-years) industrial-construction-dust control use, 150 gpm, 184 acre-ft., year-round use; Industrial use, 150 gpm, 12 acre-ft., year-round use. All uses will not exceed authorized or ACQ estimates, with phased development schedule for temporary vs long-term use.

Proposed point of withdrawal all within NW1/4 of NE1/4, Section 36, T.8N, R.25 EWM. Proposed place of use covers multiple sections all or portions within T.8N, R. 26 EWM and T.8N, R.27 EWM and T.7N, R.27 EWM and T.8N, R.28 EWM and T.7N, R.28 EWM and T.7N, R.29 EWM and T.7N, R.30 EWM. NOTE: the detailed site location map/table for all sections and parcels is available upon request from the BCWCB, 509-783-1623.

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IPL0156148
Jan 21, 28 2024

COUNTY OF BENTON)

SS

STATE OF WASHINGTON)

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2 insertion(s) published on:

01/21/24, 01/28/24

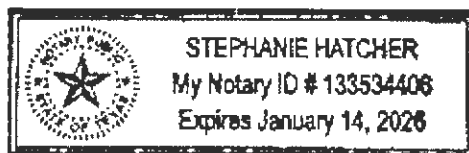
Stefani Beard

(Signature of Legals Clerk)

Sworn to and subscribed before me this 31st day of January in the year of 2024

Stephanie Hatcher

Notary Public in and for the state of Texas, residing in Dallas County



Extra charge for lost or duplicate affidavits.
Legal document please do not destroy!

THANK YOU for your legal submission!

Your legal has been submitted for publication. Below is a confirmation of your legal placement. You will also receive an email confirmation.

ORDER DETAILS**Order Number:**

IPL0158952

Order Status:

Submitted

Classification:

Legals & Public Notices

Package:

TRI - Legal Ads

Final Cost:

\$567.65

Payment Type:

Account Billed

User ID:

IPL0023488

ACCOUNT INFORMATION

BENTON COUNTY WATER CONSERVANCY BOARD
IP

3030 W CLEARWATER AVE SUITE 205-A

KENNEWICK, WA 99336

509-783-1623

dolsenecon@aol.com

BENTON COUNTY WATER CONSERVANCY BOARD

TRANSACTION REPORT**Date**

February 7, 2024 12:57:49 PM EST

Amount:

\$567.65

SCHEDULE FOR AD NUMBER IPL01589520

February 11, 2024

Tri-City Herald Print

February 18, 2024

Tri-City Herald Print

PREVIEW FOR AD NUMBER IPL01589520**BENTON COUNTY WATER CONSERVANCY BOARD
WATER RIGHT CHANGE/TRANSFER**

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W00000000

Publication Dates

[<< Click here to print a printer friendly version >>](#)

2/5/2024

For Publication and Distribution

**BENTON COUNTY WATER CONSERVANCY BOARD
WATER RIGHT CHANGE/TRANSFER**

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Note to publisher: Publish 2 times, once each week, for two weeks.

7/12/24, 10:54 AM

Subject: **RE: Benton Board changes**
Date: 7/12/2024 10:54:33 AM Pacific Daylight Time
From: Dan.Haller@aspectconsulting.com
To: dolsenecon@aol.com

Record/Document Number	CG3-22306C	Phase	Trust Water Temporary Donation	Priorit
Application Number		Stage	Donation Accepted	WRIA
Permit Number		Status	Active	Count
Certificate Number	G3+ 22306 C	WR Class	Groundwater	Regioi
Consrv Bd Number				
WR Doc ID	6805136			

Persons or Organizations

[Click to Show Contacts](#)

Last or Organization Name	First Name	MI	Role	Address
WA DNR			Primary	713 E Bowers Rd, Ellensburg WA

Phase Quantities

Phase	Qi	Units	Qa	Irr Acres
Trust Water Temporary Donation	1955	GPM	409	260.7

Assignment Groups

Assignment Group
TW Acquisition - Temporary Don

Provisions

No provis

Purposes of Use

Basic Information Additional Information

Purpose	From	To	Qi	Units	Use Type	Qa	
Groundwater Preservation			1955	GPM	Primary	409	Prim

Sources

Basic Information Additional Information Latitude/Longitude Information

Device Type	Source Name	Common Name	Tributary To	WRIA	County
Well	Groundwater	WELL		31	Benton
Well	Groundwater	WELL		31	Benton

Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607
Aspect Consulting (A Geosyntec Company) | 1106 N 35th Ave, Yakima, WA 98902 | aspectconsulting.com , geosyntec.com

This email is intended solely for the addressee(s) and may contain confidential or legally privileged information. If you are not the intended recipient, please immediately alert the sender by reply email and delete this message and any attachments without storing, copying, distributing, or using the contents.

From: Dan Haller
Sent: Friday, July 12, 2024 10:53 AM
To: 'dolsenecon@aol.com' <dolsenecon@aol.com>
Subject: RE: Benton Board changes



**DEPARTMENT OF
NATURAL RESOURCES**

SOUTHEAST REGION
713 BOWERS ROAD
ELLENSBURG, WA 98926

509-925-8510
TRS 711
SOUTHEAST.REGION@DNR.WA.GOV
WWW.DNR.WA.GOV

Department of Ecology
Central Region
1250 W Alder St
Union Gap, WA 98903-0009

Subject: Trust Water Right Donation for G3-+22306CWRIS

Dear Department of Ecology:

The Washington State Department of Natural Resources (DNR) would like to temporarily donate the full amount of water right G3-+22306CWRIS for instream flow purposes. The place of use starting in 2022 is now irrigated with surface water right S4-25639(A). We request the temporary donation for 10 years while strategies are developed to move this water right to other DNR lands. Please find the donation form attached.

For any additional information or questions, please contact Christina Frantz at 509-899-7932 or christina.frantz@dnr.wa.gov.

Thank you for your consideration.

Sincerely,

Christina Frantz

Christina Frantz
Product Sales and Leasing Division
Washington State Department of Natural Resources

Enclosures (2)

C: Kari Fagerness, Assistant Division Manager
File: 78-000628



WATER RESOURCES PROGRAM

Temporary Donation to the Trust Water Rights Program

Water Right Information

WATER RIGHT CERTIFICATE OR CLAIM NUMBER G3-+22306CWRIS		NAME(S) ON WATER RIGHT OR CLAIM State of Washington Department of Natural Resources	
WATER RIGHT OWNER OR LEGAL REPRESENTATIVE Washington Department of Natural Resources		PHONE NO. 509-899-7932	ALT PHONE NO.
ADDRESS 713 Bowers Rd			
CITY Ellensburg		STATE WA	ZIP CODE 98926
EMAIL ADDRESS christina.frantz@dnr.wa.gov			
CONTACT (if different than owner)			
PHONE NO.		EMAIL ADDRESS	

Temporary Donation Agreement

The water right owner or legal representative ("Donor") agrees to temporarily donate water quantities ("donated quantities") associated with the water right identified above, to the Washington Department of Ecology (Ecology) to be held in the Trust Water Rights Program.

Donated Quantities

All ☒ or a portion ☐ of the Water Right Certificate or Claim to be temporarily donated

Instantaneous Quantity: cfs OR **1955** gpm

Annual Volume: **409** acre-feet per year

Description of how water will be made available for temporary donation (e.g., non-use, change in use practices): **non-use**

The Donor attests that the donated quantities have been diverted or withdrawn and put to beneficial use. The Donor attests that the donated quantities, in addition to any portion of the water right retained for use, do not exceed the Donor's highest use within the last five years, unless:

- A qualifying [exemption to relinquishment](#) applies in the last five years, and the Donor attests that the donated quantities and any retained use do not exceed the highest use in the five years preceding the qualifying exemption (RCW 90.14.140(1)); OR
- The right or claim is for municipal or hydropower purposes, and the Donor attests that the donated quantities and any retained use do not exceed historical beneficial use ([RCW 90.14.140\(2\)\(a\) or \(d\)](#)).

Location

The Donor owns or represents the following parcels that are associated with the donated quantities:

QTR QTR	QTR	SEC	TWP	RGE	COUNTY	PARCEL No(s).
		36	7N	25E	Benton	13675000000000
LEGAL DESCRIPTION: All of Section 36, T07N, R25E						

Duration of Temporary Donation

The Donor agrees not to divert or withdraw the donated quantities until the term expires. The temporary donation term will begin on the day Ecology's acceptance email is sent to the Donor, and expires on the date provided below. When the temporary donation expires, the donated quantities revert back to the Donor.

End Date

3/1/2033

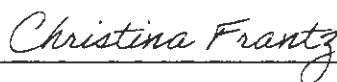
Terms and Conditions

- The donated quantities are not subject to relinquishment while accepted in the Trust Water Rights Program.
- Ecology's acceptance of the temporarily donated quantities is not a validation or quantification of the water right. Any relinquishment or non-use of the water right that may have occurred prior to this temporary donation cannot be reversed, or addressed in any way through this Agreement.
- During the term of this temporary donation, the donated quantities will be used to support instream flows and groundwater preservation only; they cannot be used to mitigate other water uses.
- The Donor agrees to provide proof of beneficial use prior to the donation if requested by Ecology (RCW 90.42.080).
- If the Donor sells or leases the water right or portion of the right that has been temporarily donated, the donor must notify the buyer or lessor of the temporary donation.
- This Agreement will be considered fully executed, and the temporary donation considered accepted into the Trust Water Rights Program, only if the Donor receives confirmation of Ecology's acceptance by email or letter.

Signatures

I, the Donor, agree to the terms and conditions herein and certify that the information above is true and accurate to the best of my knowledge. I understand that all responsibility for the accuracy of the information rests with me.

Christina Frantz Water Resource Program Manager



03/23/2023

Donor Printed Name – Title

Donor Signature

Date (MM/DD/YYYY)

Send your completed form to Ecology

Attach a scanned copy of the completed and signed agreement form in an email and send it to the regional office where your water right is located (see email addresses below). We strongly encourage paperless processing, but if you do not have access to email, mail the form to the appropriate regional office below.

Office Locations and Contact Information

Region/ Office	Counties served	Mailing Address	Phone
Central	Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima	wrCRO@ecy.wa.gov 1250 W Alder St Union Gap, WA 98903-0009	509-575-2490
Office of Columbia River	OCR has jurisdiction for designated OCR projects, and new projects located within one mile of the Columbia River.	wrCRO@ecy.wa.gov 1250 W Alder St Union Gap, WA 98903-0009	509-457-7141
Eastern	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman	wrERO@ecy.wa.gov 4601 N Monroe Spokane, WA 99205-1265	509-329-3400
Northwest	Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom	wrNWRO@ecy.wa.gov PO Box 330316 Shoreline, WA 98133-9716	206-594-0000
Southwest	Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Thurston, Skamania, Wahkiakum	wrSWRO@ecy.wa.gov PO Box 47775 Olympia, WA 98504-7775	360-407-6300



Sawyer, Nisa (ECY)

From: DeJesus, Anthony (ECY)
Sent: Monday, March 27, 2023 8:08 AM
To: Tyler, RYanne (DNR); ECY RE WR CRO
Cc: Frantz, Christina (DNR); Sawyer, Nisa (ECY); Monter, Nikole (ECY)
Subject: RE: Temporary Donation to the Trust Water Rights Program G3-+22306CWRIS
Attachments: G3-+22306CWRIS cover letter_Signed.pdf; G3-+22306CWRIS Trust Donation_Signed.pdf

Good Morning RYanne,

Thank you for submitting your Trust Water Rights application. Once our intake process is complete, and your application is entered into the Water Rights Tracking System, I will be able to process your donation.

Respectfully,

Anthony DeJesus (he/him)

Trust Water Coordinator
Central Regional Office
Water Resource Program
Washington Department of Ecology
(509) 406-4873

From: Tyler, RYanne (DNR) <RYanne.Tyler@dnr.wa.gov>
Sent: Friday, March 24, 2023 9:41 AM
To: ECY RE WR CRO <wrcro@ECY.WA.GOV>
Cc: Frantz, Christina (DNR) <Christina.Frantz@dnr.wa.gov>
Subject: Temporary Donation to the Trust Water Rights Program G3-+22306CWRIS

Good morning,

Please see attached cover letter and trust donation.

Thank you,

RYanne

RYanne Tyler
Water Rights Specialist
Division of Product Sales and Leasing
Washington State Department of Natural Resources
Cell: (509) 899-6688
RYanne.Tyler@dnr.wa.gov

Sawyer, Nisa (ECY)

From: DeJesus, Anthony (ECY)
Sent: Monday, March 27, 2023 8:08 AM
To: Tyler, Ryanne (DNR); ECY RE WR CRO
Cc: Frantz, Christina (DNR); Sawyer, Nisa (ECY); Monter, Nikole (ECY)
Subject: RE: Temporary Donation to the Trust Water Rights Program G3-+22306CWRIS
Attachments: G3-+22306CWRIS cover letter_Signed.pdf; G3-+22306CWRIS Trust Donation_Signed.pdf

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Respectfully,

Anthony DeJesus (he/him)

Trust Water Coordinator
Central Regional Office
Water Resource Program
Washington Department of Ecology
(509) 406-4873

Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607
Aspect Consulting (A Geosyntec Company) | 1106 N 35th Ave, Yakima, WA 98902 | aspectconsulting.com , geosyntec.com

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From: Dan Haller
Sent: Friday, July 12, 2024 10:43 AM
To: dolsenecon@aol.com
Subject: RE: Benton Board changes

See section 6.3

Hi Dan,

Per your request, please see attached documentation of water usage. I cannot seem to find the 2021 Crop Report, however it was irrigated in 2021 with the ground water right G3-22306

year	Crop (Ex: corn, cherries, alfalfa)	Cover
2020	HAY ALFALFA	No
2019	HAY ALFALFA	No
2018	I GRASS SEED	No
2017	I CORN SWEET	No
2016	I CORN SWEET	No
2016	Hay Timothy	No
2015	Hay Timothy	No
2014	Corn Sweet	No
2013	Corn Sweet	No

If you need anything else please let me know.

Christina Frantz

Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607
Aspect Consulting (A Geosyntec Company) | 1106 N 35th Ave, Yakima, WA 98902 | aspectconsulting.com , geosyntec.com

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From: dolsenecon@aol.com <dolsenecon@aol.com>
Sent: Tuesday, June 11, 2024 11:31 AM
To: Dan Haller <Dan.Haller@aspectconsulting.com>
Subject: Re: Benton Board changes

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7/12/24, 10:54 AM

Dan,

Left you a voice mail...

D.O.
BCWCB
509-783-1623

In a message dated 6/10/2024 6:57:01 AM Pacific Daylight Time, Dan.Haller@aspectconsulting.com writes:

Good morning Darryll,

Scout wanted me to check in on the status of their ROE. Please let me know if anything has come up during the ROE drafting. Otherwise, is their a likely Board meeting when this will be decided?

And on Port of Kennewick, I assume the next step there is the site visit. There are 3 properties / sites involved, so once the Board decides on its availability, the Port folks can advise the others to make sure you have access. Thanks, Dan

Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607

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7/12/24, 10:54 AM

Subject: RE: Benton Board changes
Date: 7/12/2024 10:53:31 AM Pacific Daylight Time
From: Dan.Haller@aspectconsulting.com
To: dolsenecon@aol.com

Sawyer, Nisa (ECY)

From: DeJesus, Anthony (ECY)
Sent: Monday, March 27, 2023 8:08 AM
To: Tyler, Ryanne (DNR); ECY RE WR CRO
Cc: Frantz, Christina (DNR); Sawyer, Nisa (ECY); Monter, Nikole (ECY)
Subject: RE: Temporary Donation to the Trust Water Rights Program G3--22306CWRIS
Attachments: G3--22306CWRIS cover letter_Signed.pdf; G3--22306CWRIS Trust Donation_Signed.pdf

Good Morning Ryanne,

Thank you for submitting your Trust Water Rights application. Once our intake process is complete, and your application is entered into the Water Rights Tracking System, I will be able to process your donation.

Respectfully,

Anthony DeJesus (he/him)

Trust Water Coordinator
Central Regional Office
Water Resource Program
Washington Department of Ecology
(509) 406-4873

Dan Haller, PE (WA), CWRE (WA) | Senior Principal Water Resources Engineer | Direct: 509.895.5462 | Cell: 509.952.8607
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7/12/24, 10:47 AM

Subject: RE: Benton Board changes
Date: 7/12/2024 10:42:37 AM Pacific Daylight Time
From: Dan.Haller@aspectconsulting.com
To: dolsenecon@aol.com

See section 6.3

ACQ Information

Hi Dan,

Per your request, please see attached documentation of water usage. I cannot seem to find the 2021 Crop Report, however it was irrigated in 2021 with the ground water right G3-2230E

year	Crop (Ex: corn, cherries, alfalfa)	Cover
2020	HAY ALFALFA	No
2019	HAY ALFALFA	No
2018	I GRASS SEED	No
2017	I CORN SWEET	No
2016	I CORN SWEET	No
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Ecology routinely relies on the Washington Irrigation Guide (WIG) to provide estimates of evapotranspiration (ET) by different crops. ET can be translated to total water use per acre (water duty), by dividing ET by irrigation efficiency. Irrigation efficiency differs according to the type of irrigation system (e.g., wheel line, solid-set, center-pivot), and Ecology has adopted a guidance document (GUID 1210) with efficiency estimates.

Based on the WIG, GUID 1210, and reported crop types (see Appendix H for DNR crop reports from lessee), Table 8.9.2 below summarizes crop water duty information for the crops recently reported irrigated by DNR's lessee. Irrigated Agricultural Lease Reports provided by DNR indicate the crops type historically irrigated are alfalfa, corn, and grass seed. The Prosser, Washington WIG station was selected to represent the crop irrigation requirement in the vicinity of the water right place of use.

Table 8.9.2 Water Use Crop Irrigation Requirement

Crop	Crop Irrigation Requirement (ET) (inches)	Efficiency Range ¹	Total Irrigation Requirement (Water Duty) (ac-ft/acre)
Alfalfa	35.31	70% - 90%	4.20 – 3.27 ✓
Corn	28.14	70% - 90%	3.35 – 2.61
Pasture/Turf	37.29	70% - 90%	4.44 – 3.45

¹ Based on Ecology GUID 1210, center pivot irrigation systems have an application efficiency range of 70 – 90%.

For comparison, the authorized water duty from the Certificate is 4.0 ac-ft/acre (1,043 ac-ft/yr / 260.7 acres). We understand the lessee typically irrigated with spray heads and an end-gun. We selected an overall efficiency of 85% and a %Evap of 10%, for an overall %CU of 95%. This suggests that DNR historically fully utilized the authorized water duty of 4.0 ac-ft/acre when alfalfa and pasture/turf crops were grown under the subject water right, but under more modern center-pivot delivery the water duty is approximately 3.5 ac-ft/acre. Water use in the years when corn was grown may result in slightly less water consumption than the authorized water duty. However, corn is a routine crop rotation and temporarily reduced use from crop rotation is exempt from relinquishment.

Based on the irrigation of 125.5 acres and a water duty of 3.5 ac-ft/acre, annual total water use is calculated to be 439.3 ac-ft/yr.

8.10 Provide aerial photos, remotely sensed images, or other information and explain how they support the historic use.

Based on review of historical imagery, irrigation has remained consistent within the authorized place of use since 1996. The dated aerial photos are contained within Attachment E.

Water Used for Irrigation

8.11 If changing the purpose of use, refer to the Provisions section of your water right document to determine whether the right is subject to the Family Farm Water Act. If so, contact the appropriate Ecology regional office prior to completing this form (refer to map on page 1).

N/A.

8.12	Describe your irrigation scheduling practices (e.g., frequency and duration of irrigation sets). Describe how data from soil moisture probes, weather forecasts, crop inspection, or other irrigation scheduling techniques were used to determine irrigation practices.
------	---

Water is applied to the crops via center-pivot irrigation system. Additional information on the irrigation scheduling practices will be documented in the ROE.

8.13	If adding the irrigation of additional acres or a new purpose of use, provide metering data for the most recent five-year period of continuous use. If metering data are unavailable, provide an estimate of water use for the most recent five-year period of continuous use and describe the methodology for this estimate.
------	--

Ecology interprets the "addition of new uses" under RCW 90.03.380(1) to mean the addition of a previously unauthorized purpose(s) of use, while retaining an existing purpose of use. In accordance with the added use requested in the application, it is required to determine that the annual consumptive quantity (ACQ) under the water right for change will be no greater after the change. The ACQ is defined in statute as the average consumptive use of the highest 2 years over the most recent 5 years of continuous beneficial use.

The appropriate time period of analysis is the 5-year period from 2018 to 2022 (since water was donated to trust in 2023), with the highest two years believed to be consistent with the certificate water duty (2019 and 2020).

Table 8.13.1 Water Use for Two Highest Years

Year	Crops Grown	Acres	Water Duty (ac-ft/acre)	Annual Volume by Year (ac-ft/yr)
2019	Alfalfa	125.5	3.5	439.3
2020	Alfalfa	125.5	3.5	439.3

The ACQ was estimated based on the following assumptions:

- Irrigation of 125.5 acres of alfalfa;
- Certificated water duty of 3.5 ac-ft/acre; and
- Average consumptive percentage of 95% (from GUID 1210 for center-pivots)

Calculations for the consumptive water use are summarized below:

$$\%CU \text{ (per Guidance 1210)} = 95\%$$

$$CU = TIR \times \%CU ; 439.3 \text{ ac-ft/yr} \times 95\% = 417.3 \text{ ac-ft/yr}$$

$$CU/acre = \frac{417.3 \text{ ac-ft}}{125.5 \text{ acres}} = 3.325 \text{ ft/acre}$$

$$\text{Non-Consumptive Use} = TIR - CU ; 439.3 - 417.3 = 22 \text{ ac-ft}$$

During the 3-year construction period when the energy project needs 184 ac-ft (consumptive), the new lessee will be only allowed to develop a total of 70.2 acres assuming the same efficiency.

417.3 ac-ft CU – 184 ac-ft CU = 233.3 ac-ft CU
 233.3 ac-ft CU / 3.325 ac-ft/acre CU = 70.2 acres

After the 3-year period when the energy project only needs 12 ac-ft of consumptive use, the lessee may develop Y acres.

417.3 ac-ft CU – 12 ac-ft CU = 405.3 ac-ft CU
 405.3 ac-ft CU / 3.325 ac-ft/acre CU = 122 acres

8.14 If water has been used from a state or federal water project (contract water) on the historic place of use, explain when and how that contract water was used.

N/A.

9. Hydrogeologic Analysis

9.1 Provide a description of existing authorized points of withdrawal and proposed wells, their locations, well depths, static water levels, pumping rates and schedules, etc.

The Barber Wells are constructed in the SW¼ SW¼ and the SE¼ NW¼ of Section 36, Township 7 North, Range 25 East, Benton County Tax Parcel ID 1-3675-000-0000-000 (see Figure 1; Attachment B). The proposed point of withdrawal (Gould Well) is in the NW¼ NE¼ of Section 36, Township 8 North, Range 25 East, Benton County Tax parcel ID 1-3685-100-0000-000. Tables 9.1.1 and 9.1.2 contain information on the existing and proposed points of withdrawal utilized under this water right.

Table 9.1.1 Point of Withdrawal Construction Information

Well	Well Casing Diameter (inches)	Surface Elevation (feet)	Well Depth (feet)	Bottom of Well Elevation (feet)	Screened / Open Interval (feet)
Barber Well No. 1	8 to 24	732.36	845	-112.64	Uncased from: 268-597; 832-860 Perforated from: 727-737; 802-832
Barber Well No. 2	10 to 18	770	990	-220	Uncased from: 640-990
Proposed (Gould Well)	16	1078	1,340	-262	Uncased from: 787-1340

Notes: Elevations are presented relative to the NAVD88.

Water well reports and construction schematics for each well are included in Attachment C.

January 16, 2024

Benton County Water Conservancy Board
Attention: Dr. Darryll Olsen
3030 W. Clearwater, Suite 205-A
Kennewick, WA 99336

Re: Water Right Change Application CG3-22306@1

Dear Benton County Water Conservancy Board:

This letter requests modification of water right Change Application CG3-22306@1 and provides supplemental information to be considered for the water right record. Change Application CG3-22306@1 was filed by Horse Heaven Wind Farm, LLC on November 6, 2023, and transferred to the Benton County Water Conservancy Board (Board). The submitted application requested to change the point of diversion, period of use, add a purpose of use, and transfer the place of use of a Department of Natural Resources (DNR) water right. The current proposed purpose and period of use in the change application is shown below in Table 1.

Table 1. Proposed Purpose and Period of Use in CG3-22306@1

Purpose of Use	GPM	Ac-Ft/Yr	Period of Use
Irrigation of up to 260.7 acres	1,805 gpm	1,031	Irrigation Season
Industrial, Construction, Dust Abatement	150 gpm	184	Year-Round (For Three Years)
Industrial	150 gpm	12	Year-Round
Not to Exceed	1,955 gpm	1,043	

Notes: gpm = gallons per minute; Ac-Ft/yr = acre-feet per year

Requested Modification of Change Application CG3-22306@1

DNR is requesting that the Board modify Change Application CG3-22306@1 to increase the temporary and perpetual instantaneous rate to 450 gallons per minute (gpm) for industrial, construction, and dust abatement uses. The originally requested instantaneous rate (150 gpm) was calculated over a 12-hour pumping period. This modification is requested to reflect the projected instantaneous water demand during an 8-hour pumping period. Full authorization of the instantaneous rate (1,955 gpm) will not be exceeded, and actual coordination of irrigation and non-irrigation uses will occur between the applicant and the farm when filling events occur. Any surplus water will be used for irrigation purposes.

Modification of the proposed purpose and period of use of the change application is shown in Table 2 below.

Table 2. Modification of Proposed Purpose and Period of Use in CG3-22306@1

Purpose of Use	GPM	Ac-Ft/Yr	Period of Use
Irrigation of up to 260.7 acres	1955 gpm	1,043	Irrigation Season
Industrial, Construction, Dust Abatement (non-additive)	450 gpm	184	Year-Round (For Three Years)
Industrial (non-additive)	450 gpm	12	Year-Round
Not to Exceed	1,955 gpm	1,043	

Notes: gpm = gallons per minute; Ac-Ft/yr = acre-feet per year

Additionally, DNR requests a modification to the proposed place of use. This request is being made to ensure that all land water is to be used on is described on the change application. The proposed place of use is located within the following township and range: T9N, R26E., T9N, R27E., T8N, R25E., T8N, R26E., T8N, R27E., T8N, R28E., T7N, R26E., T7N, R27E., T7N, R28E., T7N, R29E., T7N, R30E., T6N, R30E., and T6N, R31E.

Supplemental Material for Change Application CG3-22306@1

DNR is providing the following supplemental material for the water right file to be considered by the Board:

- ✓ Relinquishment of Annual Quantity. Consistent with the findings of Section 8.1 in the submitted *Change Application Supporting Documentation*, DNR agrees that the extent of irrigation under the water right authorization has been reduced to 125.5 acres. Aerial imagery of the irrigated place of use and agricultural lease reports reveals a reduction in irrigated acreage since the year 1996. The reduction in irrigation creates a relinquishment risk of 134.5 acres, when compared to the full water right authorization.
- ✓ Preservation of Instantaneous Rate. The water right's full authorization of instantaneous rate has been preserved. There has been no modification to the installed pumps despite the reduction in the irrigated acreage. The water right file indicates that the two wells authorized under the water right are equipped with a 500-horsepower, and 350-horsepower vertical turbine pump (see Attachment A). From total head pressure, horsepower, and pump efficiency, the calculated the instantaneous flow rate of each well is 2,246 gpm and 1,572 gpm, respectively. Based on these findings, the full instantaneous rate of the water right should be preserved for peaking under the new proposed uses. This quantity of peaking is also needed for the new purposes.

Coordination for Change Application CG3-22306@1

DNR understands that the permitting process of the change application involves several mandatory steps including conducting a site visit and publishing a legal notice of the application. DNR is available to offer coordination of a site visit to aid in the technical investigation of the existing water right and the proposed changes. The Board may contact DNR with any proposed dates for a site visit if coordination is requested.

Company Name
Month 1, 2013

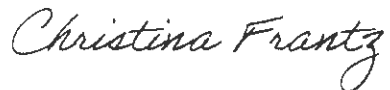
Project No. 123456-78

Additionally, DNR will work with the application to prepare and submit a public notice for the Board's review in accordance with RCW 90.03.280. The public notice will include information as described in WAC 173-153-080.

Please let us know if the Board has any questions or concerns about the proposed amendment request or would like DNR to facilitate coordination of a site visit.

Sincerely,

Department of Natural Resources



Christina Frantz
Water Resources Program Manager
Christina.frantz@dnr.wa.gov

Attachments: Attachment A – Barber Well Pump Information

cc: Dave Kobus, Scout Clean Energy
Dan Haller, Aspect Consulting

S:\Horse Heaven Wind Farm\2023 DNR Water Right Change\Change Application\Transmittal to Board\Modification to Change App\litr_Modification_2024.01.08.docx



ECOLOGY APPLICATION SECTIONS 6-11

Application for Change/Transfer of a Water Right - Form No. ECY 040-1-97 (Rev 01-2020)

6. Project Description

6.1	Provide a brief narrative explaining the general nature and intent of the proposed change(s) to the water right.
<p>The applicant (Horse Heaven Wind Farm) is requesting to change the point of diversion, period of use, add a purpose of use, and transfer the place of use of a Department of Natural Resources (DNR) water right (Certificate G3-+22306CWRIS) located in the Horse Heaven Hills area of Benton County, Washington.</p> <p>This change is requested to supply temporary and perpetual water usage for the construction and operation of the Horse Heaven Clean Energy Center (Energy Center), which will combine wind, solar, and battery storage to produce renewable energy for the region and the State of Washington.</p> <p>DNR holds Groundwater Certificate G3-+22306CWRIS which authorizes 1,955 gallons per minute (gpm) and 1,043 acre-feet/year (ac-ft/yr) for the irrigation of 260.7 acres from two groundwater wells in Section 36, Township 7 North, Range 25 East. This application requests to change the existing authorized points of withdrawal to a different DNR-owned well, "the Gould Well", located approximately 5.5 miles to the north.</p> <p>This change requests to add industrial use to the purpose of use to support the temporary water usage for the Energy Center (concrete mixing, dust suppression, soil compaction, and fire prevention) as well as perpetual water usage for the Energy Center operation (O&M facilities and solar panel washing). Additionally, DNR plans to retain a portion of the irrigation use to utilize this water right to hydrate land surrounding the Gould Well.</p>	
6.2	Are you aware of any compliance/enforcement actions that concern this water right? If so, describe.
No.	
6.3	If this water right has previously been changed, summarize whether the previously authorized changes have been completed.
DNR filed a Temporary Donation to the Trust Water Rights Program on March 23, 2023 for the full amount of water right G3-+22306CWRIS. The donation was recorded under Document Number CG3-22306C.	
6.4	If the water right includes a diversion from a permitted reservoir, list all the associated water rights, the maximum volume of water stored in the reservoir, and the means of withdrawal.
N/A.	

6.5	Attach a copy of any SEPA checklists or environmental analyses related to this project with this application.
------------	--

See Attachment D for SEPA checklist for the project. Additional environmental documents relating to this project are provided in Attachment D and includes: a letter indicating withdrawal of expedited Environmental Impact Statement ("EIS") review, the Energy Facility Site Evaluation Council (EFSEC) SEPA Determination of Significance in a Scoping Notice which included a public comment period through June 10, 2021, and the Draft EIS issued on December 19, 2022 with a public comment period ending on February 1, 2023.

6.6	<u>For period of use change proposals</u>, indicate the time of the year that the change would be in effect.
------------	---

This application requests to change a portion of the existing seasonal irrigation water right to a year-round industrial water right for temporary use (three years) and permanent use. The current period of use is during the irrigation season, typically between April 1st through October 31th, while the proposed industrial period of use will be January 1st through December 31st.

As described in Section 6.1 above, DNR plans to retain a portion of this water right to irrigate the property that surrounds the Gould Well, currently by a dryland lessee that will be converted to an irrigated lessee with irrigation phased around the completion of the energy project development. The period of use for irrigation will remain as is, through the irrigation season.

6.7	<u>For temporary change proposals</u>, indicate the timeframe that the proposed change would be in effect.
------------	---

A portion of the water right proposed for change will supply temporary water use for the construction of the Energy Center for a three-year period. During construction, water would be used to mix concrete for structural foundations and to suppress fugitive dust during grubbing, clearing, grading, trenching, and soil compaction. Fire prevention also represents minor water use; this involves staging water trucks at the job site to keep the ground and vegetation moist during extreme fire conditions.

The project will be built using a "phased approach", with construction estimated to take place over a three-year period. Once construction is complete, perpetual water use will consist of industrial use for O&M facilities and solar panel washing and irrigation use for seasonal irrigation. The development schedule for the irrigation portion of the change will be phased to allow for higher construction water use in the first three years without exceeding the water right quantities.

6.13	Provide an explanation of how the proposed use will not increase the authorized maximum flow rate (Qi) or annual volume (Qa).
-------------	--

The water right instantaneous rate limit is 1,995 gallons per minute (gpm). The existing points of withdrawal were able to produce the full instantaneous rate when the water system was in operation. The proposed point of withdrawal (Gould Well) will have a pump installed right sized to meet the designed pumping rate in order to stay compliant with its water right authorization. The applicant will ensure no increase in the total quantity of water use by installing a measuring device maintained in accordance with RCW 90.03.360 and Washington Administrative Code (WAC) 173-173.

6.14	<u>For surface water diversions</u>, describe how your plans comply with WDFW fish screening requirements.
-------------	---

N/A.

Development Schedule

6.15	Provide a general timeline that includes the steps needed to begin the project, complete the project, and put the water to full beneficial use.
-------------	--

The applicant proposes a three-year development schedule for the temporary construction water use. Phased irrigation after the end of temporary use is expected to take another three years.

6.16	<u>For changes to water rights currently under a development schedule</u>, provide a description of the current status of your project.
-------------	--

N/A.

6.17	Identify and discuss other land-use or environmental permits required and the timeline to obtain those permits.
-------------	--

The applicant will obtain the required federal and state permits outlined in the Application for Site Certification including but not limited to, Construction Stormwater General Permit, Water Quality Permits, Authorization to Use State-owned Lands, Access Permits, Utility Permits, Oversize and Overweight Permits, Sand and Gravel General Permits, and Building Permits.

7. Related Water Rights

7.1	List any other water rights (applications, permits, certificates, or claims) related to this change application. Include any rights that overlap the place of use.
------------	---

Water rights that overlap the place of use or are related to the subject water right include two water right permits (G4-24435 and S4-25639(A)), and one Change-ROE (CS4-25369(A)@2). The attributes of these water right are described in Table 7.1.1 below.

Table 7.1.1. Related Water Rights

Water Right Identifier	Owner	Priority Date	Qi	Qa (ac-ft/yr)	Irrigated Acreage	Purpose of Use	Source
G4-24435	WA DNR	1976	4300 gpm	1638	430	IR	Three Wells

S4-25639(A)P	WA DNR	1977	56.99 cfs	13713.95	3453.5	IR	Surface Water Pumps
CS4-25639(A)@2	WA DNR	2011	72.15 cfs	17375.15	4392.1	IR	Surface Water Pumps

Water right Certificates S4-28608GWRIS and G4-25953(A2) and Change-ROE CG4-24758(A)@1 were initially identified as overlapping the subject water right place of use. After further review, it was determined that these water rights have overly broad places of use that are adjacent to, but unrelated to, the subject water right in this change application.

7.2 Explain how the water rights listed above have been exercised.

Permit G4-24435 authorizes 430 acres of irrigation with a place of use northwest of the subject water right. The water right permit utilizes three groundwater wells, two of which are the John Barber wells under the subject water right. This water right permit will continue to use the Barber Wells after this change application is complete.

Permit S4-25639(A) was assigned to the DNR in 1994, superseding the original 1978 permit under the Paterson Power & Water District. The permit was superseded again in 2005 and issued for 72.15 cfs, 17,3175.15 ac-ft/yr for the irrigation of 4,392.1 acres. It was subsequently split into several "children" certificates following Ecology's agreement to a partial perfection strategy. DNR has perfected portions of the permit on some lands, while surrendering an equivalent number of acres that would otherwise be developed and transferring quantities to other DNR lands. The place of use of the subject water right starting in 2022 is now irrigated with this surface water right.

Change-ROE CS4-25639(A)@2 requested an additional point of diversion from the Columbia River pump station, that would allow for a more cost-effective means to development the irrigation system and acreage. On January 31, 2013, Ecology approved the Benton County Conservancy Board's decision to authorize the additional diversion point.

The water rights described above are being developed separately from the subject water right.

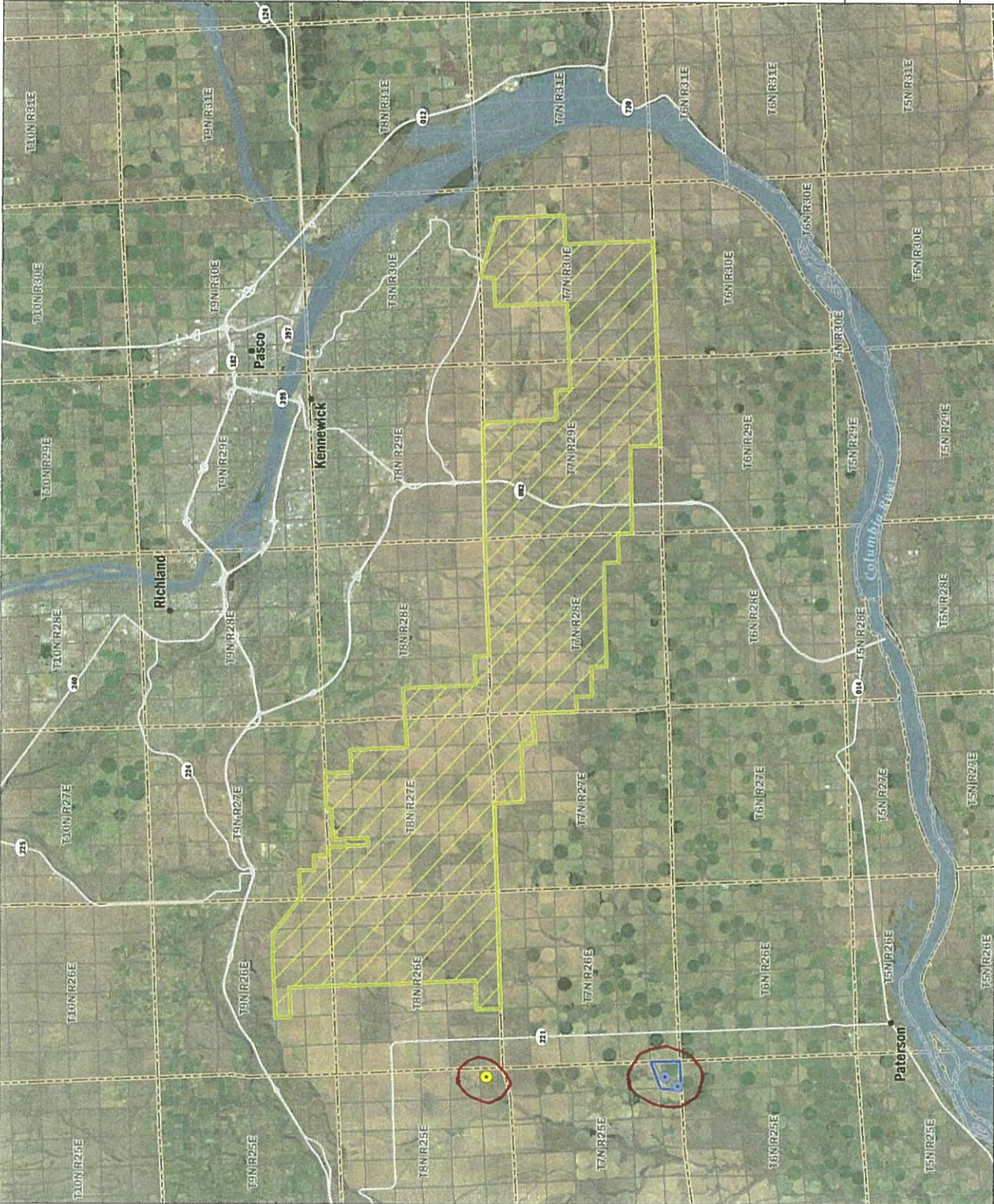
7.3 List all wells that have been added through a Showing of Compliance form.

N/A.

8. Historic Use

8.1 Describe how the water proposed for change has been beneficially used since the water right was established.

Based on a review of historical aerial imagery, irrigation has remained generally consistent within the authorized place of use for the extent of the available imagery (approximately 35 years). Attachment E includes historical imagery from 1985 through 2021. The extent of irrigation visible in the imagery dated 1985 and 1991 is estimated to be 260 acres. From the year 1996 to present, the extent of the irrigation appears to have been reduced to about 125 to 125.5 acres.



Notes:

- Features are approximate
- Aerial Image sourced from Google Earth Pro

Water Right Application

Heaven Wind Farm
Richland, WA



MAY-2023	BY: RHM	REVISED BY: DTH / LMO	FIGURE NO. 1
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FIGURE NO. **1**

Attachment B
Aspect Consulting Comment Letter
Clarifying Maximum Allowable Quantities



August 20, 2024

Ben Carr, Department of Ecology
Central Regional Office
1250 W. Alder Street
Union Gap, WA 98903

Re: Response to Benton County Conservancy Board (Board) Record of Decision to Scout Clean Energy Change Application CG3-22306@1 (BENT-24-01)

Project No. AS210258B-006

Dear Mr. Carr:

Thank you for providing Horse Heaven Wind Farm, LLC and the Washington State Department of Natural Resources with the opportunity to comment on the Draft Record of Decision Report of Examination (ROD/ROE) for Change Application CG3-22306@1. Because of the short timeframe to comment, Aspect Consulting is providing these comments on both parties' behalf after coordinating their collective comments. The comments are related to three issues. The first comment pertains to the Board-authorized annual quantity for irrigation and irrigated acreage, which the parties believe is inaccurate. The second comment pertains to the Board-authorized maximum instantaneous quantities which differs from the historical authorization. The third topic is a response to address concerns stated in the Yakama Nation's letter to Director Laura Watson dated August 13, 2024. Details are provided below.

1. Calculation of maximum annual quantity for irrigation and irrigated acreage

The ROD/ROE's maximum quantity available for irrigation use (280.8 acre-feet/year) is calculated as the product of irrigated acreage (70.2 acres) and water duty (4 acre-feet/acre). This methodology assumes that the irrigated acreage is a set, independent value. Instead, we feel the total maximum annual quantity should be established first and then partitioned between the proposed uses. The resulting annual quantity available for irrigation can then be used to determine the irrigated acreage, based on the water duty, as follows:

- Under the *Extent and Validity Analysis, ACQ Analysis and Beneficial Use Reivew* section of the ROD/ROE, the Board has determined that “*the total allowed water right use estimate for Change/Transfer is 502 acre-ft*”. We agree with this determination and it represents fully consumptive use.
- Using the total water right (502 acre-feet/year), the maximum quantity available for irrigation should be 318 acre-feet/year during the initial three-year period, after subtracting the quantities for temporary Industrial, Construction, Dust Control (184 acre-feet/year). Then, the quantity should be 490 acre-feet/year after subtracting the permanent Industrial (12 acre-feet/year; year-round) uses. We request Ecology correct these irrigation authorizations.

- The DNR lessee will grow a variety of crops each year, some with higher water duties and some with lower. Because the quantities the Board approved under their ACQ methodology are entirely consumptive, there can be no injury from planting a variable amount of acres to match the appropriate water duty of the crop. We request that the full 260.7 acres be retained for this flexibility, which will make the property more attractive for DNR lessees, which in turn leads to higher public interest value to support the DNR Trust obligations. For example, based on the acre-feet/year volumes above, the DNR lessee could irrigate a low duty crop over 260.7 acres at 1.2 acre-feet/acre in the first 3 years. Thereafter, that duty could increase to 1.9 acre-feet/acre. If a higher duty crop is temporarily desired, they can decrease the 260.7 acres to accommodate in those years. The metering provision will ensure that the 502 acre-feet/year is not exceeded. At the very least, the 260.7 acres should be authorized, and the extent that is developed under this new setting should be considered at the certification stage after the development schedule. We request Ecology reinstate the 260.7 acres requested.

2. Maximum instantaneous rate of withdrawal

The maximum instantaneous rate of withdrawal provided in the ROD/ROE is based on the certificated maximum instantaneous duty of 7.5 gpm/acre. The Board applied this proportionally to the acreage available for change (125.5 acres), which resulted in a total allowed quantity of 918.8 gpm. In the calculation, an irrigated acreage of 70.2 acres (discussed above) is used to calculate 526.5 gpm as the maximum gpm allowed for irrigation use.

However, different crops require different peaking rates, and we believe the Board should have also considered the actual withdrawal rates applied by the former DNR lessee. We evaluated this using several different approaches. A 2013 report authored by GeoEngineers investigated the water right's point of withdrawal (Barber Well No. 1) through a constant rate and step-rate pumping test. During testing, the maximum pumping rate recorded was 1,100 gpm, as measured at the start of the pumping test. The report indicates that the Barber Well No. 1 pumping tests utilized "the existing installed pump and associated discharge piping," which according to the water right holder's (DNR's) lease agreements, is a 200-horsepower line-shaft turbine pump. However, this test does not account for intermittent peaks which may occur at the instantaneous (or minute level scale), which is the standard for the maximum instantaneous rate of a groundwater right measured in gpm.

The maximum pumping rate at the point of withdrawal can also be calculated using the brake horsepower equation:

$$BHP = \frac{Q \times P}{1717 \times E_{pump}}$$

Where: BHP = Brake horsepower – the power output of the pump

Q = Flow rate (gpm)

P = pressure (psi) – the total dynamic head

E_{pump} = water pump efficiency (typically around 80%)

Using estimates of pressure for the center-pivot and typical efficiencies results in approximately 1,200 gpm, which confirms the relative magnitude of the GeoEngineers test, but we think more faithfully includes some conservatism for infrequent peak rates.

In the Modification to Change Application submitted to the Board on January 16, 2024, the applicants requested the instantaneous rate for non-irrigation use be increased to 450 gpm. This rate reflects the projected non-irrigation water demand during an 8-hour pumping period. The applicant's request Ecology increase the Board finding as to the permissible instantaneous rate to a combined Qi for irrigation and non-irrigation uses not to exceed 1,200 gpm, and the non-irrigation limit not to exceed 450 gpm. This is still a reduction over the 1,955 gpm originally authorized.

3. Legal authority to transfer groundwater right G3-+22306CWRIS

One of the issues raised by the Yakama Nation is whether DNR has the appropriate authority for this change. They characterize this change as a water right lease only. It is not. Water right application G3-+22306CWRIS was submitted by Horse Heaven Wind Farm, LLC. Washington DNR is the water right holder of the groundwater right. As proposed in the water right application, DNR will lease both the land and water to their new tenant for the purpose of irrigation, and access to land and water to Horse Heaven Wind Farm, LLC for the purposes described in the application. DNR is the best arbiter of its lease authority for many of the reasons outlined in the Yakama Nation letter.

The Yakama Nation also took issue with the SEPA determination by the Board. In addition to the Board's response, we note that under WAC 197-11-600, an agency with jurisdiction is required to use an existing EIS (in this case approved by the Energy Facility Site Evaluation Council (EFSEC) unless there are "substantial changes to a proposal so that the proposal is likely to have significant adverse environmental impacts." Agencies are not required to redo or supplement an EIS when insignificant or minor changes to a project occur over its life cycle, which is the norm. In this case, there is no material issue of impairment by using DNR's well to supply this project. No new land will be disturbed over what EFSEC considered, and no water right holder will be deprived of water. While both applicants respect the Yakama Nation's Traditional Cultural Properties, the use of DNR's well will not alter the project footprint or impacts on them beyond what EFSEC already considered.


We request that Ecology confirm that the EFSEC and Board findings on SEPA are appropriate.

Sincerely,

Aspect consulting



Dan Haller, PE, CWRE
Senior Principal Engineer
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Ryan Mullen, LG
Project Geologist
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Attachment C
Memorandum from Mike
Herbert/Washington Department of
Ecology

Date: September 5th, 2024

To: Breean Zimmerman (Permitting Unit), and the file

From: Mike Herbert (Technical Unit), reviewed by John Kirk, L.HG

RE: Technical Review for Benton County Conservancy Board Decision BENT-24-01

I reviewed the Benton County Water Conservancy Board change decision BENT-24-01. This change application requests a change of point of withdrawal (POW), change of place of use (POU), change of purpose of use, and change of period of use to ground water right CG3-+22306CWRIS. CG3-+22306CWRIS authorizes a total annual quantity (Qa) of 1043 acre-feet per year (afy) and instantaneous quantity (Qi) of 1,955 gallons per minute (gpm) for the irrigation of 260.7 acres for the irrigation season. The two authorized POWs are Wells 1 and 2 located in the SW ¼, SW ¼ and SE ¼, NW ¼, of Section 36, Township 7N, Range 25E W.M. The existing POU is all within Section 36, Township 07N, Range 25E W.M.

The proposed POW is a Department of Natural Resources (DNR) well located approximately six and a half miles to the north in NW ¼, NE ¼, of Section 36, Township 8N, Range 25E W.M. The change of POU expands to cover area within Township 9N, Range 26E. W.M., Township 9N, Range 27E. W.M., Township 8N, Range 25E. W.M., Township 8N, Range 26E. W.M., Township 8N, Range 27E. W.M., Township 7N, Range 26E. W.M., Township 7N, Range 27E. W.M., Township 8N, Range 28E. W.M., Township 7N, Range 28E. W.M., Township 7N, Range 29E. W.M., Township 7N, Range 30E. W.M., Township 6N, Range 30E. W.M., and Township 6N, Range 31E. W.M. The proposed change of use is to facilitate operations of the Horse Heaven Clean Energy Center which would combine wind, solar and battery storage to produce renewable energy for the State of Washington. The change is for 1,031 afy at 1805 gpm for seasonal irrigation, a three-year temporary use of 184 afy at 150 gpm for industrial, construction and dust abatement, and 12 afy at 150 gpm for year-round industrial use.

Authorized POW Well 1 was drilled in 1976 by Spokane Drilling Co for the DNR to a depth of 860 feet below ground surface (bgs). The well is open to and withdraws from a zone of water bearing strata from 814-860 feet bgs. Well 2 was drilled in 1978 by Moore drilling, Inc for the DNR to a depth of 990 feet bgs. The drillers log appears to indicate that it is withdrawing from a zone of water bearing strata at a similar depth as Well 1. Both Wells 1 and 2 are completed into the Frenchman Springs Member of the Wanapum Formation of the Columbia River Basalt Group (CRBG).

The proposed DNR POW, referred to as the Gould well was drilled in 1980 by Larry Burd's Well Drilling to a depth of 1340 feet bgs. The Gould well is open to a productive water bearing zone located at the top of the Frenchman Springs Member of the Wanapum Formation. There is an inferred fault between the two wells that has not yet been confirmed

by any geologic mapping. There appears to be no offset of strata in cross section to suggest there is any barrier to groundwater flow between the existing authorized wells and the proposed well. All three of the wells had similar static water level elevations within them at the time of drilling. Both Wells 1 and 2 as well as the proposed Gould well are drawing groundwater from the Wanapum Formation and are completed in the same body of public groundwater for appropriation.

An impairment analysis is required to determine that drawdown impacts experienced within a neighboring well will not lead to impairment due to the authorization of this application. This evaluation assumes conservative aquifer parameters and a maximum impact pumping schedule to determine the maximum amount of drawdown expected to be experienced within a closest neighboring well. After a search of the Department of Ecology Well Log Viewer and aerial photography it is determined that in this location of the Horse Heaven Hills, there are no neighboring water right users within the Wanapum Formation within two miles of the proposed well.

To withdraw the full annual quantity of 1043 acre-feet by pumping the well at the maximum instantaneous rate of 1955 gpm, the well would be pumped continuously for 120.7 days. Using the most conservative hydraulic aquifer properties reported by the United States Geological Survey (USGS) for the Wanapum aquifer, the maximum drawdown interference to occur if there were a neighboring well within a distance of two miles would be less than 6 feet. Assuming moderate aquifer values and there being no identified neighboring wells within two miles, exercising this water right under this change would not result in interference that would injure the exercise of a neighboring water right.

Mike Herbert

Hydrogeologist | Water Resources Program
Department of Ecology | Central Regional Office
1250 W Alder St
Union Gap, WA, 98903
(509) 490-1934



References:

Ely, D.M., Bachmann, M.P., and Vaccaro, J.J., 2011. Numerical simulation of groundwater flow for the Yakima River Basin aquifer system, Washington: U.S. Geological Survey Scientific Investigation Report 2011-205155, 90 pgs.

Fetter, C.W. 2001. Applied Hydrogeology Fourth Edition. Prentice Hall, New Jersey.

Vaccaro, J.J., Jones, M., Ely, D., Keys, M., Olsen, T., Welch, W., and Cox, S., 2009, Hydrogeologic Framework of the Yakima River Basin Aquifer System, Washington.

Washington Department of Ecology Well Database, available at:

<http://apps.ecy.wa.gov/wellog/>

Q1: It looks like there are drainages in the general vicinity and will be good to know the name and the distance from the ride and parking area. And what part of 3.4 discusses this area. As far as I can initially tell, this property is not part of the footprint discussed in Chapter 3.4.

Response: Tetra Tech's wetland biologist visited the site on 2/25/25 and confirmed that there are no bed or banks along the swale feature that is visible on Google Earth to the northwest of the proposed new gravel road. Specifically, there are no bed or banks where it intersects with Sellards road, nor were there bed or banks further up the swale feature where it gets within 300 feet of the potential road and well. Not having bed or banks in either location means that this swale is not considered a waterway and is therefore not considered jurisdictional by either the state or the county. As a result, in accordance with Benton County's Critical Areas Ordinance, no setbacks from this feature are required. Map and photos are attached to this memo.

Q2: I checked the FEIS and your information and had trouble finding the information regarding the expected number of water truck trips per day. Could this be seasonal as well?

Response: Using the estimate provided in the ASC of 220,000 gallons per day, and assuming each truck carries 4,000 gallons, on average there would be 55 trucks per day visiting the well site. Since water demand would be higher in the dry season, we estimate a potential maximum of approximately 80-100 trucks per day between May and October. Minimal truck traffic would occur during the rainy season (December-March). During shoulder months (November and April, depending on weather), traffic is estimated close to the average of 55 trucks per day. Note that the estimate of 220,000 gallons per day reflects construction use only; as described in the ASC, use during operations will be much lower. During operations, if panel washing is conducted, it is anticipated to be done no more than three times per year with an average of 675,000 gallons of water used for each wash (2,025,000 gallons per year). Assuming each wash takes approximately two weeks, it is estimated that an average of 14 water trucks per day could access the well site during each panel washing occurrence.

Q3: Are there any plans to fence any part of the facility at Gould Well? The parking lot, road, well site?

Response: This detail has not been designed yet. To be conservative, we assume there would be a fence around the parking area and well site but not along the road.

Q4: Just want to confirm, the graveled yard is for turn around and some water storage tanks. Not parking? If parking, would that be a daily thing (vehicles present during work hours) or would vehicles like water trucks be parked there.

Response: During construction, water trucks may be parked either in the graveled yard or at the project laydown area overnight or during times when water is not being delivered to the site. Other vehicle traffic is not anticipated but occasional project vehicles could visit the well location for inspections, maintenance, etc.

Attachment – Photos from Site Visit to Assess Swale Feature

Figure 1: Photo locations

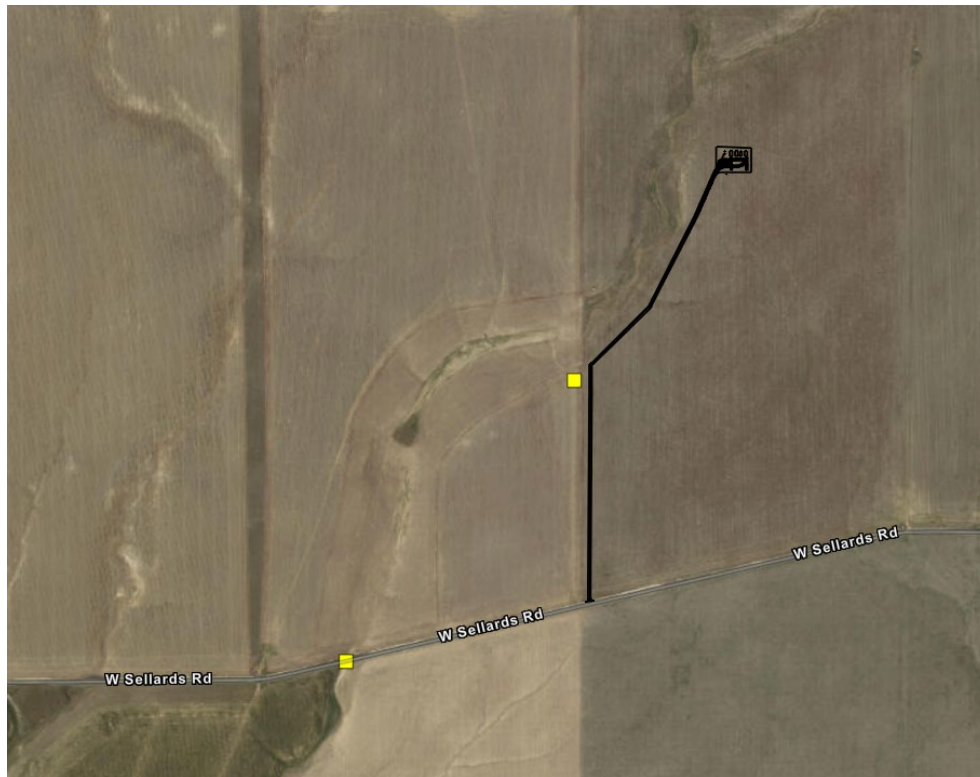


Figure 2: Photo from Sellards Road looking northeast



Figure 3: Photo from upper swale adjacent to potential road, looking northeast

