

Template for policy proposals – WRIA 14 WREC

Revised 5-14-2020

Purpose of template

This following is a suggested template to help members document and justify your proposal. Additional work on the proposal can happen during or after the meetings and in advance of committee consideration.

How to use this document

Please complete the suggested elements below **as relevant/helpful to the development of your proposal**. Other elements can be added or other formats used if you or your entity have already written up a proposal. Incomplete proposals should still be submitted to the committee for consideration with gaps and improvements to be discussed and improved on during the policy proposal development process.

A final policy recommendation for inclusion in the plan will likely be shorter than the information provided below, but additional background and context will help the committee understand and consider the proposal.

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Policy proposal

Name: Adaptive Management responses

Entity: Squaxin Island Tribe

Type of policy idea (see list below): Adaptive Management

Description of policy idea (a short abstract):

1. *Identify the potential implementers and other key players.*
 - a. Ecology, Counties
2. *Describe proposed actions (including current policies or codes, existing programs and their limitations, problems to be corrected, etc.).*
 - a. Counties will track and document permit exempt well construction
 - b. Counties (or other entities possibly) would track offset projects
 - i. Monitor project status
 - ii. Document project completion
 - iii. Assess project success and quantify final offset amounts
 - c. Counties (or other entities possibly) would provide an annual report to Ecology on PE well construction and offset status
 - d. Beginning at the fifth year of implementation, Ecology would assess the County reports and compare PE well installation and consumptive use amounts (using the methodology designated in the plan) to completed offset project amounts.
 - i. If the annual report indicates that offset amounts are more than 10% behind the “moderate” PE well consumptive use amounts, Ecology would declare

- drought water use restrictions to be into effect for the following year, regardless of whether a drought emergency has been declared or not
- ii. If the annual report indicates that offset amounts are more than 25% behind the “moderate” PE well consumptive use amounts, Ecology will declare a moratorium on new PE wells until offset projects are completed to bring the deficit back to less than 25%
- iii. If offset project amounts are exceeding the “high growth” targets (on an annual prorated basis) then the Counties may go to biannual reporting (i.e reporting waived for the following year)
- e. Ecology rule-making as necessary to implement
- 3. *Identify who the action impacts (if different than primary implementer).*
 - a. Water use restrictions could impact homeowners
 - b. Could impact developers and home buyers if the deficit passes the 25% threshold
- 4. *Describe benefits and challenges/obstacles.*
 - a. Benefits:
 - i. Provides clear and substantive responses to PE well use exceeding offset amounts
 - ii. Protects against legal challenges to the Plan’s effectiveness as a “Hirst fix”
 - iii. Provides incentives to complete projects in excess of PE well requirements
 - iv. Support streamflow restoration and the rights of Tribes and senior water rights holders
 - b. Challenges:
 - i. County resistance to substantive requirements if offsets are falling short
 - ii. Workload requirements for County and Ecology
 - iii. Need for timeliness in reporting and Ecology action
 - iv. Complexity of proposal and need for an approach that is efficient, effective, and practical

Description of purpose:

- 1. *How would this recommendation enhance the WRIA 14 plan? Describe the desired result and its purpose in this plan (we want to be clear how this relates to offsetting impacts from PEW OR be explicit that this is a benefit to the watershed even if not directly related to PEW impacts).*
 - a. This would ensure that the Plan is being fully implemented and provide incentives to fund and complete projects

Description of concerns:

- 1. *What, if any, concerns with this policy idea have WRIA 14 members expressed or that you anticipate?*
 - a. Counties have expressed support in general terms for adaptive management, but specific details have not been discussed
- 2. *If you have discussed this with concerned members, what was the result of those discussions?*
 - a. No discussions yet
- 3. *Are there other potential downsides or objections to the proposal that you anticipate?*
 - a. As described in challenges above

- b. Details of adaptive management create complexity, which may result in confusion, resistance, loopholes, and unintended consequences
4. *In what ways does your proposal address those concerns?*
 - a. Trying to be simple and clear, but more discussion and negotiation is needed

Cost and funding sources:

1. *What elements of the proposal are likely to require funding?*
 - a. Workload for Counties and Ecology
2. *Provide a rough cost estimate (if known) and discuss potential funding sources and whether funding is one time or ongoing.*
 - a. Amounts need to be estimated
 - b. PE well fees
 - c. State funding
3. *Explain costs to other affected parties besides implementing regulators (for example: costs will increase for well drilling or new requirements on homeowners/home builders).*
 - a. Delays in home construction due to moratoriums on wells
 - b. Impacts of water use restrictions

*Policy types (not comprehensive list; feel free to add):

- Education: providing information, encouragement and recognition
- Incentives: providing incentives such as subsidies, tax or fee reductions, etc.
- Compensation: reimbursing expenses for the action or for foregoing certain actions
- Regulation: requiring certain actions
- Fees or taxes: increasing the costs of undesired actions

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Policy proposal

Name: Drought response program

Entity: Squaxin Island Tribe

Type of policy idea (see list below): Regulation, education

Description of policy idea (a short abstract):

1. *Identify the potential implementers and other key players.*
 - a. Counties, Ecology
2. *Describe proposed actions (including current policies or codes, existing programs and their limitations, problems to be corrected, etc.).*
 - a. Consistent with RCW 90.94.030(4)(b), upon the issuance of a drought emergency order under RCW 43.83B.405, withdrawal of groundwater exempt from permitting under RCW 90.44.050 will be limited to no more than three hundred fifty gallons per day per connection for indoor use only.
 - b. A limited exemption is allowed for growing food and for maintaining a fire control buffer. Use of water under this exemption would be subject to an odd-even watering day program.
 - c. Counties will develop a water conservation plan for PE wells, similar to Group A conservation plans. The plan will include an education and outreach program to educate and notify the public about water conservation and drought water use limitations and practices.
 - d. Ecology will develop and implement a compliance and enforcement program for these limitations, implemented potentially through a Water Master

- e. Ecology will include these requirements in a package for rule-making.
- f. Propose legislation to apply this program to all PE wells statewide.
- 3. *Identify who the action impacts (if different than primary implementer).*
 - a. New Permit exempt wells
 - b. Supports tribal treaty rights and rights of senior water rights holders
- 4. *Describe benefits and challenges/obstacles.*
 - a. Benefits:
 - i. Addresses increased impacts in dry years compared to average conditions.
 - ii. Operates in parallel to ISF rules and closures to protect Tribal Treaty rights and senior water rights.
 - iii. Addresses climate change impacts.
 - b. Challenges: poor understanding or resistance from home-owners. Requires dedicated resources. Without an education and compliance programs, compliance with the limits will be poor.

Description of purpose:

1. *How would this recommendation enhance the WRIA 14 plan? Describe the desired result and its purpose in this plan (we want to be clear how this relates to offsetting impacts from PEW OR be explicit that this is a benefit to the watershed even if not directly related to PEW impacts).*
 - a. Build resilience into the plan to address extreme events of heat, dryness, and low flow
 - b. Provide protections for senior water rights holders
 - c. Support NEB goals for streamflow restoration.

Description of concerns:

1. *What, if any, concerns with this policy idea have WRIA 14 members expressed or that you anticipate?*
 - a. Prefer education first, and a compliance approach over enforcement
 - b. Some counties want Ecology to enforce, some want their County to have the lead
 - c. Funding is a challenge – state funding better than local
 - d. Ecology and Counties will make no commitments
2. *If you have discussed this with concerned members, what was the result of those discussions?*
 - a. Agree with compliance-first approach
 - b. Agree on need for funding but not on preferred approach
 - c. No agreement yet on who takes the lead for compliance
3. *Are there other potential downsides or objections to the proposal that you anticipate?*
 - a. Addressing only new PE wells may not be fair if existing wells are exempt
 - b. Lack of this program could result in a loophole that opens the plan to a legal challenge
4. *In what ways does your proposal address those concerns?*
 - a. Proposal has been revised over time to approach the issue in ways that might reach consensus

Cost and funding sources:

1. *What elements of the proposal are likely to require funding?*
 - a. The conservation plan development

- b. Compliance program development and implementation
 - c. Rule-making
 - d. Legislative advocacy
2. *Provide a rough cost estimate (if known) and discuss potential funding sources and whether funding is one time or ongoing.*
 - a. Cost uncertain – need analysis
 - b. Increase PE well fees
 - c. Include in Ecology budget
 - d. One-time: initial program development, rule making, legislative advocacy
 - e. Ongoing: implantation of programs
3. *Explain costs to other affected parties besides implementing regulators (for example: costs will increase for well drilling or new requirements on homeowners/home builders).*
 - a. Impacts on those providing funding – new home buyers or taxpayers
 - b. Costs to homeowners out of compliance and subject to enforcement
 - c. Possible costs to impacts on landscaping from outdoor watering ban

*Policy types (not comprehensive list; feel free to add):

- Education: providing information, encouragement and recognition
- Incentives: providing incentives such as subsidies, tax or fee reductions, etc.
- Compensation: reimbursing expenses for the action or for foregoing certain actions
- Regulation: requiring certain actions
- Fees or taxes: increasing the costs of undesired actions

Policy proposal – WRIA 14 WREC

Name: Study of County Planning Streamflow Restoration Effectiveness

Entity: Squaxin Island Tribe

Type of policy idea (see list below): Special Study

Description of policy idea (a short abstract):

1. *Identify the potential implementers and other key players.*
 - a. Consultant will conduct the study. Ecology or other entity would be lead for contracting.
2. *Describe proposed actions (including current policies or codes, existing programs and their limitations, problems to be corrected, etc.).*
 - a. Conduct a study of how planning and permitting in the four south sound counties supports protection and enhancement of streamflow restoration, through protection and enhancement of groundwater recharge and other mechanisms.
 - b. The study would evaluate how and why county programs have been effective; gaps or areas where planning has been less effective in promoting streamflow restoration; and propose ways to improve rules to promote recharge enhancement and streamflow restoration.
 - c. The study report would be distributed to the study counties and relevant branches of state government to inform decision-making.
3. *Identify who the action impacts (if different than primary implementer).*
 - a. The study would have no direct impact.
 - b. The findings of the study could influence future state or local decision-making regarding state and county planning and streamflow restoration.
4. *Describe benefits and challenges/obstacles.*
 - a. Benefits: develops information to support improvements in planning to promote streamflow restoration
 - b. Challenges/obstacles: needs funding and staff resources for scope and grant development. There may be resistance to a review of county planning.

Description of purpose:

1. *How would this recommendation enhance the WRIA 14 plan? Describe the desired result and its purpose in this plan (we want to be clear how this relates to offsetting impacts from PEW OR be explicit that this is a benefit to the watershed even if not directly related to PEW impacts).*
 - a. Better information on how county planning and permitting affects streamflows could lead to improvements that support the Plan's goals for streamflow restoration. Such improvements would be one way to add safety factor to the goals of the Plan.

Description of concerns:

1. *What, if any, concerns with this policy idea have WRIA 14 members expressed or that you anticipate?*

- a. This is a new proposal and has yet to be discussed. Counties may be reluctant to have their programs reviewed, or may be concerned with staff workload to provide information to the study.
2. *If you have discussed this with concerned members, what was the result of those discussions?*
 - a. No discussions yet.
3. *Are there other potential downsides or objections to the proposal that you anticipate?*
 - a. The study may end up “on a shelf” and not result in any improvements.
4. *In what ways does your proposal address those concerns?*
 - a. It tries to define its content in a way that is relevant and actionable.

Cost and funding sources:

1. *What elements of the proposal are likely to require funding?*
 - a. The study will require funding. Developing the study proposal, providing information for the study, and disseminating results will require funding for staff resources.
2. *Provide a rough cost estimate (if known) and discuss potential funding sources and whether funding is one time or ongoing.*
 - a. Unknown at this time. Could be estimated by an experienced consultant.
3. *Explain costs to other affected parties besides implementing regulators (for example: costs will increase for well drilling or new requirements on homeowners/home builders).*
 - a. There would be no costs to others from the Study itself.

Policy proposal – WRIA 14 WREC

Name: County Policies to Promote Connections to Group A systems

Entity: Squaxin Island Tribe

Type of policy idea (see list below): Regulation

Description of policy idea (a short abstract):

1. *Identify the potential implementers and other key players.*
 - a. Counties
2. *Describe proposed actions (including current policies or codes, existing programs and their limitations, problems to be corrected, etc.).*
 - a. Tighten standards to increase connections to Group A systems rather than PE wells
 - b. Actions could include:
 - i. Require all developments or parcels to hook up to a Group A system if they are within a fixed distance of a service line, say 600 feet.
 - ii. Provide other standards for “timely and reasonable” to provide consistency across all purveyors in each County and increase the likelihood of connection to Group A service instead of to a PE well
 - iii. Make hookup to Group A service mandatory for all parcels under 1 acre.
3. *Identify who the action impacts (if different than primary implementer).*
 - a. Developers and landowners requiring water service for new construction.
4. *Describe benefits and challenges/obstacles.*
 - a. Benefits: Reduces the potential number of PE wells, which reduces groundwater consumptive use and provides a safety factor for the overall Plan goal of streamflow restoration.
 - b. May increase construction costs for affected parcels. This may result in political resistance to necessary ordinance changes. Ordinances could be rolled back in the future.

Description of purpose:

1. *How would this recommendation enhance the WRIA 14 plan? Describe the desired result and its purpose in this plan (we want to be clear how this relates to offsetting impacts from PEW OR be explicit that this is a benefit to the watershed even if not directly related to PEW impacts).*
 - a. These requirements would be consistent with the Plans’ goal of streamflow restoration.
 - b. Implementation of these rules would provide a safety factor for the goal of providing offsets to exceed new PE well consumptive use.

Description of concerns:

1. *What, if any, concerns with this policy idea have WRIA 14 members expressed or that you anticipate?*
 - a. There will likely be resistance to increased costs for new construction, even if limited.
 - b. There may be political resistance to tightening development rules.
2. *If you have discussed this with concerned members, what was the result of those discussions?*

- a. No direct discussions, but concerns have been inferred from comments at committee meetings.
3. *Are there other potential downsides or objections to the proposal that you anticipate?*
 - a. Concerns noted above
 - b. Lack of certainty the these recommendations will be implemented
4. *In what ways does your proposal address those concerns?*
 - a. Proposed changes are targeted and narrow.
 - b. Ordinance development to implement these recommendations will likely result in changes to address concerns.

Cost and funding sources:

1. *What elements of the proposal are likely to require funding?*
 - a. Some staff time will be necessary to develop the ordinances.
 - b. Grants could be obtained to compensate for increased costs (this could be a possible project for the Plan).
2. *Provide a rough cost estimate (if known) and discuss potential funding sources and whether funding is one time or ongoing.*
 - a. Unknown at this time.
3. *Explain costs to other affected parties besides implementing regulators (for example: costs will increase for well drilling or new requirements on homeowners/home builders).*
 - a. Hookup to a Group A system will likely increase construction costs and require homeowners to pay utility rates.

Policy proposal – WRIA 14 WREC

Name: Water Supply Data for Comprehensive Water Planning

Entity: Squaxin Island Tribe

Type of policy idea (see list below): Monitoring and Research

Description of policy idea (a short abstract):

1. *Identify the potential implementers and other key players.*
 - a. Ecology, possibly consultant, support from Counties and WDOH
2. *Describe proposed actions (including current policies or codes, existing programs and their limitations, problems to be corrected, etc.).*
 - a. The following language is quoted from RCW 90.94.030:
 - i. (b) At a minimum, the plan must include those actions that the committee determines to be necessary to offset potential impacts to instream flows associated with permit-exempt domestic water use.
 - ii. (c) Prior to adoption of the watershed restoration and enhancement plan, the department must determine that actions identified in the plan, after accounting for new projected uses of water over the subsequent twenty years, will result in a net ecological benefit to instream resources within the water resource inventory area.
 - iii. (d) The watershed restoration and enhancement plan must include an evaluation or estimation of the cost of offsetting new domestic water uses over the subsequent twenty years, including withdrawals exempt from permitting under RCW 90.44.050.
 - iv. (e) The watershed restoration and enhancement plan must include estimates of the cumulative consumptive water use impacts over the subsequent twenty years, including withdrawals exempt from permitting under RCW 90.44.050.
 - b. To ensure compliance with the law, and consistent with principles of sound water management, the following information needs to be developed:
 - i. Past permit exempt domestic water wells and water use
 - ii. All projected water use for the next 20 years
 1. Permit exempt wells
 2. Inchoate municipal water rights brought into active use
 - a. Mitigated versus unmitigated
 3. New water rights
 - c. The following screening level information will be developed and included in the Plan:
 - i. Municipal water supply connections expected in the next 20 years, by subbasin
 1. Can be determined by difference from total growth and future PE wells
 - ii. Total number of existing PE wells by subbasin
 1. Can be determined by Counties from planning and permitting information

- d. Within one year of Plan approval, the following information should be developed for each subbasin:
 - i. Total existing (2018 and earlier) connections in service using:
 - 1. unmitigated inchoate water rights
 - 2. mitigated inchoate water rights
 - ii. Total connections expected to be put into service in the next 20 years using:
 - 1. unmitigated inchoate water rights
 - 2. mitigated inchoate water rights
 - 3. new water rights
- 3. *Identify who the action impacts (if different than primary implementer).*
 - a. Workload and financial impacts for participants in developing the information
- 4. *Describe benefits and challenges/obstacles.*
 - a. Benefits: Provides a robust information base for comprehensive water planning. Provides a context for the Plan and its goals.
 - b. Challenges/obstacles: Workload and financial requirements needed.

Description of purpose:

- 1. *How would this recommendation enhance the WRIA 14 plan? Describe the desired result and its purpose in this plan (we want to be clear how this relates to offsetting impacts from PEW OR be explicit that this is a benefit to the watershed even if not directly related to PEW impacts).*
 - a. Ensures that the Plan is in compliance with the law
 - b. Provides vital information for comprehensive planning by understanding both legacy water use and emerging trends.
 - c. Supports the overall goal of the plan to restore streamflow.

Description of concerns:

- 1. *What, if any, concerns with this policy idea have WRIA 14 members expressed or that you anticipate?*
 - a. Time spend on this task takes away from other important tasks
 - b. Capacity to do this work is limited
 - c. Ecology takes the position that this is not required by law
- 2. *If you have discussed this with concerned members, what was the result of those discussions?*
 - a. It has been discussed in Committee meetings, without result
- 3. *Are there other potential downsides or objections to the proposal that you anticipate?*
 - a. None
- 4. *In what ways does your proposal address those concerns?*
 - a. Split study into initial screening analysis and future more detailed analysis

Cost and funding sources:

- 1. *What elements of the proposal are likely to require funding?*
 - a. Staff time for collecting and analyzing information
- 2. *Provide a rough cost estimate (if known) and discuss potential funding sources and whether funding is one time or ongoing.*
 - a. One time funding, has not been determined

3. *Explain costs to other affected parties besides implementing regulators (for example: costs will increase for well drilling or new requirements on homeowners/home builders).*
 - a. No impact on other parties

Policy proposal – WRIA 14 WREC

Name: Upgrade Well Reporting

Entity: Squaxin Island Tribe

Type of policy idea (see list below): Information process improvement

Description of policy idea (a short abstract):

1. *Identify the potential implementers and other key players.*
 - a. Ecology
2. *Describe proposed actions (including current policies or codes, existing programs and their limitations, problems to be corrected, etc.).*
 - a. See attached document “Proposed Improvements to the Department of Ecology’s Well Reporting Processes”
3. *Identify who the action impacts (if different than primary implementer).*
 - a. Well drillers, all users of well database information
4. *Describe benefits and challenges/obstacles.*
 - a. Benefits: better well location data; streamlined data collection and uploading; improved data access
 - b. Challenges: requires resources for development, roll-out, and training.

Description of purpose:

1. *How would this recommendation enhance the WRIA 14 plan? Describe the desired result and its purpose in this plan (we want to be clear how this relates to offsetting impacts from PEW OR be explicit that this is a benefit to the watershed even if not directly related to PEW impacts).*
 - a. Accurate well data is critical for all parties to make water management decisions that are protective of the environment and beneficial to communities. Improvements in the quality of well data in Washington State are essential for monitoring and management of shared water resources in the State of Washington. This supports the goals of the Plan.

Description of concerns:

1. *What, if any, concerns with this policy idea have WRIA 14 members expressed or that you anticipate?*
 - a. None anticipated, other than perhaps the allocation of limited resources.
2. *If you have discussed this with concerned members, what was the result of those discussions?*
 - a. Concept has been discussed, with general support.
3. *Are there other potential downsides or objections to the proposal that you anticipate?*
 - a. None anticipated.
4. *In what ways does your proposal address those concerns?*
 - a. Proposal stands by itself. Investment in this improvement in the short term will have long-term benefits.

Cost and funding sources:

1. *What elements of the proposal are likely to require funding?*
 - a. Platform development, testing, roll-out, and user training and support
2. *Provide a rough cost estimate (if known) and discuss potential funding sources and whether funding is one time or ongoing.*
 - a. Not yet known.
3. *Explain costs to other affected parties besides implementing regulators (for example: costs will increase for well drilling or new requirements on homeowners/home builders).*
 - a. There may be a small cost to well drillers for technology.

Proposed Improvements to the Department of Ecology's Well Reporting Processes

The "Upgrade Well Reporting" Proposal

Developed by the Squaxin Island Tribe in consultation with Ecology's Well Construction and Licensing Office

**Contributors: Ecology - Joe Witzak, Scott Malone, and Tara Roberts
Squaxin Island Tribe - Erica Marbet**

Final Draft May 28, 2020

Purpose:

Accurate well data is critical for all parties to make water management decisions that are protective of the environment and beneficial to communities. The quality of well data in Washington State can be improved with changes to how the State collects information from drillers. These improvements are essential for monitoring and management of shared water resources in the State of Washington.

Background:

In 2018, at the request of the Squaxin Island Tribe, Ecology assigned staff to assess the accuracy of water well location reporting in Mason County. The project checked 187 water well reports (2.1% of the 8,910 water well reports from the county). Ecology uses the Public Land Survey system (PLS) to record well locations by township, range, section, quarter and quarter-quarter. Currently wells are mapped by 40-acre quarter-quarter centroids on the State Well Report Viewer. The results showed that 79% of well locations could be verified with the information on the report. Of those that could be verified, 33% had incorrectly reported PLS locations. Ecology performed a similar, statewide assessment of well location data and found a 24% error rate for all types of regulated wells.

As Tribes utilize Ecology's well report database frequently, tribal staff would benefit by improving well location data management and processes. In discussions between Ecology, Squaxin, and Mason County, all agreed that improvements to Ecology's well reporting processes could help reduce the error in water well location reporting.

Ecology is eager to expand their web-based well reporting options. In 2019, Ecology surveyed well drillers to determine their preferences regarding format and features. Of 133 respondents, 63% placed a high importance on a new well location mapping tool that would use recent aerial

imagery to determine a well's PLS location and coordinates. Only 6% responded that this effort would be of low importance. These results showed drillers preferred to submit well reports from a web form in the current well report format.

We propose the following changes to Ecology's well data processes:

1. New well location mapping tool for drillers

An interactive web-based mapping tool that provides an intuitive means of determining PLS location has been implemented in Oregon recently. Ecology is interested in developing their own web tool which provides the PLS and coordinates location (latitude/longitude) for a new well automatically. The Notice of Intent web form would shell into a new GIS application utilizing recent aerial imagery, a parcel overlay, and a tool that updates the quarter-quarter and coordinates on the NOI. The well driller need only click on the interactive map to generate a well location. When a driller finishes a well report, they can utilize the same tool to refine their coordinates and PLS location.

2. Require coordinates on well reports

Coordinates can perfectly describe a well location within a parcel. Adding latitude and longitude on well reports will serve to verify a well's location on the ground accurately and easily. Ecology intends to require well coordinates on reports, though a WAC change may eventually be needed.

3. New web-based well reporting application

Ecology is determining the best approach for implementing a new web-based well reporting application. According to a recent survey of drillers and their support staff, a web-form mimicking the current well report forms that uploads directly to Ecology's database is desired. The benefits of using a web-based well reporting process are numerous:

- Less backlog of scanning and data entry - more time for Ecology staff to vet well reports
- Legible text, fewer written responses
- Digitizing all well report data, not just the fields that were captured by Ecology staff during the scanning process
- A smart form format can eliminate out-of-range entries

By capturing digitized well location data, it would be feasible in the future to automate the process of verifying well locations and water right information. Tracking well location and permit-exempt wells is a need of users who download geospatial datasets

from Ecology's GIS data page (<https://ecology.wa.gov/Research-Data/Data-resources/Geographic-Information-Systems-GIS/Data>).

The Well Construction and Licensing Office at Ecology needs more capacity to vet well reports. Automation from web-based reporting would free up staff to do more vetting, because the office's staff would not have to do as much scanning of paper documents and manual entry of data fields for each report. They need more automation, not FTEs.

Please share this proposal with your RCW 90.94 watershed planning committees ask members to support it. This would include adding it as a proposed action in a watershed plan.

Please contact Mary Verner, Manager of Ecology's Water Resources Program and Tyson Oreiro, Ecology's Tribal Liaison to express your support for the "Upgrade Well Reporting" proposal.

See next two pages for figures.

<https://appswr.ecology.wa.gov/wellconstruction/Wells/NoticeOfIntentForm.aspx?form=noiwaterwellform>

Well Construction and Licensing Search Tools

Step 1 of 3: Enter Information

An asterisk (*) designates the field as required.

Notice of Intent Form to Construct a Water Well

Property Owner Contact Information

*An organization name or the first and last property owner name is required.

Organization Name* (e.g. Daisy Farms LLC)

OR

Last Name*

First Name*

Email Address*

Confirm Email Address*

Mailing Address*

City*

State*

Zip*

Phone ()

International customers cannot submit online. [Contact us](#) for assistance.

Consulting Firm Contact Information

Firm Name

Well Location

Township*

Latitude

Range*

Longitude

Section*

* Quarter-Quarter Section:

| | | | |
|----|----|----|----|
| NW | NE | NW | NE |
| * | * | * | * |
| SW | SE | SW | SE |
| * | * | * | * |
| NW | NE | NW | NE |
| * | * | * | * |
| SW | SE | SW | SE |
| * | * | * | * |

Well Street Address

Well City

Well Zip Code

Tax Parcel Number

County*

Add interactive map to automatically identify township, range, section, latitude, and longitude



Make Optional

Make Mandatory

WATER WELL REPORT



Type of Work:

Construction
 Decommission \Rightarrow Original installation NOI No. _____

Proposed Use: Domestic Industrial Municipal
 Dewatering Irrigation Test Well Other _____

Construction Type: New well Alteration Deepening
Method: Driven Jetted Cable Tool
 Dug Air- Mud-Rotary

Dimensions: Diameter of boring _____ in., to _____ ft.
 Depth of completed well _____ ft.

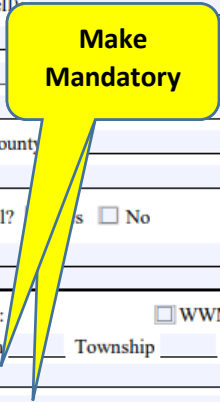
| Construction Details: | | Wall | | | | | | | |
|--------------------------|--------------------------|-----------|-------|-------|-----------|--------------------------|--------------------------|--------------------------|--------------------------|
| Casing | Liner | Diameter | From | To | Thickness | Steel | PVC | Welded | Thread |
| <input type="checkbox"/> | <input type="checkbox"/> | _____ in. | _____ | _____ | _____ in. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | _____ in. | _____ | _____ | _____ in. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | _____ in. | _____ | _____ | _____ in. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | _____ in. | _____ | _____ | _____ in. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Perforations: Yes No Type of perforator used _____
 No. of perforations _____ Size of perforations _____ in. by _____ in.
 Perforated from _____ ft. to _____ ft. below ground surface

Screens: Yes No K-Packer \Rightarrow Depth _____ ft.
 Manufacturer's Name _____
 Type _____ Model No. _____
 Diameter _____ in. Slot size _____ in. from _____ ft. to _____ ft.
 Diameter _____ in. Slot size _____ in. from _____ ft. to _____ ft.

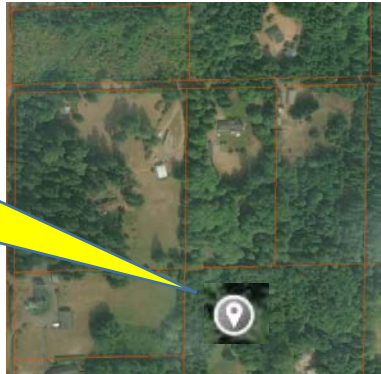
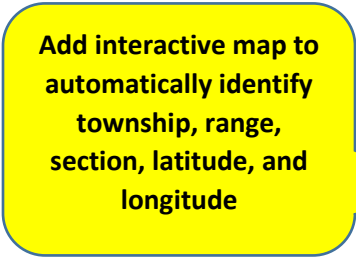
Sand/Filter pack: Yes No Size of pack material _____ in.

Notice of Intent No. _____
 Unique Ecology Well ID Tag No. _____
 Site Well Name (if more than one well) _____
 Water Right Permit/Certificate No. _____
 Property Owner Name _____
 Well Street Address _____
 City _____ County _____
 Tax Parcel No. _____
 Was a variance approved for this well? Yes No
 If yes, what was the variance for? _____
 Location (see instructions on page 2): WWM or EWM
 _____ 1/4-1/4 of the _____ 1/4; Section _____ Township _____ Range _____
 Latitude (Example: 47.12345) _____
 Longitude (Example: -120.12345) _____



Driller's Log/Construction or Decommission Procedure
 Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information. Use additional sheets if necessary.

| Material | From | To |
|----------|------|----|
| | | |
| | | |
| | | |



Change this water well report into a web form.