

**Snohomish (WRIA 7)  
Watershed Restoration and Enhancement Committee  
March Meeting Summary**

**[Committee webpage:](https://www.ezview.wa.gov/site/alias__1962/37310/watershed_restoration_and_enhancement_-_wria_7.aspx)**

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**Next Meeting:**

April 11, 12:30-3:30 pm, Willis Tucker Community Park, Gary Weikel Room  
6705 Puget Park Drive, Snohomish

**Meeting Information:**

Thursday, March 14<sup>th</sup>, 12:30-4:00 pm, Carnation Fire Station, 3600 Tolt Avenue NE, Carnation

**Agenda**

	<b>Topic</b>	<b>Time</b>	<b>Action</b>	<b>Handouts</b>	<b>Lead</b>
<b>1.</b>	<b>Welcome and Introductions</b>	12:30	None	- Agenda	Chair
<b>2.</b>	<b>Approval of agenda and February meeting summary</b>	12:35	Decision	- Agenda - February summary (limited copies)	Facilitator
<b>3.</b>	<b>Updates and Announcements</b>	12:40	-	-	Chair and All
<b>6.</b>	<b>Hydrogeology Overview</b>	12:50	Presentation and Discussion	-	John Covert, Ecology
<b>5.</b>	<b>Break</b>	1:50	-	-	-
<b>8.</b>	<b>County Planning Overview</b>	2:00	Presentations and Discussion	-	Snohomish County, King County, and Facilitator
<b>9.</b>	<b>Technical Workgroup Formation</b>	3:25	Discussion	-	Facilitator and Chair
<b>10.</b>	<b>Summer Schedule</b>	3:40	Discussion		Chair and All
<b>11.</b>	<b>Action Items and Next Steps</b>	3:45	-	-	Facilitator and Chair
<b>12.</b>	<b>Public comment- <i>limit to 3 minutes per person</i></b>	3:50	-	-	Facilitator
<b>13.</b>	<b>End</b>	4:00	-	-	Chair

\*All handouts are available on the Committee website

**Handouts:**

1. Agenda
2. Updated Committee Calendar

**SCHEDULED 2019 MEETINGS**

Thursday, April 11, 2019: Willis Tucker Community Park

Thursday, May 9, 2019: Brightwater Center

Thursday, June 13, 2019: Brightwater Center

**Committee Representatives in Attendance\***

<b>Name</b>	<b>Representing</b>	<b>Name</b>	<b>Representing</b>
Kirk Lakey	Department of Fish and Wildlife	Souheil Nasr (alternate)	City of Everett
Leah Everett	City of Lake Stevens	Mike Remington	City of Duvall
Ingria Jones	Department of Ecology	Anne Savery (alternate)	Tulalip Tribes
Mike Pattison	Master Builders Association of King and Snohomish Counties	Matt Baerwalde	Snoqualmie Tribe
Cynthia Krass	Snoqualmie Valley Watershed Improvement District	Mike Wolanek	City of Arlington
Janne Kaje	King County	Brant Wood	Snohomish Public Utility District #1
Glen Pickus	City of Snohomish	Terri Strandberg	Snohomish County
Matt Eyer	City of Marysville	Jamie Burrell	City of North Bend
Steve Nelson	City of Snoqualmie	Ben Swanson	City of Monroe
Bobbi Lindemulder	Snohomish Conservation District	Lindsey Desmul (alternate)	Department of Fish and Wildlife
Denise Beaston (alternate)	City of Gold Bar	Julie Lewis (alternate)	Snoqualmie Tribe
Liz Ablow	City of Seattle (Seattle City Light)	Perry Falcone	Snoqualmie Watershed Forum
Paul Faulds	City of Seattle (Seattle Public Utilities)	Jordan Ottow (alternate)	City of Monroe
Emily Dick (alternate)	Washington Water Trust		

**Committee Representatives not in Attendance**

<b>Representing</b>	<b>Representing</b>
Town of Index	City of Carnation

**Other Attendees**

<b>Name</b>	<b>Representing</b>	<b>Name</b>	<b>Representing</b>
John Covert	Department of Ecology	Stephanie Potts	Department of Ecology
Chelsea Jefferson	Department of Ecology	Alexa Ramos	Snohomish County
Nicole Denovio	East County Regional Water Association	Maggie Gonzales	Washington Water Trust
Tadd Schwager	Hart & Crowser	Melanie Baker	Sallal Water Association
Gretchen Glaub	Snohomish Basin Salmon Recovery Forum	Kevin Lee	Department of Fish and Wildlife
Stacy Vynne (facilitator)	Department of Ecology	Yorik Stevens-Wajda	Snohomish County Council

\*Attendees based on sign-in sheet.

## **Approval of Agenda and Meeting Summary**

There were no additions to the agenda. There were no corrections to the February meeting summary. The Committee voted to approve the February meeting summary. The final version is posted on the Committee webpage.

## **Updates from Ecology**

Ingria provided announcements on ex officio members, facilitation support, and technical support.

### *New Committee members*

The City of Gold Bar and the City of Lake Stevens will participate on the Snohomish WREC.

### *Latecomers updates*

Ingria sent a letter asking invited entities to join no later than March 14<sup>th</sup>. The following cities have declined to participate: Mukilteo, Sammamish, Granite Falls, and Skykomish. Latecomer provisions now apply. These include: The entity cannot veto, request a re-vote, or revisit items previously decided on by the Committee; the entity signs an intent to participate, provides a primary and alternate Committee member; and the entity agrees to and abides by the operating principles.

### *Operating principles*

Ingria updated the cover page of the operating principles to include an approval date by which all committee members approved the operating principles (March 4<sup>th</sup>). Ingria received all signatures as of March 14<sup>th</sup>. The operating principles are now in effect. Ingria combined all signatures into a single document that is posted on the Committee webpage.

### *Ex officio members*

If committee members have additional recommendations for ex officio members, provide Ingria with a contact or share the ex officio form with them. *Keep in mind that the Committee is very large.*

### *Technical support*

Ecology issued a work order for bid to our master list of technical consultants. The work order includes working with the Committee on: subbasin delineation, growth projections, consumptive use, and project identification and development. Ingria distributed the list of the consultants to the Committee reps for a red flag review. Ecology has chosen GeoEngineers for the work in WRIA 7. Ingria shared the draft scope of work for technical support with the technical workgroup and will share with anyone else that is interested.

### *Facilitation support*

Ecology is finalizing the scope of work negotiation with ESA, our facilitation team. Anticipate ESA will officially be on contract for our April meeting. Ingria will inform the Committee who we anticipate working with the Snohomish WREC as soon as possible.

### *Updated committee calendar*

Ecology made a few updates to the committee calendar, especially around the presentation schedule and depending on the time needed for some of the conversations that may be challenging such as growth projections.

#### *Updated committee calendar*

A WRIA 11 Plan Approval and Adoption lessons learned WebEx presentation will occur on Tuesday, March 19th from 2:30-3:30 pm. Ecology will record the presentation and provide to the committee. Included in the announcement was a link to Allison Osterberg's recent [presentation to the Chehalis Basin Partnership](https://www.youtube.com/watch?v=ILsbOVi6x4U&feature=youtu.be): <https://www.youtube.com/watch?v=ILsbOVi6x4U&feature=youtu.be>

There were no announcements from Committee members.

#### **Hydrogeology – Presentation and Discussion**

John Covert provided a presentation on Hydrogeology. The presentation is available on the committee webpage.

#### *Questions and Discussion*

- Aquifer recharge and recovery (ASR) projects put water in an aquifer, and then withdraw that water back from the aquifer later and put it to beneficial use. Managed aquifer recharge (MAR) projects put water in an aquifer (usually during the winter) by slowly allowing the aquifer to recharge and eventually supplement streamflow during the summer. MAR is working well in Walla Walla basin to recharge their aquifer and hydrographs show increase in streamflow after project implementation; springs are flowing again. There is currently an MAR project in the Dungeness watershed. Emily Dick can answer questions about this project, as Washington Water Trust is involved.
- The largest consumptive use associated with domestic wells is outside watering, where a large percentage of water used is lost to evaporation and transpiration. In Nisqually, the offset needed for the Watershed Plan Update was approximately 1 cfs, which is relatively small in comparison to streamflow in that watershed.
- There are many existing and ongoing scientific studies on the impacts of climate change and that it is likely that climate change will have a much bigger impact on the watershed than permit-exempt wells. Other challenges such as climate change and illegal water use can have a large impact on water resources. The legislature instructed the Committee to focus specifically on domestic, permit-exempt uses. The Committee will likely come up with more projects than the offset requires.
- Discussion surrounding location of projects, such as managed aquifer recharge projects. In the big picture it does not matter whether storage projects are located in gaining or losing reaches of streams. The tricky part is that ensuring there is sufficient head room in an aquifer. The project needs to be high enough in watershed where the water table does not come up to the land surface. However, even if a project is located in a losing reach, water will still end up downstream to improve streamflow.
- Municipal wells are much larger than permit-exempt, domestic wells and they usually have a much larger capacity for withdrawal.

- Potentiometric surface governs groundwater flow. Groundwater flows from areas of high hydraulic head to low hydraulic head. Head is higher in recharge areas and lower in discharge areas. Water pressure is higher in deeper aquifers.

## **County Planning – Presentations and Discussion**

### *Snohomish County*

Terri Strandberg, Principal Planner for Snohomish County's long range planning division, provided an overview presentation of Snohomish County's planning. The presentation is posted on the Committee webpage.

### *Questions and Discussion*

- In the County's proposed new water code, there are considerations of where pipes are, what connection fees and how much it costs to drill a well.
- The County is generally meeting its population growth target of 8.5% going to the rural areas; targets and population projections have been quite accurate. Original growth allocation to rural areas was 10% and that was reduced to 8.5% in around 2015.
- Puget Sound counties are on the same schedule to update their Comprehensive Plans in 2023.

### *King County*

Janne Kaje, Regional Partnerships Unit Supervisor for King County, provided an overview of King County planning as it relates to the WREC. Janne's presentation is posted on the Committee webpage.

### *Questions and Discussion*

- For King County maps, non-home parcels, such as schools, fall into the category of public lands. Mostly assume they are within cities or UGAs. There are some schools in rural areas but are unlikely to be on a permit-exempt well. There have been extensions of sewer systems to serve new schools. Use schools to help calculate how much growth they can accommodate in an area.
- Janne will find out how King County's rural growth has been aligning with rural growth targets. They have had a lot of annexation in King County so it is not as simple as counting and comparing to past plan projections.
- The City of Seattle has projections for how much municipal water new rural residents will use in its [2019 Water System Plan](http://www.seattle.gov/util/Documents/Plans/Water/WaterSystemPlan/index.htm).  
<http://www.seattle.gov/util/Documents/Plans/Water/WaterSystemPlan/index.htm>
- The Water System Plan for Seattle includes forecasts for the Tolt and Cedar Rivers and the City's wells. The City has sufficient supply until at least 2060. Conservation programs for indoor use have eliminated need to look at new source up to this point. Everett has yield forecasts for Spada Reservoir and has sufficient supply through 2100.
- Ecology has estimates for in house use at about 60 gallons/day (consumptive use). Outdoor use is the big variable. Everett has seen a reduction in water demand, despite population growth. Everett's average use is about 70-80 gpd/household. Comment and concern that water use in urban areas does not always translate to rural areas. There are differences in conservation measures applied, lot size, and irrigated yard size. Snohomish County PUD is a purveyor in both rural and urban areas. Rural water use has reduced, but is still much higher than urban use.

- King County completed an analysis of consumptive use for permit-exempt wells, based on Ecology's methods. At the April meeting, King County will present on its [King County Water Availability and Permitting Study](#):  
<https://mkcclegisearch.kingcounty.gov/LegislationDetail.aspx?ID=3823498&GUID=2B07BB69-BB8A-4E0C-8A8D-C1C36D5CDB79&Options=Advanced&Search>
- The legislature requires that the watershed restoration and enhancement plan requirement is 20 years of growth projections but the Committee has the ability to look beyond that time horizon. Ingria noted that the planning timeframe is part of the conversation on growth projections and consumptive use forecast and part of the decision we will make as a Committee. Will be having those discussions starting at the next meeting and in the workgroup meetings. For rural area population growth projections, does it matter where in the rural area? John noted that yes, this does matter and it partly depends on the rainfall pattern. Subbasin delineation will need to focus on the places in the WRIA that will likely have growth. Need maps on a finer scale to see detailed analysis.
- The USGS developed a model that estimates the rates, locations, and timing of streamflow depletion in response to groundwater pumping. USGS published a report describing the model and the effects of streamflow depletion by wells on the Committee webpage. Ingria has posted the report on the Committee webpage.  
[USGS Circular 1376- Streamflow Depletion by Wells—Understanding and Managing the Effects of Groundwater Pumping on Streamflow](#)  
[https://www.ezview.wa.gov/Portals/\\_1962/images/WREC/WRIA07/circ1376BarlowReportStreamflowDepletionByWells-2012.pdf](https://www.ezview.wa.gov/Portals/_1962/images/WREC/WRIA07/circ1376BarlowReportStreamflowDepletionByWells-2012.pdf)

### **Technical Workgroup Formation**

Ingria received interest in the workgroup from Snohomish County, King County, City of Everett, City of Seattle, Snoqualmie Tribe, Tulalip Tribes, Snohomish PUD, Snoqualmie Valley WID, and Washington Water Trust. On March 5<sup>th</sup>, Ingria gave an overview presentation to the Snohomish Forum Technical Committee on the Committee's work and a few ideas surrounding opportunities for coordination. The Technical Committee needs time to consider the best coordination options. In the meantime, Ingria has established a Technical Workgroup to stay on schedule with planned decisions.

The first Technical Workgroup meeting took place Monday, March 18<sup>th</sup> from 1-2pm. Topics will include: continue subbasin discussion (ultimate goal to work towards recommending options for the Committee's consideration) and looking at data gaps for growth projection. Notes from the meeting are posted on the Committee webpage.

### *Process*

Section 4 of the Committee's operating principles has a brief paragraph about workgroups and advisory groups (see below) that Committee can use to guide our process generally, until (and unless) the workgroup comes up with any additional ground rules or bylaws. The group needs to stay nimble to meet timelines. Group membership may change over time, depending on the focus topics of the workgroup, which are anticipated to align with the general Committee Calendar (attached). Participating in the workgroup does not necessarily mean a two-year commitment.

### *Transparency*

Any member of the Committee is welcome to join, and other individuals with interest in the process or who have relevant expertise to offer are also welcome to join.

#### *Purpose*

The purpose of the workgroup is to support the efforts of the Committee. An important initial focus of the technical workgroup be subbasin delineations and data gaps related to population projections for permit-exempt wells.

#### *Questions and Discussion*

- Committee members that sit on multiple committees will need to consider which policies, assumptions they bring to different decisions (e.g. application of growth projections). It is important to recognize that each member of the Committee is a voting member, which they can use to ensure consistency across the various committees.
- Ingria does not need to set every agenda for the Technical Workgroup-another member of the workgroup can take on this task with Ingria's input. Plan will be to have a member of the Workgroup report back to the Committee at each meeting.
- It is important to document workgroup discussions and how the group reaches recommendations and conclusions. Ingria noted that summary notes from Workgroup meetings will be generated, shared with the Committee, and posted on the Committee webpage.

#### **2019 Schedule**

Ingria provided a handout for a proposed meeting schedule and upcoming decisions. See handout on Committee webpage.

- No concerns were voiced regarding the proposed meeting schedule or holding meetings at the Brightwater Facility.
- The Committee may request a water law 101 and / or tribal law presentation if they see benefit to this process.

#### **Next Steps**

- Next meeting is April 11<sup>th</sup> at the Willis Tucker Community Park.
- Planning presentations will be posted on the Committee webpage as soon as possible.
- The Committee operating principles, effective as of March 14, 2019 are posted on the Committee webpage with signatures included.
- Next meeting topics: Presentation on King County's water availability study; presentation on consumptive use; discussion on planning from Cities; report from technical workgroup; continue discussion on sub-basins.

#### **Committee Member Action Items**

- Cities should reply to Ingria with information on exempt wells within City UGA by April 4<sup>th</sup>.
- Committee members should review Allison Osterberg's recent [presentation to the Chehalis Basin Partnership](https://www.youtube.com/watch?v=ILsbOVi6x4U&feature=youtu.be): <https://www.youtube.com/watch?v=ILsbOVi6x4U&feature=youtu.be>
- If possible, Committee members should attend the WRIA 11 Plan Approval and Adoption lessons learned WebEx presentation on Tuesday, March 19<sup>th</sup> from 2:30-3:30 pm.

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- Committee members should send Ingria any follow-up questions and comments from the hydrogeology and planning presentations.
- Committee members are encouraged to review King County's [King County Water Availability and Permitting Study](https://mkcclegisearch.kingcounty.gov/LegislationDetail.aspx?ID=3823498&GUID=2B07BB69-BB8A-4E0C-8A8D-C1C36D5CDB79&Options=Advanced&Search):  
<https://mkcclegisearch.kingcounty.gov/LegislationDetail.aspx?ID=3823498&GUID=2B07BB69-BB8A-4E0C-8A8D-C1C36D5CDB79&Options=Advanced&Search>

**Public Comment**

There was no formal public comment.

**Close**

The meeting adjourned at approximately 3:55 pm.