



ASSOCIATION OF POWER BIOLOGISTS

2022 Annual Meeting Agenda

October 26, 27 & 28, 2022

Wednesday, October 26nd, 2022

APB 2022 Meeting, Campbell's Resort, Chelan WA

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| 10:00 am - 12:00 pm | Registration |
| 12:30 pm - 12:45 pm | Maggie David (PGE): President's Opening Remarks & Welcome |
| 12:45 pm – 01:05 pm | Rich Madden (PGE): Rounde Butte Hatchery Facility Upgrades |
| 01:05 pm – 01:25 pm | Tony Fuchs (PSE): Highlights of the PSE Baker River Wildlife Program |
| 01:25 pm – 01:45 pm | Brad Trumbo (USACE): Clover Island Restoration |
| 01:45 pm – 02:05 pm | Jason Shilling (Douglas PUD): Use of UAV's in Natural Resources Management |
| 02:05 pm – 02:20 pm | Break |
| 02:20 pm – 02:40 pm | Phil Sandstrom (Tacoma Power): Is the Check Engine Light on? |
| 02:40 pm – 03:00 pm | Erik Lesko (PacifiCorp): Mitigating our Mitigation: Fish Stranding in Swift Reservoir, Washington |
| 03:00 pm – 03:20 pm | Kelly Cordell (Chelan PUD): Implementation of a Management Plan for Ute ladies'-tresses (<i>Spiranthes diluvialis</i>) |
| 03:20 pm – 03:40 pm | Andrew Gingerich (Douglas PUD): Fish Passage and Rearing at a Hydro-Combine |
| 03:40 pm – 04:00 pm | Jeff Osborn (Chelan PUD): The Creation, Construction and Success of the Chelan River Habitat Channel |
| 06:30 pm - 09:30 pm | Banquet |

Thursday, October 27rd, 2022

APB Field Day and Bowling Tournament

09:00 am - 04:00 pm Field Tours with lunch provided by APB (tour descriptions below)

07:00 pm - 09:30 pm Bowling Tournament

Field Tours -

- **Douglas County PUD: Wells Hydroelectric Project**

Summary: Douglas PUD will be hosting APB for a “Wells Tour”. To begin, we will take a tour of the Wells Hatchery facilities, in which Upper Columbia summer steelhead, summer Chinook, white sturgeon, and other fish are reared. Wells Hatchery was constructed by Douglas PUD in 1967, and underwent a major modernization project that was completed in 2017. Following the tour of the hatchery, we will explore the Wells Dam Tailrace by checking out the Carpenter Island mitigation property, searching for late-spawning summer Chinook in the Columbia River mainstem, and spending some thrilling moments gazing at the unforgettable beauty of the Wells Project and its fishway entrances from a safe distance downstream.

- **Chelan PUD: Chelan River “Reach 4” and Ute Ladies’ Tresses**

Summary: Chelan PUD staff will give a tour of the lower Chelan River including the conveyance canal, pool, habitat channel, overflow channel, and tailrace. Collectively, these areas make up the “Reach 4” of the Chelan River and represent the area that was constructed and engineered as part of the restoration commitments the District made under the Lake Chelan Settlement Agreement. Construction began in July 2008, was completed in September 2008, and year-round flows began in 2009. From 1929-2008 most of the annual flow entered the power tunnel except during periods of high flows when Lake Chelan was full. If time allows, we can view the Chelan Falls Acclimation Facility which releases approximately 575,000 Summer Chinook annually.

Summary: Chelan PUD is required, under its Rocky Reach License, to monitor and manage habitat for Ute ladies’-tresses, a federally listed (Threatened) orchid that occurs in the Project Boundary. Chelan PUD biologist will review the monitoring and habitat management plans for this species, and we can take a look at the habitat where the species occurs at the Beebe Springs Natural Area.

Tentative Field Tour itinerary below: (2 groups)

Group 1

09:30 am Leave from Chelan

10:00 am Arrive Wells Dam

10:00 am - 12:00 pm Tour of Wells Dam/Hatchery

12:00 pm - 12:45 pm	Eat lunch provided by APB at the Wells Dam Overlook Park
12:45 pm - 01:00 pm	Drive to Beebe Springs to observe Ute Ladies' Tresses
01:00 pm - 01:30 pm	Observe Ute Ladies' Tresses/walk around Beebe springs
01:30 pm - 01:45 pm	Drive to Chelan River Habitat Channel
01:45 pm - 03:00 pm	Tour of Chelan River Habitat Channel
03:00 pm - 03:15 pm	Return to Campbell's and start warming up for bowling.

Group 2

09:15 am	Leave from Chelan
09:30 am	Arrive Chelan River Habitat Channel
09:30 am - 10:45 am	Tour of Chelan River Habitat Channel
10:45 am - 11:00 am	Drive to Beebe Springs to observe Ute Ladies' Tresses
11:00 am - 12:15 pm	Observe Ute ladies' Tresses/walk around Beebe springs/eat lunch provided by APB
12:15 pm - 12:30 pm	Drive to Wells Dam
12:30 pm - 02:30 pm	Tour of Wells Dam/Hatchery
02:30 pm - 03:00 pm	Return to Campbell's and start warming up for bowling.

APB 2022 Bowling Tournament, Chelan Lanes, 518 W Manson Hwy, Chelan, WA 98816

Summary: Bowling begins at 07:00 pm at Chelan Lanes! For more information visit [Chelan Lanes](#). APB will provide drinks and pizza.



Friday, October 28th, 2022

APB 2022 Meeting, Campbell's Resort, Chelan WA

09:00 am – 09:20 am	Jim Day (USACE): Avian Predation Deterrence Using Falconry Abatement at the Dalles Dam
09:20 am – 09:40 am	Catherine Willard (Chelan PUD): Implementation of Sockeye Salmon Hatchery Program for Chelan PUD's Conservation Plan
09:45 am – 11:00 am	Dan Cramer (PGE): Round Table Discussion(s)
11:00 am - 12:00 pm	Business Meeting
01:30 pm	Optional Wells Dam Tour

- **Douglas County PUD: Wells Hydroelectric Project**

For anyone who can't get enough mid-Columbia hydropower, you may take a brief tour of the Wells Hydroelectric Project – the world's first (and best) hydrocombine. The Wells Project is the primary generating resource for Douglas County PUD. It includes ten generating units with an installed nameplate capacity of 774.3 MW and a peaking capacity of approximately 840 MW. The design of the Wells Project is unique in that the generating units, spillways, switchyard, and fish passage facilities are combined into a single structure referred to as the hydrocombine.

Meeting Fee

The 2022 APB Annual Meeting will be in-person. Additionally, there is the opportunity to pay for entertainment costs (bowling and banquet costs) separately from the meeting fee.

- Meeting attendance - \$30
- Entertainment (banquet dinner/bowling) - \$70

The Edison Electric Institute has once again offered to provide financial support to our organization. We thank the **Edison Electric Institute** and **Sara Ball** for providing support.

Please visit the [Association of Power Biologists](#) to register and pay online through PayPal (PayPal, Venmo and Debit/Credit Cards accepted). Contact Matt Peter, APB Treasurer/Secretary, at mpeter@cityoftacoma.org or 253-208-2814 with any questions regarding registration or payment. Note that if you are paying for entertainment separately, you will need to register a second time and select "Entertainment" and pay via PayPal.

Presentations and New Membership

If you would like to be a presenter at the 2022 APB Annual Meeting, please start thinking about topics to present. We encourage existing and potential members to step forward to discuss topics relevant to utility relicensing and compliance, lessons learned, success stories, case studies, and challenges. APB members would love to hear about your successes (and failures!). If you are interested in presenting, please contact the officers Maggie David and Gregg Garnett and Matt

Peter with questions or to provide your presentation title. Expect presentations to be about 15-20 minutes long, which includes time for questions.

New members are encouraged to apply and are welcome to attend the 2022 APB Annual Meeting. New member applications can be obtained from and mailed to Matt Peter, APB Treasurer/Secretary at mpeter@cityoftacoma.org.

Meeting Location and Room Reservations

The 62nd Annual APB Conference will be co-hosted by Douglas PUD and Chelan PUD in Chelan, WA on **Wednesday October 26 – Friday October 28, 2022** at the fabulous [Campbell's Resort](#) located on the shores of Lake Chelan.

For reservations as part of the APB group, please call **800-553-8225** or **509-682-2561** and reference **group reservation number 702736**. This will expedite the reservation process and ensure you are reserved under our group block and receive our group rates. Campbell's does have online reservations on their website but they are for individual leisure reservations only and will not show up on our group roster or receive our contracted group rates associated with our group block of rooms.

We look forward to seeing everyone in October!

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