



Following are general questions and answers for Pump School 2019. If you had other inquiries, please contact Cornell Pump at pumpschool@cornellpump.com. The categories break into meals, classes, travel, CEUs, and general logistics.

MEALS

- 1) Can I attend the reception Monday, September 16, 2019?

Yes. All pump school registrants and spouses may attend the reception at the Benson Hotel. Heavy *hors d'oeuvres* will be served, along with drinks. Hours for the reception are 6:00 p.m. to 9:00 p.m.

- 2) What meals are provided with Pump School?

| DATE | MEAL | LOCATION | FOOD |
|---------------------------|----------------------------|---------------------|----------------------|
| Monday, September 16th | Reception 6-9:00 p.m. | Benson | Heavy Hors d'oeuvres |
| Tuesday, September 17th | Lunch 12:00-1:00 p.m. | Hall 1 | Sandwich Buffet |
| Tuesday, September 17th | Dinner 6:30-10:00 p.m. | TBD | Dinner Entrees |
| Wednesday, September 19th | Lunch 11:30a.m.-12:30 p.m. | Factory Parking Lot | BBQ |
| Wednesday, September 19th | Cocktails 5:30-6:30 p.m. | Lobby | Drinks |

- 3) Can I bring my spouse to the Tuesday dinner?

Yes. Spouses are welcome. Location is TBD (as of 10/25/18)

CLASSES

- 4) What's the difference between basic and advanced classes?

The basic classes assume less familiarity with pumps, conditions and hydraulics. Many of the same topics (e.g. NPSHr and System curves), are covered in both sections. The advanced classes will begin with the expectation that those in attendance have some familiarity with the subject. You are free to move between the basic and advanced classes.

- 5) When do classes start/end?

Classes begin at 8:00 a.m. on Tuesday and go until 5:30 p.m. On Wednesday, the factory tour begins at 8:30 a.m.—buses will leave from the Benson at 7:45 a.m. If you choose to come back for afternoon classes at the Embassy Suites, classes will be over at 4:45 p.m. If you choose to stay at the factory for advanced training, the session will be over at 4:15 p.m. and the bus will take you back downtown at 4:30 p.m. you should arrive downtown by 5:15 p.m. (expecting normal rush hour traffic.) For more details about timing, please consult your schedule handout.

- 6) Can I switch between basic and advanced?



Yes. You can choose the topics you'd like to attend. You can stay in either session of classes the entire time, or move between them. There is also an additional mining/ industrial track this year on day two. It is your choice as to which class to attend—we trust that you'll choose the set of classes that most benefits your learning.

HOTEL ACCOMODATIONS

7) What hotel options are there for Pump School?

Cornell Pump reserves a block of rooms at the Benson Hotel (309 SW Broadway Portland, OR 97205). There are a limited number of rooms available at the Pump School Attendee rate, so it is advised to book your rooms early. There are also a number of other hotels near the Benson, including the Courtyard Marriott at 550 SW Oak St, and the Embassy Suites el at 319 SW Pine St.

TRAVEL

8) How do I get from the airport on MAX (or what are my options, e.g. car rental)

Cornell does not have an official pick up/ return to the airport. We choose the hotel we're at because the accommodations are nice AND because it is close to the MAX rail line that links the airport with downtown. You can get on the light rail train at the airport and ride to a station within two minutes of the hotel. Rides cost \$2.50 each way (with daily and weekly passes available for purchase. Passes can be download right to a smart phone.)

The red line is the line to/from the airport <https://trimet.org/schedules/maxredline.htm> and many travelers use it. You can get aboard easily with your luggage.

A hypothetical itinerary is below for around 5:00pm on a Monday from the airport to hotel. The TriMet trip planner is online at <https://trimet.org/#/planner> ; You could use the trip planner for your appropriate time/day. Trains run every 15 minutes.

Alternatively, shuttle service is available for about \$17, Uber for about \$27, taxi for about \$45 (depending on traffic), limos for about \$60, and rental cars from \$25 to \$100 per day depending on model, plus \$22+ a day to valet park. Some options are available here: <https://www.pdx.com/PDX/GroundTransportation>



TRIMET Maps & Schedules Stops & Stations Fares Guide More

Trip Planner TransitTracker Service Alerts

From **PDX, Portland** To **Benson Hotel, Portland**

Depart at 5:07pm Monday, October 29, 2018, using Rail
Quickest trip with a maximum walk of 3/4 mile
Fare for this trip: Adult: \$2.50, Youth: \$1.25, Honored Citizen: \$1.25

EDIT TRIP PRINT

| Best bet | Option 2 | Option 3 |
|---|----------------------|----------------------|
| 47 mins, 0 transfers | 47 mins, 0 transfers | 47 mins, 0 transfers |
| Walk 718 feet to Portland Int'l Airport MAX Station Stop ID 10579 | | |
| 5:11pm Board MAX Red Line to City Center & Beaverton which continues as MAX Blue Line (stay on board) | | |
| 5:51pm Get off at Pioneer Square North MAX Station Stop ID 8383 | | |
| Walk 983 feet to Benson Hotel, Portland | | |

⚠️ The 82nd Ave MAX Station elevator is closed approximately 3 months for upgrades. The MAX station is open, but access to the platform or to street level from the platform is by stairs only. For help around the closure, go to trimet.org/elevators or contact Rider Support at 503-238-RIDE (7433). As of July 23 [More](#)

Times shown are estimates based on schedules and can be affected by traffic, road conditions, detours and other factors. Before you go, check TransitTracker™ for real-time arrival information and any Service Alerts that may affect your trip. Call 503-238-RIDE (7433) or text your Stop ID to 27299.

On the trip back to the airport, many participants are leaving at the same time, and they often share cabs, splitting the cost. The other transit options (rail, shuttle, etc.) would be available as well.

9) Is transportation provided to/from the factory?

Yes. We do provide the transportation (buses with at least two Cornell staff on each bus) to and from the factory on Wednesday. Cornell's factory is approximately 14 miles from downtown. That day participants have the option of returning to classrooms for further sessions, or staying later at the factory and watching advance assembly. In either scenario, we'll get participants to and from the factory.

Wednesday morning at Embassy Suites, busses load for Cornell at 7:30 a.m. and depart for the factory at 7:45 a.m. Busses should arrive at the factory by 8:15 a.m. Busses will depart at 12:45



p.m. for Embassy Suites—if you are taking presentation classes in the afternoon, you should be on that bus. If you are staying for the afternoon advance hands on class, the bus will depart at 4:30 p.m.

10) **Can you drive to the factory?**

Yes. You may drive to the factory instead of riding the bus if you choose. The address of the factory is 16261 SE 130th Ave Clackamas, OR 97015. Please arrive between 8:00 and 8:20 a.m. to take the tour and begin hands-on classes. We'll all be entering the factory in groups at 8:30 a.m. Parking is available at the factory.

CEUs

11) **What are CEUs?**

Continuing education credits, units, or hours (listed as CEUs forward) are training credits awarded by an agency that has vetted a program or presentation, and believe it will impart value to members, especially in keeping up training and learning in the area of expertise. The award agency assigns a value of credit to the classes.

Cornell is proud to again offer CEUs from OESAC, the Oregon Landscape Contractors' Board, and Washington DOE.

12) **What do I have to do to earn CEUs**

To earn CEUs you must sign in and out of class every day, near the registration table. We'll have special clip boards with the tracking sheet. Once you have completed your classroom or hands on training on Wednesday, September 19th, and have used the sign in/out form, you'll be able to choose between OESAC, LCB, and DOE certificates.

Cornell will also provide all attendees with a certificate of completion for attending Pump School 2019.

13) **Are other CEUs offered?**

Cornell has applied for confirmation from OESAC and LCB. Their certification may be transferable to other organizations, who have a similar role in other states. We have previously applied for other organization's certification (e.g. California CWEA and Massachusetts DEP). If you are looking for CEUs from states other than Oregon, we will work on applying. Your help in getting form and appropriate contacts at the agency is appreciate.

In any case, CEUs other than OESAC, LCB, or DOE should be sought as soon as possible. Many organizations will only grant status before the class takes place.

GENERAL LOGISTICS



14) What things should I do in Portland while I'm here?

Portland offers eclectic night life, a vibrant food scene, and close location to great fishing, hiking, beaches, and mountain getaways. It depends greatly on the amount of time you have and what transportation you have at your disposal. Close to the hotel though are world famous VooDoo Doughnuts—the line can be up to two blocks long to enjoy these fanciful doughnuts such as bacon topped maple bar, fruit loop covered crueller, and grape ape® glazed; made with Grape Koolaid® powered. Chinatown, with Lan Su Chinese gardens is also very close by. And food carts galore—Portland is the epicenter of the food cart revolution, with more than 600 food carts in the city. Several collections of carts (pods) are only a few blocks from the hotel. For a few dollars you can try a world of food. The same can be said about Portland's beer scene—there are five breweries within easy walking distance of the Embassy Suites, and more a cab, Uber, or MAX ride away.

Link to the Portland Visitors Bureau: <http://traveloregon.com/cities-regions/greater-portland/>

15) When is Pump School 2020?

Pump School 2020 is tentatively set for September 15 & 16, 2020. This is subject to change.

16) When do I get presentations/handouts?

You'll receive all the classes (day one and two) presentations on a memory stick at the end of pump school. You have a condensed hydraulic data book, Installation and Care Guide, and Hydraulic Seminar workbook in your welcome packet. Brochures and additional materials are available at near the registration table.