

ALASKA CAPITAL ENGINEERS

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MARCH EVENTS

Virtual Presentation with Brian Holst on Juneau Economic Development Council

Date: 3/10/2020

Time: 12:00pm

Place: WebEx

MESSAGE FROM BRANCH PRESIDENT LUCAS CHAMBERS

Hello Alaska Capital Engineers,

We had an excellent presentation this week from Brian Holst, Executive Director of the Juneau Economic Development Council. This week's presentation snuck up on us and I know we were late to get out the meeting invite so if you were unable to attend the presentation please go to the ASCE Juneau Branch website and watch it.

I want to take the opportunity of this officer's intro to bring your attention to an important subject for all Alaska civil engineers because it is directly tied to our work here in the state. House Bill 104 known as the Alaska Gas Tax Bill will be taking public testimony at a virtual hearing on March 16, 2021 at 1:30 pm. A very rough summation of the bill is that it is proposing to increase the motor fuel tax from 8 cents to 16 cents per gallon and institute a biennial \$100 registration fee for electric vehicles. During the February ASCE Alaska Section meeting the board passed a motion to support HB 104 and will support the participation of membership promoting the bill. For a full copy of the bill and more information on upcoming hearings please visit the Alaska State Legislature website:

https://www.akleg.gov/basis/Bill/Detail/32?Root=HB104#tab1_4

In closing I would like to reiterate Micki's message from last month. We are looking for individuals who are interested in joining the board for the 2021-2022 year. Hopefully, we will be able to return to in person lunch-ins next year and being a part of the Juneau ASCE board is a great opportunity to give back to the industry and get to know and collaborate with fellow Juneau engineers. If you are interested, please reach out to us via this email.

We are still working to secure next months presenter so stay tuned for the newsletter next month to find out.

Sincerely,

Lucas Chambers, PE

Juneau Branch President



PRESENTATION SUMMARY

Juneau Economic Development Council Presentation

Brian Holst, Executive Direction from the Juneau Economic Development Council, joined us to discuss Juneau's economy since COVID. Some of the topics discussed included how the lack of tourism for two seasons impacts employment rates, small businesses, and the housing market in Juneau. Mr. Holst talked about what other industries we have in Juneau that make us more well-rounded than some of the other communities in Southeast. He also shared an app called "The Local Frequency", which is an initiative to help small, local businesses. If you missed this presentation, it is recorded and can be found on our website

<http://branches.asce.org/juneau/home>.

SPEAKER BIO

Since 2008, Brian Holst serves as the Executive Director of the Juneau Economic Development Council. Before joining JEDC, Brian worked in community and economic development internationally for twenty years. His previous experience includes working with local and national stakeholders in challenging economic and political circumstances in the developing world, with extensive experience leading countrywide programs in Latin America and Eastern Europe. Brian has directly managed implementation of programs in micro-finance, home improvement lending, environmental planning, disaster mitigation and response, business support services and various construction efforts ranging from energy to schools to roads.

Brian is a graduate of Juneau-Douglas High School and the University of Notre Dame. He served as a US Peace Corps Volunteer in small business development and has also worked as an international consultant and small business owner.



Brian is committed to the prosperity of Juneau and the wellbeing of Alaskans. Brian serves Juneau and Alaska in numerous capacities, including serving on the Alaska State Committee on Research, UAF Alaska Center for Energy and Power, UAS Campus Advisory Council, the Alaska Committee as well as being active in service groups. He is a staunch advocate for developing talent early and serves on the Alaska Early Childhood Coordinating Council and is a member of the Juneau Board of Education. His family in Juneau includes his wife Estela, four children, parents, siblings, nieces, and nephews.

2021-2022 CALL FOR NOMINATIONS

DUE SEPTEMBER 31ST, 2021

IT'S TIME TO THINK ABOUT OUR HARD-WORKING FRIENDS AND COWORKERS! THE ASCE JUNEAU BRANCH IS LOOKING FOR NOMINATIONS TO FILL THE 2021-2022 SECRETARY POSITION. JOINING THE ASCE JUNEAU BRANCH BOARD IS A GREAT OPPORTUNITY TO BECOME MORE INVOLVED WITHIN THE ENGINEERING COMMUNITY IN JUNEAU. PLEASE CONSIDER NOMINATING SOMEONE WORKING IN ENGINEERING FOR THIS YEAR'S ELECTION. NOMINATION FORMS ARE POSTED ON THE ASCE JUNEAU BRANCH WEBSITE.

ASCE ALASKA SECTION, JUNEAU BRANCH 2021-2022 SECRETARY NOMINATIONS

REQUIREMENTS:

- THE NOMINEE SHALL BE A JUNEAU RESIDENT.
- THE NOMINEE SHALL BE WORKING IN THE FIELD OF ENGINEERING.

DREAM BIG, ENGINEERING OUR WORLD

All around the world, engineers are pushing the limits of ingenuity and innovation in unexpected, imaginative, and amazing ways. Dream Big: Engineering Our World, a giant-screen film about engineering, takes viewers on a journey of discovery from the world's tallest building to a bridge higher than the clouds. Along the way, the audiences witness how today's engineers are shaping the world of tomorrow.



MATH COUNTS

The regional level mathletes competed in a two level virtual regional competition to seed them into the State Competition being held on March 25.

The top four mathletes from the Southeast Region two level competition have been invited to attend the virtual State Competition and they are

Dzantik'i Heeni Middle School (Juneau, AK) Mahi Bhatt

Floyd Dryden Middle School (Juneau, AK) Dan R Degener

Home Bridge Juneau Alaska (HomeBRIDGE, AK) Denali JF Schijvens

Montessori Borealis Adolescent Program (Juneau, AK) Finn Lamb

The top individuals qualifying for the National MATHCOUNTS competition from each state receive an all-expenses-paid trip to the 2021 Raytheon Technologies MATHCOUNTS National Competition, which takes place May 8-11 in Washington, DC. As of now the event is planned as an in-person event.

The MATHCOUNTS Foundation is a 501(c)3 non-profit organization that reaches students in grades 6-8 in all US states and territories with extracurricular math programs. More than a quarter million students participate each year.

<https://www.mathcounts.org/>

For information on MATHCOUNTS in Juneau, or to volunteer, contact Doug Murray (doug@murray@pdceng.com)



Members of last year's Southeast regional MATHCOUNTS winning team



MICRO-HYDROPOWER PROJECT LAUNCHED IN OREGON

By Catherine A. Cardno, Ph.D.

March 3, 2021

The city of Hillsboro, Oregon, has launched a \$400,000 micro-hydropower project using a prototype of In-PRV, a new technology that generates clean, carbon-free energy as it reduces excess pressure in drinking water pipelines. The pressure-reducing valve technology was developed by InPipe Energy (inpipeenergy.com), a small Portland startup founded in 2016 by Gregg Semler.

[Read More>>>](#)

PROFESSIONAL DEVELOPMENT HOURS

The ASCE Juneau Branch will provide electronic continuing education development hour certificates for those who are interested in tracking development hours received by attending the Alaska Capital Engineers presentations to hear speakers present on engineering topics. All virtual presentations will be recorded and posted on our website. Email the PDH phrase to events@alaskacapitalengineers.org to receive credit. Certificates can be found on the branch webpage: <http://branches.asce.org/juneau/>

ASCE JUNEAU BRANCH WEBSITE

Bookmark this website for easy access to the PDH certificates, new and archived newsletters, contact information and much more: <http://branches.asce.org/Juneau/>

For questions or concerns regarding the Juneau Branch ASCE website, please contact Janice Wells.

ACCESSENGINEERING

Developed in partnership with McGraw-Hill Education, ASCE members now have FREE and unlimited usage of this award-winning engineering reference tool: www.asce.org/AccessEngineering

MEMBERSHIP AND RENEWAL

Thank you for your continued membership and support for ASCE and NSPE. Our professional organizations provide a great opportunity to network with other members of the engineering profession. Select the links below for society membership information.

[ASCE Membership Information](#)

[NSPE Membership Information](#)

2020-2021 ALASKA CAPITAL ENGINEERS OFFICERS

ASCE

President – Lucas Chambers, PE
Vice President – Janice Wells, PE
Treasurer – Micki Minsch, EIT
Secretary – Sean Kelly, EIT
Past President – Ethan Roemeling, PE
Emeritus – Matt McGuan, PE

Special Committees

School Outreach/STEM Coordinator - Please Volunteer
Dream Big Coordinator - Please Volunteer

ASPE - Alaska Society Contacts

Past President – Chris Miller, PE
President – Craig Blesdoe, PE
President Elect – Vacant
Secretary - Leora Houtary, PE
Treasurer – Iain McPherson, PE
NSPE House of Delegates - Brad Fristoe, PE
Anchorage Chapter Director – Craig Blesdoe, PE
Fairbanks Chapter Director - Frank Wuttig, PE
Juneau Chapter Director - Darrell Wetherall, PE



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**PDC is an Equal
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All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, or protected veteran status and will not be discriminated against on the basis of disability.

Ongoing Recruitment

We always have room for more talent. If this position isn't the right one for you but you still feel like you'd be a great addition to our team, visit www.pdceng.com/open-positions and let us know what position you're interested in. We'll make sure your information gets into the right hands.



www.PDCENG.com

Civil Engineer

Position Opening

PDC, a **RESPEC** Company, is seeking a civil design engineer to join our full-service engineering team! We design innovative world-class projects utilizing state-of-the-art technologies. Experience providing technical leadership within civil engineering and diversified knowledge of engineering practices is a must. This is a management position for utility and site design projects; a great career opportunity for a dynamic, energetic individual with proven technical and leadership skills.

Qualifications/Skills:

- B.S. in Civil or Engineering
- Alaska Professional Civil Engineer License, or ability to obtain within one year
- 5+ years' of cold regions experience
- AutoCAD & Civil 3D proficiency
- GIS experience is a plus
- Able to manage team and contracts on multiple projects concurrently
- Detail oriented & well organized with demonstrated ability to meet deadlines
- Strong verbal & written communication skills

Compensation: Salary DOE. We offer competitive pay, excellent benefits (healthcare, retirement, disability & life insurance, paid time off, 10-holidays/year) and advancement opportunities, continuing education, and professional societies. PDC, a division of RESPEC, is 100-percent employee-owned.

This position is available in our Fairbanks and Juneau office. Submit your cover letter and resume to PDC Engineers, Attn: Human Resources, PO Box 32723, Juneau, AK 99803 or at jobs@pdceng.com.

Interviews are by appointment only. Open until filled.

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PDC is an Equal Opportunity Employer

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, or protected veteran status and will not be discriminated against on the basis of disability.

Ongoing Recruitment

We always have room for more talent. If this position isn't the right one for you but you still feel like you'd be a great addition to our team, visit www.pdceng.com/open-positions and let us know what position you're interested in. We'll make sure your information gets into the right hands.



www.PDCENG.com

Professional Land Surveyor

Position Opening

PDC, a **RESPEC** Company, is seeking an experienced Professional Land Surveyor to join our full-service engineering team to lead and grow our Southeast Survey Department in Juneau, AK.

The successful candidate will be licensed as a Professional Land Surveyor (PLS) in the state of Alaska. Duties include establishing legal boundaries of properties, subdivision plats, Dept. Of Natural Resources plats (ASLS, ATS, Accretions). This position facilitates work for small to large projects and entails the ability to work on many type of survey works, collaborating with multi-discipline engineering staff, clients, and other invested individuals to review and coordinate findings; interprets survey data and calculates geodetic measurements to determine shapes, positions, and elevations of geomorphic and topographic features. Schedules, assigns, supervises work of survey parties, engages in collection, processing and mapping of survey data. Provides advanced professional, technical, day-to-day support, guidance, and input to staff and other team members. Prepares project submittals to ensure that project budgets are met and reviews each project upon completion for quality assurance.

Qualifications/Skills:

- Registered land surveyor in Alaska
- 5+ years of relevant work experience
- Proficient in Trimble Business Center and AutoCAD with Civil 3D desired
- Experience with GPS equipment, total station instruments, data collectors
- Boundary, control, Bathymetric, and topographic survey experience
- Thorough understanding of the principles, practices, and procedures of land surveying
- In depth knowledge of federal and state laws related to land surveying
- Excellent mathematical skills to conduct land survey analysis
- Strong verbal & written communication skills
- Ability to work on multiple projects concurrently and meet deadlines

Compensation: Salary depends on experience. We offer competitive pay, excellent benefits (healthcare, retirement, disability & life insurance, paid time off, 8-holidays/year) and advancement opportunities, continuing education, and professional societies. We are 100-percent employee-owned.

Submit your resume to PDC Engineers, Attn: Human Resources, PO Box 32723, Juneau, AK 99803 or at jobs@pdceng.com.

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The Department of Transportation and Public Facilities (DOT&PF) Southcoast Region Design & Engineering Services is seeking a professional Technical Engineer I/Architect I to join our team in Juneau and help our mission to *Keep Alaska Moving through service and infrastructure.*

This position functions as the Southcoast Region's Reconnaissance Engineer and assists planners with early project scoping and estimates. The Reconnaissance Engineer advances some projects to the point that a reconnaissance report can be finalized with recommended alternatives and then handed off to a design team. The position also supervises one engineering assistant and utilizes in-house staff or consultants to advance some projects through final plans, specs and estimate depending on workload.

The Working Environment you can Expect

This position reports to the DOT&PF, Southcoast Region, 7-mile office located in Juneau. You will be in a management role supervising the design of roads and airports in communities stretching from Adak to Kodiak and Yakutat to Ketchikan to meet the needs of our communities.

Desired Skills

- Experience with cost estimating on a large variety of transportation, marine, and airport civil engineering projects;
- Experience applying value engineering principles to recommend the best project alternative to advance;
- Ability to develop final plans, specifications and estimates for transportation related civil design projects;
- Good writing skills and ability to develop technical documents, such as Reconnaissance Reports, Design Study Reports, etc.;
- Familiarity with AK DOT&PF, FHWA, and FAA project development criteria

Minimum Qualifications

Registration as a professional engineer (PE) or professional architect, and two years of professional engineering or architectural experience as an Engineer I, Architectural Assistant III or higher with the State of Alaska, or the equivalent elsewhere.

Competitive Benefits

State of Alaska provides competitive health and retirement benefits.

<ul style="list-style-type: none"> • Medical / Vision / Dental Insurance • Single or Family Coverage • Different Cost and Coverage Options • Life Insurance • Disability Insurance • Accidental Death & Dismemberment • Generous leave accrual • Holiday pay • And More 	<p>The PERS / TERS retirement benefit is only available to permanent positions.</p> <ul style="list-style-type: none"> • Public Employees Retirement System (PERS) • Matching employer contribution • Employer contributions 100% vested after 5 years • Alaska Supplemental Annuity Plan in lieu of Social Security • Retirement health savings account contributions
<p>Complete Job Listing Workplace Alaska https://www.governmentjobs.com/careers/alaska Job Number 27427 / PCN 25-0118 Closes: 1/26/21</p>	

The City & Borough of Juneau, Alaska
is now accepting applications for
Eng./Arch Assistant II, Eng./Arch
Associate, or Eng./Arch I

Benefits:
12 Holidays
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Questions?
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HRRM Director
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This recruitment will be
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The level at which the selected applicant is
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qualifications and other job related requirements.

Vacancy #1 - Management of planning, design and construction
projects specifically associated with city road reconstruction, water,
wastewater and storm water utility infrastructure improvements, and
recreation facilities such as playgrounds, sport fields and trails.

Vacancy #2 - Management of planning, design and
construction projects specifically associated with renovation
and new construction of city facilities including libraries, fire
stations, medical facilities, recreational facilities, and schools

Apply at:
<https://juneau.org/human-resources>

This announcement
remains open
until filled.

Location: The City and Borough of Juneau (CBJ) is the major population and economic center in southeastern Alaska and the capital of the state.

The City is located in an extremely beautiful setting on Alaska's Inside Passage, surrounded by tree-covered mountains in the middle of the largest temperate rain forest in North America.

The CBJ encompasses an area of 3600 square miles, has a population of approximately 32,500, and possesses numerous recreational opportunities for the adventurous. Juneau is on the marine highway system and is only accessible by air or ferry.

Department: The Engineering and Public Works Department Engineering Division offers a wide variety of services including planning, design, and construction of the municipal capital improvement projects for civic buildings, schools, parks, streets, & a wide variety of public facilities. The Division has 23 employees, ten of which are in the Capital Project unit and are responsible for management of \$10-20 million in capital improvement projects annually.

Applicants:

The successful candidate will have strong knowledge and experience in building design, construction and project management. The successful candidate will possess a wide range of skills including contract negotiation, project budgeting, cost estimating, and construction inspection. Strong communication skills, both written and oral, and attention to detail are essential traits of the successful applicant. The applicant should also be comfortable leading meetings, maintaining effective working relationships with government agencies, client departments, contractors and consultants, resolving conflict and building consensus where there are differing opinions, responding to public inquiry about projects, and presenting project information in a public forum. A Bachelor's Degree from an accredited college or university in Engineering, Architecture or Construction Management, or a closely related field is desired. Applicants should have a minimum of two years experience in engineering, construction, or architecture. Registration as a Professional Engineer or Architect is highly desirable but not required.

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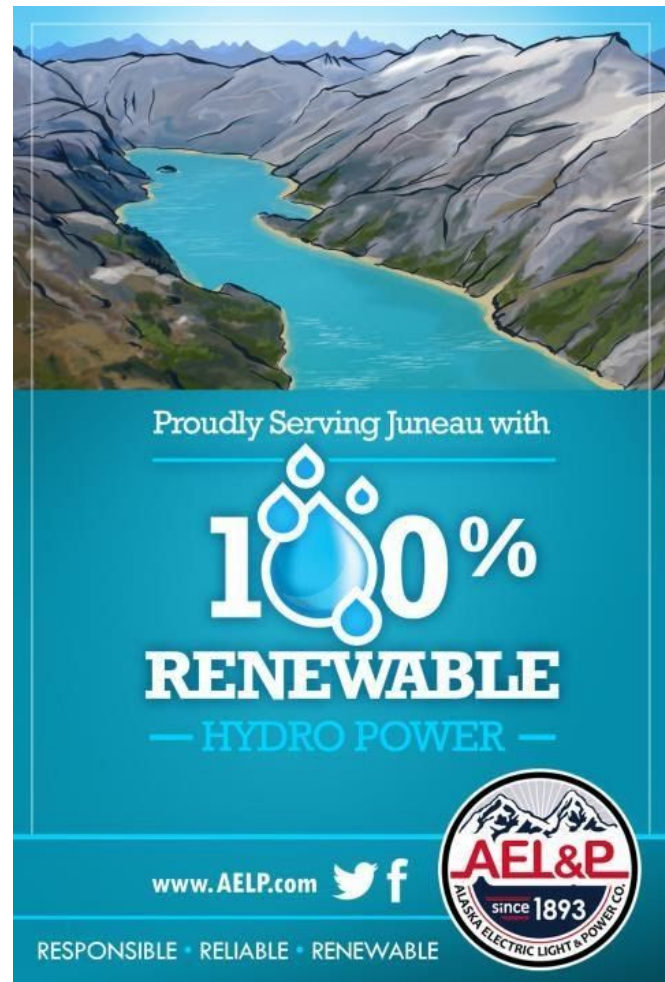
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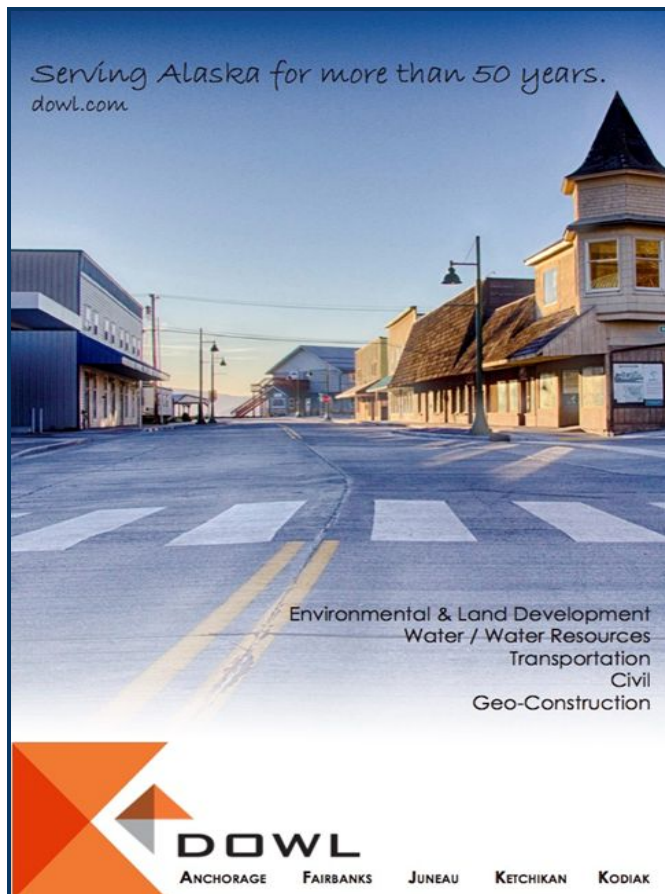
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