

March 2019

ALASKA CAPITAL ENGINEERS

Upcoming Events

March Luncheon (3/13/19) –
Speaker: USDA Forest Service,
Location: AEL&P

April Luncheon (4/10/19) –
Speaker: TBD, Location: TBD

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March Menu Lunch Buffet

Catered by Breeze In

\$20 per person

\$10 under 35 years old

Thanks to Don Gotschall

Location: AEL&P

Contact Matt McGuan to submit ideas
for luncheon Speakers:

Matthew.V.McGuan@uscg.mil

Some Thoughts on This Year's Banquet

by Don Beard, PE

During this year's banquet, our office was pleased to receive the 2018-19 Outstanding Project of the Year award for our work on the Downtown Seawalk from the Bridge to Gold Creek. We were honored to receive the award and I'd like to reiterate the gratitude that I expressed to the City, subconsultants and contractors.

At the banquet, I glanced through the program and noticed that one of the scholarship students this year was Rachel Macaulay. After the banquet, I called up her father Andy and discovered that she's at the University of Portland studying mechanical engineering.

This brought back memories for me of her grandfather, Ladd, and the first time our office was selected for a project of the year award, which was 29 years ago in 1990 for the Macaulay Salmon Hatchery. I remember that too was a contentious project – one of the first “mom and pop” hatcheries to receive a major state loan. Perhaps not as much public controversy as the Seawalk project had during its construction – there was no internet back then - but the hatchery was the subject of much speculation on how well it would perform and whether the state loan money was well-placed. A lot has happened since then and DIPAC has managed its facilities and fish returns exceedingly well – and repaid the state \$42 million in principal and interest.

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Some Thoughts on This Year's Banquet (cont'd)

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I don't think any of us can say with certainty how our projects will turn out in the next 10, 20 or 30 years. Times change and unexpected events occur - sometimes for the good, sometimes for the not so good. As with all the past and future "Projects of the Year", it will be interesting to watch the Seawalk evolve over time, and hopefully be completed over the full length of Juneau's waterfront.

And who knows? Sometime over the next 29 years, Rachel Macaulay may be standing up at an Engineers' Week banquet to accept an award.

Don Beard, P.E. | Project Manager
Tetra Tech, Inc. | Engineering & Architecture Services
217 Second Street, Suite 207 | Juneau, Alaska 99801 |
www.tetrattech.com



March Luncheon: Mendenhall Glacier Master Plan



John Neary has been Director of the Mendenhall Glacier Visitor Center (MGVC) for six years. The MGVC attracts over 600,000 people per year to see the ice, salmon and bears, and the Visitor Center and surroundings are feeling the pinch. Crowding is beginning to affect experiences and the Forest Service has been conducting a Master Planning effort to address improvements.

John will speak about solutions proposed in the Master Plan and how they would solve problems, provide safety, and improve experiences for the estimated one million people expected by 2037. More than \$80 million in improvements are being proposed.

John Neary
Director
Mendenhall Glacier Visitor Center
USDA Forest Service
Tongass National Forest
Juneau Ranger District
www.fs.fed.us

Where: AEL&P
**When: Wednesday, March 13,
Noon to 1**



Congratulations, Laura Kelly, PE, 2018 Engineer of the Year!



A Juneau resident and long-time employee of the US Coast Guard, **Laura Kelly, PE**, has worked her way from an entry-level civil engineer in Kodiak to Supervisory Engineer for the Civil Engineering Unit in Juneau. Laura has been one of the key driving forces behind much of the progress made by the Alaska Seismic Hazards Safety Commission, but most notably she was directly responsible for successful efforts to evaluate the structural integrity of Alaska's schools using Rapid Visual Screening.

Congratulations, Downtown Seawalk, 2018 Project of the Year!

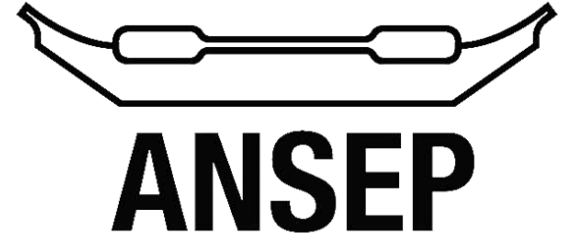
Juneau Downtown Seawalk - Douglas Bridge to Gold Creek



Thank You, Alaska Native Science and Engineering Program!



For providing an enlightening and inspiring program during our 2018 Engineer and Project of the Year awards banquet, the Alaska Capital Engineers wishes to express our sincere gratitude to ANSEP and **Michael Ulroan**.



Statewide Active Transportation Master Plan

The Alaska Department of Transportation and Public Facilities and DOWL will host a virtual-public open house for the Alaska Statewide Active Transportation Master Plan 2019. The purpose of this open house is to provide the public with an **opportunity to review the master plan, ask questions and provide comments to the planning team.**

The public open house and 45-day comment period commences March 18, 2019 and concludes May 3, 2019.

Note: This is an in-person open house (in Anchorage) with **concurrent virtual streaming and the ability to review the presentation digitally and provide comments after the open house.** Please check back to the website as a link will be provided to the virtual streaming presentation materials on the day of the open house (Monday, March 18, 5:30pm):

<http://www.akbikeped.com/>



Family STEM Event

- **ARE YOU A “STEM ENTHUSIAST?”**
- Are you involved in science, technology, engineering, or hands-on math in your field of work? Do you enjoy spending your free time tinkering, building, or exploring?
- **Would you share a Saturday morning helping kids to explore an activity or experiment related to your area of expertise?**
- **We want to help families encourage students’ curiosity about the world!**
- We're looking for volunteers to lead or support hands-on activities at a community-wide **STEM Event for K-5 Families** hosted by the Juneau STEM Coalition and Juneau School District. Please share this invite with others who might be interested!!

What: Activity leaders for the STEM Night for K-5 Families

When: Saturday, April 6 (Activities run from 10:00 am - 12:30 pm)

Where: Dzantik'i Heeni Middle School

How: If you are interested in helping out, please email below:

For more info, go to <https://juneastem.org/> or email juneastemcoalition@gmail.com

Juneau
STEM
coalition



ASCE News Brief

Key to Sustainability Found in Nontraditional Partnerships

BY Ben Walpole

February 26, 2019



It would be foolish to think that one person, or even one profession, could alone solve the challenges of climate change and sustainability.

Old thoughts die hard, though.

“There’s a perception that engineers work in their own space,” said Cris Liban, P.E., ENV SP, F.ASCE, executive officer of environment and sustainability for the Los Angeles County Metropolitan Transportation Authority. “That’s so not the case anymore.

“I’m not trying to work in my silo of excellence here. I’m trying to be collaborative with everyone else. In the broader sustainability space, that’s just how things work now in most jurisdictions across the planet.”

Certainly, collaboration and diversity are key tenets in ASCE’s approach to sustainability, and as chair of the Society’s Committee on Sustainability, Liban has applied these ideas to his work on the 2019 International Conference on Sustainable Infrastructure, coming to Los Angeles Nov. 7-9. [Read More >>](#)

“I think it’s really about having all the stakeholders come together to work together,” said Paul Lee, a civil engineer with the Los Angeles Department of Water and Power. PHOTO: Paul Lee



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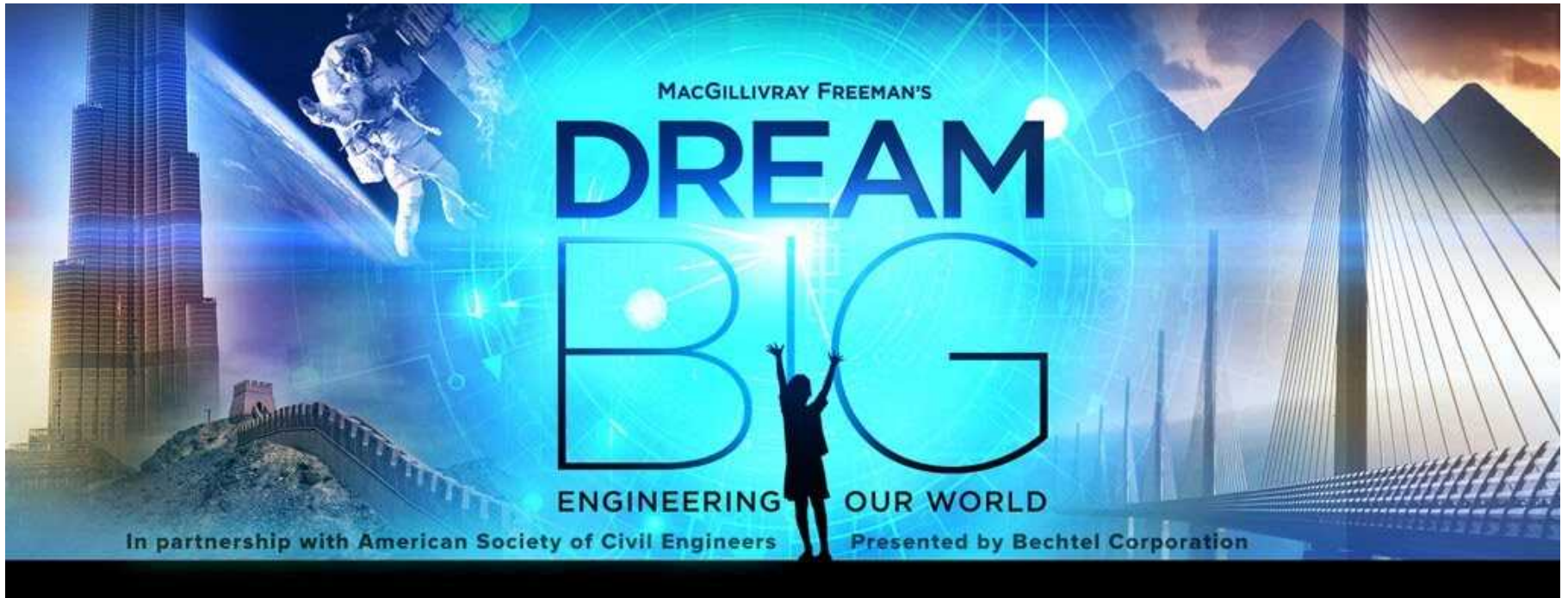


Members of last year's Southeast regional MATHCOUNTS winning team from Dzantik'i Heeni Middle School. From left: coach Mary Borthwick, Marina Lloyd, Krishna Bathija, Addy Mallott and Edward Hu. (Kevin Gullufsen | Juneau Empire)

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 (dougmurray@pdceng.com)



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.

PND Engineers is Hiring (Civil Engineer)



PND Engineers seeks a highly motivated civil design engineer with current P.E. registration and 5-10 years of professional experience for a key position in our dynamic, multidiscipline Juneau office. The award-winning team in this office performs challenging civil design and construction administration projects with special emphasis in Alaska's beautiful coastal environments. You will work on a variety of interesting projects, including roadway, utilities and waterfront facility design, project management, and contract administration. The successful candidate will have the opportunity to gain valuable experience through some travel within Southeast Alaska for design presentation, inspection, or related field activities. Apply online at www.pndengineers.com.

PND Engineers is an Equal Opportunity and Affirmative Action Employer.



PDC Engineers is Hiring (Civil Engineer)

This is a hands-on design and management position for utility, site and transportation design projects. Applicant must have experience providing technical leadership within civil engineering and diversified knowledge of engineering and construction practices. Candidates must possess strong communication skills, and the ability to lead a multidiscipline team, manage projects and interact with clients. This is 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, 10+ years' of 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.

PDC is a 100-percent employee-owned company. We offer competitive pay, excellent benefits and advancement opportunities. PDC is an Equal Opportunity Employer.

This position is available in our Juneau office. Submit your cover letter and resume to PDC Engineers at jobs@pdceng.com.



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 Luncheons to hear speakers present on engineering topics. 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 events calendar, 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 Ethan Roemeling.

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




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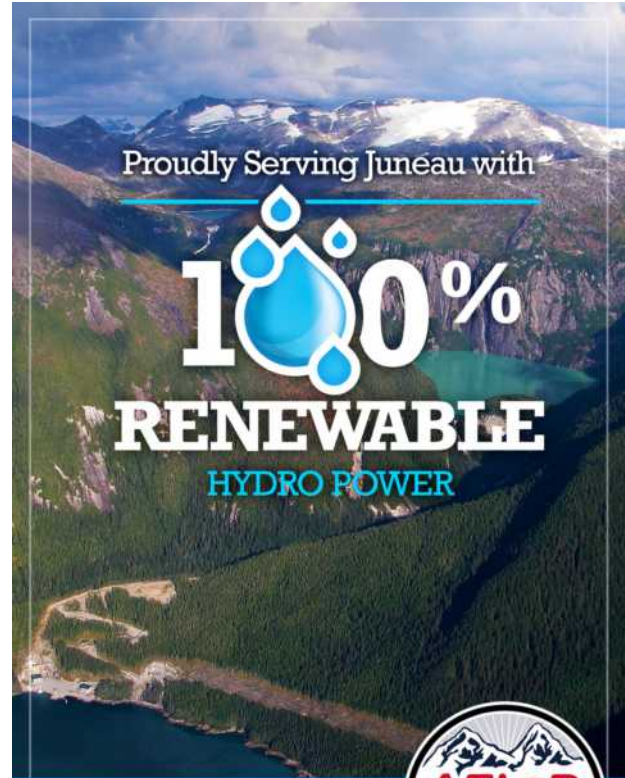
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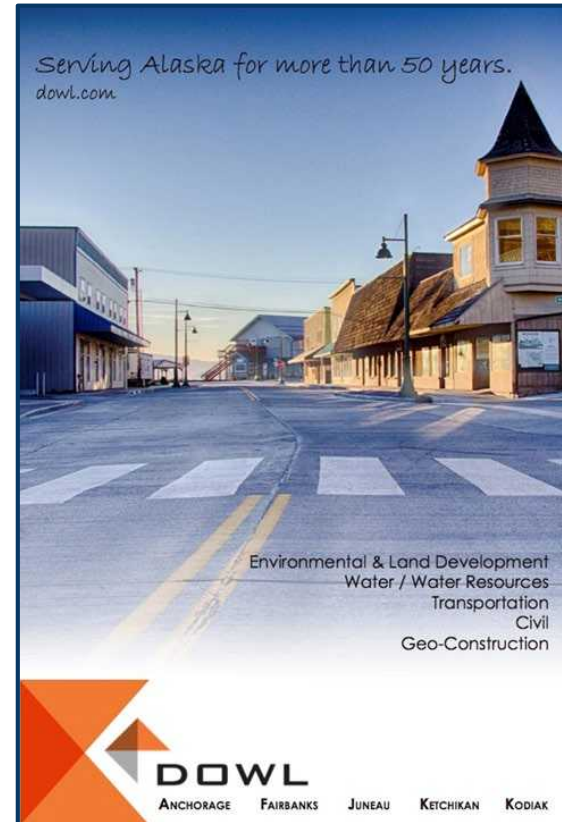


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907-586-6400

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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](#)

2018-2019 Alaska Capital Engineers Officers

To support Alaska Capital Engineers, consider sponsoring this newsletter.

Contact Matt McGuan at:

Matthew.V.McGuan@uscg.mil

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President - Matt McGuan, PE

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Past President - Mike Story, PE

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DiscoverE Week - Please Volunteer

Halibut Feed - Please Volunteer

ASPE - Alaska Society Contacts

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