

ASSEMBLY HUMAN RESOURCES COMMITTEE THE CITY AND BOROUGH OF JUNEAU, ALASKA

November 25, 2019 6:00 PM
Assembly Chambers

AGENDA

I. ROLL CALL

II. APPROVAL OF AGENDA

III. APPROVAL OF MINUTES

- A. September 16, 2019 HRC Minutes-DRAFT

IV. PUBLIC PARTICIPATION

(Not to exceed a total of 10 minutes nor more than 2 minutes for any individual).

V. AGENDA TOPICS

A. Board Matters

1. Juneau Economic Development Council - Appointments

There are three seats on the Juneau Economic Development Council up with term expiration's as of October 31, 2019; two public seats and one organized labor representative seat.

The three seats have terms beginning immediately and ending November 1, 2022.

There is also one public seat, previously held by Keith Comstock, open for an unexpired term beginning immediately and ending November 1, 2021.

Juneau Economic Development Council interviewed applicants and a memo from JEDC has been included in this packet with appointment recommendations.

2. Review/Recommendation of Funding Request from Juneau Human Rights Commission

B. Other Business

1. Upcoming Interviews for Bartlett Regional Hospital Board, Planning Commission and Docks & Harbors Board

Meeting dates for the full Assembly to sit as the Human Resources Committee for Empowered Board applicant interviews are set for Thursday, December 5, 2019 and Wednesday, December 18, 2019 both at 5:30 p.m. in City Hall Conference Room 224.

The deadline to submit an application was Friday, November 22, 2019 and the following number of applications have been received for each board:

Docks/Harbors Board - 6 applications

Hospital Board - 8 applications

Planning Commission - 5 applications

Interview questions will be emailed out on Tuesday, November 26 after the HRC has had a chance to review the questions and make any changes if they choose to do so. Only those applicants who return the questions/responses will be set up with an interview time so the above number of applicants may reduce.

The HRC members can decide and give direction to the Clerk's Office of which Empowered Boards they would like to interview on which nights.

2. Communication Between Advisory Boards

3. Boards/Committee Recruitment Discussion

Finding ways to increase citizen interest in applying for and serving on a board or committee.

VI. STAFF REPORTS

VII. COMMITTEE MEMBER COMMENTS AND QUESTIONS

VIII. ADJOURNMENT

ADA accommodations available upon request: Please contact the Clerk's office 72 hours prior to any meeting so arrangements can be made to have a sign language interpreter present or an audiotape containing the Assembly's agenda made available. The Clerk's office telephone number is 586-5278, TDD 586-5351, e-mail: city.clerk@juneau.org

ASSEMBLY HUMAN RESOURCES COMMITTEE

September 16, 2019 6:00 PM

Assembly Chambers

MINUTES

I. ROLL CALL

The Assembly Human Resources Committee was called to order at 6:00 p.m.

HRC Members Present: Chair, Rob Edwardson, Alicia Hughes-Skandijs, Carole Triem and Wade Bryson

HRC Members Absent: None

Others Present: Deputy Municipal Clerk Diane Cathcart, Municipal Clerk Beth McEwen, Assemblymember Loren Jones, Assemblymember Mary Becker, Planning Manager Alix Pierce, ADA Chair Becky Harrington and St. Vincent de Paul General Manager Brad Perkins

II. APPROVAL OF AGENDA

Ms. Triem requested the Survey Updated item be moved to the November 4, 2019 Assembly Human Resources Committee, seeing no objection, agenda approved as amended.

III. APPROVAL OF MINUTES

A. 2019-06-24 Assembly Human Resources Committee Minutes-DRAFT

Minutes approved as presented

B. 2019-07-22 Assembly Human Resources Committee Minutes DRAFT

Minutes approved as presented

IV. PUBLIC PARTICIPATION

None

(Not to exceed a total of 10 minutes nor more than 2 minutes for any individual).

V. AGENDA TOPICS

A. Board Matters

A. Americans with Disabilities Act (ADA) Committee Appointment & Annual Report

ADA Chair, Elizabeth 'Becky' Harrington was in attendance to answer questions from the committee regarding the annual report from the ADA Committee.

Ms. Harrington addressed the need for better communication and understanding

regarding service animals both within CBJ Departments and creating a better public awareness and education. Discussion was had regarding trying to find more solutions to interpreter needs at the Hospital; right now there is a video remote interpreting machine but training staff or having live interpreters would be ideal.

MOTION: by Mr. Bryson to forward to the full Assembly for approval, the recommendation to reappoint Pamela Mueller-Guy to the ADA Committee for a term beginning immediately and ending August 31, 2022. **Hearing no objection, motion passed.**

B. Douglas Advisory Board Appointment

MOTION: by Ms. Triem to forward to the full Assembly for approval, the recommendation to reappoint Teri Tibbett and Mary Kay Pusich to the Douglas Advisory Board for terms beginning immediately and ending September 30, 2022. **Hearing no objection, motion passed.**

C. Community Development Block Grant Presentation and Recommendation

Alexandra Pierce, Community Development Planning Manager, gave a presentation on the Community Development Block Grant (CDBG) process and the two proposals received. The Community Development Department (CDD) received two grant applications, one from Tlingit & Haida Regional Housing Authority for playground upgrades and one from St. Vincent de Paul.

CDD recommends submitting the St. Vincent de Paul proposal for the CDBG. St. Vincent de Paul had applied last year and did not receive the grant. They have reapplied this year and adjusted their needs after recommendations from the State regarding last years proposal. The St. Vincent proposal would benefit the needs of a greater majority of those citizens in need within the City and Borough of Juneau.

MOTION: by Ms. Hughes-Skandijs to recommend the Assembly Human Resources Committee forward the St. Vincent de Paul proposal for a Community Development Block Grant to the full Assembly for approval. **Hearing no objection; motion passed.**

D. Other Business

A. Survey Update

VI. STAFF REPORTS

VII. COMMITTEE MEMBER COMMENTS AND QUESTIONS

VIII. ADJOURNMENT

With no further business to come before the committee; meeting was adjourned at 6:22 p.m.



JEDC.org
612 West Willoughby Ave. Suite A
Juneau, AK 99801
Phone 907-523-2300
Fax 907-463-3929

**Board of Directors
Juneau Economic Development Council
612 West Willoughby Avenue
Juneau, AK 99801**

November 15, 2019

**Assembly of the City and Borough of Juneau
155 South Seward Street
Juneau, AK 99801
Attention: Beth McEwen, Municipal Clerk**

RE: Recommendations to the CBJ Assembly for appointment of members of the Board of Directors of the Juneau Economic Development Council

Dear CBJ Assembly:

The Juneau Economic Development Council (JEDC) seeks the assistance of the City and Borough of Juneau (CBJ) Assembly to make four appointments to our Board of Directors. In accordance with the Bylaws of JEDC, the membership of the JEDC Board of Directors is comprised as follows:

- The Mayor of the City and Borough of Juneau or the Mayor's designee from the CBJ Assembly;
- The Chancellor of University of Alaska Southeast (UAS) or the Chancellor's designee from UAS;
- One member appointed by the CBJ Assembly representing organized labor;
- One member appointed by the CBJ Assembly representing a nonprofit environmental organization;
- Seven (7) members appointed by the CBJ Assembly based upon their experience and expertise in fields relating to economic development, including but not limited to large and small business, entrepreneurship, natural resource development, tourism, banking and finance, engineering and construction, and government.

Board Members serve staggered three-year terms and may serve two consecutive terms. In Article Four, Section 2, Paragraph E, of JEDC Bylaws, it states:

"The JEDC shall publish notice of vacancies on the JEDC Board of Directors. The JEDC Board or a recruitment committee will review and may interview candidates for the JEDC Board of Directors. The JEDC Board will forward the names of recommended candidates to the CBJ Assembly. The CBJ Assembly will appoint JEDC board members."

In accordance with our Bylaws, notice of vacancies on the JEDC Board of Directors was posted to the CBJ and JEDC websites, through social media, JEDC newsletter and word of mouth. Four seats need to be filled. There are two At-Large Seat openings with terms expiring on on/about November 2022, one At-Large Seat for an unexpired term expiring on/about November 2021 and one Seat Representing Organized Labor with a term expiring on/about November 2022.

At the meeting of the JEDC Board of Directors on Wednesday, November 6, the Board reviewed eight applications, interviewed eight candidates, and then made recommendations to the CBJ Assembly for appointment to the JEDC Board of Directors. The Board appreciates each of these citizens who applied to serve on the JEDC Board of Directors. We had an excellent applicant pool. The eight candidates that applied and were interviewed are:

1. Alexander Kotlarov
2. Garrett Schoenberger
3. Loretto Gustafson
4. Melissa Kookesh
5. Paul Nowlin
6. Aurora Agee
7. John Nemeth
8. Chris Dimond

The JEDC Board of Directors recommends to the CBJ Assembly that the following persons be appointed to the JEDC Board:

1. Alexander Kotlarov to a an At-Large Seat for a three-year term expiring on/about November 2022. Mr. Kotlarov currently works as an Operations Research Analyst at NOAA Fisheries. Raised in Ketchikan and a long-time resident of Juneau, Mr. Kotlarov has worked in Valdez, Seattle, Russia, and Scotland ranging from maritime operations to commercial fishing. Mr. Kotlarov graduated from the London School of Economics with a Masters in Sea Use Law Economics & Policy Making in 1992. He recently received a Ph.D. in Natural Resource in Sustainability Resource Economics from the University of Alaska Fairbanks.
2. Garrett Schoenberger to a an At-Large Seat for a three-year term expiring on/about November 2022. Raised in Juneau, Mr. Schoenberger is the Co-Founder and Managing Partner of Alaska Legacy Partners where he specializes in real estate and venture capital. Mr. Schoenberger has experience in acquisitions, land development, and landlord and tenant representation in Washington and Arizona. He received a Bachelor of Science, Cum Laude, in Business Marketing in 2004.
3. Melissa Kookesh to a an At-Large Seat to complete an unexpired term expiring on/about November 2021. Ms. Kookesh currently serves as the Chair of the Board of Kootznoowoo, Incorporated. She is a Legislative Aide to Senator Bert Stedman. Ms. Kookesh has deep knowledge of Southeast tribal work from her time at Central

- Council Tlingit & Haida Indian Tribes of Alaska from 2005 to 2014. She received a Certificate in Tribal Management from the University of Alaska, Fairbanks in 2014.
4. Chris Dimond to a Seat Representing Organized Labor for a three-year term expiring on/about November 2022. Mr. Diamond currently works as a Labor Organizer for Pacific Northwest Regional Council of Carpenters. He has 23 years of construction experience, which includes work as a foreman, general foreman, and superintendent. Mr. Diamond received training from the Southern Alaska Carpenters Training Center and the Carpenters International Training Center.

On behalf of the JEDC Board of Directors, we look forward to your appointments.

The JEDC Board of Directors would like to thank the following Board Members who are ending their service on the Juneau Economic Development Council: Nadine Lefebvre, Keith Comstock, Mitch Jackson, and Marc Wheeler.

Regards,

A handwritten signature in black ink, appearing to read "Brian Holst", enclosed within a hand-drawn oval.

Brian Holst
Executive Director



City and Borough of Juneau, AK

Juneau Economic Development Council

Board Roster



Marc Wheeler open seat

1st Term Nov 07, 2016 - Nov 01, 2019

Appointing Authority Assembly

Position Voting Member

Category Public

Dais Seat 10



Nadine Lefebvre open seat

1st Term Nov 07, 2016 - Nov 01, 2019

Appointing Authority Assembly

Position Voting Member

Category Organized Labor Representative

Dais Seat 5



Mitch Jackson open seat

2nd Term Nov 04, 2013 - Nov 01, 2019

Appointing Authority Assembly

Position Voting Member

Office/Role Secretary

Category Public

Dais Seat 4



Susan Murray

1st Term Jan 08, 2018 - Nov 01, 2020

Appointing Authority Assembly

Position Voting Member

Category Non-Profit Environmental Rep.

Dais Seat 9

**Lauren MacVay****3rd Term** Nov 07, 2012 - Nov 01, 2020**Appointing Authority** Assembly**Position** Voting Member**Office/Role** Chair**Category** Public**Dais Seat** 6**Brandon Cullum****2nd Term** Nov 10, 2014 - Nov 01, 2020**Appointing Authority** Assembly**Position** Voting Member**Category** Public**Dais Seat** 3**Jake Carpenter****1st Term** Nov 26, 2018 - Nov 02, 2021**Appointing Authority** Assembly**Position** Voting Member**Category** Public**Dais Seat** 8**Alec Mesdag****3rd Term** Nov 26, 2018 - Nov 02, 2021**Appointing Authority** Assembly**Position** Voting Member**Category** Public**Dais Seat** 7**Beth Weldon****1st Term** N/A - N/A

No Recruitment

Appointing Authority Assembly**Position** Voting Member**Office/Role** Mayor**Category** Mayor Seat**Dais Seat** 11



Rick Caulfield

1st Term N/A - N/A

No Recruitment

Appointing Authority Assembly

Position Voting Member

Category UAS Chancellor

Dais Seat 1



Wade Bryson

1st Term N/A - N/A

No Recruitment

Appointing Authority Assembly

Position Voting Member

Office/Role Mayor's Alternate

Category Mayor's Alternate

Dais Seat 12



Vacancy

Appointing Authority Assembly

Position Voting Member

Category Public

Dais Seat 2

Application Form

Profile

NOTE: PLEASE BE AWARE THAT ALL INFORMATION YOU PROVIDE ON THIS FORM AND ATTACHMENTS ARE OPEN TO PUBLIC REVIEW AND DISCLOSURE PURSUANT TO THE ALASKA PUBLIC RECORDS ACT.

[When completing the application, please put your "**MAILING**" address in the first address block labeled "**HOME.**" The optional secondary address field is for your "**RESIDENCE**" address.]

Alexander

First Name

Kotlarov

Last Name

Email Address

Home Address

City

Primary Phone

Alternate Phone

Suite or Apt

State

Postal Code

NOAA Fisheries

Employer

Operations Research Analyst

Job Title

Residence Address if different from your Mailing "Home" Address listed above

Residence Address Line 2

Residence City

Juneau

Residence State

Alaska

Residence Postal Code

99801

Comments

Have lived in Alaska all my line in Juneau for over 20 years

Secondary Email Address (if any)

Which Boards would you like to apply for?

Juneau Economic Development Council: Submitted

Are you applying for reappointment to this board?

☐ Yes ☒ No

If you are applying for more than one board, how many total boards are you willing to serve on?

☒ 1

Special Needs - please list any special needs below such as need for sign language interpreter, etc...

none

Interests & Experiences

Please tell us about yourself and why you want to serve. [Please respond to each of the below questions and don't just write "see attached resume."]

Please explain, with specificity, your reasons for applying to serve on this particular board.

I'm very interested in the Economic Development of Juneau, I have worked with Juneau Economic Development on other projects volunteering, I feel that there are many important issues that are going on that will affect Juneau and I would like to get more involved in the process.

Please select the type of board seat for which you are applying *

☒ General Public Seat

Please list any organizations for which you currently serve as a board member, officer, or employee.

Park and Rec board - Juneau Employment Advisory Board, NOAA- Two years - One year as Chair

Employment/Volunteer History: Please list any previous work or volunteer experience you have serving on a board.

Boy Scouts- My son just received his Eagle Scout badge from troop 247 Lego Robotics- 4 teams made it to State in Anchorage and one to Nationals Food Bank- Helping each year as part of the Boy Scouts. Other volunteering in countless Charter School, High School events to support our two children.

Education/Training: Please list both formal and informal education & training experiences:

EDUCATION University of Alaska, Fairbanks, Alaska Ph.D. Resource Economics, Natural Resource in Sustainability, , December 2019 London School of Economics, London UK MSc ECON Sea Use Law Economics & Policy Making 1992 University of London Biological Center Millport Scotland Northeastern University, Boston, MA BS Pre Law- Criminal Justice 1988-1990 University of Alaska, Fairbanks, Alaska Political Science 1985-1987 (transferred to Boston)

Licenses/Certifications etc... Please list any professional licenses, certifications, or registrations that may be considered a qualifying criteria for the board to which you are applying.

Captains License: November 1990, received maritime 100 Ton Masters License for Inland Waters 1990 Visiting Scientist, Food and Agriculture (FAO) Fisheries and Agriculture Department. Primary duties included updating the Global Fishery Database (6 Months). Rome, Italy 2008 Adjunct Professor: University of Alaska Southeast where I taught courses in Marine Policy and Economics 2003-05 Washington D.C. US Congress Intern Senator Frank Murkowski, 1985 Washington D.C. US Representative Intern Congressman Don Young 1985

[Kotlarov_CV_2019_update.pdf](#)

Upload a Resume

Demographics

The following **optional** information is requested so appointments to boards and commissions reflect the diversity of individuals within the community. If you are applying for a board with age criteria such as the Juneau Commission on Aging or the Youth Activities Board, please include your D.O.B. in the field below.

Ethnicity

☒ Caucasian/Non-Hispanic

Gender

☒ Male

Date of Birth

Acknowledgement/Certification

In order to submit this application, please read and agree to the following statement:

I understand that this is a volunteer position appointed by the City and Borough of Juneau Assembly and requires regular attendance at meetings. I further understand that this application is public information and the merits of my appointment may be discussed at a public forum. In addition, my name may be published in a newspaper or other media. I agree that if I am appointed to serve on a board or commission, I will follow all the laws, procedures, and practices associated with the service of a CBJ boardmember. I certify that the information in this application is true and accurate.

☒ I Agree

Application Form

Profile

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[When completing the application, please put your "MAILING" address in the first address block labeled "HOME." The optional secondary address field is for your "RESIDENCE" address.]

Aurora Agee

First Name Middle Initial Last Name

Email Address

Home Address

City

Suite or Apt

State

Postal Code

Primary Phone

Alternate Phone

First National Bank Alaska Lending Branch Manager

Employer Job Title

Residence Address if different from your Mailing "Home" Address listed above

Residence Address Line 2

Residence City

Residence State

Residence Postal Code

Comments

Secondary Email Address (if any)

Which Boards would you like to apply for?

Juneau Economic Development Council: Submitted

Are you applying for reappointment to this board?

☐ Yes ☒ No

If you are applying for more than one board, how many total boards are you willing to serve on?

☒ 2

Special Needs - please list any special needs below such as need for sign language interpreter, etc...

None at this time.

Interests & Experiences

Please tell us about yourself and why you want to serve. [Please respond to each of the below questions and don't just write "see attached resume."]

Please explain, with specificity, your reasons for applying to serve on this particular board.

As a lifelong Alaskan I am passionate about the growth, development, and diversification of our economy. I wish to serve on the Board of the Juneau Economic Development Council in order to play a role in the fostering of opportunity for Juneau and Southeast residents. I want to serve all of the local economy, not just those segments I touch in my professional banking career.

Please select the type of board seat for which you are applying *

☒ General Public Seat

Please list any organizations for which you currently serve as a board member, officer, or employee.

None at this time.

Employment/Volunteer History: Please list any previous work or volunteer experience you have serving on a board.

Denali Chamber of Commerce Board Member May 2016 through May 2018. Bylaws Committee Chair, Events Committee Co-Chair, Membership Committee Co-Chair. McKinley Village Volunteer Fire Department Board Secretary 2017-2018. Committee Member Juneau Chamber of Commerce Events Committee 2018-current.

Education/Training: Please list both formal and informal education & training experiences:

Robert Service High School, diploma May 1997 University of Alaska Anchorage, BBA in Management with Minor in Economics December 2011

Licenses/Certifications etc... Please list any professional licenses, certifications, or registrations that may be considered a qualifying criteria for the board to which you are applying.

Upload a Resume

Demographics

The following **optional** information is requested so appointments to boards and commissions reflect the diversity of individuals within the community. If you are applying for a board with age criteria such as the Juneau Commission on Aging or the Youth Activities Board, please include your D.O.B. in the field below.

Ethnicity

☒ Caucasian/Non-Hispanic

Gender

☒ Female

Date of Birth

Acknowledgement/Certification

In order to submit this application, please read and agree to the following statement:

I understand that this is a volunteer position appointed by the City and Borough of Juneau Assembly and requires regular attendance at meetings. I further understand that this application is public information and the merits of my appointment may be discussed at a public forum. In addition, my name may be published in a newspaper or other media. I agree that if I am appointed to serve on a board or commission, I will follow all the laws, procedures, and practices associated with the service of a CBJ boardmember. I certify that the information in this application is true and accurate.

☒ I Agree

October 30, 2019

Dear Board Member of Juneau Economic Development Council,

As a lifelong Alaskan I am passionate about the growth, development, and diversification of our economy. I wish to serve on the Board of the Juneau Economic Development Council in order to play a role in fostering opportunity for Juneau and Southeast residents.

Currently, I work as a Lending Branch Manager for First National Bank Alaska. In this role I oversee all Branch operations and act as loan officer for consumer and commercial loans. I have the opportunity to serve First National's customers through providing funds and services to start up, expand, or otherwise invest in their businesses. My position allows me to observe the movement of funds throughout the various sectors of the Southeast economy, including tourism, retail, construction, non-profit, and fishing. I have established relationships in many Southeast communities such as Haines, Skagway, Sitka, Angoon, Hoonah, and, Wrangell. My wish, through service with the Juneau Economic Development Council, is to serve all sectors of our local economy, not just those with traditional banking relationships.

My prior board experience with the McKinley Village Volunteer Fire Department and the Denali Chamber of Commerce provided me with an understanding of a Board's role in setting direction and policies of an organization. During my service with McKinley Fire Department the board formalized all department operations through writing and implementation of Standard Operating Procedures and equipment and maintenance tracking programs. Additionally, I served as board secretary and led the rewrite of their Bylaws. While on the Denali Chamber Board, I served as chair for the Bylaws committee, and co-chair for the Events and the Membership committees. I also spearheaded a rewrite of large sections of Denali Chamber's Bylaws.

Please also consider I have minor in economics from the University of Alaska Anchorage and I currently volunteer for a diverse group of organizations in Juneau, including Juneau Nordic Ski Team, 4-H youth ski club, Juneau Gastineau Rotary, Sister Cities, and Juneau Chamber of Commerce events committee.

I greatly appreciate your consideration of my application to the Juneau Economic Development Council Board. Professional references are available upon request.

Respectfully,



Aurora Agee

Application Form

Profile

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[When completing the application, please put your "**MAILING**" address in the first address block labeled "**HOME.**" The optional secondary address field is for your "**RESIDENCE**" address.]

Christopher Dimond
First Name Middle Initial Last Name

[Redacted]
Email Address

[Redacted] [Redacted]
Home Address Suite or Apt
 [Redacted] [Redacted]
City State Postal Code

[Redacted] [Redacted]
Primary Phone Alternate Phone

Pacific Northwest regional
 council of carpenters Lead Representative
Employer Job Title

Residence Address if different from your Mailing "Home" Address listed above

[Redacted]

Residence Address Line 2

Residence City

Douglas

Residence State

AK

Residence Postal Code

99824

Comments

Secondary Email Address (if any)

Which Boards would you like to apply for?

Juneau Economic Development Council: Submitted

Are you applying for reappointment to this board?

☐ Yes ☒ No

If you are applying for more than one board, how many total boards are you willing to serve on?

☒ 1

Special Needs - please list any special needs below such as need for sign language interpreter, etc...

N/A

Interests & Experiences

Please tell us about yourself and why you want to serve. [Please respond to each of the below questions and don't just write "see attached resume."]

Please explain, with specificity, your reasons for applying to serve on this particular board.

As the statewide Lead representative for the Carpenters Union in Alaska, I feel I fit the need for the open Labor seat on the JEDC Board. I have held this position for three years. I have been involved with the High Schools to promote career technical education as well as providing assistance and guidance for high school students to achieve a career. I also serve as our Organizations Political lead, which entails interviewing candidates for public office, lobbying our labor interests, organizing political actions, and staying up to date on current city and statewide issues pertinent to Labor. As a rep for the Carpenters Union, I also sit on the Juneau Central Labor Council and the Juneau Building Trades. I track (as much as I can) all new building and infrastructure projects in Juneau and throughout SE Alaska. As the Lead Rep for our organization, I also must keep an eye on other building and infrastructure/development projects across the state, especially where I have staff working. I am a member of Docks and Harbors and I believe my construction and labor experience as well as board experience would also lend itself to a good fit with the JEDC Board.

Please select the type of board seat for which you are applying *

☒ Criteria specific seat as listed in the board's governing legislation

Please list any organizations for which you currently serve as a board member, officer, or employee.

CBJ Docks and Harbors board. Juneau Central Labor Council (member). Juneau Building Trades (member). Trustee for Carpenters Local 1281. Lead Representative for Carpenters Union in Alaska

Employment/Volunteer History: Please list any previous work or volunteer experience you have serving on a board.

Organizing our membership for various events and projects; Political rally's, fundraisers, campaign help, various community building projects. I also volunteered to sit on the Finance committee for Docks and Harbors, as well as being the Docks and Harbors liaison to the CBJ Assembly Lands Committee

Education/Training: Please list both formal and informal education & training experiences:

JDHS Graduate. Southern Alaska Carpenters Training Center (my apprenticeship). I was an instructor for the Southern Alaska Carpenters Training Center, which involved numerous classes for teaching and construction.

Licenses/Certifications etc... Please list any professional licenses, certifications, or registrations that may be considered a qualifying criteria for the board to which you are applying.

I have held countless certifications for the construction industry, but I am not certain they would be pertinent to this seat.

[Chris_Resume__1_.pdf](#)

Upload a Resume

Demographics

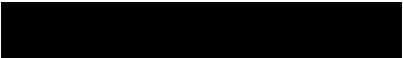
The following **optional** information is requested so appointments to boards and commissions reflect the diversity of individuals within the community. If you are applying for a board with age criteria such as the Juneau Commission on Aging or the Youth Activities Board, please include your D.O.B. in the field below.

Ethnicity

☒ Caucasian/Non-Hispanic

Gender

☒ Male


Date of Birth

Acknowledgement/Certification

In order to submit this application, please read and agree to the following statement:

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☒ I Agree

Application Form

Profile

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[When completing the application, please put your "**MAILING**" address in the first address block labeled "**HOME.**" The optional secondary address field is for your "**RESIDENCE**" address.]

Garrett

First Name

Schoenberger

Middle Initial

Last Name

Email Address

Home Address

City

Primary Phone

Alternate Phone

Suite or Apt

State

Postal Code

Alaska Legacy Partners

Employer

Managing Partner

Job Title

Residence Address if different from your Mailing "Home" Address listed above

Residence Address Line 2

Residence City

Residence State

Residence Postal Code

Comments

Secondary Email Address (if any)

Which Boards would you like to apply for?

Juneau Economic Development Council: Submitted

Are you applying for reappointment to this board?

☐ Yes ☒ No

If you are applying for more than one board, how many total boards are you willing to serve on?

None Selected

Special Needs - please list any special needs below such as need for sign language interpreter, etc...

Interests & Experiences

Please tell us about yourself and why you want to serve. [Please respond to each of the below questions and don't just write "see attached resume."]

Please explain, with specificity, your reasons for applying to serve on this particular board.

To leverage my real estate and investment experience and provide vision representing Juneau's next generation

Please select the type of board seat for which you are applying *

☒ General Public Seat

Please list any organizations for which you currently serve as a board member, officer, or employee.

Co-Founder and Managing Partner for Alaska Legacy Partners

Employment/Volunteer History: Please list any previous work or volunteer experience you have serving on a board.

Education/Training: Please list both formal and informal education & training experiences:

Bachelor of Science - B.S. - W.P Carey School of Business - Arizona State University

Licenses/Certifications etc... Please list any professional licenses, certifications, or registrations that may be considered a qualifying criteria for the board to which you are applying.

Arizona Real Estate Salesperson License (2005-2012) Alaska Real Estate Salesperson License (2018-)

[Garrett_W._Schoenberger_-_PE_-_Resume.pdf](#)

Upload a Resume

Demographics

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Ethnicity

☒ Caucasian/Non-Hispanic

Gender

☒ Male



Date of Birth

Acknowledgement/Certification

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☒ I Agree

Application Form

Profile

NOTE: PLEASE BE AWARE THAT ALL INFORMATION YOU PROVIDE ON THIS FORM AND ATTACHMENTS ARE OPEN TO PUBLIC REVIEW AND DISCLOSURE PURSUANT TO THE ALASKA PUBLIC RECORDS ACT.

[When completing the application, please put your "**MAILING**" address in the first address block labeled "**HOME.**" The optional secondary address field is for your "**RESIDENCE**" address.]

John S Nemeth
First Name Middle Initial Last Name

[Redacted]
Email Address

[Redacted] [Redacted]
Home Address Suite or Apt
[Redacted] [Redacted]
City State Postal Code

[Redacted] [Redacted]
Primary Phone Alternate Phone

JBT Development & THC Alaska CEO/Co-Founder
Employer Job Title

Residence Address if different from your Mailing "Home" Address listed above

[Redacted]

Residence Address Line 2

Residence City

Juneau

Residence State

AK

Residence Postal Code

99801

Comments

Secondary Email Address (if any)

Which Boards would you like to apply for?

Juneau Economic Development Council: Submitted

Are you applying for reappointment to this board?

☐ Yes ☒ No

If you are applying for more than one board, how many total boards are you willing to serve on?

None Selected

Special Needs - please list any special needs below such as need for sign language interpreter, etc...

Interests & Experiences

Please tell us about yourself and why you want to serve. [Please respond to each of the below questions and don't just write "see attached resume."]

Please explain, with specificity, your reasons for applying to serve on this particular board.

I was referred by a former board member whom has always had great things to say about the JDEC. I have now lived in the CBJ for 5 years and believe I have a lot to add to this particular sector. Since moving to Juneau I've started 3 thriving businesses and employ 15 people. Juneau has a lot to offer and I would like to see it continue to be a focal point for the State of Alaska, its residents, and visitors. My experience working with the city of Detroit in the early stages of its redevelopment, as well as the city of Phoenix, will bring a great approach to providing Juneau a sustainable future.

Please select the type of board seat for which you are applying *

☒ General Public Seat

Please list any organizations for which you currently serve as a board member, officer, or employee.

Chairman of the Board for JBT Development, Top Hat Concentrates, and Top Hat Cannabis. CBJ Downtown Business Association Infrastructure Committee.

Employment/Volunteer History: Please list any previous work or volunteer experience you have serving on a board.

Detroit Renaissance Project board volunteer (sponsored and prepared 25 blocks of downtown Detroit for re-development) Hurricane relief volunteer (organized relief groups to travel to hurricane ravaged regions to rebuild homes over a 4 year period) Annual United Way volunteer/sponsor for efforts to feed the homeless

Education/Training: Please list both formal and informal education & training experiences:

Michigan State University: Eli Broad Business School PMP Certification Built and sold 3 personal real estate development companies, served as Project Manager on 25 new construction restaurant builds, and 18 other residential projects.

Licenses/Certifications etc... Please list any professional licenses, certifications, or registrations that may be considered a qualifying criteria for the board to which you are applying.

AMCO Marijuana Cultivation License AMCO Marijuana Product Manufacturing License

[Upload a Resume](#)

Demographics

The following **optional** information is requested so appointments to boards and commissions reflect the diversity of individuals within the community. If you are applying for a board with age criteria such as the Juneau Commission on Aging or the Youth Activities Board, please include your D.O.B. in the field below.

Ethnicity

☒ Caucasian/Non-Hispanic

Gender

☒ Male


Date of Birth

Acknowledgement/Certification

In order to submit this application, please read and agree to the following statement:

I understand that this is a volunteer position appointed by the City and Borough of Juneau Assembly and requires regular attendance at meetings. I further understand that this application is public information and the merits of my appointment may be discussed at a public forum. In addition, my name may be published in a newspaper or other media. I agree that if I am appointed to serve on a board or commission, I will follow all the laws, procedures, and practices associated with the service of a CBJ boardmember. I certify that the information in this application is true and accurate.

☒ I Agree



2315 Industrial BLVD, STE A/B
Juneau, AK 99801

John S Nemeth
john@thcalaska.com
907-290-3433
10/25/2019

JDEC Board/CBJ Assembly
612 W Willoughby Ave, STE A
Juneau, AK 99801

Members of the JDEC Board and CBJ Assembly,

This letter is a follow-up to my recent application for appointment to a public seat on the JDEC Board. I currently own and operate 3 businesses in the CBJ. The revenue from those businesses stays in the CBJ and we are proudly "Made in Alaska" certified.

My 17 years of being an entrepreneur, urban development background, and 5 years in the CBJ make me an ideal candidate. I have a unique perspective and passion for growing/diversifying Juneau's economy.

Look forward to getting started.

Sincerely,

A handwritten signature in black ink, appearing to read "John S. Nemeth".

John S Nemeth

Application Form

Profile

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Loretto L Gustafson

First Name

Middle Initial

Last Name

Email Address

Home Address

City

Primary Phone

Alternate Phone

Suite or Apt

State

Postal Code

City of Juneau Water Safety Instructor

Employer

Job Title

Residence Address if different from your Mailing "Home" Address listed above

Residence Address Line 2

Residence City

Residence State

Residence Postal Code

Comments

Secondary Email Address (if any)

Which Boards would you like to apply for?

Docks & Harbors Board: Submitted
Juneau Economic Development Council: Submitted

Are you applying for reappointment to this board?

☐ Yes ☒ No

If you are applying for more than one board, how many total boards are you willing to serve on?

☒ 2

Special Needs - please list any special needs below such as need for sign language interpreter, etc...

none

Question applies to multiple boards

How many hours per month are you able to serve?

10

Interests & Experiences

Please tell us about yourself and why you want to serve. [Please respond to each of the below questions and don't just write "see attached resume."]

Please explain, with specificity, your reasons for applying to serve on this particular board.

I believe in giving back to a community I love. I am a lifelong Alaskan.

Please select the type of board seat for which you are applying *

☒ Criteria specific seat as listed in the board's governing legislation

Please list any organizations for which you currently serve as a board member, officer, or employee.

none

Employment/Volunteer History: Please list any previous work or volunteer experience you have serving on a board.

Docks and Harbors Board for the City of Juneau Board of Directors AWARE - Board of Directors Douglas Island Neighborhood Association Board of Directors

Education/Training: Please list both formal and informal education & training experiences:

Coach for AWARE, Inc. for Girls on the Run. Juneau, AK. Juneau, AK Attended the Council on Domestic Violence & Sexual Assault 2019 Alaska Primary Prevention Summit: Finding Common Ground-Working Together to Prevent Violence. Anchorage, March 2019. CASA (Court Appointed Special Advocate) Office of Public Advocacy, Fairbanks, Alaska. 2004-2007 Volunteer at the Lutheran and the Douglas Island Methodist churches to feed homeless families and children in the school lunch program. Juneau: Present

Licenses/Certifications etc... Please list any professional licenses, certifications, or registrations that may be considered a qualifying criteria for the board to which you are applying.

Captain license Master 100 ton Dive Master NAUI and PADI Red Cross CPR, AED, 1st Aid Texas Tech University Bachelor of Arts 1999-2003 Lubbock, Texas Classes: Women studies, child psychology, University of Alaska Master of Fine Arts 2004-2007 Fairbanks, AK

[Resume_THdocx.docx](#)

Upload a Resume

Demographics

The following **optional** information is requested so appointments to boards and commissions reflect the diversity of individuals within the community. If you are applying for a board with age criteria such as the Juneau Commission on Aging or the Youth Activities Board, please include your D.O.B. in the field below.

Ethnicity

☒ American Indian/Alaskan native Aleutian

Gender

☒ Female



Date of Birth

Acknowledgement/Certification

In order to submit this application, please read and agree to the following statement:

I understand that this is a volunteer position appointed by the City and Borough of Juneau Assembly and requires regular attendance at meetings. I further understand that this application is public information and the merits of my appointment may be discussed at a public forum. In addition, my name may be published in a newspaper or other media. I agree that if I am appointed to serve on a board or commission, I will follow all the laws, procedures, and practices associated with the service of a CBJ boardmember. I certify that the information in this application is true and accurate.

☒ I Agree

Melissa M. Kookesh
3386 Park Place
Juneau, Alaska 99801
(907) 321-8984 • mmkookesh@gmail.com

October 31, 2019

Brian Holst, Executive Director
Juneau Economic Development Council
612 W. Willoughby Ave., Suite A
Juneau, Alaska 99801

RE: JEDC Board of Directors Vacancy

Dear Mr. Holst,

I am excited for the opportunity to submit my name to be considered for one of the vacant board member positions for the Juneau Economic Development Council Board of Directors. Please accept my resume and interest in the vacant positions as well as consider my relevant qualifications:

1. Over 3+ years of serving as the Board Chair for Kootznoowoo, Incorporated, our village corporation for Angoon, in which our board has been turning the corporation around and are moving the corporation forward.
2. 4.5 years as Legislative Aide, Responsibilities include for Senate Health and Social Services Committee management, preparations, and execution of bills passed through committee. Currently, I am responsible for maintaining the schedule for the Senator and any meetings, events, and any travel needed. Additionally, during my tenure, I am responsible for the press releases, keeping the website updated, and preparation of the newsletter for distribution to the constituents.
3. 4 years serving as the Assistant to the President for the largest tribe in the region where I was responsible for the preparation, oversight, and proper tracking of four separate budgets, ensured tribal directives were executed and upheld, and was responsible for the official communication on behalf of the President. In addition to recording the meeting minutes for both the monthly and annual meetings.

This position aligns with my professional trajectory and my guiding value of serving my people which I have dedicated myself to for the last 15 years. With my skill set and proven record of accomplishment, I can be a valuable addition to the Juneau Economic Development Council Board of Directors.

Thank you for your time and thoughtful consideration of my resume.

Thank you,



Melissa M. Kookesh

Application Form

Profile

NOTE: PLEASE BE AWARE THAT ALL INFORMATION YOU PROVIDE ON THIS FORM AND ATTACHMENTS ARE OPEN TO PUBLIC REVIEW AND DISCLOSURE PURSUANT TO THE ALASKA PUBLIC RECORDS ACT.

[When completing the application, please put your "**MAILING**" address in the first address block labeled "**HOME.**" The optional secondary address field is for your "**RESIDENCE**" address.]

Paul _____ Nowlin _____
First Name Middle Initial Last Name

Email Address

Home Address

Suite or Apt

City

State

Postal Code

Primary Phone

Alternate Phone

State of Alaska _____
Employer

Accounting Technician III _____
Job Title

Residence Address if different from your Mailing "Home" Address listed above

Residence Address Line 2

Residence City

Juneau

Residence State

AK

Residence Postal Code

99801

Comments

Previous member of LEPC & Bidding Review Board

Secondary Email Address (if any)

Which Boards would you like to apply for?

Board of Equalization: Submitted
Juneau Commission on Sustainability: Submitted
Juneau Economic Development Council: Submitted

Are you applying for reappointment to this board?

☒ Yes ☐ No

If you are applying for more than one board, how many total boards are you willing to serve on?

☒ 3

Special Needs - please list any special needs below such as need for sign language interpreter, etc...

Interests & Experiences

Please tell us about yourself and why you want to serve. [Please respond to each of the below questions and don't just write "see attached resume."]

Please explain, with specificity, your reasons for applying to serve on this particular board.

BOE - Been a volunteer for 7 years, and I am willing to do another term. JCoS - I want to see the quality of life increase for our friends and neighbors. I feel that we are digging a hole to build a taller hill; and many folks are falling into that hole. JEDC - I love our City, and want to see more opportunities for locals to start and grow small businesses.

Please select the type of board seat for which you are applying *

☒ General Public Seat

Please list any organizations for which you currently serve as a board member, officer, or employee.

BOE (volunteer) NAMI (volunteer) State of Alaska (employer) Business Analytics & Intelligence Analyst (position)

Employment/Volunteer History: Please list any previous work or volunteer experience you have serving on a board.

Education/Training: Please list both formal and informal education & training experiences:

Bachelor's in Business Administration (graduated); MBA (currently enrolled)

Licenses/Certifications etc... Please list any professional licenses, certifications, or registrations that may be considered a qualifying criteria for the board to which you are applying.

Upload a Resume

Demographics

The following *optional* information is requested so appointments to boards and commissions reflect the diversity of individuals within the community. If you are applying for a board with age criteria such as the Juneau Commission on Aging or the Youth Activities Board, please include your D.O.B. in the field below.

Ethnicity

☒ American Indian/Alaskan native Aleutian

Gender

☒ Male

Date of Birth

Acknowledgement/Certification

In order to submit this application, please read and agree to the following statement:

I understand that this is a volunteer position appointed by the City and Borough of Juneau Assembly and requires regular attendance at meetings. I further understand that this application is public information and the merits of my appointment may be discussed at a public forum. In addition, my name may be published in a newspaper or other media. I agree that if I am appointed to serve on a board or commission, I will follow all the laws, procedures, and practices associated with the service of a CBJ boardmember. I certify that the information in this application is true and accurate.

☒ I Agree



City and Borough of Juneau

ASSEMBLY ADVISORY COMMITTEES, BOARDS AND COMMISSIONS APPLICATION FOR SPECIAL PROJECT FUNDING FY20

Please note: This form is for use by those boards that are unable or choose not to do fundraising. This form is to request up to \$500 for use by Advisory Boards to further their mission. Funds in this account are subject to the Assembly actually approving funds for this budget item in their final FY20 budget. If approved, funds are limited and granted on a first come, first served basis. Examples of previous uses of these funds by boards include: printing, advertising, mailings, and venue rentals that further the work of the board within the community.

Group Name: _____ Juneau Human Rights Commission _____

Contact Person: _____ Haifa Sadighi _____

Mailing Address: _____ 3655 North Douglas Hwy _____

Phone (Day): _____ (907)209-4038 _____

Phone (Eve): _____ (907)209-4038 _____

Funding Amount Requested from CBJ: _____ \$495 _____

Other Funding Sources and Amounts: _____ N/A _____

Has your group received funding or other support services from the CBJ in
FY17, FY18 or FY19?

No: _____ Yes: _____ 2017-18 _____ Years & Amounts: _____ ? _____

Is this project a: ☒ one time funding request, or _____ an annual request?

Charges to the public for services provided by the project funds: _____ None _____

Project Description*: JHRC within their charter of Education, Community Engagement and Partnership Project plans to Co-sponsor with AWARE's Local Chapter the Girls on the Run (GOTR) and Boys Run I toowu klatseen (BRITK) 5k run Sat., Dec. 7, 8-12:30, Dimond Park Field House. GOTR-BRITK is a non-profit **program** that works to encourage youth to develop self-respect and healthy lifestyles through dynamic and interactive learning experiences, culminating in a celebratory 5k **run**.



City and Borough of Juneau

Project Budget*: \$495

Benefit to the community and the audience served by the project*:

1. Increase awareness and promote knowledge of the United Nations Declaration of the Rights of the Child (1959), through inter- and non-governmental organizations partnership
2. to developed a new dimension in the understanding of the to the rights of the child among youth and families.

How will the project be consistent with the mission, goals and objectives of the group*:

It is consistent with *developing educational and informational programs designed to bring about the prevention and elimination of all forms of discrimination*, by increasing knowledge on the United Nations Declaration of the Rights of the Child (1959), through inter- and non-governmental organizations partnership with focus on promoting the rights of the child to in creative and new dimension.

Assembly Policy: Funds to advisory groups must be used in a manner consistent with the mission statement as defined in the establishing ordinance or resolution. Please indicate in **quantifiable measurements how the budgeted item will be applied towards the mission of the board as defined in the establishing ordinance or resolution. All applications for funding are submitted to the City Clerk's office. No authorization of funds in excess of \$500 in one fiscal year to a single group without approval by the Assembly. [attach additional pages as necessary]*

City and Borough of Juneau
Full Assembly Sitting as the Human Resources Committee
Thursday, September 5, 2019, City Hall Conference Room 224 at 5:30pm
Planning Commission Advance Interview Questions

Applicant Name: _____

1. What skills and experience would make you an effective Planning Commissioner?
2. What is the fundamental role of the Planning Commission?
3. What are your thoughts on the Comprehensive Plan and its updating process?
4. Do you have any interest that would pose a potential conflict of interest on matters coming before the Planning Commission?
5. Describe your experience in the areas of land use, construction, and/or transportation.
6. What is the role of the Planning Commission in economic development and community building?
7. Please describe the appropriate relationship between the Planning Commission and the Assembly.
8. What role should sustainability concerns play in Planning Commission decisions?
9. Explain what you do to resolve conflicts while working in groups with members who disagree.

**City and Borough Of Juneau
Full Assembly Sitting as the Human Resources Committee
City Hall Conference Room #224 at 5:30pm
Bartlett Regional Hospital (BRH) Board of Directors Advance Interview Questions**

Applicant Name: _____

1. Why do you want to be on this board and what do you offer that will make you an effective member?

2. What skills and experience would make you an effective board member?

3. What do you perceive as the major issues facing the Bartlett Regional Hospital and what is your perspective of those issues?

4. What do you believe is the fundamental role of the BRH Board of Directors?

5. Do you have any interest that would pose a potential conflict of interest on matters coming before the Board of Directors?

6. What is your idea of the role of a community hospital?

7. What role, if any, does the BRH play in the economy and well-being of the community?

8. What do you think the appropriate relationship between the Board of Directors and the Assembly should be?

City and Borough Of Juneau
Full Assembly Sitting as the Human Resources Committee
Monday, August 27, 2018 6:15 p.m.; City Hall Conference Room #224
Docks & Harbors Board Interview Questions

Applicant Name:_____ **Interview Time:**_____

1. Why are you reapplying/applying for the Docks & Harbors Board? Please be specific on issues leading to your application.

2. What is your vision for the future of Juneau's docks and harbors facilities?

3. What is your vision for Juneau's downtown waterfront?

4. What is your understanding of the role of the Docks & Harbors Board?

5. What specific experience or background do you have that would help the Docks & Harbors Board do its work or address issues you identified in question 1 above?

6. What is your vision of the role and appropriate balance of the major user groups in our harbors including live-a-boards, transient users, fishing fleet, and commercial users?



Juneau Commission on Sustainability

(907) 586-0715
CDD_Admin@juneau.org
www.juneau.org/sustainability
155 S. Seward Street • Juneau, AK 99801

To: Carole Triem, Chair, Visitor Industry Task Force
Committee Members, Visitor Industry Task Force

CC: Alicia Hughes-Skandjis, Assembly Liaison, JCOS

From: Duff Mitchell, Chair Juneau Commission on Sustainability

Subject: Visitor Industry Impacts-Dock Electrification Background Information

Date: November 18, 2019

Dear Chair Carole Triem and Visitor Industry Task Force members

The Juneau Commission on Sustainability (JCOS) discussed the Visitor Industry Task Force at our November 3rd meeting and requested that I provide your task force with the JCOS Dock Electrification backgrounder report along with our ship visit report of the Royal Princess this past summer. Further, we would like to highlight for the Task Force that both the Juneau Climate Action and Implementation Plan and our Juneau Renewable Energy Strategy call for actions to electrify our Juneau docks to reduce emissions and move toward renewable energy sources to fuel our local industries.

Our purpose in sharing this information is that many West Coast communities, including Juneau, have and continue to look at the impacts of tourism on their communities and emission reduction along with renewable energy transformation and use to help avoid and mitigate the impacts of growing tourism numbers as a means to develop an economically viable tourism industry in Juneau with decreased local impacts.

Additionally, we want Task Force members to be aware that our Juneau Docks and Harbors was issued \$250,000 last year to determine what actions are required to electrify the Juneau 16B docks as a means to decrease cruise ship emissions while at CBJ owned facilities.

Another piece of information that we would like to bring to the Task Force attention is that the representatives of the Norwegian Cruise Lines that recently made a substantial land investment in our community are also on the public record of supporting dock electrification. From the October 19, 2019 edition of the Juneau Empire quoting Howard Sherman, EVP- *"Sustainability is important at Norwegian. We have very strict environmental guidelines," Sherman said. He said that the ability to connect to shore power, something not available at the current cruise ship dock, was something the company wanted.*

In addition to advising the Assembly, JCOS is charged with identifying and seeking funding sources for sustainability initiatives. Our initial research and analysis indicate that there could be federal funding sources (with a unified and concerted effort by CBJ, Docks and Harbors and industry) to build dock electrification and electrical infrastructure required to move Juneau to a leading shore power port and set an example for community/industry cooperation.

JCOS believes that dock electrification is an important community-supported value and action item to be addressed by your task force in its important visitor industry analysis. We appreciate your efforts that all members of this task force have taken to date. We humbly submit for review and consideration of the information we are providing as you analyze and make visitor industry recommendations to move our community forward in a collaborative and mutually supportive manner.

Sincerely submitted on behalf of the entire Juneau Commission on Sustainability,

A handwritten signature in black ink, appearing to read 'Duff Mitchell', with a stylized, flowing script.

Duff Mitchell
Chair

Attachments:

JCOS Dock Electrification Backgrounder

JCOS Royal Princess visit report on Princess Cruises sustainability operations



(907) 586-0715
CDD_Admin@juneau.org
www.juneau.org/CDD
155 S Seward Street • Juneau, AK 99801

CBJ Dock Electrification Fact Sheet

Juneau Commission on Sustainability, January 2, 2019

SO₂, NO_x and particulates emissions from cruise ships are threats to human health.

Air pollution from international shipping accounts for approximately [50,000 premature deaths](#) per year in Europe, at an annual cost to society of more than US\$ 66 billion according to recent studies. Through chemical reactions in the air, SO₂ and NO_x are converted into fine particles - sulphate and nitrate aerosols. In addition to the particulates directly emitted by ships, these secondary particles increase the health impacts of shipping pollution. Tiny airborne particles are linked to premature deaths. The particles get into the lungs and are small enough to pass through tissues and enter the blood. They can then trigger inflammations which eventually cause heart and lung failures. Ship emissions may also contain carcinogenic particles.

Implementing the sulphur standards for shipping fuels that the International Maritime Organization (IMO) adopted in 2008 is expected to save 26,000 lives a year in the European Union as of 2020. <https://www.transportenvironment.org/what-we-do/shipping/air-pollution-ships>

According to the US EPA, emissions from vessels running auxiliary diesel engines at berth can be significant contributors to air pollution. As port traffic grows in certain areas, air pollution may also increase. Exposure to air pollution associated with emissions from ocean going vessels and other diesel engines at ports (including particulate matter, nitrogen oxides, ozone, and air toxics) can contribute to significant health problems—including premature mortality, increased hospital admissions for heart and lung disease, increased cancer risk, and increased respiratory symptoms – especially for children, the elderly, outdoor workers, and other sensitive populations. <https://www.epa.gov/ports-initiative/shore-power-technology-assessment-us-ports>

Particle pollution is a mixture of microscopic solids and liquid droplets suspended in air. This pollution, also known as particulate matter, is made up of a several components including acids (such as nitrates and sulfates), organic chemicals, metals, soil, or dust particles and allergens.

People with heart or lung disease, older adults, and children are considered at greater risk from particles than other people especially when they are physically active. People with heart or lung diseases-such as coronary artery disease, congestive heart failure, and asthma or chronic obstructive pulmonary disease (COPD) are at increased risk.

<https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockkey=P1001EX6.txt>

Juneau is one of the most visited port in Alaska and is expected to receive 584 port visitations in 2019. It now ranks as a top port worldwide for summer cruise vessel ship visitations. While many scientific emission study assessments were conducted at other ports, the emission impact would be similar for a similarly sized port. With our short cruise season, and with up to five vessels docked at the same time, people in our compact downtown port area may experience more pronounced seasonal health concerns.

“Nothing compares to the benefits of zero emissions by connecting the vessel to shore power and shutting down the vessel’s engines while the ship is at the dock,” says Peter McGraw, spokesman for the Port of Seattle.

<https://shipandbunker.com/news/am/688808-public-push-for-shore-power-as-seattle-makes-way-for-bigger-vessels>

Current regulation of cruise ship emissions.

Since 2015, vessels have been required to use fuel containing less than 0.1% sulfur or an approved equivalent method, which includes Exhaust Gas Cleaning systems, or scrubbers. Exhaust Gas Cleaning Systems are pollution control systems designed to remove pollutants from exhaust. Primarily, these systems are designed to extract sulfur oxides (SOx) from the exhaust. Industry claims that the scrubber technology may also reduce NOx and particulates in the cruise ship exhaust, but reports of independent air quality monitoring of cruise ship exhaust are not readily available. The scrubber systems are either “open loop” with wash water discharge into seawater or “closed loop” with wash water stored for later land disposal or a “hybrid system” which can dispose of wash water at sea or store it for later land disposal.

It is important to note that cruise ships do not require air quality permits, in contrast to stationary sources, such as Greens Creek mine diesel generators, which are regulated.

All ships visiting Alaska must comply with state opacity levels; opacity has been monitored since the 1970s. Enforcement actions in Juneau for opacity noncompliance reached 49 in 2012-2014; 0 between 2015-2016; 2 in 2017; and at least 9 in 2018. <http://dec.alaska.gov/water/cruise-ships/egcs/> Locally, the CBJ does not regulate cruise ship emissions.

There are also national ambient air quality standards for the protection of human health. In 2000, an ambient air quality study was conducted in Juneau, and no exceedance of standards were found. The Alaska Department of Environmental Conservation is planning on conducting an ambient air quality study in Juneau in 2019.

In 2020, the International Maritime Organization (IMO) will introduce even further MARPOL low-sulfur fuel restrictions and violations could result in criminal citations to Captains and Vessel Owners. Under new international regulations organized by the IMO, only fuel with 0.50 percent sulfur will be permitted for ships as of 2020. Alaska is in a North American Emission Control Area (ECA) that has a more restrict standard of 0.1 percent sulfur.

<https://www.platts.com/IM.Platts.Content/InsightAnalysis/IndustrySolutionPapers/SR-tackling-2020-imo-impact-shipowners-tighter-sulfur-limits.pdf>

There are ongoing industry trends in heavy visited ports toward reducing emissions through lower sulfur fuels and using shore power. Working to find solutions as well as regulatory enforcement of pollution and emission regulations is not limited to one geographical area. On November 26, 2018, the Port of Marseille, France criminally prosecuted a ship captain and owner for emissions violations of the 1.50 % sulfur limit for a vessel outfitted with scrubber technology.

<https://www.telegraph.co.uk/news/2018/11/26/french-court-fines-po-american-cruise-ship-captain-breaching/>

Based on a 2016 air quality survey of three Norwegian fjords with heavy cruise ship traffic, the Norwegian Maritime Authority recommended that only low-sulfur fuel be used in the fjords, regardless of whether ship have scrubbers. Also, the Authority recommended that the discharge of “open loop” scrubbers’ wash water be prohibited.

<https://www.sdir.no/en/shipping/vessels/environment/prevention-of-pollution-from-ships/report-regarding-pollution-from-shipping-in-world-heritage-fjords/>

Worldwide, these open loop scrubbers’ discharges are banned in Belgium, California, Connecticut, Dublin, Massachusetts, Germany’s Rhine River, and China’s inland waters, and Singapore will ban them in 1/1/2020.

<http://www.nepia.com/insights/industry-news/no-scrubs-more-ports-declare-ban-on-egcs-discharges/>

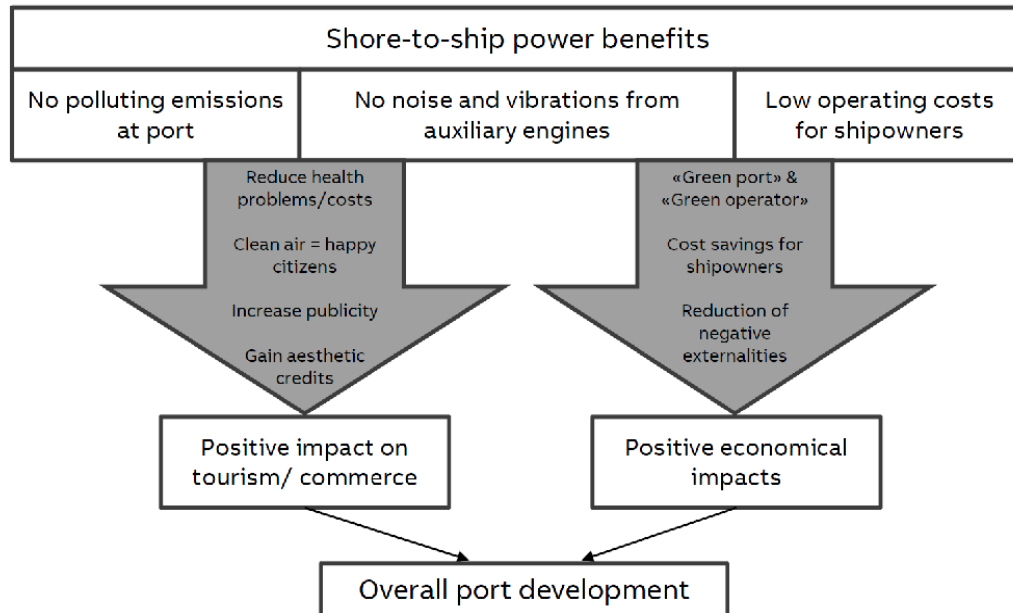
The ADEC’s *Commercial Passenger Vessel Environmental Compliance 2017 Seasonal Report* noted observations of oily sheens, foam, discoloration and solids of unknown sources in open loop scrubber wash water discharge, mostly observed while ships were docked. According to the ADEC report, the wash water is acidic and some ships reported non-compliance with ADEC/EPA standards that have pH limitations in 2016 and 2017.

Many of the cruise line companies visiting Alaska have made significant investments in burning ultra low sulfur diesel while in ports as well as ensuring that their vessels are electrification ready for use in ports that have installed electricity at their docks, piers and terminals to proactively comply with current and future regulations.

The economic and environmental benefits of shore power

Shore-to-ship power

Economical and environmental benefits



According to ABB, a large electrical component manufacturer, and confirmed with other studies, a cruise line vessel emits more NO_x in an 8-hour port visit than 10,000 vehicles. Juneau regularly has three and sometimes four vessels not electrified with shore power during a summer day. This is equivalent to emitting the same amount of pollution as 30,000 to 40,000 vehicles circling our downtown. The impact on Juneau not providing shore power to help reduce these GHG, particulates SO₂ and NO_x emissions in port is unhealthy, unsafe and not sustainable for the long-term health of Juneau residents, workers or the travel industry.

<https://search-ext.abb.com/library/Download.aspx?DocumentID=9AKK10103A1196&LanguageCode=en&DocumentPartId=&Action=Launch>

Juneau policies support dock electrification.

Juneau's Comprehensive Plan, Climate Action Plan, Juneau Renewable Energy Strategy and even the Juneau Docks and Harbors Bond brochure all tout CBJ dock electrification as both a solution to air quality concerns and as a part of reducing the city's carbon footprint. Additional dock electrification has been discussed in Juneau for more than a decade as a partial solution to decrease downtown emissions and health concerns during the cruise passenger season.

Ships coming to Juneau are electrification ready.

According to the Ports of Seattle and Vancouver 11 of 14 Holland America Line vessels are electrification ready. All Holland America vessels are starboard (right side of the ship) connections except for the Zuiderdam which is Port (left side of the ship) electrically arranged to connect to shore power.

Most of the vessels arriving in Juneau are electrification ready and are equipped with a starboard connection system. The entire Princess fleet will be shore power equipped by the end of 2019. All the Princess vessels are shore power equipped with access on the port side of the vessels. Juneau is lacking a Starboard shore power berth to service vessels with Starboard shore power configurations that regularly connect and use shore power in Seattle and Vancouver.

The wise cruise line operators are responsibly investing in on-board systems to enable shore side power connections to help meet current and future air quality regulations and to provide health and safety benefits for their guests/customers, on ship workers, and dockside workers and the public.

Many ports in North America offer shore power.

In 2018, there are ten North American Ports where the cruise industry regularly connects shore power while at berth. European ports are expanding shore power capability. Many ports require shore power connection and low sulfur fuel burning while berthed. Virtually, all new ports are employing Smart Port Grid Integration that enables fast and efficient electrical connections which lowers costs. Both Seattle and Vancouver provide shore side power for vessels operating in the Alaska cruise market. The average cost of electrifying one berth can vary but in North America ranges from \$6-8 million dollars and electrification is typically paid for by the industry and the community, along with port monies and fees. Tried and proven connection infrastructure design with experienced engineering for specialized dock electrification appears to play a role in keeping costs low.

There are two recent examples. The Port of Halifax recently electrified 3 terminals for \$10 million CDN while the Port of Montreal electrified their cruise terminals and three container berths for \$11 million CDN in 2017 using experienced and specialized firms adept at dock electrification.

https://www.marinelog.com/index.php?option=com_k2&view=item&id=8167:cruise-ships-calling-halifax-can-now-plug-in-to-shoreside-power&Itemid=227

<https://worldmaritimenews.com/archives/227279/port-of-montreal-can-now-power-cruise-ships-with-electricity/>

Cruise ship electricity needs and Juneau supplies.

Cruise vessels vary in size and their size dictates how many passengers they can accommodate and therefore the power that they require for hoteling operations while at berth. Smaller cruise vessels that typically dock at the Northern 16B CBJ berth requires substantially lower power than some of the Post Panamax ships. Depending on vessel size the power requirements can range from 5-10 Megawatts (MW) or 7 to 11 MW or more depending on cruise line.

<https://www.forbes.com/sites/williampentland/2010/12/18/plug-in-power-set-for-massive-growth-at-major-ports/#5016d2a65752>

<https://www.danskehavne.dk/wp-content/uploads/2015/12/GP-CMP-Shoreside-Report.pdf>

AEL&P recently cut off Greens Creek from hydropower and has announced it is out of power for interruptible accounts, raising the question of where additional electricity supplies will come from.

Juneau Hydropower, Inc., a local company, has a FERC license to build the 19.8 MW Sweetheart Lake Hydroelectric Facility. It has committed its power to supply the Coeur Alaska Kensington Mine which would could take up to one-half of the power. The balance of power has been offered to AEL&P to firm up Juneau's existing firm and interruptible customers from low reservoir outages, but would also provide power for future Juneau electrical growth to include the power requirements for one additional cruise vessel berth for the Juneau port.

<https://www.juneauempire.com/news/chamber-luncheon-focuses-on-sweetheart-lake-dam/>

Regardless of who provides the additional electricity, the community will need more hydroelectricity to meet the CBJ's goals of shifting heating loads to electricity. Providing for increased summer electricity sales will complement these increased winter loads while furthering Juneau community climate and energy goals.

EPA Report 2017: Shore Power Technology Assessment at U.S. Ports

Shore power can significantly reduce diesel emissions from ships at dock. {However, in Juneau, with hydropower based electricity, shore power completely eliminates diesel emissions from a connected ships at an electrified berth}.

Under the right circumstances when a vessel is connected to shore power, overall pollutant emissions can be reduced by up to 98% when utilizing power from the regional electricity grid, (depending on the mix of energy sources).

- The potential emission reduction benefits may be estimated for a particular vessel at berth when connected to shore power. Factors such as the amount of time connected, power consumption rate, energy costs and total time at berth are described in the EPA assessment and affect the overall effectiveness of shore power. Because these factors must be evaluated for each situation, total emission reductions may vary.

- The assessment suggests that shore power may be most effective when applied at terminals and ports with a high percentage of frequently returning vessels, typically cruise ships and container ships.

<https://www.epa.gov/ports-initiative/shore-power-technology-assessment-us-ports#findings>

Juneau meets both optimum circumstances because our power is hydropower and we have a high percentage of frequently returning cruise vessels. Not providing shore power to reduce the cruise vessel emissions in port is unwise and overdue. With expected increased port visitations in Juneau, the air quality problem will only get worse unless action is taken now.

Cruise Industry support for shore power electrification.

Disney, Holland America and Princess Cruises all support shore electrification based on their public statements and awards that they have received in Vancouver and Seattle for electrifying their vessels that serve the Alaska market.

Disney consistently receives an A grade for environmental transparency and compliance.

<https://foe.org/news/2016-06-disney-cruise-line-regains-a-grade-for-pollution-transparency/>

Holland America has aggressively upgraded its vessels for shore side power. October 23, 2018- Orlando Ashford, President, Holland America Line. **“Our ships call at the world’s most beautiful destinations, which is one reason we prioritize environmental responsibility. These ships can now achieve very low emissions while in ports where shore power is available.”**

<https://new.abb.com/news/detail/9079/abb-plugs-holland-america-line-into-low-emission-shore-power-worldwide>

Princess Cruise Line has pioneered shore power in Juneau that has led to other cruise lines adopting this environmentally proactive responsibility.

https://www.princess.com/news/backgrounders_and_fact_sheets/factsheet/Princess-Ships-Clear-the-Air-with-Shore-Power-Connections.html

Both Holland and Princess have received Green Awards for their shore power support at reducing emissions in Seattle and Vancouver and have been publicly supportive of shore power applications in the Northwest as well as in other ports of the US.

Dan Blanchard, of the small cruise line Uncruise, reports that the company has electrified their ships.

Past Juneau dock electrification efforts.

Juneau was the first port in the U.S. to initiate shore power for Princess Cruises in 2009 for Port (left) side connection at the Franklin Dock. Over time, the Marine Passenger Head tax funds reimbursed the cost of the Franklin Dock substation and dock infrastructure. Princess Cruises has connected to shore power every season since and has been a leading brand to use shore power. Its sister company, Holland America, has also outfitted 80% of its vessels for shore power and connects in Seattle and other ports, but cannot use shore power in Juneau as it requires a Starboard connection.

In 2016, the CBJ Dock and Harbors developed and published a dock feasibility study that was contracted to PND Engineers, Inc. This report is available at the CBJ Harbors but is currently not available as an online document with CBJ or with PND Engineers. The report's conclusions suggest:

"It is intended only to illustrate features of a possible configuration that will meet the objectives. As additionally identified, there are other options available which may be considered. The design process should more carefully evaluate the presented configuration along with the options presented and any other options yet to be determined."

"The facility described includes connection to the AEL&P transmission lines on Gastineau Avenue, a substation with feeder protection and voltage transformers, switchgear, and feeders to the ship portal. The configuration of the facility is based on application of submarine cables to a floating dock supporting a cable deployment system."

"\$12.9 million should be budgeted for the construction, engineering, and administration to install a facility for the South Berth. An additional \$12.9 million should be budgeted to complete the same for the North Berth."

The report was based on assumptions that all ships would require a Port Connection for non-Princess ships, and that the berths would require unique festoon/connection systems rather than employ tried and proven high voltage systems used elsewhere. Further, the report did not contain any cost/benefit discussion of the health-related issues/costs to the Juneau public or savings to the cruise passenger industry in meeting MARPOL 2020 and future emissions standards. Although there are worldwide and U.S. engineering firms and contractors that specialize in dock and berth electrification, these specialized firms were not consulted at this study's initial level of investigation. However, the report clearly states that it is not intended to differentiate or cost out options but instead the report contained a "possible configuration that will meet objectives. JCOS suggests that the study's electrification configuration costs per berth were higher than has been found in other U.S. ports using modular and lower cost connections.

At the time of the 2016 report, AEL&P was reportedly investigating the use of LNG to reduce port emissions which appears to no longer be an economic or viable option for Juneau. The PND report states:

"AEL&P has not committed to providing energy to another dock. They presently maintain commitments to other non-firm loads with those customers having a higher priority to receive energy first. In the past, they have experienced seasons with inadequate water storage to generate energy for all of their non-firm loads, including the cruise ships. In order to ensure adequate capacity, the construction of additional hydro power generation facilities is required. To gain a reasonable return on investment, they need to see a requirement to support other new customers or customers with increased loads. They currently do not have an adequate demand to support such an investment".

The PND report, published in 2016, did not address the Sweetheart Lake project with its additional 19.8MW of capacity and 116,000 MWh of hydro generation that is in pre-construction phase. It is publicly known to be in negotiations with AIDEA and AEL&P for interconnection arrangements and electrical generation sales of power to AEL&P to supply Juneau additional capacity and generation.

Dock electrification appears to be a legitimate and prudent use of Marine Passenger Fees.

Shore power appears to provide a direct service to cruise vessels, and therefore funding it with Marine Passenger Fees should be consistent with the recent District Court ruling by Judge Holland on December 6, 2018.

The ruling appears to require that MPF fees can only be used for services rendered directly to the vessel itself. Dock electrification provides a service to the vessel itself as well as a valuable service in meeting regulatory certainty and lawful compliance with current and future (2020+) MARPOL emission regulations. Dock electrification also allows a vessel to lower its use of expensive Ultra Low Sulfur diesel fuels by using less expensive local hydropower. The vessels can operate shore side power in the same tried and proven manner that these same exact vessels dock and electrify in other ports on the Alaska cruise itinerary, namely Seattle and Vancouver.

Link to Judge Holland Decision:

<http://s3-us-west-2.amazonaws.com/kt00/2018/12/Cruise-Lines-International.pdf>

Go Forward- 2019 (FY 2020) Marine Passenger Fee request.

The Juneau Commission on Sustainability is submitting this proposal with this background fact sheet in response to this year's request for proposals to use of Juneau's Marine Passenger Fees (MPFs) for \$3.5 Million in this appropriation cycle.

The JCOS recommends that these fees be used to design and provide shore power for cruise ships at the North Berth of the 16B Dock, as follows:

Request for 2019 (FY 2020): \$3.5M

Evaluate the most economical and reliable alternative to provide the electrical service for the 16B North Berth for Starboard shore to ship electrification. The possible service options are a new substation at Gastineau Avenue served from the AEL&P transmission system **or** expanding the existing capability of AEL&P's Franklin Dock Substation including high voltage cable to extend electrical wire to the 16B dock to make ready for cruise vessels with starboard (right) side shore power. Produce a bid-ready document for construction of dock infrastructure.

Request for 2019 (FY 2020): \$3.5M

Year 2, 2020 (FY 2021): complete construction to electrify the 16B North Berth to enable electrification for starboard side berthing cruise vessels. Estimated cost \$6 - \$8 million to be determined by detailed engineer design and bid ready documents.

This proposal directly addresses CBJ Assembly's 2019 priority 5c, as well as general commitments to Juneau's sustainability: support for a stable, diverse and equitable economy; protection of air and water quality; and minimizing release of greenhouse gases.

Worldwide, cruise vessels are plugging into shoreside power, either by choice due to the economics or in response to ports requiring electrification to improve local air quality, or both. Most cruise vessels have electrification capability, and the industry is growing worldwide and in Alaska.

Shoreside power will contribute to public support for our Alaska cruise industry and its sustainable benefits to Juneau's economy. It's clear to Juneau residents that our air quality deteriorates during the seasonal cruise season; this is a recurring issue, recently raised during the Blueprint Downtown planning. The primary cause is cruise ship emissions. Juneau residents are concerned because of the well-known human health effects of SO₂, NO_x, and particulates contained in vessel exhausts.

This request that includes the above *CBJ Dock Electrification Fact Sheet* provides background information that supports JCOS's proposal to use Marine Passenger Fees in 2019 (FY 2020) and 2020 (FY 2021) for electrification on our waterfront.



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Juneau Commission on Sustainability. Royal Princess Environmental and Electrification Tour Report 2019

An Environmental and Electrification Tour was hosted and arranged by Mike Tibbles and Lalanya Downs and the Cruise Line International Agency-Alaska, Alaska and Princess Cruises.

JCOS and community members attending: Michelle Hale, CBJ Assembly, Duff Mitchell, JCOS Commissioner, John Smith, JCOS Commissioner, Mike Levine, CBJ Planning Commission-JCOS Liaison, Tim Felstead, CBJ Staff-JCOS Liaison, Dana Herndon, US Senate Delegation representative, Lalanya Downs, CLIA-Alaska, Mike Tibbles, CLIA-Alaska, Mitch Jackson, JEDC Board Member, Eva Bornstein, Program Officer, JEDC.

On August 14, 2019, Juneau community member toured the Royal Princess, a 1065-foot vessel that entered service in 2013. The Royal Princess is a frequent visiting ship to Juneau and ports at the Franklin Dock where it, along with other Princess vessels connect on the Port (left) for electricity with Juneau's Grid.



The purpose of the visit was to learn and see firsthand the environmental, recycling, waste reduction, emissions, and shore electrification systems employed on the Royal Princess. The Royal Princess's first deployment to Alaska was with the 2019 cruise season.

We went through security and boarded the Royal Princess where we were met by the Royal Princess Chief Environmental Officer, Simon Reiter.

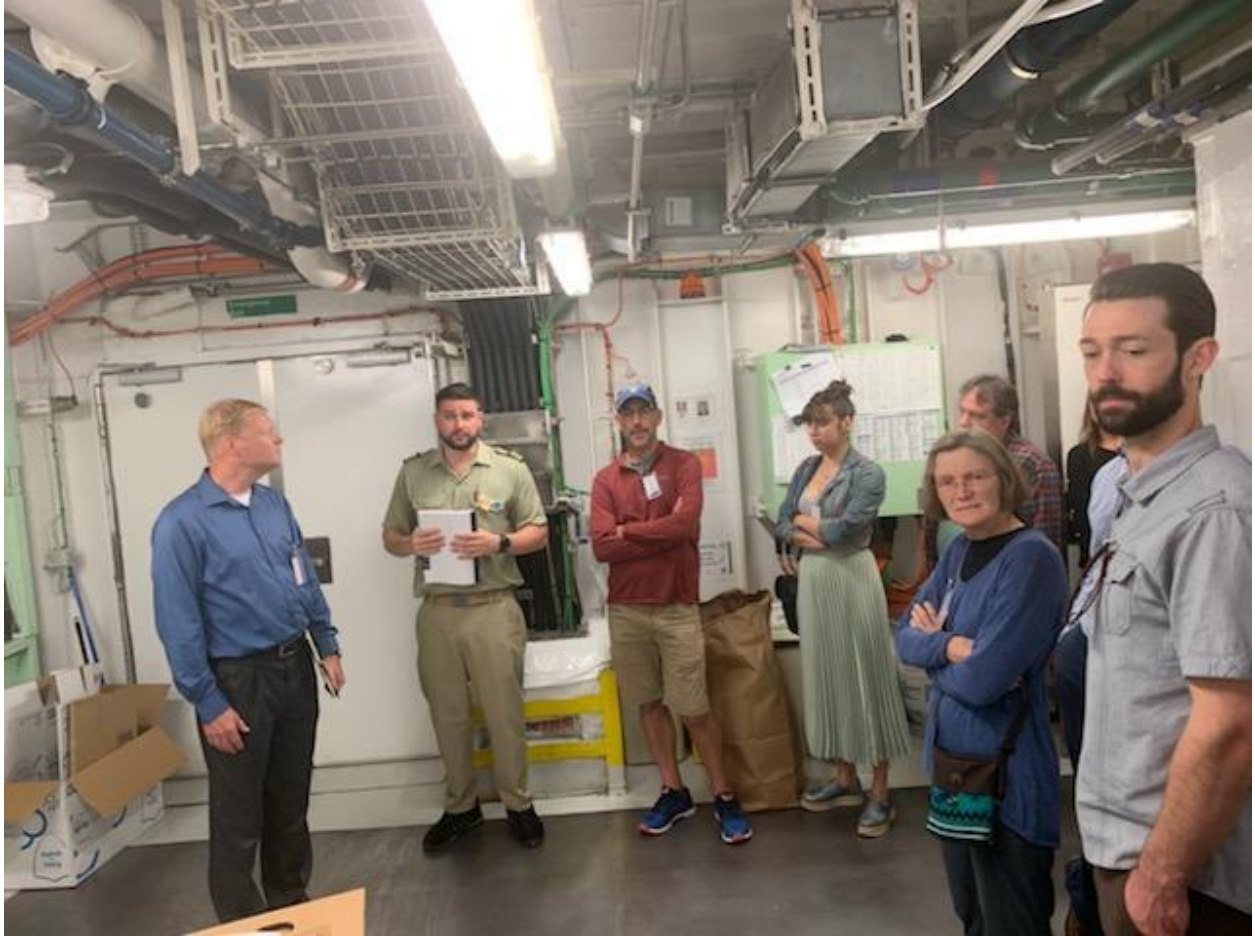
We were led to a lower deck conference room where we were provided a safety briefing and an agenda for our tour that would cover the environmental, emissions, waste reduction, recycling, and shore power applications and systems utilized and employed by Princess Cruises. While each ship is a bit different, the standard, processes, and care by crew are similar on each ship operated by Princess. Since 2006, Princess Cruises has achieved and maintained certification to the ISO 14001 Environmental Management System standard.



The group watched a video on the Exhaust Gas Cleaning Systems (EGCS), the Emission open loop scrubber system employed on the Royal Princess and a video on the sewage waste system. All of Carnival system ships: Princess, Holland America, Carnival, and Seabourn switch to lower sulfur Marine Gas Oil (MGO) at Dupont (south Juneau) and operate on MGO while arriving, docking, hoteling and departing the Juneau port.

The group then visited the recycling and waste reduction processes employed by Princess. All food waste is separated from plastic and paper where all three items go to separate processes. Princess employs a policy to reduce on- ship use of plastic and uses china plates, metal silverware, and glass to cut down on waste.





Aside from state-of-the-art recycling systems was the noticeable cleanliness and absence of odors in all recycling and waste areas. The floors and work areas are kept meticulously clean. These were not static displays as workers would be walking by and bringing recycled boxes and materials during our visit and it was mentioned that what we were seeing was the standard of cleanliness kept at all times by the crew.



Our Juneau Group then met the Chief Engineer Team, Gaetano Guida and William Witt who demonstrated the detailed and state of the art capabilities of their command and control room that included the ability to monitor the ships' entire environmental and electrification system. In addition to real-time data readouts of every control process, there are also cameras to monitor functions and operations in real-time.

The onboard electrical system that monitors use and demand with shore power is the equivalent of monitoring the electricity required for a small city of several thousand people. We received a detailed briefing of the multi-step process it takes to connect and disconnect a vessel to and from shore power in Juneau. Juneau has the first and therefore the oldest shore power system in existence and many technological and control advancements have occurred in the shore power technology area.

Specifically, the Engineer team was asked what could speed up and smooth out the connection and disconnection process that can take up to 45 minutes. Some areas that could speed up the connection and disconnection are process and mechanical. One item is that the ship power crew that helps connect the ship to shore power is sometimes held up by Juneau Security in the disembarkation process and they could have a priority in the process that would allow the crew to advance the connection and disconnection more quickly. Minutes delayed by clearing the crew are minutes it takes longer to connect the ship and reduce emissions. Secondly, there are dock mechanical areas that could be improved that would make connections and disconnections easier, safer and more efficient. Many ports now have articulating and telescoping crane/gantry and shore power connection systems that make connections simpler, safer and quicker. The Juneau system does not have some of these technological capabilities. An articulating connection improvement would help in inclement weather or if the ship does not dock in perfect alignment to shore power. The lack of this feature on the Franklin Dock can delay connections.

It was discussed with CLIA-Alaska and Princess Chief and Asst Chief Engineers that when the CBJ Harbor Department initiates its scoping process for electrifying Juneau's CBJ 16B docks that the scoping process should wisely include key engineers from Princess who have a wealth and depth of practical knowledge and experience from the vessel's perspective and experience of electrification in ports worldwide. The Princess engineering staff has connected shore power in

many ports of the world and some systems simply work better than others. It would be wise to ensure that CBJ Harbors engineering staff capture this knowledge and lessons learned for application to the design of pending 16B dock electrification.

Some information provided by CLIA-Alaska and Princess staff on the state of shore power in the industry and the trend is to responsibly work with local ports to reduce emissions, lower costs and avoid or mitigate local air quality concerns through dock electrification. In port, cruise ships are increasingly equipped with the technology to allow delivery of shoreside electricity, thus allowing engines to be switched off, and there are many collaborations with ports and governments going on worldwide to increase the availability.

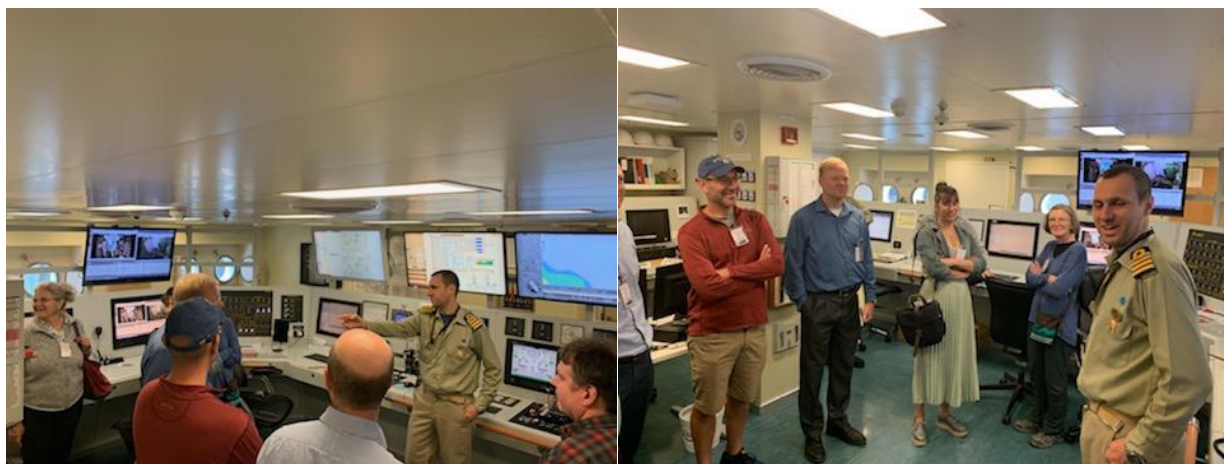
New ships being built are shore power ready. 88% of the new build capacity in the industry is either committed to be fitted with shore-side electricity systems or will be configured to add shore-side power in the future. This level of shore power ready shipbuilding demonstrates a commitment from the industry to shore power connections to reduce emissions.

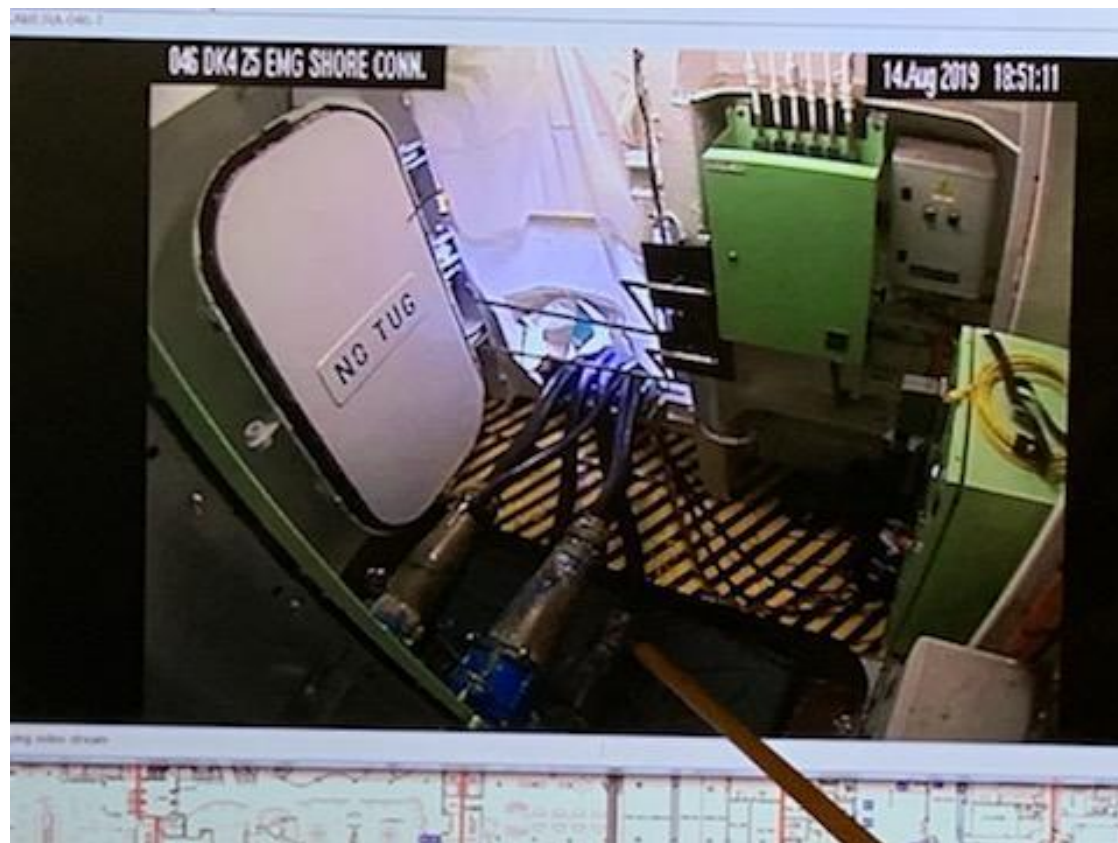
In 2019, 30% of global capacity (up 10% since 2018) is fitted to operate on shore-side electricity in the 16 ports worldwide where that capability is provided in at least one berth in the port.

An additional 18% of the current capacity is planned to be retrofitted with shore-side electricity systems, representing a more than 300% increase in capacity compared to last year.

The number of ships in the CLIA Cruise Lines fleet far outpaces the number of ports with shore-side power capacity; however, there are many collaborations with ports and governments to increase availability. Currently, 16 ports visited by CLIA Cruise Lines provide shore-side power capacity; however, not all berths at each port have the technology, and coordination with respect to using the proper berths is underdeveloped. Shore-side power availability is also limited geographically, as almost all of the capability is on the east and west coasts of North America, the port of *Kristiansand* (Norway), the Port of Hamburg (Germany), and the port of Shanghai.

The bottom line is that the industry is committed to fully utilizing shore power to work with communities to reduce in-port emissions and will connect to shore power where available.







The JCOS team was provided an example of an up to date ship to shore handling system that makes it easier for the ship to quickly connect and disconnect to shore power. They provided an example of a successful system used in Hamburg Germany.



After an extensive and detailed briefing in the Command Room by Chief Engineer Gaetano Guida, we visited the sewage and water treatment facilities on the Royal Princess.





The standard of water after treatment for the Royal Princess is at a superior level and standard that exceeds the wastewater treatment employed by CBJ shore side wastewater facilities. Princess delivers “grey water” from showers, hoteling and kitchen operations to CBJ waste treatment facilities.

The bilge separation system employed on the Royal Princess is also a complex but thorough system.

The Juneau group of visitors spent several hours on the vessel and all questions were answered. The officers and staff of the Royal Princess were open, transparent and very knowledgeable of all their systems and were able to answer all questions from the group.

The JCOS would like to thank CLIA Cruise Lines International Association-Alaska and Princess Cruise Line for the tour and assistance for this tour and taking steps to mutually work together to share information, their willingness to work with Juneau community members and to either avoid or mitigate impacts.

This Juneau Commission on Sustainability report was drafted and submitted by John Smith and Duff Mitchell, JCOS Commissioners. Photos in this report were supplied by John Smith. Photo of Royal Princess and photo of Hamburg shore power connection were provided by Princess Cruises.