

FINAL Minutes
Juneau Commission on Sustainability
Wednesday, September 12th, 2018
Downtown Library large conference room
5.30 pm

Present: Steve Behnke (Vice Chair), John Smith III, ,Jim Powell (Phone – part of meeting), Christine Woll, Jim Refeldt, Gretchen Keiser, Ed King, Iura Lehau.

II. AGENDA CHANGES - NONE

III. APPROVAL OF MINUTES

Regular meeting – August 8, 2018 (Not approved – to be reviewed at next meeting).

IV. PUBLIC PARTICIPATION

Denise Koch, Ed White, Barbara Trost (phone) (all from ADEC), Drew Green (CLAA), Mike Hekkers (Public).

V. ACTION/DISCUSSION ITEMS

- A. DEC presentation on tourism related air quality issues – Denise Koch, Edward White, Barbara Trost

DEC gave presentation. The DEC cruise ship program is a cross disciplinary effort. Involves wastewater and air quality (AQ). Ocean rangers are also present on the ships. The DEC air quality division set regulations on AQ.

There are two aspects to ship emissions (typically measured through opacity) – their direct emissions and the impact on ambient AQ.

Last Juneau monitoring program on AQ was in 2000. He report for that study is available on the DEC website (<https://dec.alaska.gov/media/6391/acsireport2001.pdf>)

They are proposing a monitoring program next summer and before the cruise ships arrive to get a baseline. The approach would be a grid around down town with relative inexpensive low resolution monitors. There is a limit on funding available though. Jim Powell suggested the cruise industry assist in funding. DEC said that funding to the cruise ship program already comes from the cruise industry.

The Glacier visitor center is monitoring ambient PM2.5 AQ – they are not measuring NOx. NOx detectors are expensive and require considerable operator hours.

1st Juneau screening study will be about \$50,000 (less after administration costs are taken off it). They are trying to do the study in-house. They will try to understand both the bus traffic component and the cruise ship emissions component. PM2.5 detection is useful to track plume landings. Some ships do monitor stack emissions and have compliance agreements associated with previous emissions exceedances. This agreement often includes maintenance reports.

Future public outreach on the program is planned and DEC have spoken to City Manager. Gretchen Keiser suggested there should be a CBJ liaison to work directly with DEC. DEC will be looking for monitoring sites and CBJ may be able to help.

DEC have adjusted their 'Method 9' opacity monitoring methodology to account for the additional steam produced when scrubbers are being utilized by a ship. Method 9 is a subjective visual observation using certified observers. There are specific requirements for distance from plume and location of sun. Any emissions that are stem quickly dissipate and anything that is drifting far from a stack is a pollutant. Method 9 still works but it is more difficult. DEC is looking at other locations around town to provide more times of day to use 'Method 9'.

EPA have been leading the work on efficacy of scrubbers as a solution to meet Federal goals. The use of scrubbers was primarily to reduce Sulphur emissions and may not decrease opacity pr particulates.

B. CBJ EV purchasing – Steve

Steve gave a brief background on the Climate Mayor's EV purchasing collaborative. He asked to be given permission to draft a quick memo on CBJ participating in this. This would be reviewed at the next meeting.

C. Meeting times - Tim

There were still some people that needed to respond. Tim asked everyone complete the survey.

D. Web Page Update – Tim

On hold – CDD short on staff at the moment.

VI. INFORMATION ITEMS

A. Green Team - NA

B. City Liaison Report – Nothing to report

C. Items up for Assembly Action – none relevant to JCOS.

D. Committee Reports

i. Solid Waste

ii. Energy

iii. Outreach/Accountability – Next future talks. JCOS are willing to assist with a future DEC AQ outreach session on cruise industry emissions.

iv. Food security

VII. COMMISSIONER COMMENTS -None

VIII. ADJOURNMENT