

Cruise Ship Air Pollutant Monitoring Equipment

FY2020 Request: \$115,000
Reference No: 62558

AP/AL: Appropriation
Category: Health/Human Services
Location: Juneau (Juneau/Downtown/Douglas)

Project Type: Life / Health / Safety
House District: Downtown
 Juneau/Douglas/Haines/Skagway (HD 33)
Contact: Denise Koch

Impact House District: Downtown
 Juneau/Douglas/Haines/Skagway (HD 33)
Estimated Project Dates: 07/01/2019 - 06/30/2024

Contact Phone: (907)465-5109

Brief Summary and Statement of Need:

This project funds necessary equipment to monitor air pollution from cruise ships in downtown Juneau.

| Funding: | <u>FY2020</u> | <u>FY2021</u> | <u>FY2022</u> | <u>FY2023</u> | <u>FY2024</u> | <u>FY2025</u> | <u>Total</u> |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| 1166 Vessel Com | \$115,000 | | | | | | \$115,000 |
| Total: | \$115,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$115,000 |

| | | | | |
|---|---|---------------------------------------|---|-----------------------------------|
| <input type="checkbox"/> State Match Required | <input type="checkbox"/> One-Time Project | <input type="checkbox"/> Phased - new | <input type="checkbox"/> Phased - underway | <input type="checkbox"/> On-Going |
| 0% = Minimum State Match % Required | | <input type="checkbox"/> Amendment | <input type="checkbox"/> Mental Health Bill | |

Operating & Maintenance Costs:

| | <u>Amount</u> | <u>Staff</u> |
|----------------------|---------------|--------------|
| Project Development: | 0 | 0 |
| Ongoing Operating: | 0 | 0 |
| One-Time Startup: | 0 | 0 |
| Totals: | 0 | 0 |

Prior Funding History / Additional Information:

Project Description/Justification:

The Department of Environmental Conservation needs Commercial Passenger Vessel funds to obtain the necessary equipment to monitor air pollution from cruise ships in downtown Juneau. The requested monitoring equipment will test for nitrogen dioxide (NO2), sulfur dioxide (SO2), small particulates (PM2.5), and other air contaminants.

Since 2017, there has been a dramatic increase in the number of public complaints about ship emissions. Most complaints reference smoke emitted from individual ships, but there has been an increasing number of complaints about the haze and smell of fuel in the ports. There is increasing public concern about the cumulative impact of the ship emissions, especially in downtown Juneau.

The Department will conduct long term monitoring to develop a reliable current baseline of air quality conditions that can be used to track and report on future impacts related to growth in the cruise ship industry, and to help address public health and environmental concerns relating to cruise ships through a broader dissemination of information to the public, primarily in Southeast Alaska. The monitors purchased under this capital request will be placed in the maximum impact locations determined in the CY2019 investigation.

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These would be the first cruise ship ambient air monitoring projects since 2000. Since that time, EPA has strengthened several health based standards for some of the most common air pollutants.