



Division of Air Quality

House Finance

Sub-Committee Overview

Alice Edwards, Director

February 14, 2013



Air Quality's Mission

Conserve, improve, and protect Alaska's natural resources and environment and control air pollution, in order to enhance the health, safety, and welfare of the people of the state and their overall economic and social well being.



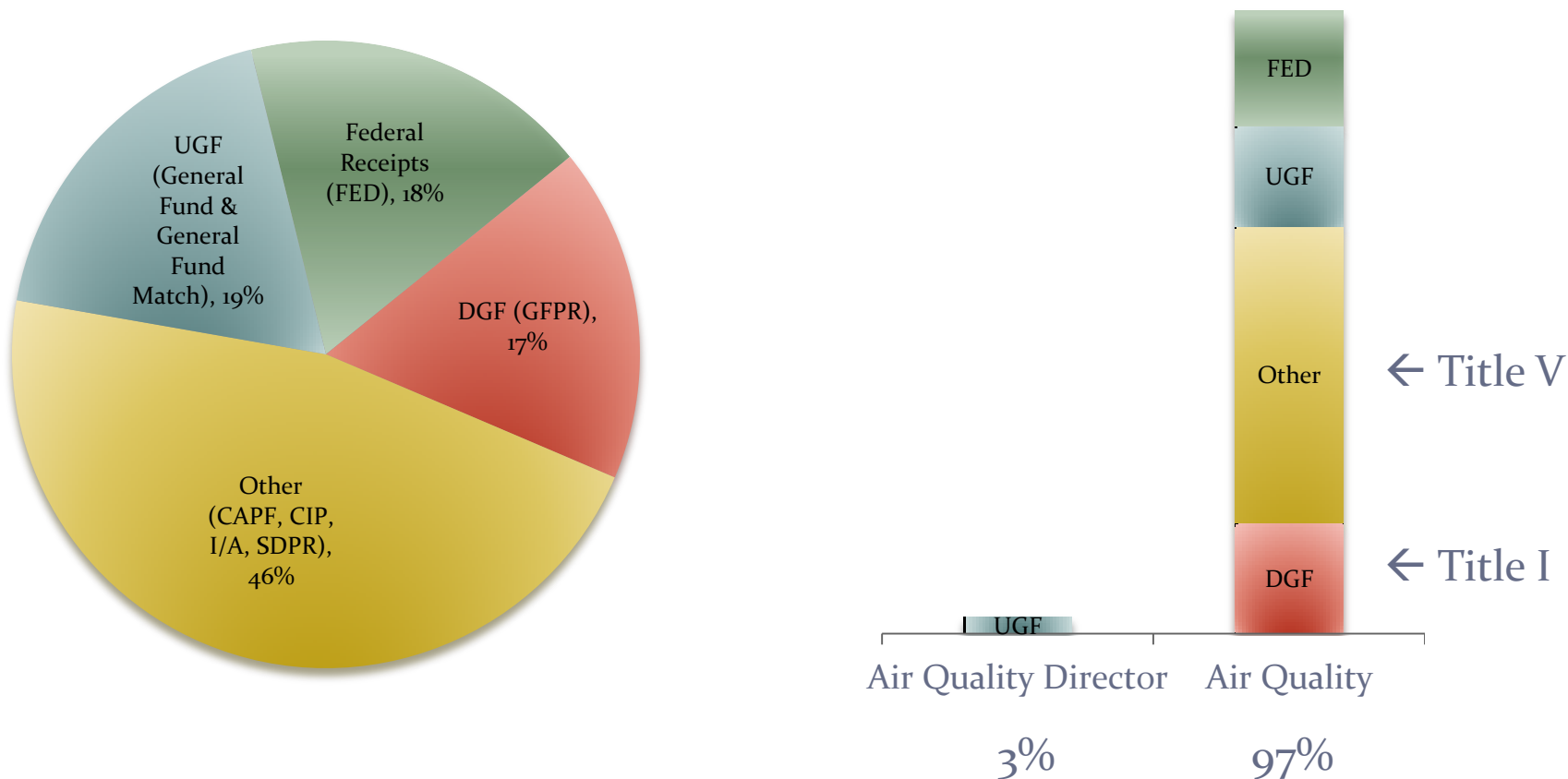


Responsibilities & Functions

- Air quality is protected.
- Timely issue of air quality permits.
- Conduct air quality assessments and identify air pollution concerns.
- Minimize pollution from stationary sources.



FY2014 Operating Budget By Fund Source





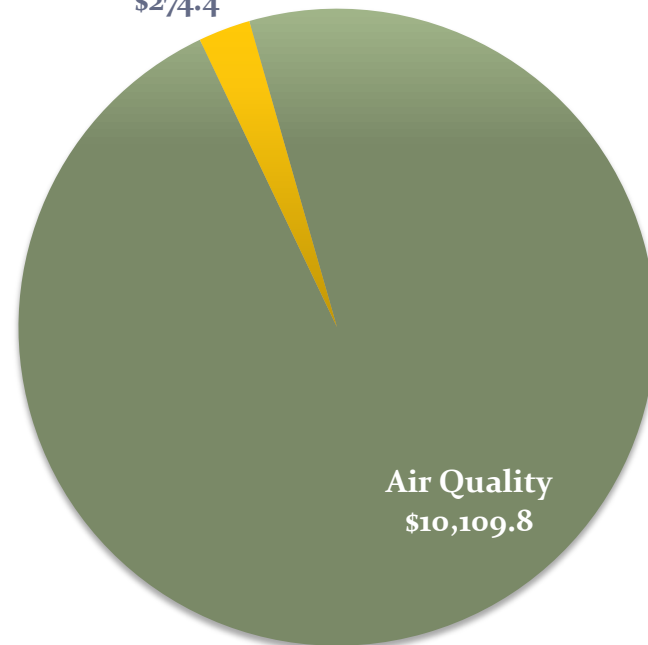
FY2014 Budget Detail

FY2014 Operating Request: \$10,384.2

• Unrestricted GF	\$1,910.4
• Designated GF	\$1,791.6
• Other State Funds	\$4,811.7
• Federal Receipts	\$1,870.5

Note: The Division of Air Quality resides in the Environmental Health appropriation.

Air Quality
Director
\$274.4



FY2014 Governor's Operating Budget Request
(All Funds)



Air Quality Director

Responsibilities:

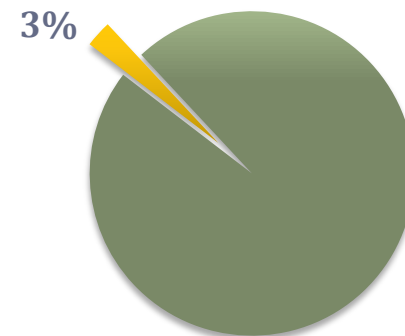
- Provide overall leadership and management of the air quality programs of the Division.

Director:

Alice Edwards

Challenges:

- Declining Federal Funding





Air Quality Director Budget

2013 Legislature - Operating Budget
Allocation Totals - Governor Structure

(Subcommittee Book p. 30-31)

Numbers and Language

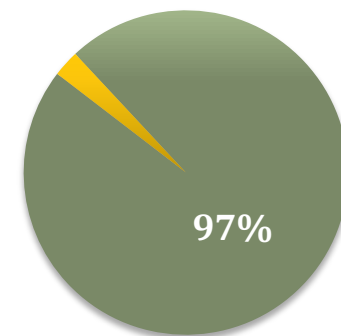
Agency: Department of Environmental Conservation

Appropriation: Environmental Health
Allocation: Air Quality Director

	[1] 12Actual	[2] 13 CC	[3] 13 Auth	[4] 13MgtPln	[5] Adj Base	[6] Gov	[6] - [1] 12Actual to Gov	[6] - [4] 13MgtPln to Gov	[6] - [5] Adj Base to Gov
Total	240.6	273.7	273.7	273.7	274.4	274.4	33.8 14.0 %	0.7 0.3 %	0.0
<u>Objects of Expenditure</u>									
Personal Services	204.3	210.7	210.7	210.7	211.4	211.4	7.1 3.5 %	0.7 0.3 %	0.0
Travel	14.2	12.6	12.6	12.6	12.6	12.6	-1.6 -11.3 %	0.0	0.0
Services	18.0	39.8	39.8	39.8	39.8	39.8	21.8 121.1 %	0.0	0.0
Commodities	3.2	10.6	10.6	10.6	10.6	10.6	7.4 231.3 %	0.0	0.0
Capital Outlay	0.9	0.0	0.0	0.0	0.0	0.0	-0.9 -100.0 %	0.0	0.0
Grants, Benefits	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Miscellaneous	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<u>Funding Sources</u>									
1004 Gen Fund (UGF)	240.6	273.7	273.7	273.7	274.4	274.4	33.8 14.0 %	0.7 0.3 %	0.0
<u>Positions</u>									
Perm Full Time	2	2	2	2	2	2	0	0	0
Perm Part Time	0	0	0	0	0	0	0	0	0
Temporary	0	0	0	0	0	0	0	0	0



Air Quality Component



Responsibilities:

- Issue air quality permits to facilities that release potentially harmful pollutants.
- Provide compliance assistance and enforcement (inspections and operating report reviews).
- Provide community assistance to protect air quality.
- Conduct air quality assessments.

Challenges:

- Fairbanks Air Quality (PM-2.5)
- Rural Road Dust (PM-10)
- Rapidly Changing Federal Regulations



About Air Quality

- **Air Permits Program**
 - Title I construction and minor permits
 - Title V operating permits
 - Compliance assurance inspections
- **Air Non-Point & Mobile Source Program**
 - Partner with communities to address non-industrial air quality
 - Education and outreach
 - Community-based pollution control programs and plans
- **Air Monitoring and Quality Assurance Program**
 - Air quality monitoring network operation and audits
 - Meteorological oversight for open burn approvals
 - Air advisories





Air Quality Accomplishments

- Implemented a public education campaign in rural Alaska to educate the public about the impact of air quality on health.
- Issued 3 major air construction permits, 37 minor permits, and 6 administrative amendments.
- Reduced the operating permit renewal backlog by 33% since FY2010.
- Expanded the near-real-time monitoring data access available now on the Department's website.





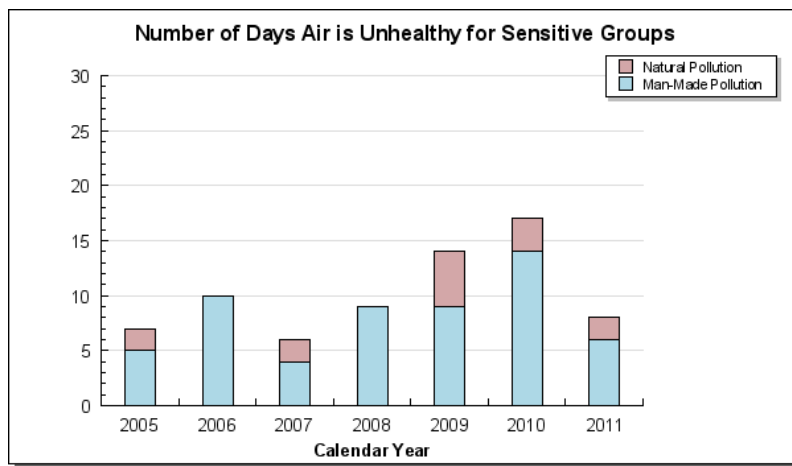
Air Quality Web Services

- Sign up for air alerts and information
- Air permits, approvals, public notices
- Air quality advisories
- Air quality complaint form
- Emission estimates for industrial units
- Real time air quality monitoring data
- Working to expand and improve services

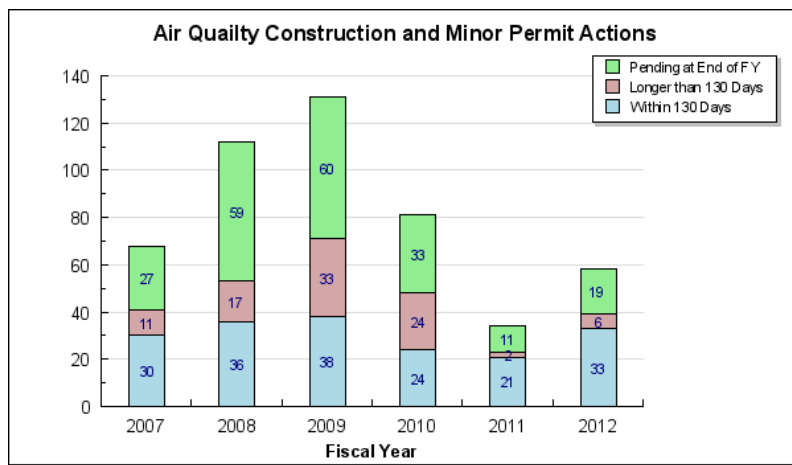
A screenshot of the Alaska Department of Environmental Conservation (DEC) Division of Air Quality website. The page has a yellow header with "State of Alaska" and navigation links for "myAlaska", "My Government", "Resident", and "Business". Below the header is a blue banner with the "Alaska DEC" logo and the text "Alaska Department of Environmental Conservation" and "Division of Air Quality". A breadcrumb trail reads "State of Alaska > DEC > Air Quality > AOS > Air Quality Advisories". The main content area is titled "Air Quality Advisories" and features a green box with a checkmark icon and the text "No active advisories are currently in effect." Below this is a map of Alaska with a "Map" button and a "Satellite" button. The map shows the state of Alaska with labels for "Chukchi Sea", "Alaska", "Yukon", and "Gulf of Alaska". A Google logo is visible in the bottom left corner of the map area, and a copyright notice "Map data ©2013 Google, INEGI, ZENRIN - Terms of Use" is in the bottom right. A disclaimer at the bottom of the page states "Map Markers are representative only. Please see the advisory for details and affected areas."



Air Quality Performance Measures



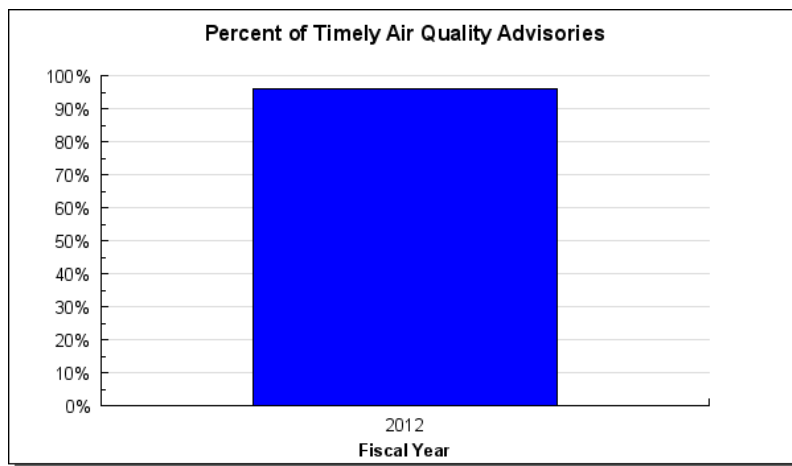
Pollutants of concern are carbon monoxide, fine particulate matter, and coarse particulate matter.



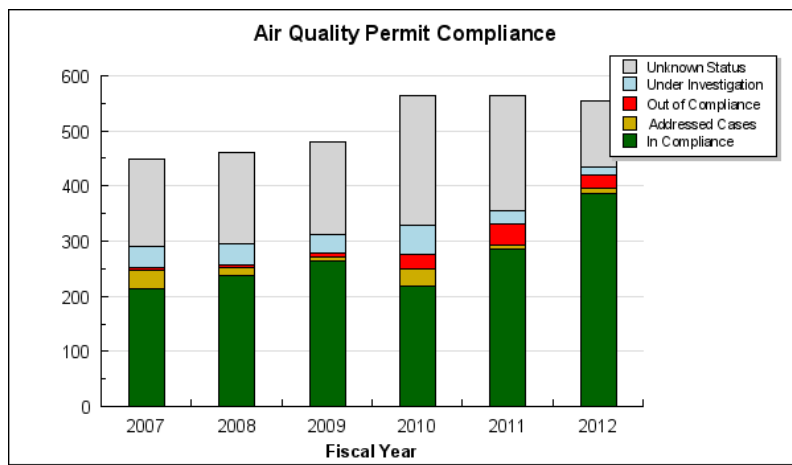
The number of development projects seeking construction permits increased in FY2012.



Air Quality Performance Measures



Air quality advisories are posted to the Department's web page and distributed electronically to interested parties.



Sources known to be in compliance with their air permits increased nearly 20% from FY2011 to FY2012.



Air Quality Budget

**2013 Legislature - Operating Budget
Allocation Totals - Governor Structure**

(Subcommittee Book p. 32-33)

Numbers and Language

Agency: Department of Environmental Conservation

**Appropriation: Environmental Health
Allocation: Air Quality**

	[1] 12Actual	[2] 13 CC	[3] 13 Auth	[4] 13MgtPln	[5] Adj Base	[6] Gov	[6] - [1] 12Actual to Gov	[6] - [4] 13MgtPln to Gov	[6] - [5] Adj Base to Gov
Total	8,334.3	10,182.0	10,209.8	10,209.8	10,209.8	10,109.8	1,775.5 21.3 %	-100.0 -1.0 %	-100.0 -1.0 %
<u>Objects of Expenditure</u>									
Personal Services	5,979.6	6,322.4	6,322.4	6,322.4	6,322.4	6,322.4	342.8 5.7 %	0.0	0.0
Travel	224.3	249.9	257.7	257.7	257.7	257.7	33.4 14.9 %	0.0	0.0
Services	1,800.0	3,237.5	3,257.5	3,257.5	3,257.5	3,157.5	1,357.5 75.4 %	-100.0 -3.1 %	-100.0 -3.1 %
Commodities	208.1	217.2	217.2	217.2	217.2	217.2	9.1 4.4 %	0.0	0.0
Capital Outlay	22.3	55.0	55.0	55.0	55.0	55.0	32.7 146.6 %	0.0	0.0
Grants, Benefits	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0
Miscellaneous	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<u>Funding Sources</u>									
1002 Fed Rcpts (Fed)	1,636.3	1,870.5	1,870.5	1,870.5	1,870.5	1,870.5	234.2 14.3 %	0.0	0.0
1003 G/F Match (UGF)	1,042.2	1,077.9	1,077.9	1,077.9	1,077.9	1,077.9	35.7 3.4 %	0.0	0.0
1004 Gen Fund (UGF)	539.2	530.3	558.1	558.1	558.1	558.1	18.9 3.5 %	0.0	0.0
1005 GF/Prgm (DGF)	1,322.7	1,791.6	1,791.6	1,791.6	1,791.6	1,791.6	468.9 35.5 %	0.0	0.0
1007 I/A Rcpts (Other)	61.7	166.0	166.0	166.0	166.0	166.0	104.3 169.0 %	0.0	0.0
1061 CIP Rcpts (Other)	418.6	146.9	146.9	146.9	146.9	146.9	-271.7 -64.9 %	0.0	0.0
1093 Clean Air (Other)	3,252.4	4,450.5	4,450.5	4,450.5	4,450.5	4,450.5	1,198.1 36.8 %	0.0	0.0
1108 Stat Desig (Other)	61.2	148.3	148.3	148.3	148.3	48.3	-12.9 -21.1 %	-100.0 -67.4 %	-100.0 -67.4 %
<u>Positions</u>									
Perm Full Time	61	61	61	63	63	63	2 3.3 %	0	0
Perm Part Time	0	0	0	0	0	0	0	0	0
Temporary	3	3	3	1	1	1	-2 -66.7 %	0	0



Air Quality Budget

(Subcommittee Book p. 32-33)

Budget Changes:

- **Anchorage Vehicle Inspection Program** **-\$100.0 SDPR**
 - Due to the March 2012 suspension of the vehicle inspection and maintenance program (I/M) program in Anchorage, statutory designated program receipt authority is no longer needed for this program.



Division 10-Year Plan Highlights

- Operating Budget
 - Modeling and analysis of air quality associated with large mining operations.
 - Permitting and compliance activities associated with AGIA starting in FY2016.
 - Assist rural communities with air pollution from dust, landfill burning, and wood smoke.



Questions?

