

State of Alaska FY2005 Governor's Operating Budget

Department of Public Safety Fire Prevention Results Delivery Unit Budget Summary

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Fire Prevention Results Delivery Unit

Contribution to Department's Mission

To prevent the loss of life and property from fire and explosion.

Core Services

- Public Fire Safety and Prevention Education
- Building Plan Review of commercial buildings, 4-plex and above
- Building and Fire Code Management
- Fire and Life Safety Inspections of priority occupancies
- Fire Service Training
- Fire Investigations of major fire incidents involving high dollar loss, fatality, or major community impact

End Results	Strategies to Achieve Results
<p>(1) Reduce loss of life due to fire.</p> <p><u>Target:</u> Reduce fire fatalities by 5% per year based on a 5-year rolling average. <u>Measure:</u> % Change in number of fire fatalities.</p> <p>(2) Reduce property loss due fire.</p> <p><u>Target:</u> Reduce property loss by 5% per year based on a 5-year rolling average. <u>Measure:</u> % Change in dollar value of property loss.</p> <p>(3) Reduce number of fires.</p> <p><u>Target:</u> Reduce number of fires by 5% per year based on a 5-year rolling average. <u>Measure:</u> Reduction in number of fires.</p>	<p>(1) Public education programs.</p> <p><u>Target:</u> Reduce fire fatalities in high-risk groups by 10%. <u>Measure:</u> % Change in number of fire fatalities in high-risk groups.</p> <p><u>Target:</u> 10% Increase in delivery of public fire education programs. <u>Measure:</u> % Change in number of public fire education programs delivered.</p> <p><u>Target:</u> Reduce property loss in high loss occupancies by 10%. <u>Measure:</u> Change in property loss in targeted occupancies.</p> <p><u>Target:</u> 10% Increase in attendees at public education program. <u>Measure:</u> % Change in number of attendees at public fire education programs.</p> <p><u>Target:</u> Reduce fires in high loss regions by 10%. <u>Measure:</u> % Change in number of fires in targeted regions.</p> <p>(2) Fire and Life Safety Inspections.</p> <p><u>Target:</u> 30% of all buildings scheduled for priority Fire and Life Safety Building Inspection to be found in compliance at time of inspection. <u>Measure:</u> % of buildings found in compliance with legal standards at time of inspection.</p> <p>(3) Building Plan Review for code compliance.</p> <p><u>Target:</u> Identify structures being built or modified without Fire and Life Safety Plan Review. <u>Measure:</u> Number of buildings identified as being</p>

End Results	Strategies to Achieve Results
	<p>built/modified without Fire and Life Safety Plan Review.</p> <p>(4) Fire Service Training.</p> <p><u>Target:</u> 10% Increase in rescue training. <u>Measure:</u> Number of students attending rescue training.</p> <p><u>Target:</u> 10% increase in firefighter and fire officer training. <u>Measure:</u> Number of students attending firefighter/fire officer training courses.</p> <p><u>Target:</u> 10% increase in the number of Fire Prevention Education courses delivered to firefighters. <u>Measure:</u> Number of Fire Prevention Education courses delivered to firefighters.</p> <p><u>Target:</u> 10% increase in number of firefighters attending Building Safety Inspection training. <u>Measure:</u> Number of firefighters attending Building Safety Inspection training.</p>

Major Activities to Advance Strategies	
<ul style="list-style-type: none"> • Coordinate delivery of public fire education programs to youth and elderly population. • Start new public fire education programs in willing communities. • Work with local fire departments to improve existing public fire education programs. • Coordinate delivery of public fire education programs to owners and occupants of high loss occupancies. • Coordinate delivery of public fire education programs to residents of high loss regions. • Initial fire and life safety inspections, inspection follow-ups. Fire system reports review and follow-up. 	<ul style="list-style-type: none"> • Code review and adoption. • Advanced search and rescue training. Thermal imaging training. • Coordinate advanced fire suppression classes for local fire departments. • Coordinate public fire education classes for local fire departments. • Coordinate company inspection classes for local fire departments.

FY2005 Resources Allocated to Achieve Results							
<p>FY2005 Results Delivery Unit Budget: \$4,045,600</p>	<p>Personnel:</p> <table> <tr> <td>Full time</td> <td>26</td> </tr> <tr> <td>Part time</td> <td>1</td> </tr> <tr> <td>Total</td> <td>27</td> </tr> </table>	Full time	26	Part time	1	Total	27
Full time	26						
Part time	1						
Total	27						

Performance Measure Detail

(1) Result: Reduce loss of life due to fire.

Target: Reduce fire fatalities by 5% per year based on a 5-year rolling average.

Measure: % Change in number of fire fatalities.

Number of Fire Fatalities based on 5-year Rolling Average (calendar year)

Year					YTD Total
2001					17.6
2002					16.6
2003					13.2

Analysis of results and challenges: Alaska still ranks above the national average in per capita fire fatalities. However, progress is being made to reduce fire-related fatalities in Alaska. The most recent full year in which data has been compiled is calendar year 2002. 2003 data is as of 11/21/03.

Alaska has had 7 fire fatalities in calendar year 2003 (as of 11/21/03).

(2) Result: Reduce property loss due fire.

Target: Reduce property loss by 5% per year based on a 5-year rolling average.

Measure: % Change in dollar value of property loss.

Dollar Value of Property Loss based on 5-year Rolling Average (by calendar year)

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
2001	\$7,129,031	\$7,475,945	\$3,695,429	\$6,627,562	\$24,927,967
2002	\$6,742,793	\$5,919,224	\$4,532,555	\$7,055,018	\$24,249,590

Analysis of results and challenges: Alaska experiences significant fire related property loss each year. The most recent full year in which data has been compiled is calendar year 2002, due to lag times in receiving data from reporting fire departments.

(3) Result: Reduce number of fires.

Target: Reduce number of fires by 5% per year based on a 5-year rolling average.

Measure: Reduction in number of fires.

Number of Structure Fires by 5-year Rolling Average (by calendar year)

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
2001	245	248	199	236	928
2002	225	233	190	217	865

Analysis of results and challenges: The Division of Fire Prevention is working to reduce the number of structure fires in Alaska through public education programs, fire and life safety building inspections, and building plan review for code compliance. The most recent full year in which data has been compiled is calendar year 2002, due to lag times in receiving data from reporting fire departments.

(1) Strategy: Public education programs.

Target: Reduce fire fatalities in high-risk groups by 10%.

Measure: % Change in number of fire fatalities in high-risk groups.

Number of Fire Fatalities in High Risk Groups (by calendar year)

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
2002	0	0	1	2	3
2003	1	1	0	0	2

Analysis of results and challenges: Nationally, children and the elderly have been identified to be at higher risk for fire related fatalities. Division of Fire Prevention has determined Alaska's high-risk groups to be children under 10-years and adults over 65-years of age. (2003 Quarter 4 data is as of 11/21/03).

Target: 10% Increase in delivery of public fire education programs.

Measure: % Change in number of public fire education programs delivered.

Number of Fire Education Programs Delivered (by fiscal year)

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
2002	0	0	2	5	7
2003	4	3	11	9	27
2004	8	4	0	0	12

Analysis of results and challenges: Public fire education is an essential element in reducing fires, fire fatalities, and fire property loss in Alaska. FY04 data is as of 11/21/03.

Target: Reduce property loss in high loss occupancies by 10%.

Measure: Change in property loss in targeted occupancies.

Property Loss in Targeted Occupancies - Residential Structures (by calendar year)

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
2001	\$3,798,918	\$2,922,169	\$2,495,820	\$3,021,401	\$12,238,308
2002	\$2,900,355	\$8,357,129	\$2,127,055	\$3,562,430	\$16,946,969

Analysis of results and challenges: Residential occupancies continue to be the type of structures where Alaska's greatest fire related property loss occurs. The Division of Fire Prevention is targeting efforts toward reducing fire-related loss in residential occupancies. The division is working to reduce property loss through a combination of public fire education, fire and life safety inspections of those occupancies at risk for greatest potential loss, and through plan review of commercial buildings for code compliance. The most recent full year in which data has been compiled is calendar year 2002, due to lag times in receiving data from reporting fire departments.

Target: 10% Increase in attendees at public education program.

Measure: % Change in number of attendees at public fire education programs.

Number of Attendees at Public Education Programs (by fiscal year)

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
2002	0	0	40	114	154
2003	110	32	277	284	703
2004	139	83	0	0	222

Analysis of results and challenges: The Division of Fire Prevention is working to increase the number of attendees at public fire prevention education programs. A full time position was assigned to dedicated public fire prevention education efforts in February 2002. Formal public fire prevention education programs were not delivered by the division prior to that time. FY04 data is as of 11/21/03.

Target: Reduce fires in high loss regions by 10%.

Measure: % Change in number of fires in targeted regions.

Number of Fires in Targeted Regions - Western Alaska, Central Alaska, and Anchorage Areas

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
2001	114	136	118	129	497
2002	125	162	137	116	540

Analysis of results and challenges: The Division of Fire Prevention is working to reduce fires in target regions. Target regions are those areas of the state that experience a higher number of fires. Fire incident reports indicate the greatest number of fires occur in Western Alaska, Central Alaska, and Anchorage areas. These areas are targeted for increased educational and inspection efforts to reduce fires. The most recent full year in which data has been compiled is calendar year 2002, due to lag times in receiving data from reporting fire departments.

(2) Strategy: Fire and Life Safety Inspections.

Target: 30% of all buildings scheduled for priority Fire and Life Safety Building Inspection to be found in compliance at time of inspection.

Measure: % of buildings found in compliance with legal standards at time of inspection.

Percent of Buildings Found in Compliance with Legal Standards at Time of Inspection (by fiscal year)

Year					YTD Total
2002					21.3
2003					27.4

Analysis of results and challenges: Current staffing levels require the Division of Fire Prevention to prioritize Fire and Life Safety Inspections. Prioritization is based upon those occupancies that are at the greatest risk of fire-related injuries and fatalities, property loss, and community impact. The division is working to increase owner/occupant awareness of hazards so a greater number of buildings will be found in compliance with legal standards at time of inspection.

(3) Strategy: Building Plan Review for code compliance.

Target: Identify structures being built or modified without Fire and Life Safety Plan Review.

Measure: Number of buildings identified as being built/modified without Fire and Life Safety Plan Review.

Number of Buildings Identified as Being Constructed/Modified without Fire and Life Safety Plan Review (by fiscal year)

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
2003	21	32	34	25	112
2004	56	0	0	0	56

Analysis of results and challenges: Plan Review of building construction/modification projects to ensure they meet Fire and Life Safety standards has proven to be a key factor in preventing life and property loss from fire. The division is working to identify those buildings that are being constructed/modified without plan review. This is a new measure. FY04 data is as of 11/21/03.

(4) Strategy: Fire Service Training.

Target: 10% Increase in rescue training.

Measure: Number of students attending rescue training.

Number of Students Attending Rescue Training (by fiscal year)

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
2004	0	0	0	0	0

Analysis of results and challenges: Proper firefighter rescue techniques are an important element in reducing fire-related injuries and fatalities. New Measurement. Prior data is not available.

Target: 10% increase in firefighter and fire officer training.

Measure: Number of students attending firefighter/fire officer training courses.

Number of Students Attending Firefighter/Fire Officer Training (by fiscal year)

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
2005	0	0	0	0	0

Analysis of results and challenges: Proper training of firefighters and fire officers at all levels is critical to the reduction of fire-related injuries, fatalities, and property loss. This training includes all levels from basic firefighting skills to advanced fire officer strategy and tactics. New Measurement. Prior data not available.

Target: 10% increase in the number of Fire Prevention Education courses delivered to firefighters.

Measure: Number of Fire Prevention Education courses delivered to firefighters.

Number of Fire Prevention Education Classes Delivered to Firefighters (by fiscal year)

Year					YTD Total
2005					0

Analysis of results and challenges: These Fire Prevention Education courses are designed to give fire department members the skills and knowledge necessary to present public education programs within their communities. New Measurement. Prior data not available.

Target: 10% increase in number of firefighters attending Building Safety Inspection training.

Measure: Number of firefighters attending Building Safety Inspection training.

Number of Firefighters Attending Building Safety Inspection Training (by fiscal year)

Year	Quarter 1	Quarter 2	Quarter 3	Quarter 4	YTD Total
2005	0	0	0	0	0

Analysis of results and challenges: These Building Safety Inspection courses are designed to give fire department members the skills and knowledge to perform building safety inspections in their communities. New Measurement. No prior data available.

Key RDU Challenges

- Fire Prevention conducts inspections of buildings on a two-year cycle, with emphasis on those with a potential for a large loss of life. Such facilities include schools; daycare centers; jails; hospitals; hotels, motels, and dormitories with 20 or more rooms and/or three stories or more of height; assisted living centers; and theaters, churches, community halls, auditoriums, restaurants, and bars with an occupant load greater than 50. Fire Prevention also conducts inspections of special hazard occupancies related to the Trans-Alaska Pipeline, North Slope, and Cook Inlet oil and gas platforms as requested.
- Alaska's fire losses are still among the worst in the nation; however, through fire prevention efforts the division is seeing improvement. From 1993 – 1996, 3.56 Alaskans per 100,000 died annually from fire, which is 2 times the national average. From 1997 – 2002, the fatality rate dropped to 2.6 Alaskans per 100,000, which is 1.7 times the national average. That is an average reduction of 6 deaths per year.
- Fire is a leading cause of accidental death in children and the elderly.
- Assistance from the division will be required to support the Alaska Fire Standards Council.
- Small rural fire departments need increasing support.

Significant Changes in Results to be Delivered in FY2005

See specific components for changes in service level.

Major RDU Accomplishments in 2003

- Conducted 1,437 of building inspections.
- Completed 1,042 plan reviews.
- Provided fire prevention education information to 26,825 Alaskans.
- Conducted 23 Life Safety Code surveys of Medicare and Medicaid participant facilities throughout the state.
- Investigated 39 significant fires, including all fatality fires.

- Provided training to numerous emergency responders at various levels in urban and rural communities.
- Managed the fire statistics program for the State of Alaska.
- Provided assistance and support to the statewide training conference for the Alaska Fire Chiefs Association and the Alaska Firefighters Association.
- Provided fire and emergency response training to all new VPSOs at the Public Safety Academy.
- Issued 1,002 permits for fire system technicians and fireworks related activities.
- Increased efforts to combat juvenile fire setters.
- Provided Rural Basic Firefighter Training for seven rural communities.

Contact Information
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**Fire Prevention
RDU Financial Summary by Component**

All dollars shown in thousands

	FY2003 Actuals				FY2004 Authorized				FY2005 Governor			
	General Funds	Federal Funds	Other Funds	Total Funds	General Funds	Federal Funds	Other Funds	Total Funds	General Funds	Federal Funds	Other Funds	Total Funds
<u>Formula Expenditures</u>												
None.												
<u>Non-Formula Expenditures</u>												
Fire Prevention Operations	895.5	0.0	1,044.1	1,939.6	837.4	0.0	1,464.7	2,302.1	866.8	0.0	1,501.7	2,368.5
Fire Service Training	354.9	123.1	406.2	884.2	399.9	161.3	1,068.9	1,630.1	413.5	161.6	1,102.0	1,677.1
Totals	1,250.4	123.1	1,450.3	2,823.8	1,237.3	161.3	2,533.6	3,932.2	1,280.3	161.6	2,603.7	4,045.6

**Fire Prevention
Summary of RDU Budget Changes by Component
From FY2004 Authorized to FY2005 Governor**

All dollars shown in thousands

	<u>General Funds</u>	<u>Federal Funds</u>	<u>Other Funds</u>	<u>Total Funds</u>
FY2004 Authorized	1,237.3	161.3	2,533.6	3,932.2
Adjustments which will continue current level of service:				
-Fire Prevention Operations	29.4	0.0	37.0	66.4
-Fire Service Training	13.6	0.3	3.1	17.0
Proposed budget increases:				
-Fire Service Training	0.0	0.0	30.0	30.0
FY2005 Governor	1,280.3	161.6	2,603.7	4,045.6