

Fire Rescue

Update 30-Jan-2015



Fire Rescue Update

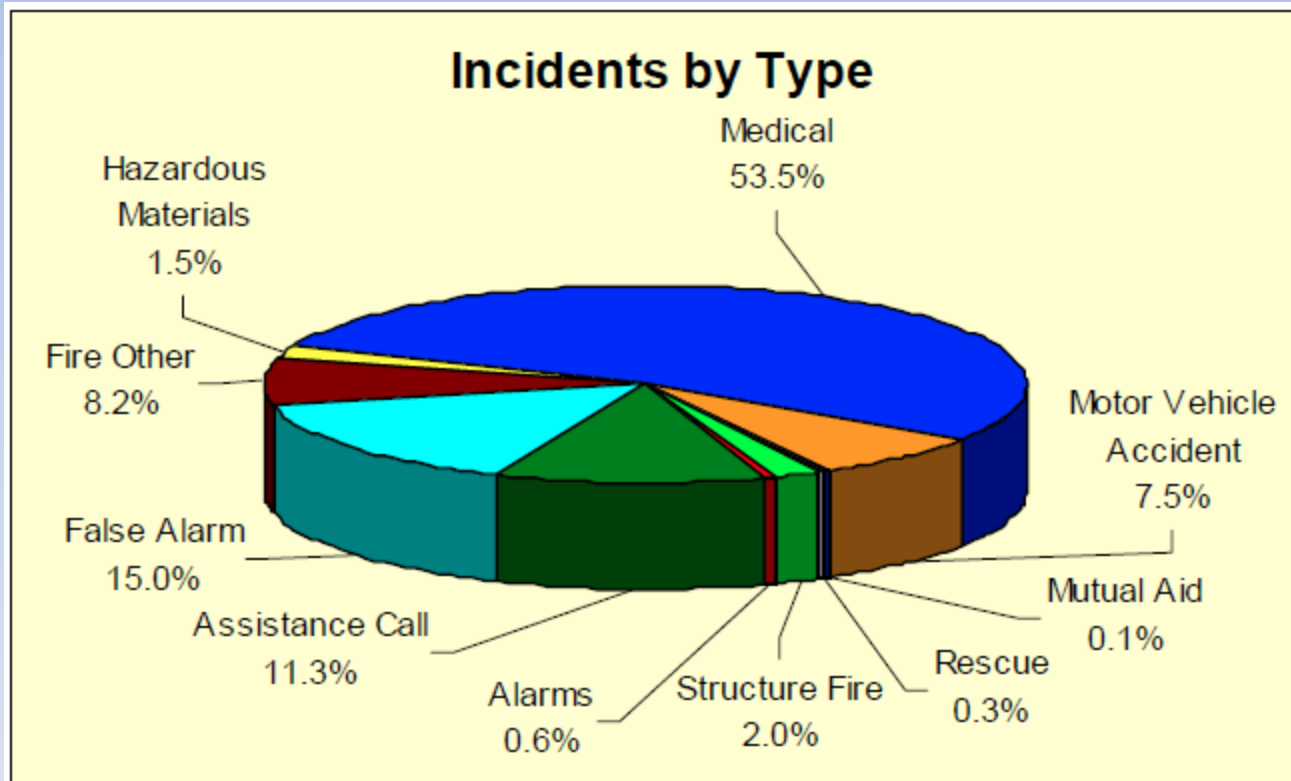
- **2005 Standards of Response Coverage Study**
- **The “10-Year Fire Plan” (2005-2015)**
- **2013 Proposed Business Model (IRMP)**
- **Current Fire Plan review**
- **Future planning and budget implications**

Standard of Response Coverage Study

- **Consultant review and analysis**
- **Incidents Nov. 2002 - Oct. 2004**
- **Several recommendations**

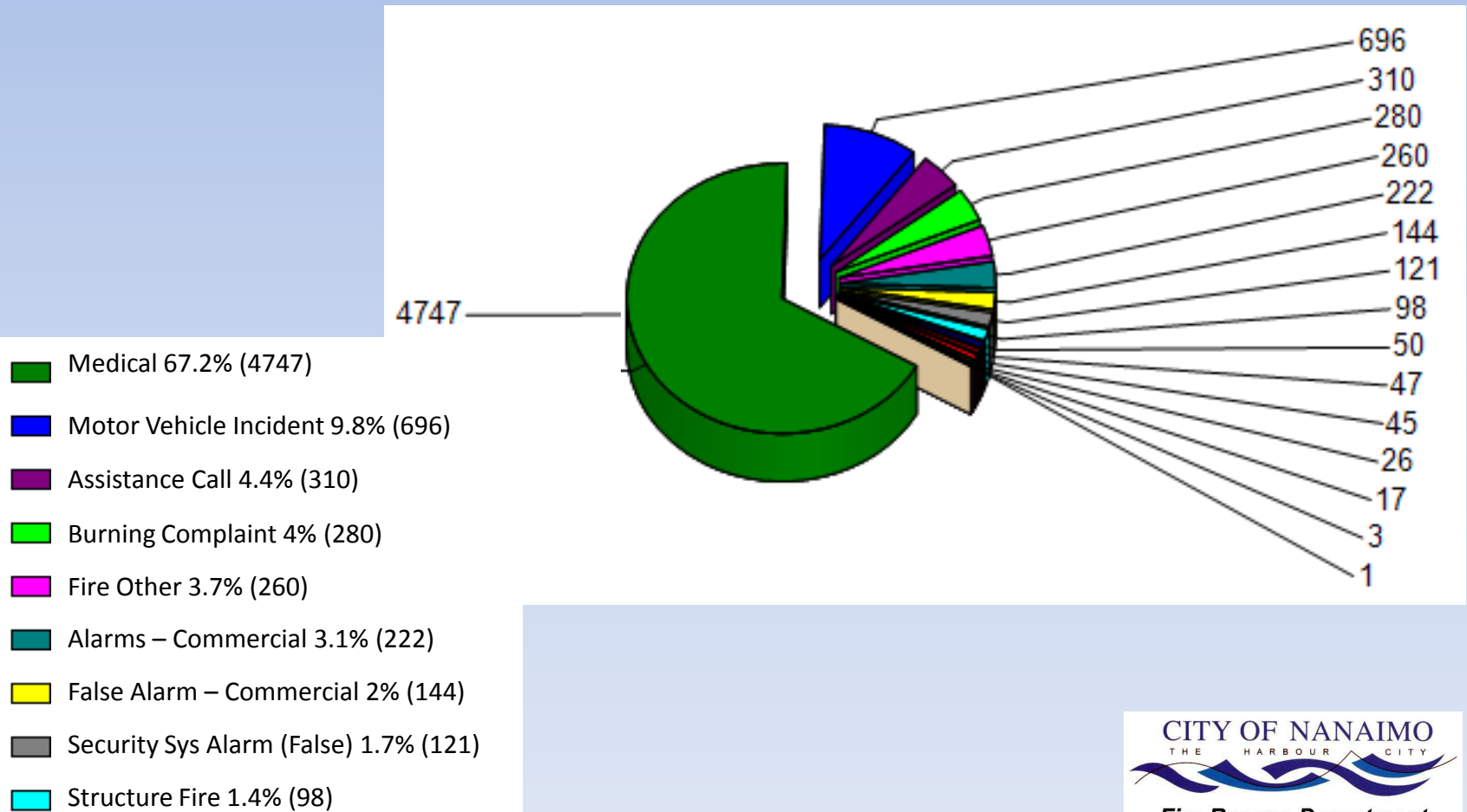
Standard of Response Coverage Study

Incidents Nov. 2002 - Oct. 2004:



Standard of Response Coverage Study

Incidents 2014:



Standard of Response Coverage Study

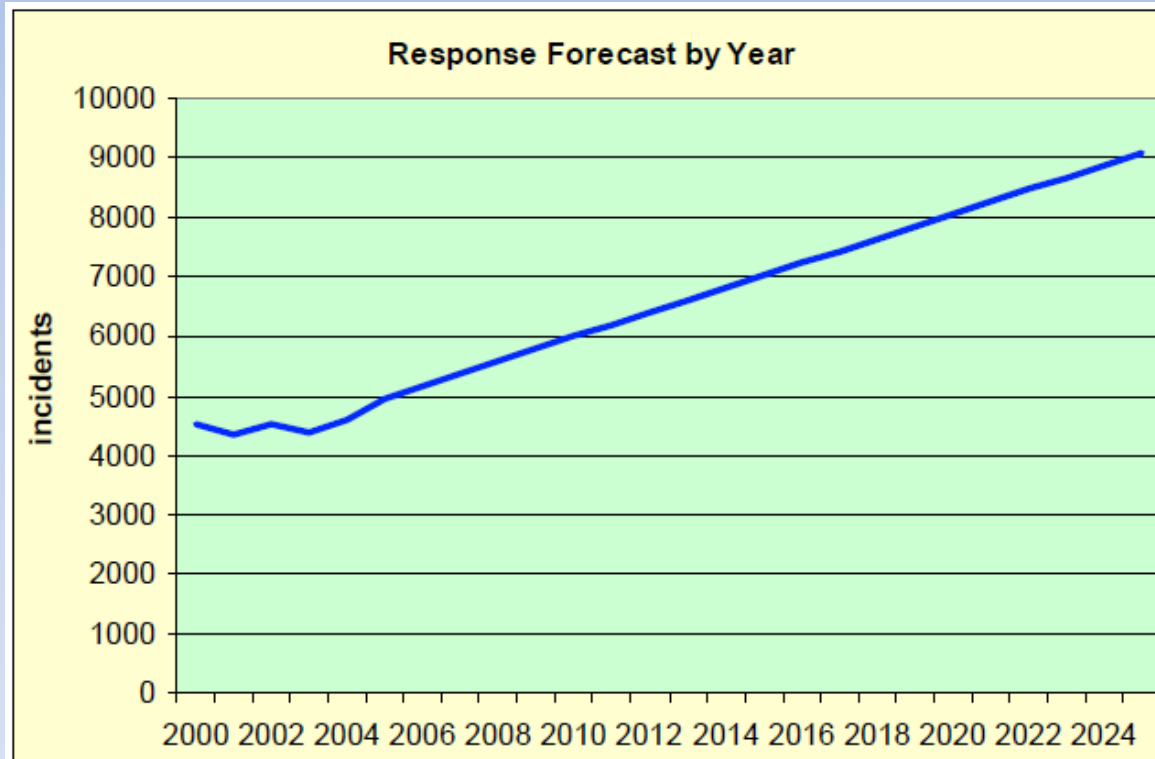
Incident response history

2014 incidents: 7067

Year	Incidents
1999	3091
2000	4531
2001	4333
2002	4506
2003	4393
2004	4582

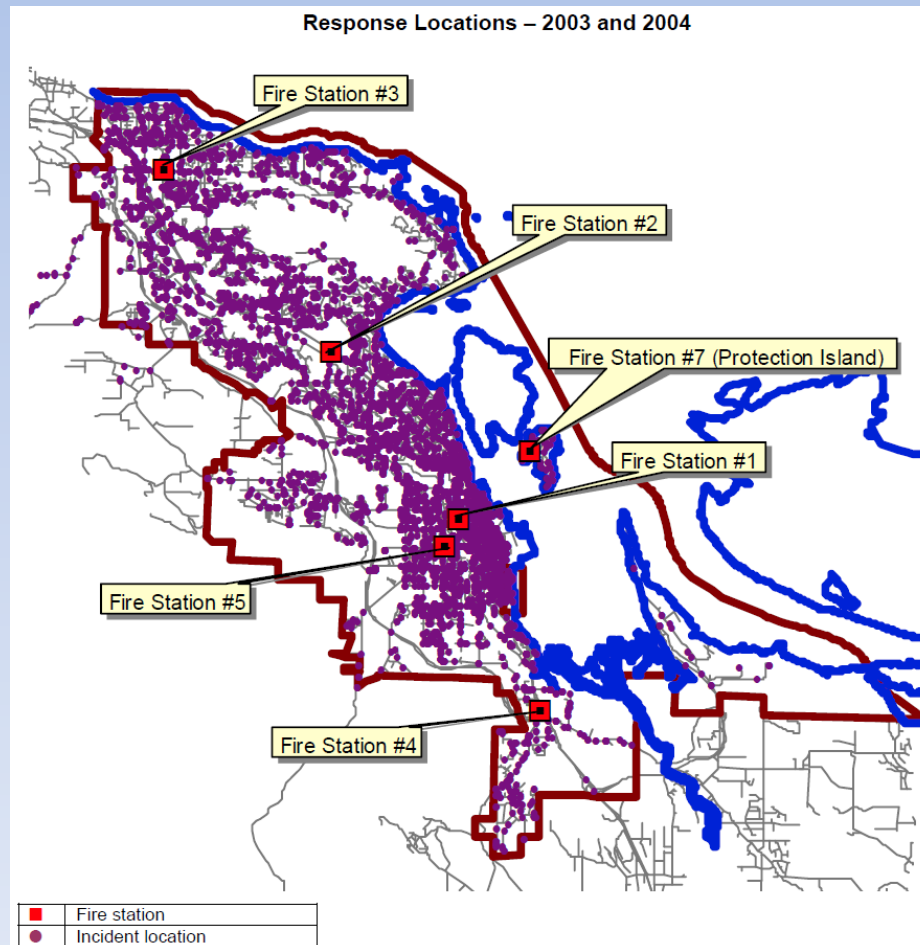
Standard of Response Coverage Study

Incident workload forecast:



Standard of Response Coverage Study

Fire Stations and Incident Distribution:



Standard of Response Coverage Study

Nanaimo Standard of Response:

- **First unit arrival within 6 min. 90% of the time**
 - **2004 = 58%**
 - **2014 = 81%**

Standard of Response Coverage Study

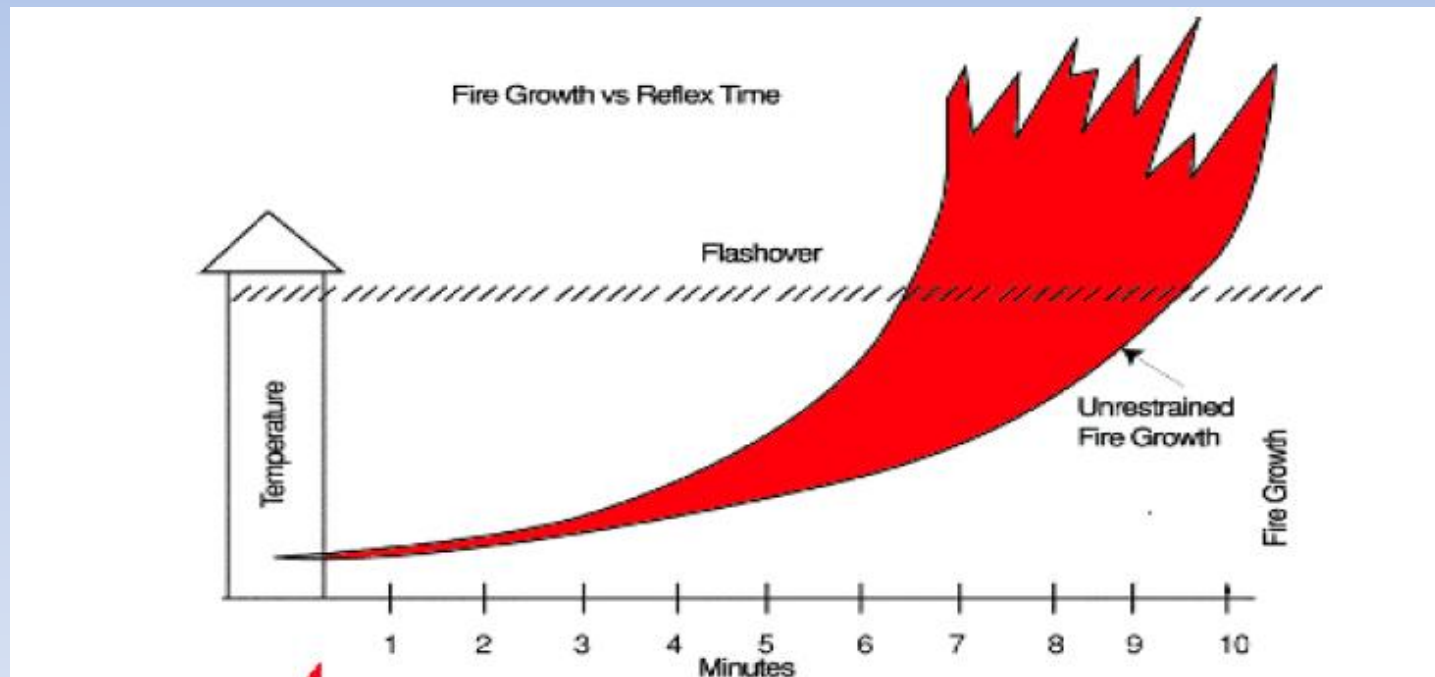
First Unit Arrival:

- 60 sec. dispatch
- 60 sec. turnout
- 4 min. travel

Detection	Report of Incident	DISPATCH	TURNOUT	TRAVEL	SET UP
		RESPONSE TIME			
Indirectly Manageable Public Education		Directly Manageable Department Resources, Processes & Commitment			

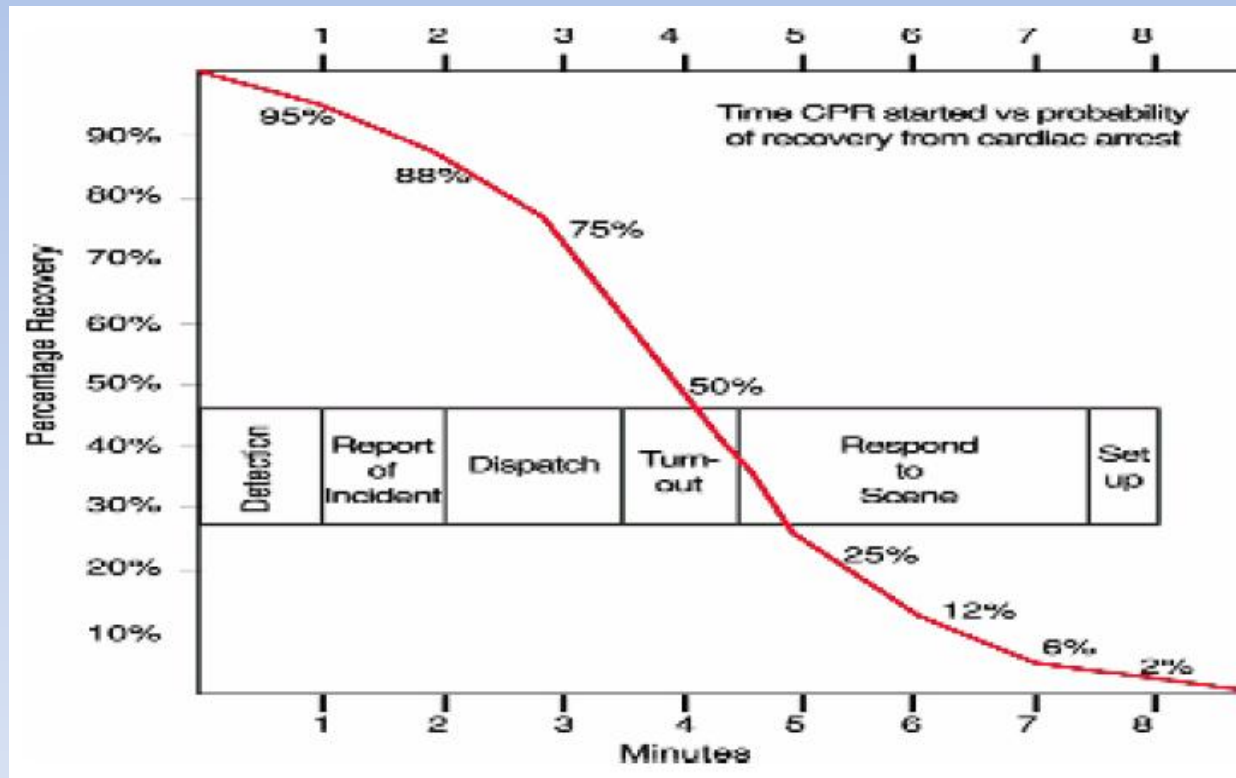
Standard of Response Coverage Study

Fire Growth:



Standard of Response Coverage Study

CPR:



Standard of Response Coverage Study

Nanaimo Standard of Response:

- **Arrival of full assignment of units within 10 minutes 90% of the time**
 - **2004 = 86%**
 - **2014 = 97 %**

Standard of Response Coverage Study

Key Recommendations:

- **Adopt standards of response for Nanaimo**
- **Add two new fire stations and 40 new firefighters**
 - **Station 4 (Chase River)**
 - **Station 6 (Hammond Bay)**
- **Add on-road managers (4 Assistant Chiefs)**
- **Amalgamate Station 5 paid on calls into Station 1**

10-Year Fire Plan

Options presented to Council in 2005

- **5 year implementation**
- **10 year implementation**
- **15 year implementation**

10-Year Fire Plan

Implemented:

- **2005 - adopted performance targets**
- **2005 - 2 new assistant chiefs**
- **2008 - construction Station 4**
- **2008 - 10 new firefighters**
- **2009 - 2 new assistant chiefs**
- **2010 - 10 new firefighters**

10-Year Fire Plan

Planned:

- **2016 – construct Station 6**
- **2017 – 10 new firefighters**
- **2018 – 10 new firefighters**

10-Year Fire Plan

Delays and deferrals:

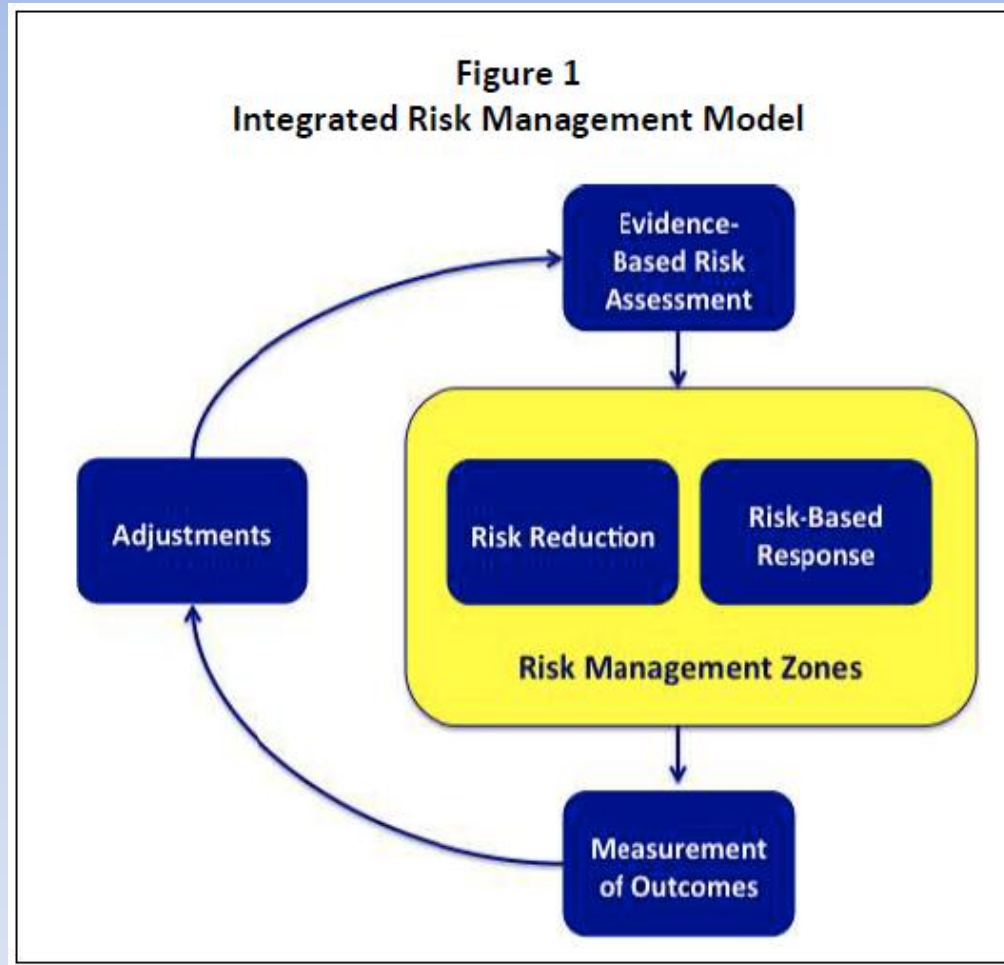
- **2009 – Two year delay recommended by City Manager and approved by Council**
- **2012 – Defer for one year at 2013 budget deliberation**
 - **Direction to update the plan to reflect current conditions and meet response performance targets**
- **2014 – Defer for one year at budget deliberation**
 - **Direction for new fire chief to review the plan**

2013 Proposed Business Model

Integrated Risk Management:

- **As directed in 2012 fire plan delay**
- **Economic downturn**
- **Emerging trends internationally**
- **New fire science**
- **Shift in incident workload**
- **All hazards approach**

2013 Proposed Business Model



2013 Proposed Business Model

Council directed staff to:

- **Conduct further review**
- **Engage stakeholders including:**
 - **Firefighter's Union**
 - **Community groups**

Current Review Process

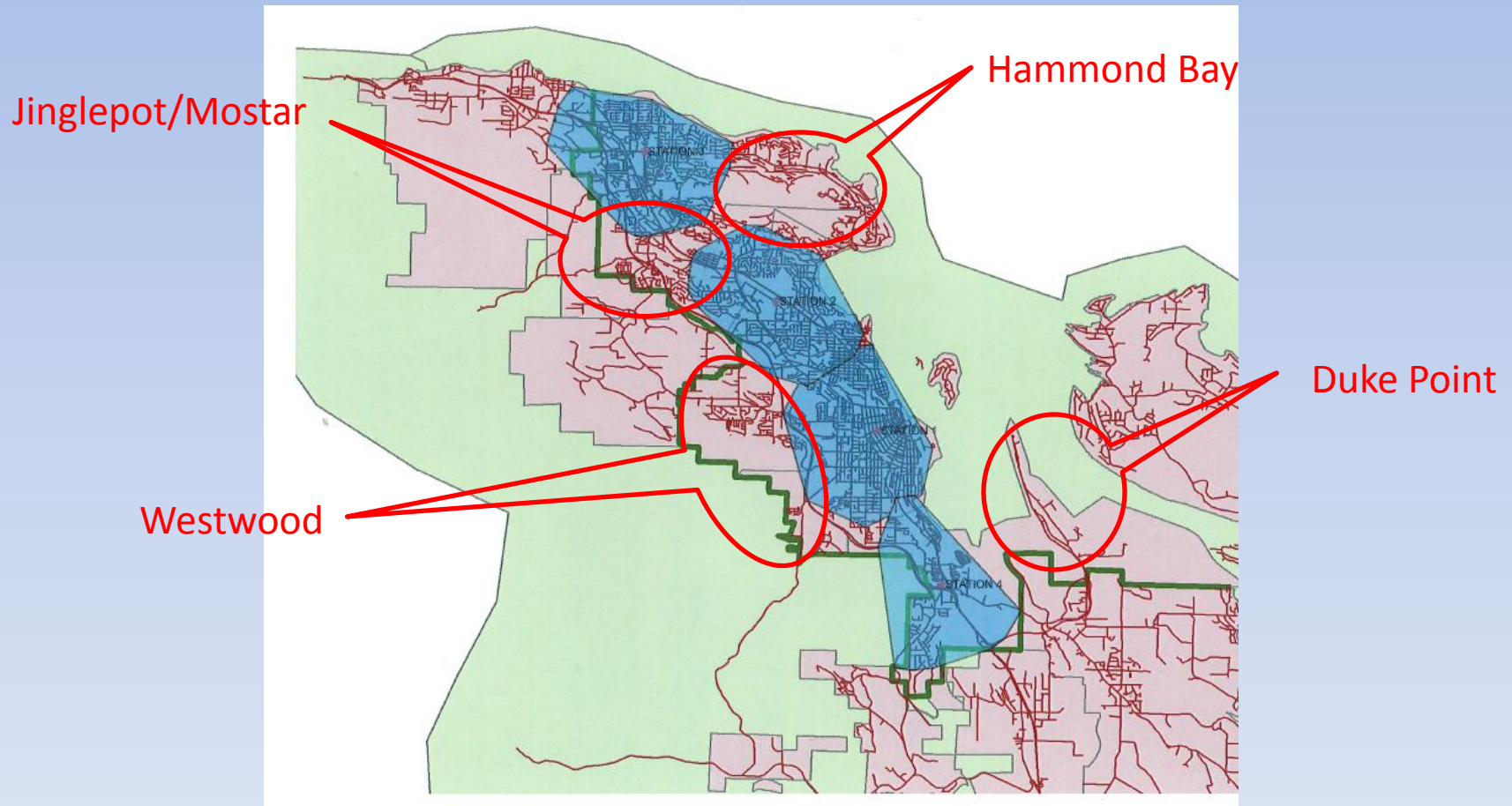
2015

Winter
2014/2015

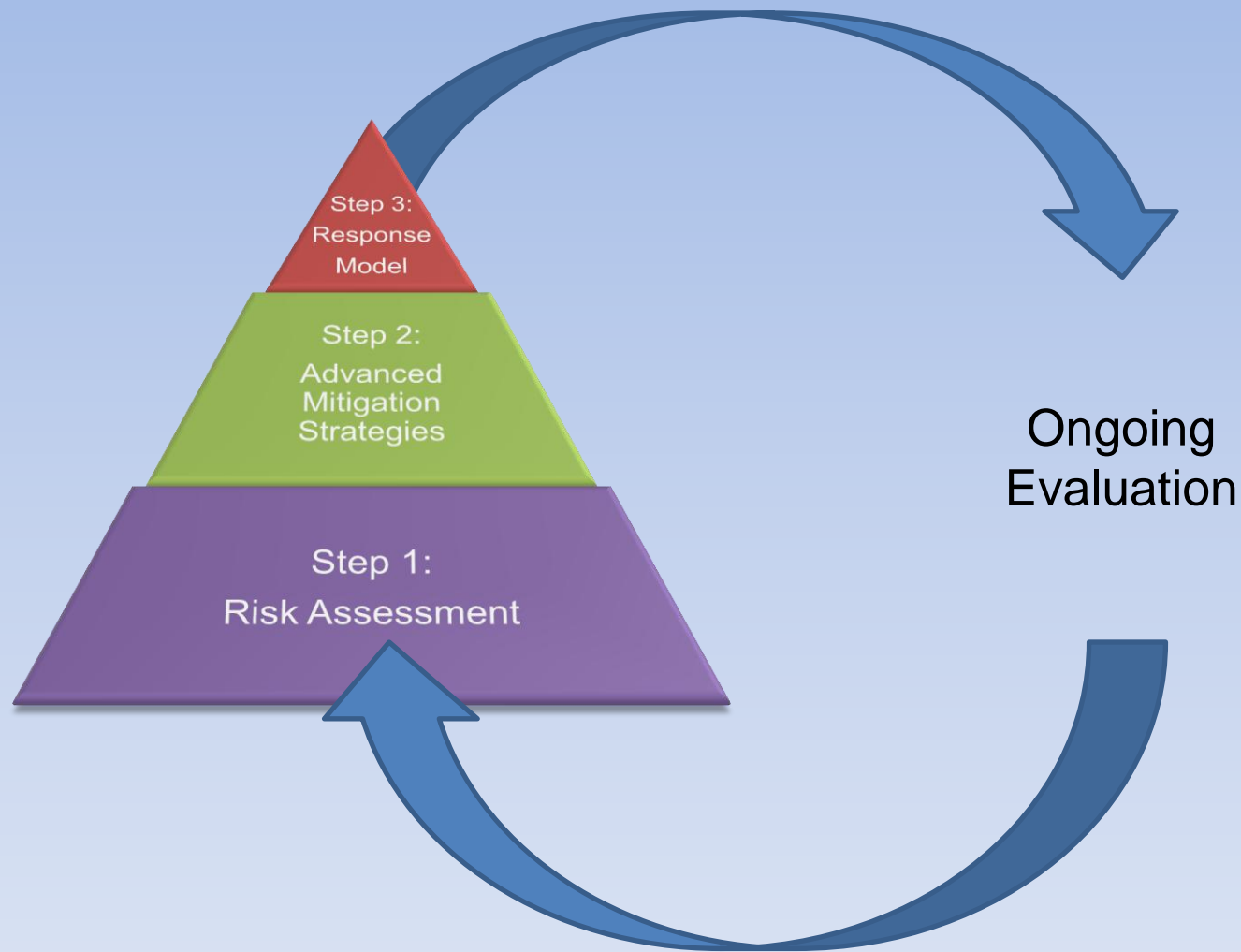
Fall 2014

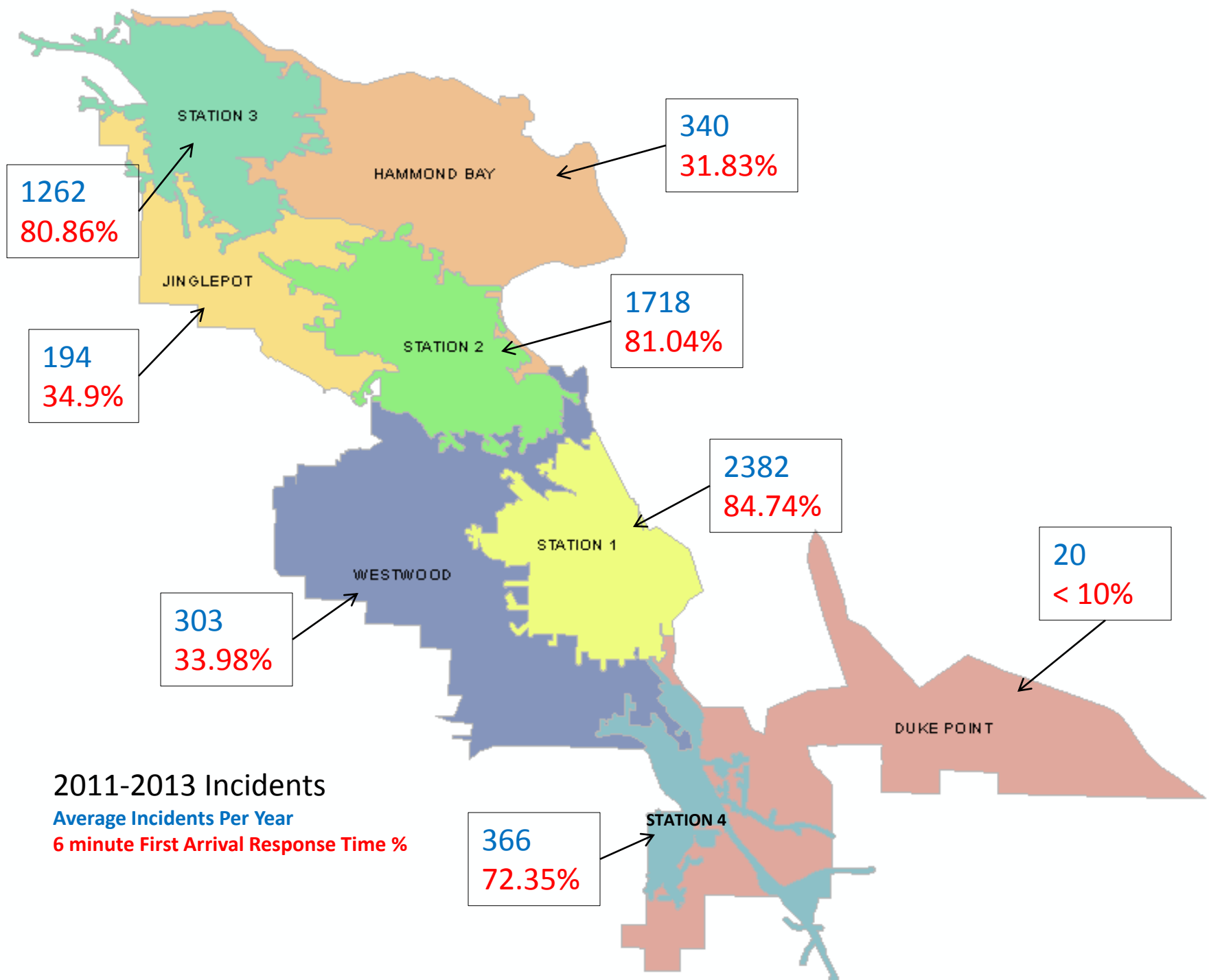


Risk Assessment by Zones



- Areas currently within 6 minute response capability
- Areas currently outside of 6 minute response capability





2011-2013 Incidents

Average Incidents Per Year

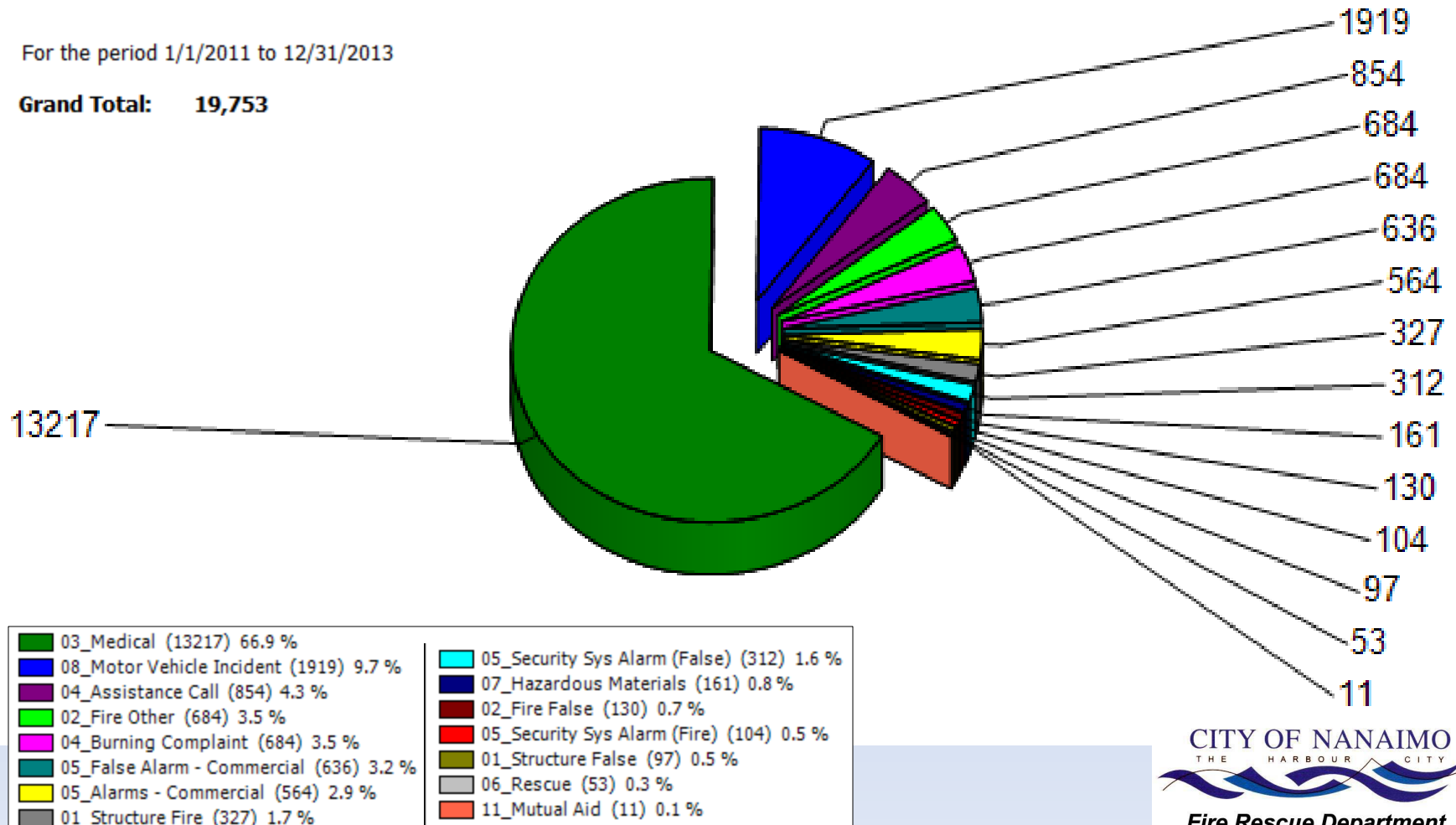
6 minute First Arrival Response Time %

Risk Assessment Data

Distribution of Incidents

For the period 1/1/2011 to 12/31/2013

Grand Total: 19,753



Budget Implications

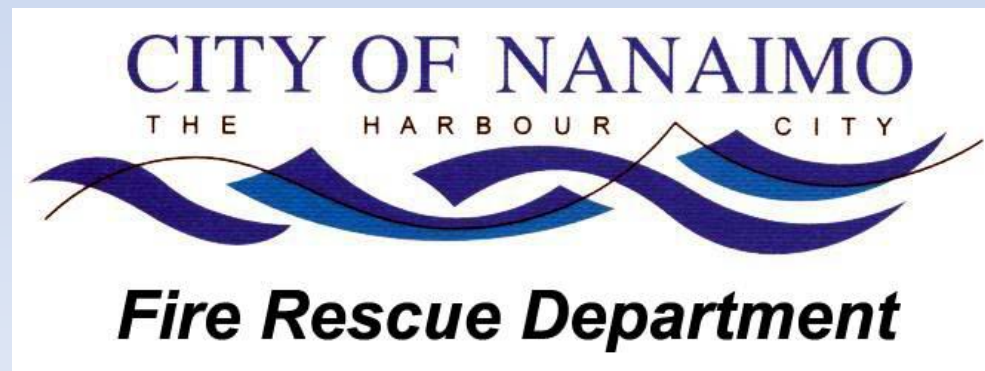
- **2015 - construct Station 6**
 - \$2.4m to be funded from borrowing
- **2016 – 10 new firefighters (July 1)**
 - \$327k
 - plus \$220k debt repayment (\$2.4m over 20 years)
- **2017 - 10 new firefighters (July 1)**
 - additional \$663k
 - plus \$220k debt repayment

Budget Implications

- **2018 – full year with 20 new firefighters**
 - additional \$410k
 - plus \$220k debt repayment
- **2019 – wage increments for 20 new firefighters**
 - \$1.6m to \$2.3m increase from current service level (2015)
 - plus \$220k debt repayment

Questions?

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