

# Arvada Fire Protection District



Fire Station # 5

## Station Based Community Risk Reduction Plan



September 2015

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# Vision, Mission, Values & Priorities

In the spaces below, provide AFD's Vision, Mission, Values and Priorities/goals. List the priorities in order of importance.

## Mission Statement

What is AFD's mission?

To preserve life, property and the environment

## Values

What are AFD's values?

Dedication, integrity, dependability, courage, respect, and transparent government

## Priorities

What are AFD's priorities?

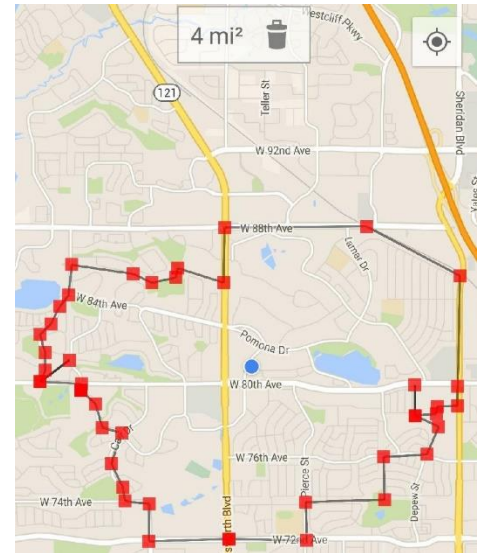
The District's goals and purposes are to provide fire prevention, fire suppression, investigation of the cause and origin of fire, arson investigations, hazardous materials response, rescue, disaster preparedness, ambulance (directly or through a third party), and emergency medical services to its citizens, property, persons conducting business in or traveling through the District, and areas outside the District through intergovernmental agreement, to the extent allowed by applicable law.

By providing the foregoing services, the District will help preserve human life and prevent human injury, suffering, or discomfort and the destruction of property from fire, medical crisis, hazardous materials incidents, storm, flood or other natural or manmade disasters.

# Description of Community/Service Area

## Geographic Boundaries

Station 5 is located in the Northeast corner of Arvada Fire Protection District. Station 5's primary response area is roughly 72<sup>nd</sup> Ave to 88<sup>th</sup> Ave and Sheridan Blvd to Club Crest Dr. The North and East border is shared with Westminster Fire. The South border is shared with Station 4 and Station 3. The West border is shared with Station 3 and Station 7. Station 5 primary response area is 4.0sqmi.



## Fire/EMS Data: 2015 Data

### Station 5's Primary Area Incidents:

<b>Total Calls in St. 5's Primary</b>	2435	<b>St. 5 Primary Population</b>	
<b>Call Average Per Day</b>	6.67	<b>FF per 1,000 population</b>	
<b>Percent of AFD Total Calls</b>	16.35%	<b>Calls per 1,000 population</b>	

<b>Fire</b>	25	1.03%
<b>EMS/Rescue</b>	1752	71.95%
<b>Hazardous Condition</b>	36	1.48%
<b>Good Intent Call</b>	175	7.19%
<b>Service Call</b>	297	12.20%
<b>False Call</b>	150	6.16%

### Engine 55:

<b>Total Engine 55 Calls</b>	1670	<b># of Code 3 Responses</b>	1214
<b>Call Average Per Day</b>	4.58	<b>Code 3 Avg. Response Time</b>	4:38

<b>Fire</b>	78	4.67%
<b>EMS/Rescue</b>	1099	65.81%
<b>Hazardous Condition</b>	41	2.46%
<b>Good Intent Call</b>	139	8.32%
<b>Service Call</b>	162	9.7%
<b>False Call</b>	151	9.04%

**Medic 55:**

**Total Medic 55 Calls** 2317 **# of Code 3 Responses** 1354  
**Call Average Per Day** 6.35 **Code 3 Avg. Response Time** 4:44

<b>Fire</b>	12	0.52%
<b>EMS/Rescue</b>	1929	83.25%
<b>Hazardous Condition</b>	14	0.60%
<b>Good Intent Call</b>	120	5.18%
<b>Service Call</b>	217	9.37%
<b>False Call</b>	25	1.08%

**Rescue 55:**

**Total Rescue 55 Calls** 1 **# of Code 3 Responses** 1  
**Call Average Per Day** 0.003 **Code 3 Avg. Response Time** 14:36

<b>Fire</b>		
<b>EMS/Rescue</b>	1	100%
<b>Hazardous Condition</b>		
<b>Good Intent Call</b>		
<b>Service Call</b>		
<b>False Call</b>		

## Station Infrastructure

### Current Service Delivery Model:

Arvada Fire Station #5 is dispatched in a similar manner as the other stations in Arvada Fire Protection District.

Station #5 houses three (3) response apparatus; Engine 55, Medic 55, and Rescue 55 and two Technical Rescue Trailers. Engine 55 is staffed by an Officer, Engineer, and two Firefighters. Medic 55 is staffed with a Paramedic/Firefighter and an EMT Driver/Firefighter. Rescue 55 is cross staffed by the personnel on Engine 55. The Officers at Station #5 are comprised of a Captain (C-Shift) and two (2) Lieutenants. Medic 55 personnel rotate every two (2) FLSA cycles (7 weeks) to Engine 52. One Firefighter from Engine 55 also rotates to Medic 54, on the same cycle. While the station only has 18 personnel assigned to the station at any one time, there are a total of 27 personnel that work out of Station #5 throughout the year. All personnel work the 48/96 hour shift schedule.

Engine 55 and Rescue 54 make up the Technical Rescue Team, with the Captain of Station #5 as the Team Lead. The Technical Rescue Team specializes in trench, confined space, high/low angle rope rescue, tower rescue, structural collapse, heavy extrication, large animal rescue, water rescue, and ice rescue. AFD Technical Rescue Team is also a member of the North Area Technical Rescue Team (NATRT) which is multi-jurisdictional joint team, comprised of nine (9) fire departments.

The station is located just off of a commercial shopping market strip mall, a large park/lake, and residential. There is a lot of foot and vehicle traffic around the station. The station strives to be a part of the community and to be great neighbors.

## Station 5



## Engine 55



## Medic 55



## Rescue 55



## TRT Trailers



## Demographics

	Local Area % Station Based	Comparison % To Entire District	Difference
<b><u>Age</u></b>			
Under 5 Years	6.2%	5.9%	+0.3%
5-19 Years	19.6%	19.75%	-0.15%
65 or older	12.8%	13.9%	-1.1%
<b><u>Race/Ethnicity</u></b>			
White	86.4%	89.8%	-3.4%
African American	1.4%	09.%	+0.5%
Asian	2.8%	2.2%	+0.6%
Native Am	0.5%	0.8%	-0.3%
Hispanic	19.2%	13.7%	+5.5%
Other (1 race)	7.4%	3.49%	+3.91%
Other (2< race)	1.6%	2.74%	-1.14%
<b><u>Education</u></b>			
< HS Education	7.6%	6.66%	+0.94%
HS Graduate	28.2%	24.65%	+3.55%
Associates/Bachelors	27.9%	57.2%	-29.3%
<b><u>Income</u></b>			
Below Poverty Level	7.9%	8%	-0.1%
<b><u>Disability</u></b>			
Visual	1.6%	2%	-0.4%
Hearing	3.6%	3.6%	0.0%
<b><u>Language</u></b>			
English	89.9%	89.76%	+0.14%
Spanish	6.8%	5.82%	+0.98%
Other Indo-European	2.0%	2.85%	-0.85%

\*Data for entire district is specific to Arvada for the exception of the disability information which is based off of state statistics.

**Land Use:**

Describe the physical/man-made "nature" of your community. Is your area mostly residential, commercial, industrial, a mix? What is the average age of buildings? What is the condition of critical infrastructure (declining/stable/gentrifying)? What is the percent in urban/suburban/rural zones?

	Description of Local Area
Residential/Commercial /Industrial /Mix	97.0% Residential 1.6% Commercial 1.0% Multi-Use
Avg. age of buildings	41 Years
Condition of Infrastructure	
Urban/suburban/Rural	70.6% Urban 11.2% Suburban 18.2% Rural  Based on Population per sqmi.

**Other Land Use Info:**



**Community Assets:**

List the schools, universities, hospitals, community centers, recreation centers, neighborhood centers, senior centers, assisted living institutions/homes, parks, main businesses, etc. that are in your area.

<p><b>SCHOOLS</b></p> <ul style="list-style-type: none"> <li>• Hackberry Elementary</li> <li>• Little Elementary</li> <li>• Parr Elementary</li> <li>• Thomson Elementary</li> <li>• Warder Elementary</li> <li>• Weber Elementary</li> <li>• Pomona High School</li> </ul>	<p><b>RETIREMENT / CARE FACILITIES</b></p> <ul style="list-style-type: none"> <li>• Brookdale Arvada (w/Memory Care Unit)</li> <li>• Wildflower Assisted Living</li> <li>• Brookhouse Assisted Living</li> </ul>
<p><b>CHURCHES</b></p> <ul style="list-style-type: none"> <li>• Arvada Baptist Church</li> <li>• Foothills Community Church</li> <li>• King of Kings Lutheran Church</li> <li>• Spirit of Christ Catholic Community</li> <li>• St Elias Antiochian Orthodox Church</li> <li>• Trinity Presbyterian</li> </ul>	<p><b>DAYCARES</b></p> <ul style="list-style-type: none"> <li>• Little Peoples Landing Learning Center</li> </ul>
<p><b>APARTMENT COMPLEXES</b></p> <ul style="list-style-type: none"> <li>• Arvada Green</li> <li>• Arbor Point</li> <li>• Arbor Green</li> <li>• Arbor Fairway</li> <li>• Castlegate Apartments</li> <li>• Club Crest Ridge Apartments</li> <li>• Pallmetto Club Apartments</li> <li>• The Ridge at Mountain View</li> <li>• Timber Cove</li> <li>• Westdale Townhouses</li> </ul>	<p><b>COMMERCIAL BIG BOX</b></p> <ul style="list-style-type: none"> <li>❖ Arvada Police Sub Station</li> <li>• Big Lots</li> <li>• Hobby Lobby</li> <li>• Indian Tree Station Arvada Post Office</li> <li>• King Soopers (80<sup>th</sup> and Wads)</li> <li>• King Soopers (80<sup>th</sup> and Sheridan)</li> <li>• Performance Bike</li> <li>• Petco</li> <li>• Safeway</li> <li>• Sprouts Farmer’s Market</li> <li>• Target</li> <li>• 24 Hour Fitness</li> </ul>

**PARKS**

- Indian Tree Golf Course
- Lake Arbor Golf Course
  
- Arvada Volunteer Firefighter
- Club Crest North
- Far Horizons
- Lake Arbor
- Little Dry Creek
- Hackberry
- Hillside Park
- Nottingham
- Rainbow Park #2
- Rainbow Park #3
- Trailside
- Westlake
- Westree
- Woodrun

**WATER**

- Course Pond
- Lake Arbor
- Lake Arbor Pond
- Pomona Lake/The Pond
- Pomona Lake #2
  
- Indian Tree Golf Course Ponds
- Lake Arbor Golf Course Ponds
  
- Arbor Fairway Pool
- Arbor Point Condos Pool
- Arvada Green Pool
- Arvada Green #2 Pool
- Castlegate Pool – Main Office
- Castlegate Pool #2
- Club Crest Ridge Pool
- Lake Arbor Recreation Center Pool
- Lake Arbor Fairways Pool
- George J. Meyers Pool
- Meadowglen Homeowners Associates Pool
- Palmetto Club Pool
- The Pond Pool
- The Ridge at Mountain View Pool
- Westdale Pool
- Wood Run Homeowners Association Pool
- 24 Hour Fitness Pool

## **Potential Community Partners:**

We currently work with all six elementary schools, Arvada Police, and a few of the homeowner associations.

### Homeowners Associations:

- Lake Arbor Homeowners Association
- Meadowglen Homeowners Association
- The Pond Homeowners Association
- Woodrun Homeowners Association

### Personnel:

- APD Commander Thornton (Lake Arbor Community Station)
- School Resource Officers
- Arvada Police Senior Liaison Officer
- Arvada Animal Control
- Councilmember Nancy Ford – Arvada District 1
- Congressman Ed Perlmutter – Colorado District 7
- Firehouse Subs (Has grant opportunities)
- Chick-fil-A (7809 Wadsworth Blvd)

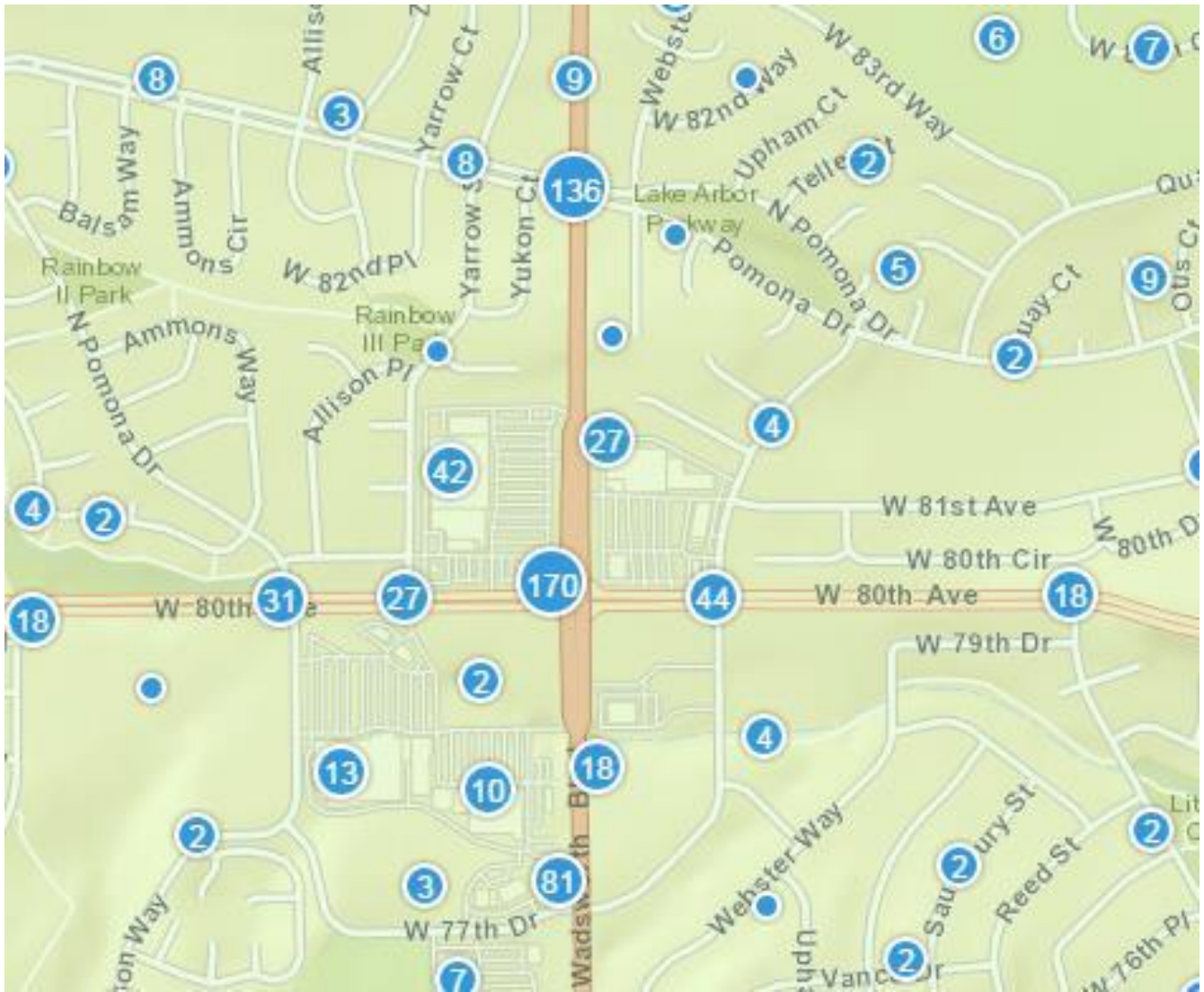
# Community Risks

List and describe your top six risks, numbered in rank order. The description should be about a paragraph long. Include the data, experience, and/or notions that led you to prioritize this risk.

1. Reduce the number of traffic accidents at the following four intersections: Pomona Drive and Wadsworth Blvd; 80 Avenue and Wadsworth Blvd; 77 Drive and Wadsworth Blvd; and 72 Avenue and Wadsworth Blvd. Appendix A map shows the number of accidents at each intersection as recorded by Arvada Police Department. Each intersection is known for a large number of accidents and multiple severe accidents. Goal is to reduce the number of accidents and chance of severe injury to citizens, especially the high number of teenage drivers (Pomona High School), which frequent these intersections, through a plethora of opportunities.
2. Reduce the number of falls at Brookdale Assisted Living facility. Work with the staff of Brookdale to improve the care and response to the residents needs to reduce the number of falls. Goal is to reduce the number of falls within the facility.
3. There are 17 swimming pools (not including private home pools) and several ponds and lakes in Station 5's primary. Currently there is no formalized water/ice safety program. Goal is to develop a program to educate citizens, including children, on water and ice safety and an appropriate citizen response to these emergencies, which will reduce the number of injuries and increase survivability.
4. With the average building being 41 years old and CO detectors becoming popular over a decade ago there are a large number of outdated smoke and CO detectors in the Station 5 district. Citizens need to be educated on the need to replace the outdated detectors. The goal would be to develop/utilize a program to educate the citizens on smoke and CO detector replacement, starting with the multi-family residences.
5. Station 5 primary response area has 10 multifamily living complexes. Several years ago a program started for window fall safety after several children in the metro area had fallen out of a second or greater story window. Goal would be to revitalize the window fall safety program and look at acquiring and installing window fall protection. Balcony safety could also be covered as an added bonus during this program.
6. Build a better relationship with Pomona High School. Working with Pomona High School focusing on making a safer school through relationship building and planning. A close relationship with the school's administration will assist in planning for drills, events, games, and rallies. Goal would be to build a better relationship with Pomona High School and attend events as deemed beneficial per the planning process.

## Appendix A

Arvada Police Department (Alpha Division) 2012-2015 Accidents  
Provided by Commander Thornton, Arvada Police Department Lake Arbor  
Community Station.



Most Dangerous Intersections in APD Adam Sector 2015 (Per APD)

- 1) W 72 Av / CSH 121
- 2) W 64 Av / Sheridan Blvd
- 3) W 80 Av / CSH 121
- 4) W 80 Av / Kipling St
- 5) Pomona Dr / CSH 121

# Prevention/Mitigation Strategies

After you have brainstormed strategies using the 5 E's (Enforcement, Engineering, Education, Economic Incentives & Emergency Response), assessed the options and ones to implement, list those strategies below in order of the prioritized risk they address. Then in the space below the Strategy name, briefly describe each strategy.

- 1. Strategy:** Reduce the number of accidents and chance of severe injury to citizens, especially the high number of teenage drivers (Pomona High School), which frequent the following intersections: Pomona Drive and Wadsworth Blvd; 80 Avenue and Wadsworth Blvd; 77 Drive and Wadsworth Blvd; and 72 Avenue and Wadsworth Blvd.

Work with the City and State Highways to add signs "Be Aware – Dangerous Intersection". Similar signs in Omaha, NE have flashing lights that coincide with the intersections lights. Work with Pomona High School personnel to come up with ways to raise awareness for the students and parents about these dangerous intersections.

- 2. Strategy:** Reduce the number of falls within the Brookdale Assisted Living facility. Work with the Brookdale Assisted Living Facility to help educate residents on the need to use available fall protection equipment, and staffs ability to assist when needed. Work with the administration to determine what constitutes an appropriate fire department response.

- 3. Strategy:** Develop a program to educate citizens, including children, on water and ice safety and an appropriate citizen response to emergencies, which will reduce the number of injuries and increase survivability.

Research other water/ice programs throughout the country that could be used in our district. Use a mixture of printed, video, social media, and in-person education to educate the citizens of Station 5's primary on water/ice safety. Determine if required safety signs are posted at each swimming pool. Work with swimming pool owner/management to spread the program.

- 4. Strategy:** Develop a program to educate the citizens on smoke and CO detector replacement.

Utilize the current or further develop a program for smoke and CO alarm replacement at the end of their recommended working life. Use a mixture of printed, video, social media, and in-person education to educate the citizens of Station 5's primary on smoke and CO detectors. Work with homeowner associations and multi-family management to spread the program.

5. **Strategy:** Goal would be to revitalize the window fall safety program and look at acquiring and installing window fall protection. Balcony safety could also be covered as an added bonus during this program.

Revitalize the window fall protection program, specifically for, but not limited to, multi-family buildings. Use a mixture of printed, video, social media, and in-person education to educate the citizens of Station 5's primary on window fall safety. Work with homeowner associations and multi-family management to spread the program. Hope to acquire and install the window fall protection.

6. **Strategy:** Goal would build a better relationship with Pomona High School and attend events as deemed beneficial per the planning process.

Build a better relationship with Pomona High School administration. Participate in the planning of drills, events, games, and rallies. Look for opportunities to pass on safety messages to the staff and students during such events.

# Implementation

## Brief Description of Resource Needs

Below, briefly identify the resources needed to implement each of the selected strategies.

1. **Strategy:** Reduce the number of accidents and chance of severe injury to citizens, especially the high number of teenage drivers (Pomona High School), which frequent the following intersections: Pomona Drive and Wadsworth Blvd; 80 Avenue and Wadsworth Blvd; 77 Drive and Wadsworth Blvd; and 72 Avenue and Wadsworth Blvd.

### Resources Needed:

- School Officials
- City of Arvada
- Arvada Police Department
- Arvada/State Sign Department
- Pomona School Resource Officer
- Signs w/flashing lights

2. **Strategy:** Reduce the number of falls within the Brookdale Assisted Living facility.

### Resources Needed:

- Brookdale managements
- Brookdale Staff
- Printed and video educational resources

3. **Strategy:** Develop a program to educate citizens, including children, on water and ice safety and an appropriate citizen response to emergencies, which will reduce the number of injuries and increase survivability.

### Resources Needed:

- Water/ice safety program
- Printed and video materials
- Social media releases
- In-person education program

4. **Strategy:** Develop a program to educate the citizens on smoke and CO detector replacement.

### Resources Needed:

- Smoke detector and CO replacement program
- Printed and video materials
- Social media releases
- In-person education program



5. **Strategy:** Goal would be to revitalize the window fall safety program and look at acquiring and installing window fall protection. Balcony safety could also be covered as an added bonus during this program.

**Resources Needed:**

- Window fall safety program
- Printed and video materials
- Social media releases
- In-person education program
- Window Fall Safety Equipment (Bars) for installation

6. **Strategy:** Goal would build a better relationship with Pomona High School and attend events as deemed beneficial per the planning process.

**Resources Needed:**

- Pomona High School Administration
- Printed and video materials
- Social media releases
- In-person education program

## Staff Skills Needed and Proposed Personnel

Identify the tasks required for these strategies. Think about the skills necessary to complete each task and who is best suited to execute each task. Identify the position and name of the individual that will be asked to complete that task and provide their contact information.

Common Task Areas	Name/Position/Organization	Contact Number/Email
Program manager		
Marketing/Communications -data collection forms, educational materials, marking flyers, posters, surveys etc		
Website/Facebook development and maintenance		
Training		
Public Spokesperson for program		
Presenters/Educators		
School Liaison		
Business Liaison		
Home Visit Staff		
Identification and purchasing of necessary supplies		
Inventory & distribution control		
Quality assurance		
Data collection, storage of data		
Monitoring and reporting of data and progress; and evaluation		

# Monitoring and Evaluation

## Lessons Learned

Can be tracked while implementing and/or solicited from participants after completion of program. Find out what worked and what didn't, and what you would do differently next time.

You can try to track on the tables below or create your own separate tables or documents for this work.

Process	What works

Process	What does work	How did you resolve it?	What would you do differently next time?

## Process Measures

Progress can be tracked daily, weekly or monthly. Identify a few measures that you can regularly collect such as: Number of homes visited, Number of alarms installed, Number of presentations made, Number of classrooms instructed, Number of referrals made, etc. In the table below identify what you will measure, where you will get the data from, how frequently you will collect the data, and what your goals is for a particular time frame.

Your Process Measures	Source	Frequency of Collection	Goal

On a regular basis you will want to be able to monitor activity with something like this:

Date: \_\_\_\_\_

Process Measures	Where you are now	Goal (or where you wanted to be at this time)	% of Goal Accomplished

## Outcome Measures

Outcome measures are longer term measures that enable you to ask what is the impact you want these strategies to have and will you be able to show that change. Some of these take years to really be able to assess. So don't be disheartened if you don't see results immediately.

Some Examples:

- Reduction in the incidence of fires, and fire-related deaths/injuries and property loss (for example per 1000 population or compared to average over last 5 years)
- Reduction in calls and/or incidents responded to due to X (such as elderly falls, poisonings, etc)
- Increase in the proportion of homes who still have functioning alarms after a 6- month or 1 year follow up visit or call.

Your Outcome Measures	Source	What exactly you will measure

The table below is what you would want to be able to report at the end of the effort. Again this should be prepared in a separate document, but it is important to know what you are going for at the very beginning.

Outcome Measure	Goal	Outcome	Goal Accomplished?	Limitations