

REGIONAL RESCUE PROGRAM



2011 Regional Board Presentation

PROGRAM OVERVIEW

- ▶ Initiated to address auto extrication needs of the region
- ▶ Provided equipment and initial training

- ▶ The program has since expanded to provide:
 - Hazardous Materials Response
 - Marine Rescue
 - Ice Rescue
 - Swift Water Rescue
 - Confined Space Rescue
 - Technical High Angle Rope Rescue
 - Regional Bush Truck
 - Fire Dispatch Services
 - Emergency Management

All of these programs have been managed by the Kelowna Fire Department, since their inception

AUTO EXTRICATION

- ▶ Provides for the rescue of victims from MVI's
- ▶ Hydraulic Tools, Rams, Saws and other small tools
- ▶ Accredited training including Heavy Rescue
- ▶ Departments participating are:
 - ▶ Peachland Fire/Rescue Service
 - ▶ District of West Kelowna Fire Dept.
 - ▶ North Westside Fire Department
 - ▶ Lake Country Fire Department
 - ▶ Kelowna Fire Department
 - ▶ Joe Rich Fire/Rescue
- ▶ Service provided across the region including Hwy 97C to Elkhart Rd



AUTO EXTRICATION

Participating Departments provide:

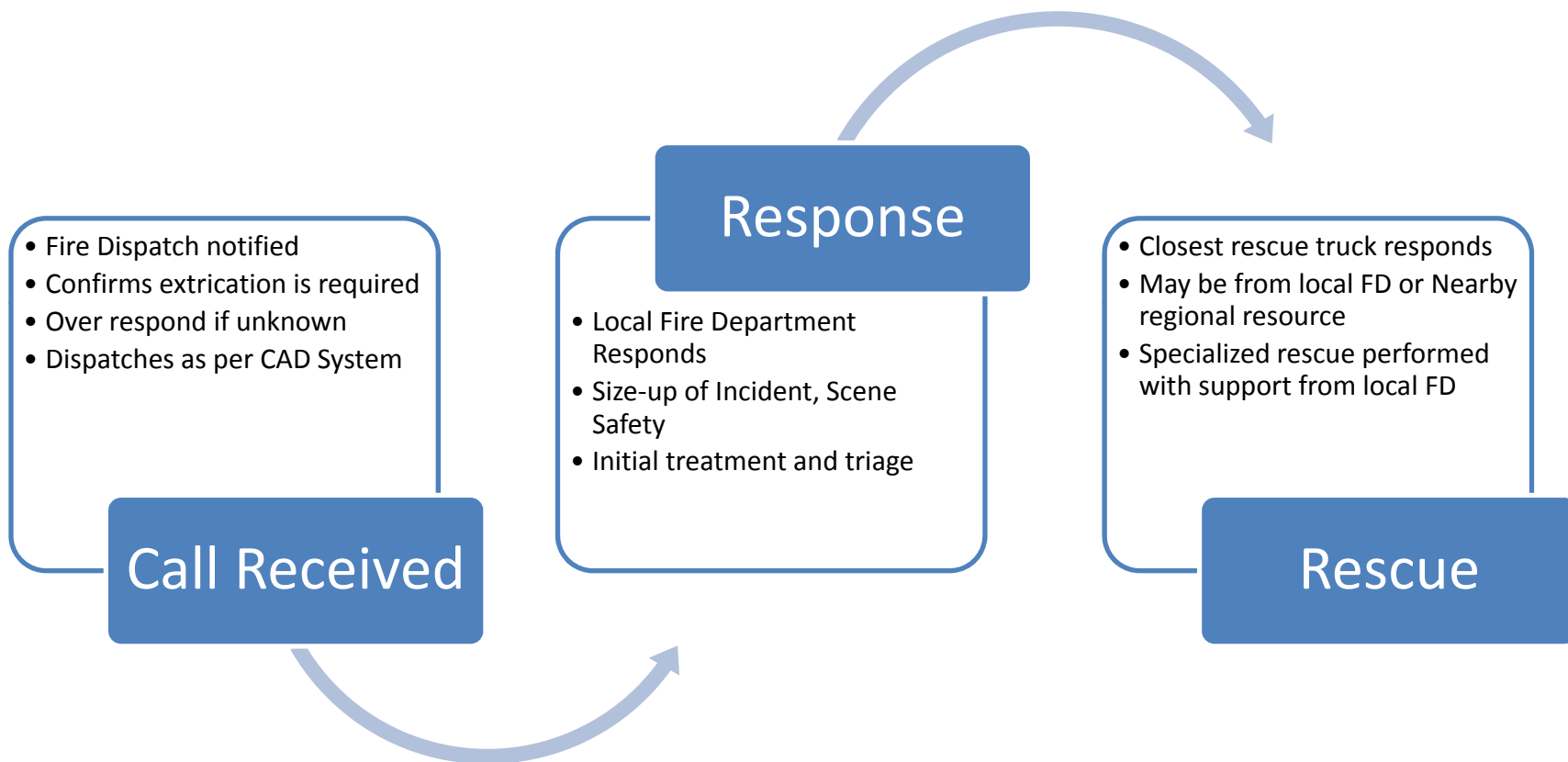
- ▶ A signed Letter of Commitment
- ▶ A minimum of 96hrs of training per year



Costs outside of jurisdiction recovered from PEP

Equipment and replacement of equipment is funded by the Regional Rescue Program

ANATOMY OF AN AUTO-EX CALL

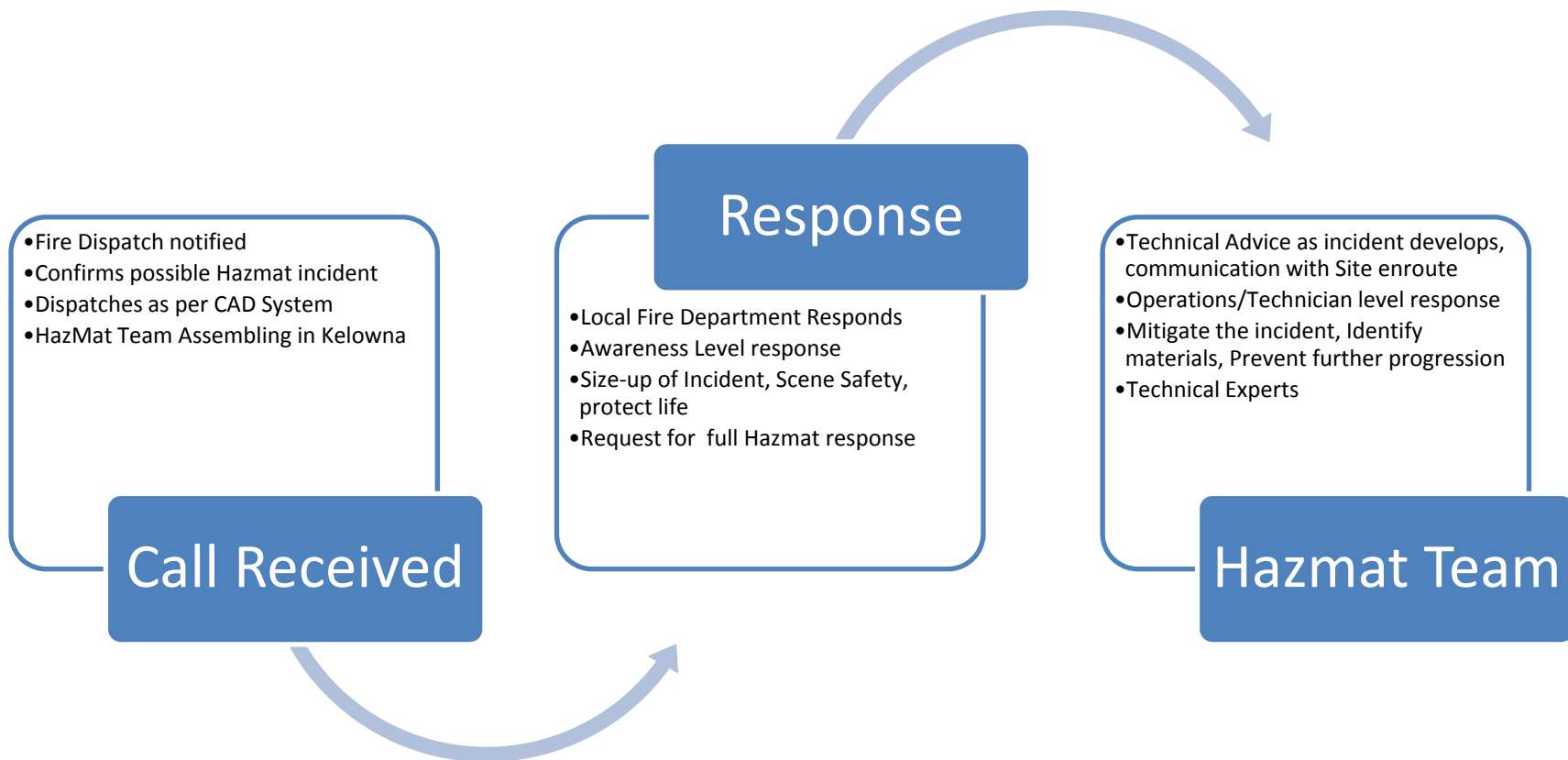


HAZARDOUS MATERIALS RESPONSE

- ▶ Provides an initial Response to CBRN incidents
 - ▶ Chemical, Biological, Radiological, Nuclear
- ▶ Delivered by the Kelowna Fire Department
- ▶ Supported by response from Local Departments (Awareness)
- ▶ 4 teams consisting of 6 members (24 total)
- ▶ Trained to Technician Level
- ▶ 24/7 coverage
- ▶ Hazmat Truck stationed at Fire Hall #3
- ▶ Hazmat Trailer stationed at Fire Hall #1



ANATOMY OF A HAZMAT CALL



ICE RESCUE

- ▶ Rescue of victims who have fallen through or trapped on ice surfaces
- ▶ Above or in water only (no underwater capability)
- ▶ Compliment of on Duty Staff trained to technician level
- ▶ Departments participating are:
 - ▶ District of West Kelowna Fire/Rescue
 - ▶ Lake Country Fire Department
 - ▶ Kelowna Fire Department



ICE RESCUE

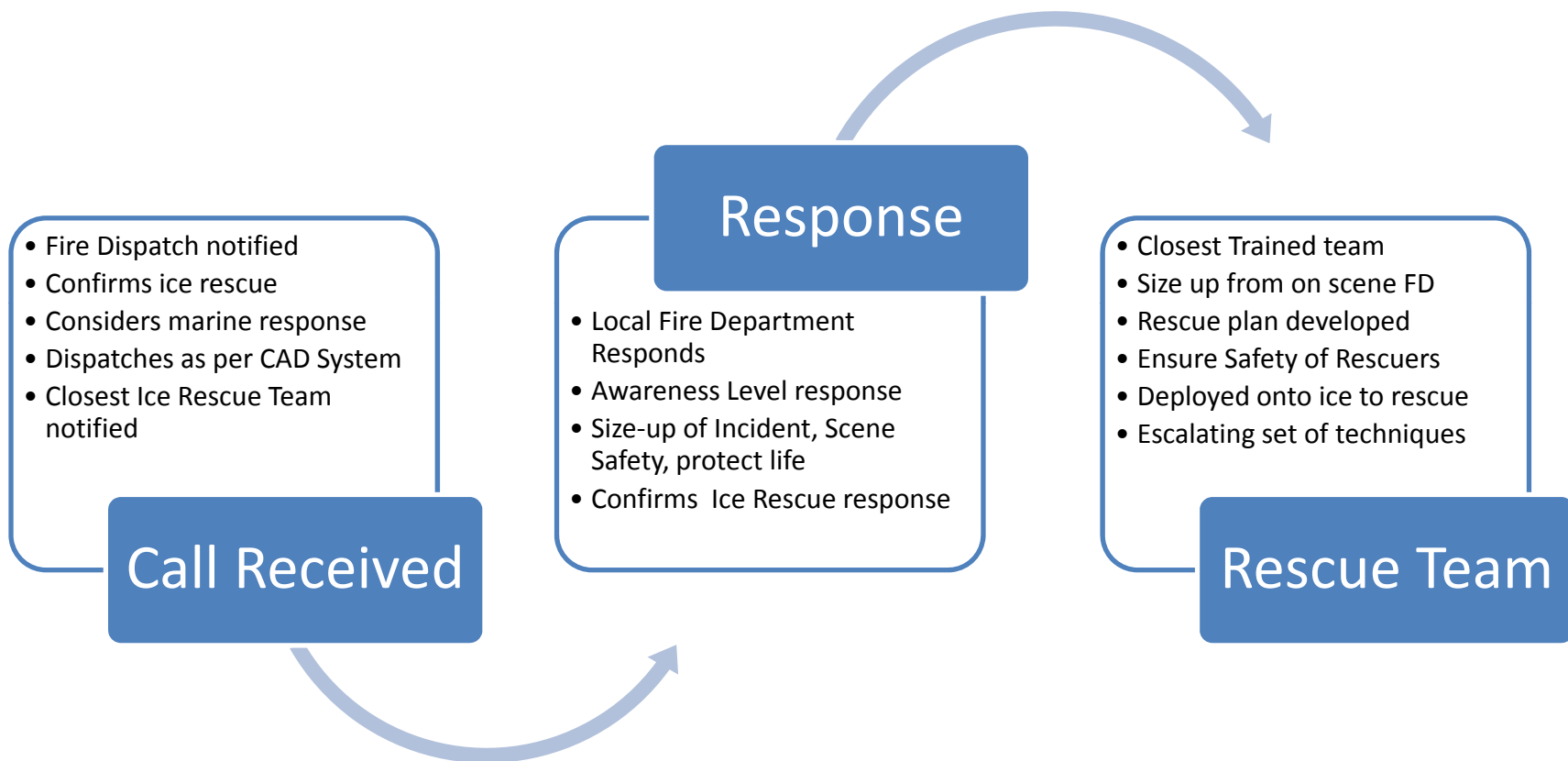
Participating Departments provide:

- ▶ A signed Letter of Commitment
- ▶ A minimum of 96hrs of training per year

Training, equipment and replacement of equipment is funded by the Regional Rescue Program



ANATOMY OF AN ICE RESCUE CALL

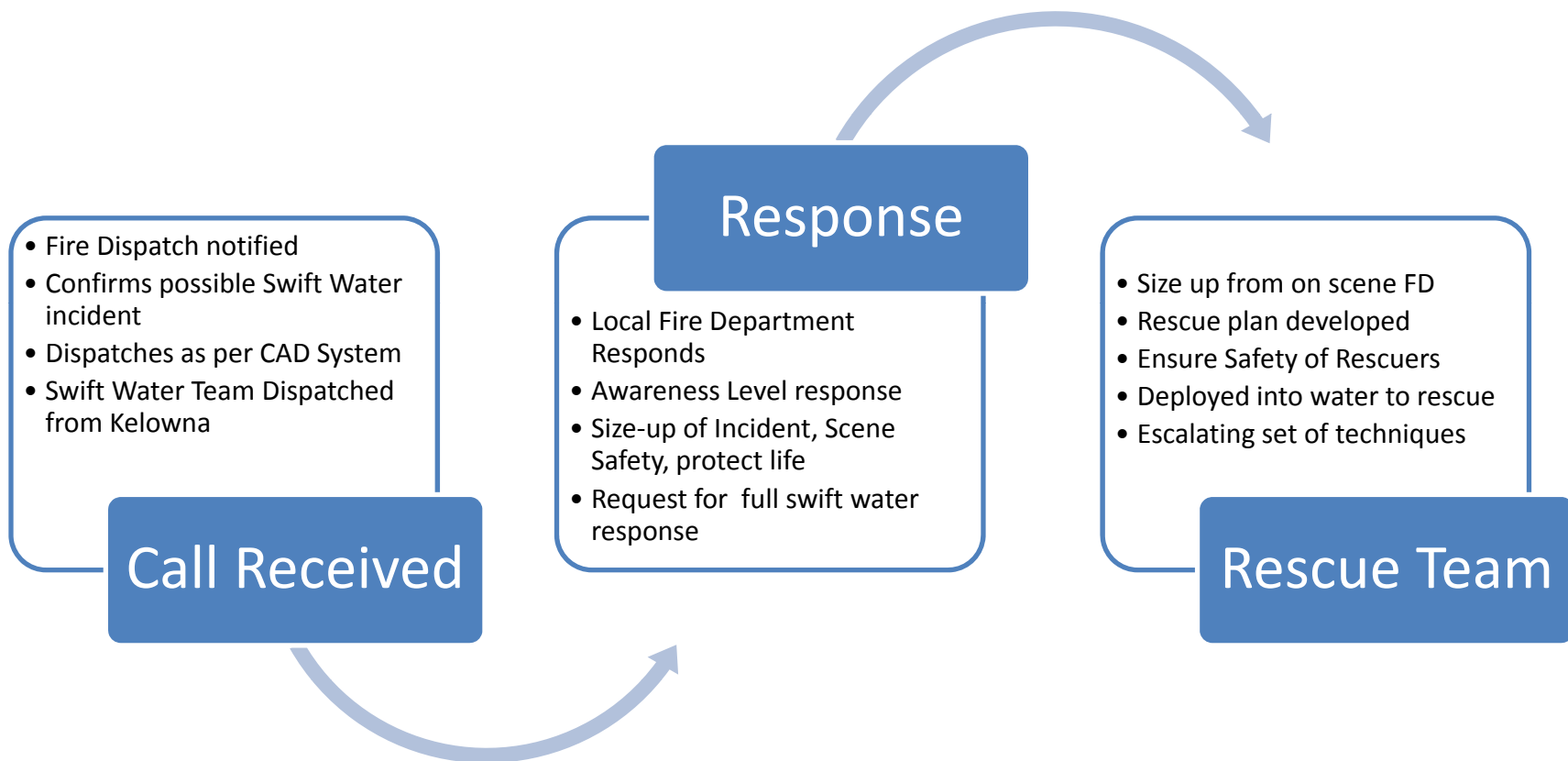


SWIFT WATER RESCUE

- ▶ Search and Rescue of victims in or near moving water
- ▶ Rescuers placed directly into water, high risk activity
- ▶ Delivered by the Kelowna Fire Department
- ▶ 4 Teams consisting of 6 members (24 members)
- ▶ 24/7 coverage based out of Station #1
- ▶ Response across the region



ANATOMY OF A SWIFT WATER CALL

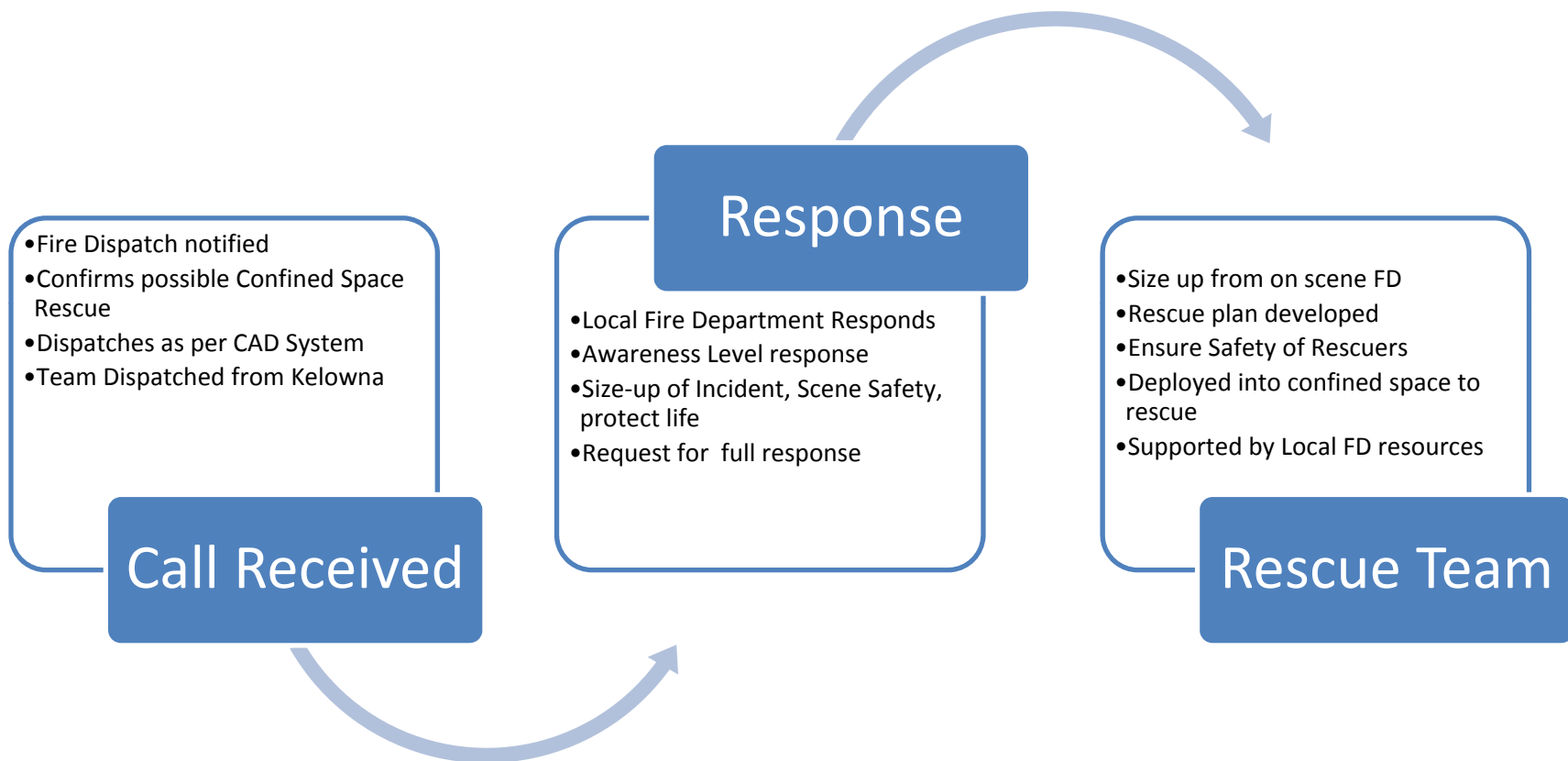


CONFINED SPACE RESCUE

- ▶ Search and Rescue of victims in confined spaces
- ▶ Often highly technical and complex in nature
- ▶ Delivered by the Kelowna Fire Department
- ▶ 4 Teams consisting of 6 members (24 members)
- ▶ 24/7 coverage based out of Station #1
- ▶ Response across the region



ANATOMY OF A CONFINED SPACE CALL



LOW EMBANKMENT RESCUE

- ▶ Access and Rescue of victims from slopes less than 40-45 degrees
- ▶ Employs simple rope systems, mechanical advantage
- ▶ Often in tandem with MVI/Rescue call
- ▶ Basket stretchers to carry patients

- ▶ Departments participating are:
 - ▶ Peachland Fire/Rescue Services
 - ▶ District of West Kelowna Fire/Rescue
 - ▶ North Westside Fire Department
 - ▶ Lake Country Fire Department
 - ▶ Kelowna Fire Department
 - ▶ Joe Rich Fire/Rescue



LOW EMBANKMENT RESCUE

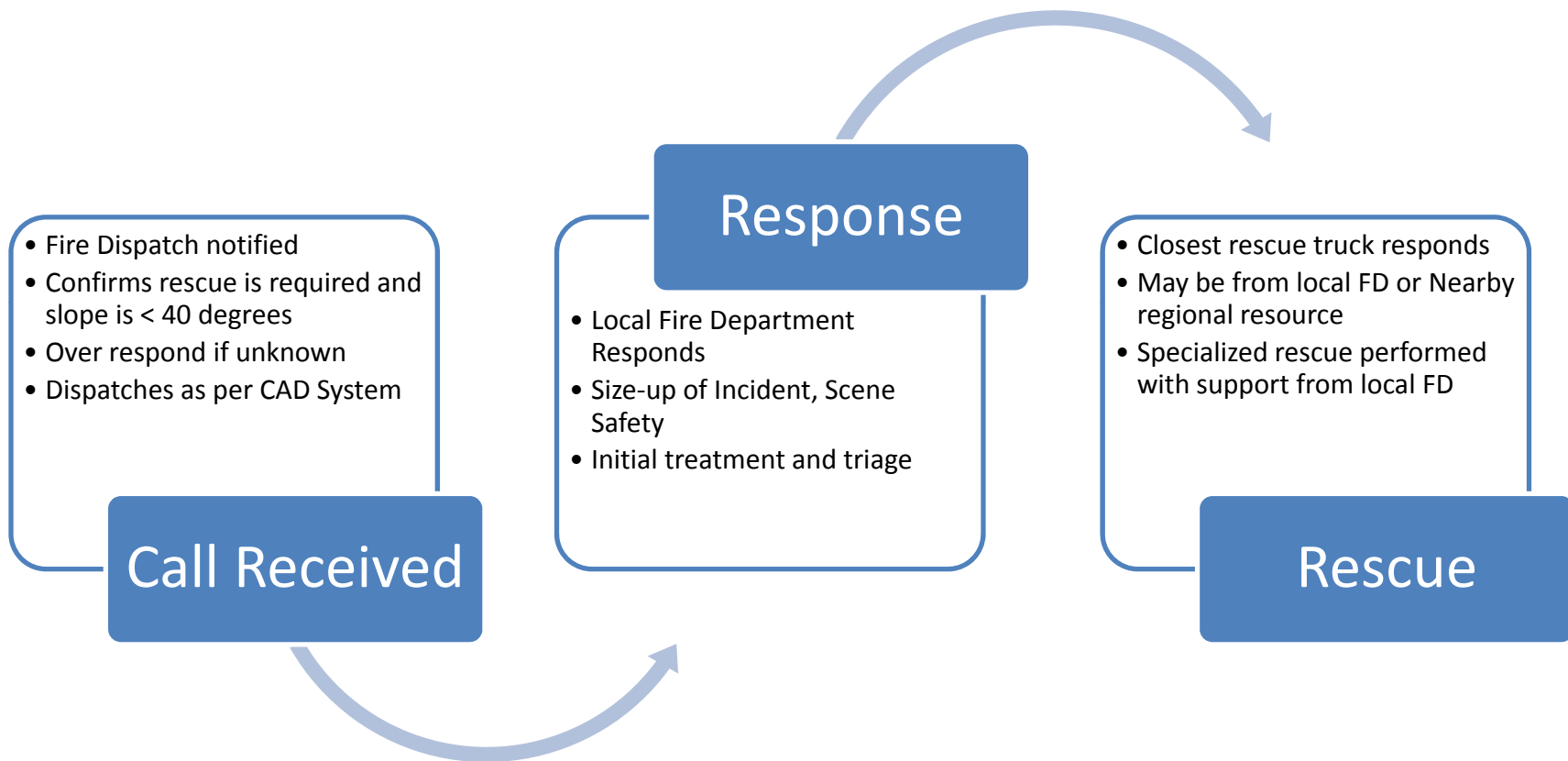
Participating Departments provide:

- ▶ A signed Letter of Commitment
- ▶ A minimum of 96hrs of training per year

Training, equipment and replacement of equipment is funded by the Regional Rescue Program



ANATOMY OF AN LOW ANGLE CALL

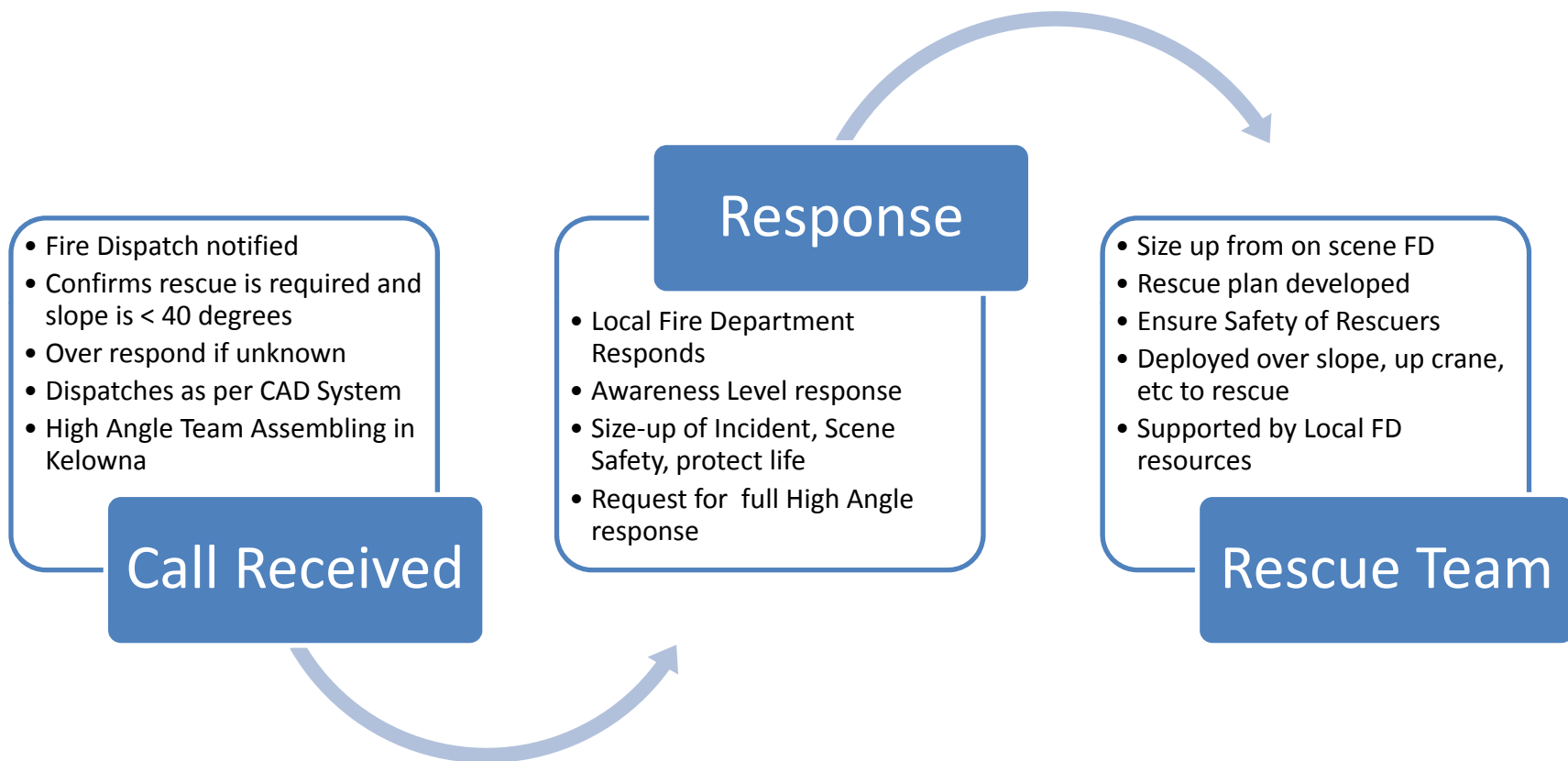


HIGH ANGLE ROPE RESCUE

- ▶ Involves rescue of patients from angles greater than 40-45 degrees
- ▶ Steep slopes, cliffs, buildings, bridges, tower cranes
- ▶ Delivered by the Kelowna Fire Department
- ▶ 4 teams consisting of 6 members (24 members)
- ▶ Certified to Technician Level
- ▶ 24/7 coverage across the region
- ▶ Tower crane inspections as per Worksafe BC



ANATOMY OF A HIGH ANGLE CALL



MARINE RESCUE

- ▶ Rescue of victims from local lakes
 - ▶ Public Safety issues, boaters in distress (emergent situations)
 - ▶ Above or in water only (no underwater capability)
 - ▶ Limited Firefighting capability
 - ▶ Marine Evacuation
-
- ▶ Departments participating are:
 - ▶ Peachland Fire/Rescue (MR21)
 - ▶ Lake Country Fire Department (MR91)
 - ▶ Kelowna Fire Department (MR2)



REGIONAL RESCUE

Participating Departments provide:

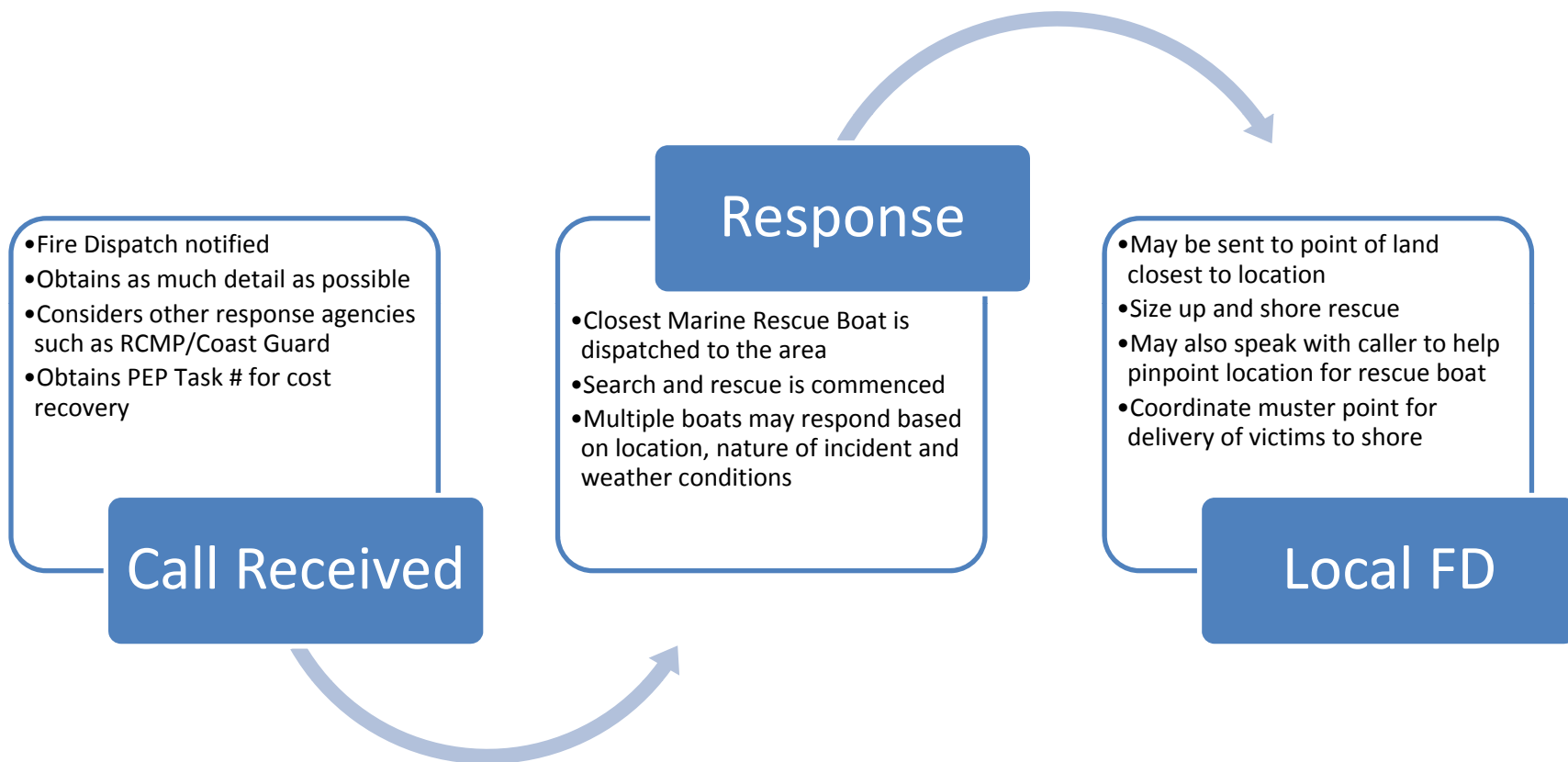
- ▶ A signed Letter of Commitment
- ▶ A minimum of 96hrs of training per year

Training, equipment and replacement of equipment is funded by the Regional Rescue Program

Response costs recovered from PEP



ANATOMY OF A MARINE RESCUE CALL



OTHER SERVICES

- ▶ Regional Bush Truck
 - ▶ Surplus equipment from RDCO
 - ▶ Staffed and maintained by KFD
 - ▶ Stored at Fire Station #3
 - ▶ Available to all fire departments in the region when requested for training/emergencies
- ▶ Regional Operating Guidelines
 - ▶ Development and Maintenance of Standard Operating Guidelines of a regional nature applicable to all departments

REGIONAL RESCUE BUDGET 2011

- ▶ Equipment: \$25,000 - small equipment purchases (Ice Rescue, Auto X, Marine, Hazmat, Technical Rescue, Emergency Program)
- ▶ Equipment Repair and Maintenance: \$15,000
- ▶ Vehicle Operations - Fuel, Insurance, Maintenance: \$29,000
- ▶ Auto Wrecks - towing of vehicles for Auto X: \$4,500
- ▶ Responses: \$75,000 - Response recovery costs for all Regional Rescue calls (tops up amount not recovered from PEP)
- ▶ Administration Fee \$128,149 - Administration of Emergency Program, Regional Rescue Program, administration support for PEP, EOC, ESS, IS, 24/7 EPC & Deputy EPC

2011 TRAINING BUDGET

Kelowna: \$209,417

4 hazmat teams 6 training days each

4 Technical Rescue Teams 7 training days training

4 Ice Rescue Teams 1 training day

4 Marine Rescue Teams 2 training days

Lake Country: \$10,000 (Ice Rescue training)

West Kelowna: \$10,000 (Ice Rescue training)

Peachland: \$5,000 (Marine Rescue training)

Other CORD training: \$20,000

Auto Extrication

Low Angle Rope Rescue (Awareness),

Marine Rescue and Licensing

Ice Rescue

Hazmat Awareness



CAPITAL BUDGET

- ▶ 10 Yr Capital Plan - created in 2010 to plan for vehicle replacement and capital equipment purchases.

- ▶ 2011 Capital Equipment:
 - JEPP Grant Hazmat Chemical Detection Unit
 - JEPP Grant Hazmat Decon Tent
 - Lake Country Rope Replacement

- ▶ 2012 Capital Vehicles
 - Peachland MR 21 Replacement \$200,000

REGIONAL FIRE DISPATCH

- ▶ Provided for the entire RDCO by KFD
 - ▶ Dispatch operation is 100% owned and administered by KFD
 - ▶ After hours, EPC, ESS and other agencies dispatched
 - ▶ Standards based - NFPA 1221
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- ▶ 9-1-1 call answering standard
 - ▶ 95% in 15 seconds/99% in 40 seconds
 - ▶ Call processing standard
 - ▶ 95% within 35 seconds
 - ▶ Dispatching standard
 - ▶ 90% within 60 seconds
 - ▶ Call volume up 4.6% over 2009
 - ▶ 19,124 calls total



2011 DISPATCH BUDGET

- ▶ Staff Costs \$709,000
 - ▶ Overtime to maintain minimum manning + \$20,000
- ▶ Repairs to Radio Systems \$15,000
- ▶ Administration Fees \$111,500
 - ▶ Management and Supervision
 - ▶ Facility and Operating Costs
 - ▶ Computer Systems




REGIONAL RADIO SYSTEM

- ▶ 100% Owned by RDCO
- ▶ Administered by KFD
- ▶ State of the Art
- ▶ 5 mountaintop sites - leased
- ▶ Replacement Cost is \$450,000
- ▶ Yearly service contract - \$40,000
- ▶ KFD added new Building/Antenna
- ▶ Interoperability Pilot in 2011



REGIONAL EMERGENCY PROGRAM

- ▶ Funded by RDCO
 - ▶ 5 partner local governments
 - ▶ Mandated by the province
 - ▶ Delegated to the region
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- ▶ KFD is designated (bylaw) to administer
 - ▶ Activated upon request of any of the partners
 - ▶ Supports Major Incident responses (non-routine)



REGIONAL EMERGENCY PROGRAM

- ▶ EOC - almost all costs are recovered as required
 - ▶ Activated 5 times in 2010 + 2 in 2011 to date
 - ▶ 150+ staff from all municipalities
- ▶ Training - \$15,000
 - ▶ Intro to EM/EOC 1 (60 staff)
 - ▶ EOC 2/EOC Essentials (50 staff)
 - ▶ Public Relations Training (6 staff)
- ▶ ESS - \$6,000
 - ▶ 24/7 coverage 1-17,000 people
 - ▶ 100+ volunteers
- ▶ Amateur Radio - \$4,000
 - ▶ 30+ volunteers





Questions?

