



Gwinnett
Fire & Emergency
Services

2020 Business Plan

Presenter: Russell Knick, Fire Chief



Agenda

- Department Overview
 - Who We Are
 - What We Do
- Environment and Challenges
- Budget
 - Decision Packages
 - Summary



Department Overview

Mission

- Saving Lives and Protecting Property

Vision

- Deliver the Highest Quality of Service

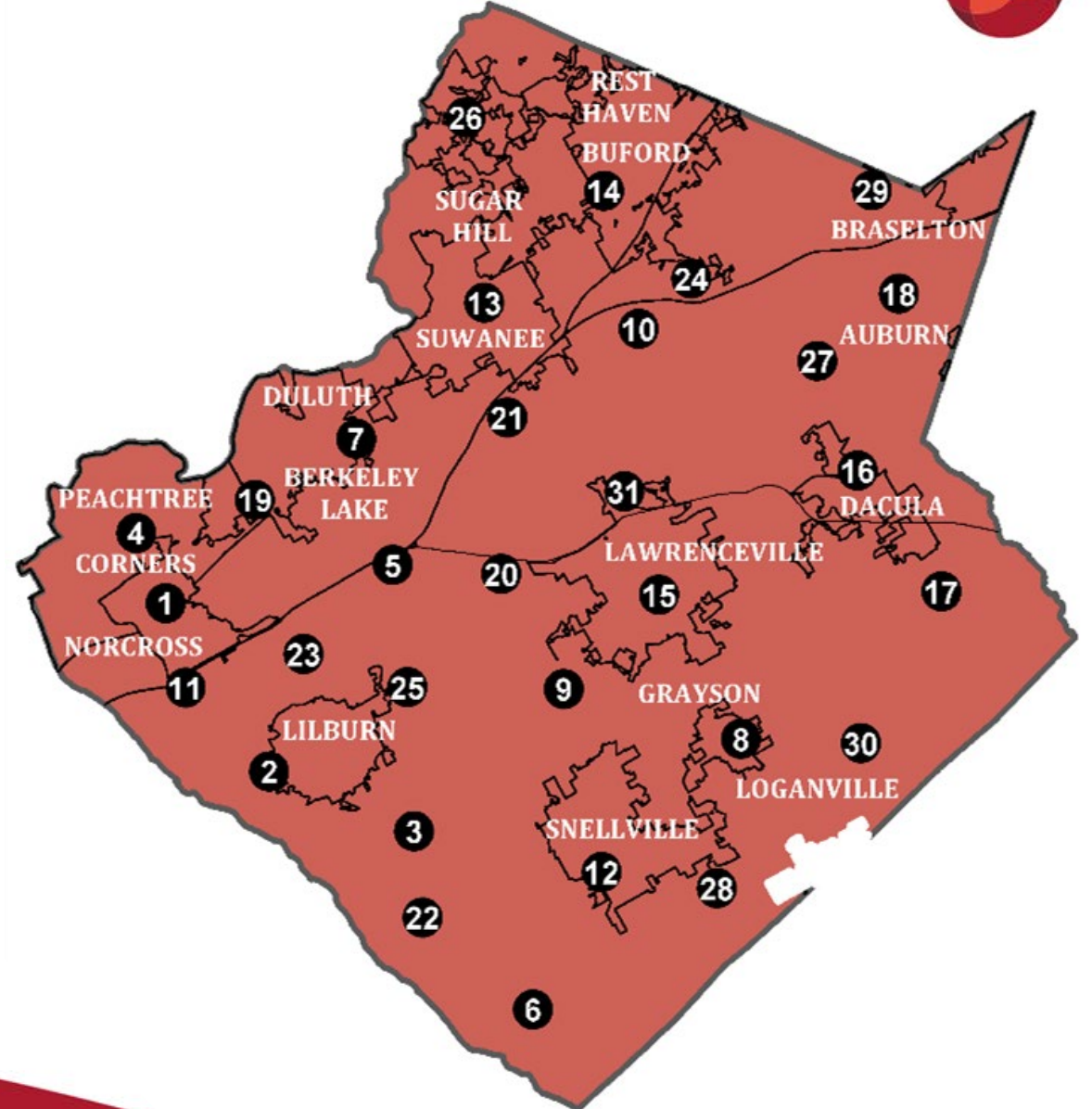
Values

- Truth, Trust, Respect, Unity



Fire Service

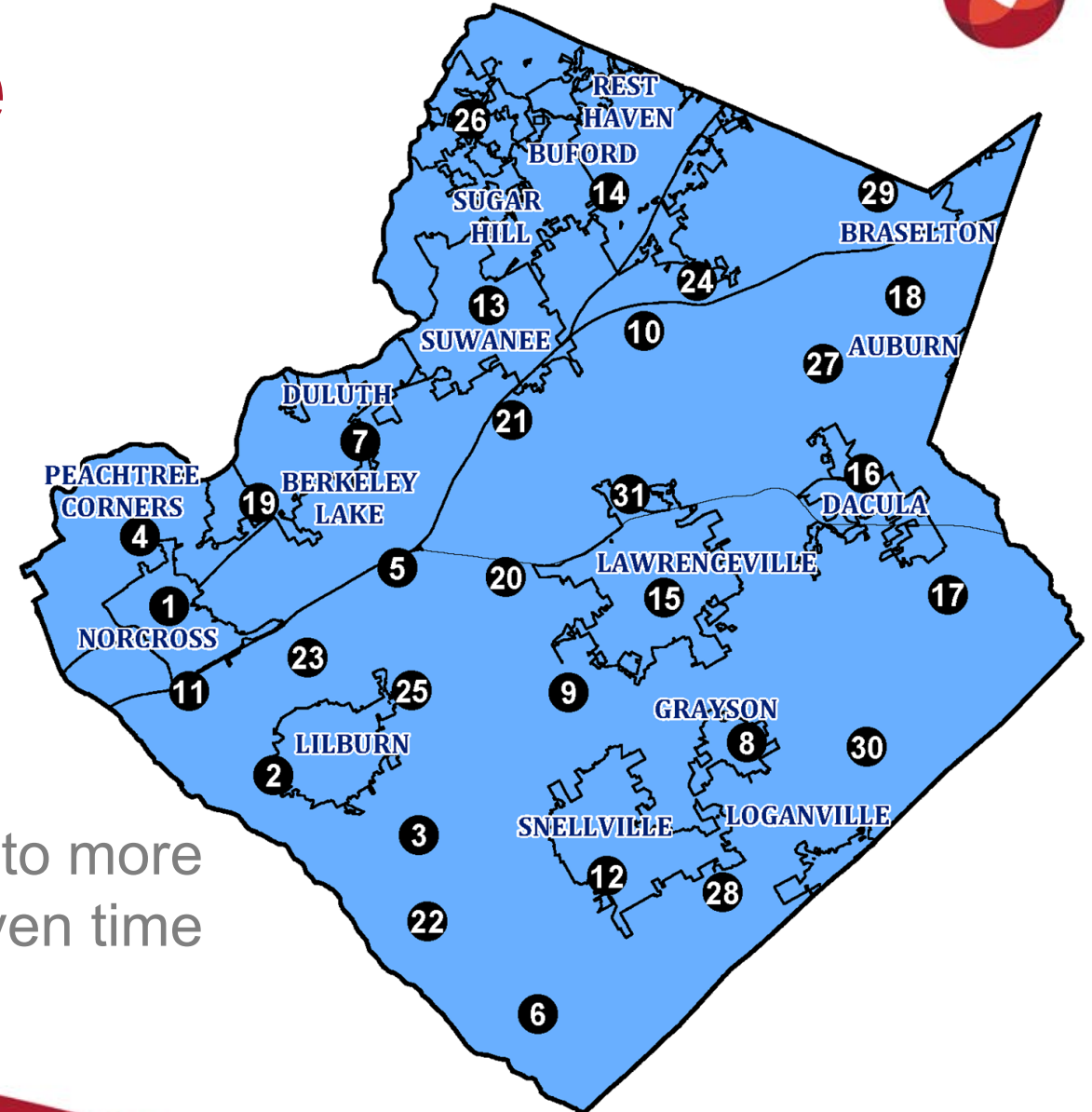
- Fire Suppression
- HazMat Response
- Technical Rescue
- Swift Water Rescue
- Bike Medic
- Mass Casualty Incidents





Medical Service

- Advanced Life Support
- Transport by Medic Unit



Fire and Emergency Services provided to more than 1,000,000 people at any given time



Maintain Gwinnett Standard

- Commission on Fire Accreditation International
- Commission on Accreditation of Allied Health Programs
- Georgia Association of Chiefs of Police
- American Heart Association 2019 Mission: Lifeline Gold EMS Award



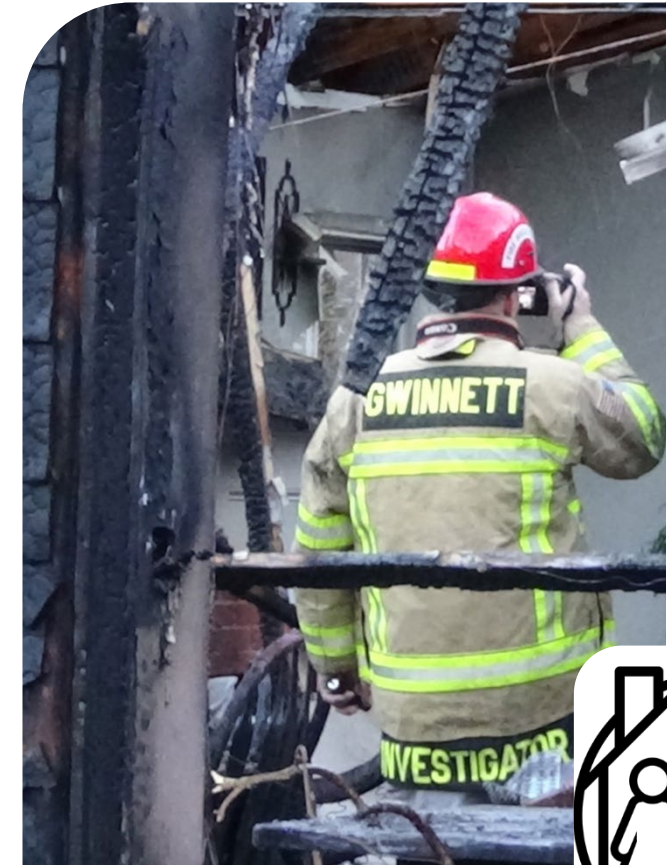


Integrated Prevention and Response





Community Risk Reduction



Prevention and Enforcement



- Annual
 - Educational (Public and Private)
 - Day Care Centers
 - Residential Board & Care Facilities
 - Community Living Arrangements
 - Apartments
 - Hotels/Motels
- New Construction



Fire Education



- Public Education
 - SafeKids Gwinnett
 - SeniorBSafe
 - Home Safety Surveys
 - Smoke Alarm Installations
 - Car Seat Installation and Checks
 - CPR
 - Fire Crew Participation



Fire Investigations

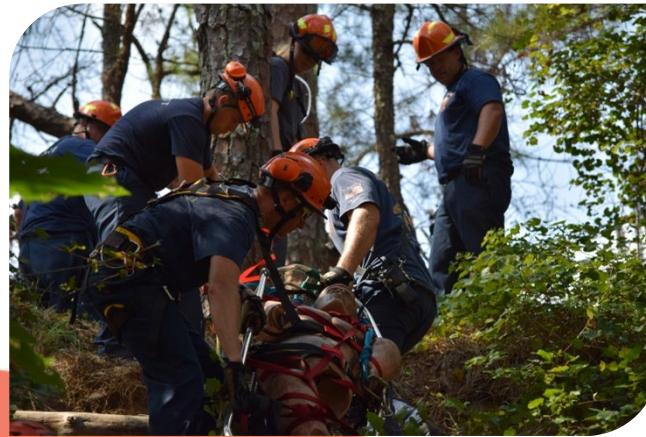


- Connect Prevention and Response
- Identify Trends
- Guide Education to Match Community Needs





Comprehensive Response Model





Fire Performance

Performance Measures		2017	2018	2019*
Fire	Total Response Time	7:43	7:38	7:40
Structure Fires	% Confined to Room of Origin	78.40%	77.73%	77.71%
	% Property Saved	95%	94%	96%
Smoke Alarms	Installed by Operations	3,605	3,025	1,514

*2019 statistics as of July 1, 2019



Emergency Medical Performance

Performance Measures		2017	2018	2019*
EMS	Total Response Time	8:00	7:58	8:00
Chest Pain	Avg. Arrival Time at ER (Minutes)	35	34	34
STEMI	Avg. On Scene Time (Minutes)	12	12	11
Major Trauma	Off the Scene in <10 Minutes	78%	77%	74%
CARES	Cardiac – Lives Saved	41	63	TBD

*2019 statistics as of July 1, 2019



Service Demands

Incidents	2017	2018	2019*	Difference (+/- %)
Total	79,651	83,170	83,942	↑ 5.4%
Fire	4,586	4,121	4,584	↔ 0.0%
Medical	59,768	62,743	63,080	↑ 5.5%
Transports	37,791	39,566	40,556	↑ 7.3%
Inspections	17,257	17,966	18,732	↑ 8.5%





2018-2019 Projects

- Relocated Fire Station 15
- Deployed Medic 27 and Medic 30
- Deploy Truck 10
- Relocate Station 13





2018 – 2019 Projects

- Attracting Trained Personnel
- Attrition Analysis



Environment and Challenges

- Demand for Services
 - Population Growth
 - Economic Growth
- Staffing
 - Attract Trained Personnel
 - Retain Trained Personnel





Retaining Trained Personnel

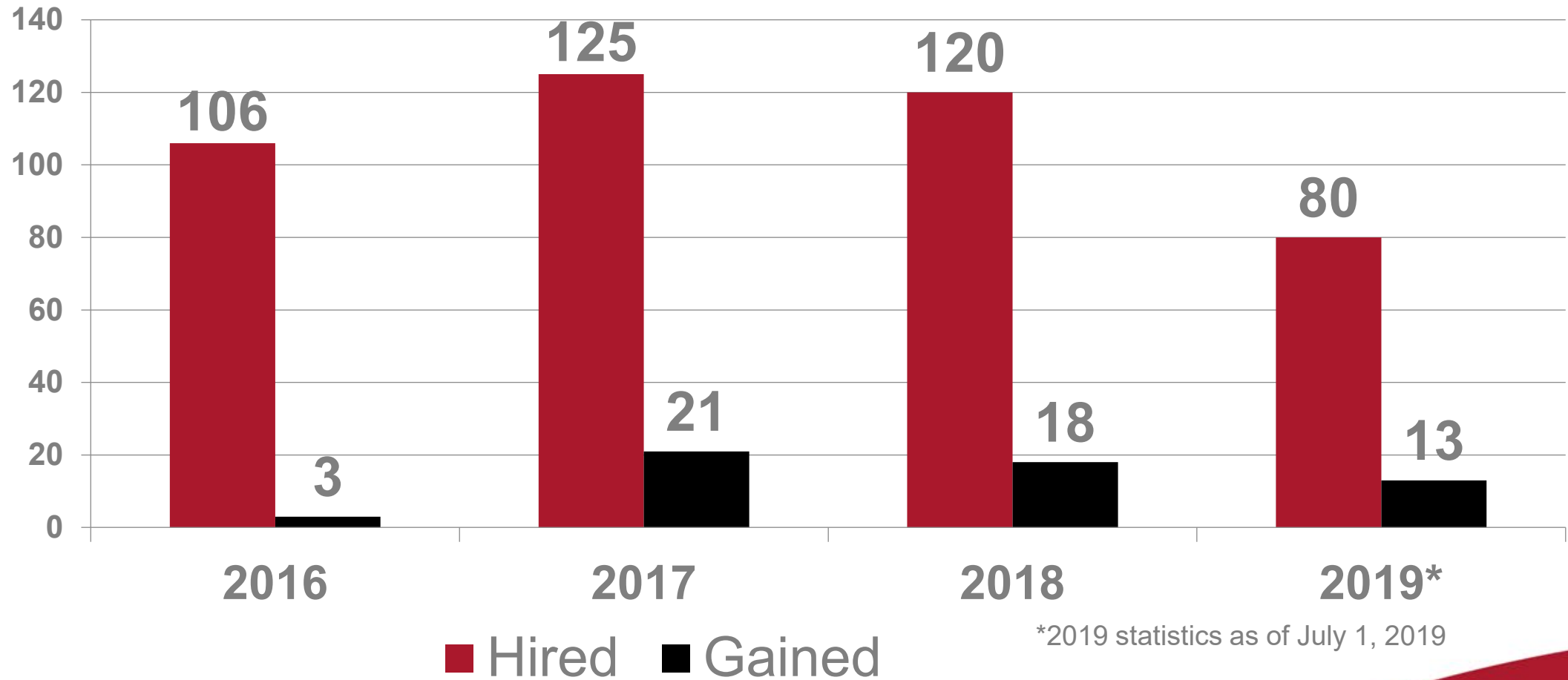
- Cost to Train a Firefighter I/ Paramedic Internally
 - Firefighter I
 - EMT
 - Paramedic

Minimum Cost to Replace Trained Personnel		
Year	Separations	Minimum Cost
2016	56	\$3,052,112
2017	66	\$3,553,204
2018	61	\$3,377,805
2019*	30	\$1,663,528

*2019 data through July 1, 2019

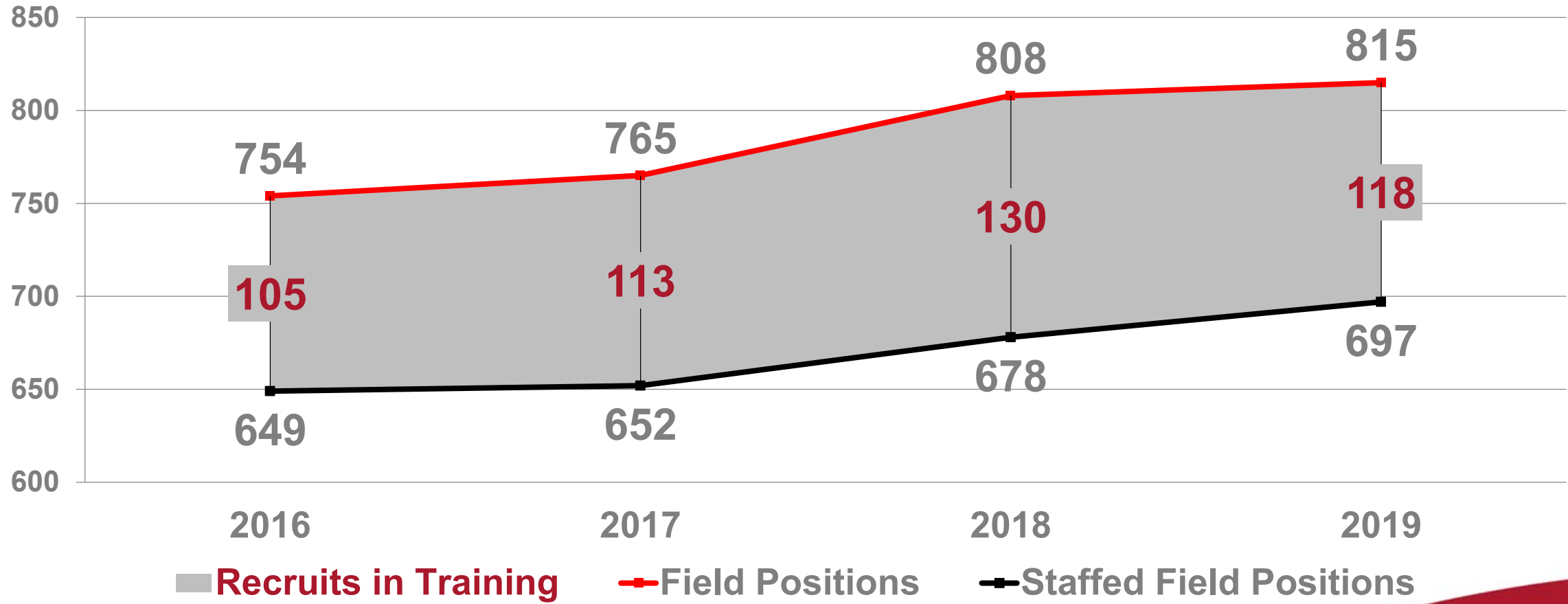


Hiring Impact





Understanding the Gap





Our Future



Attrition Analysis



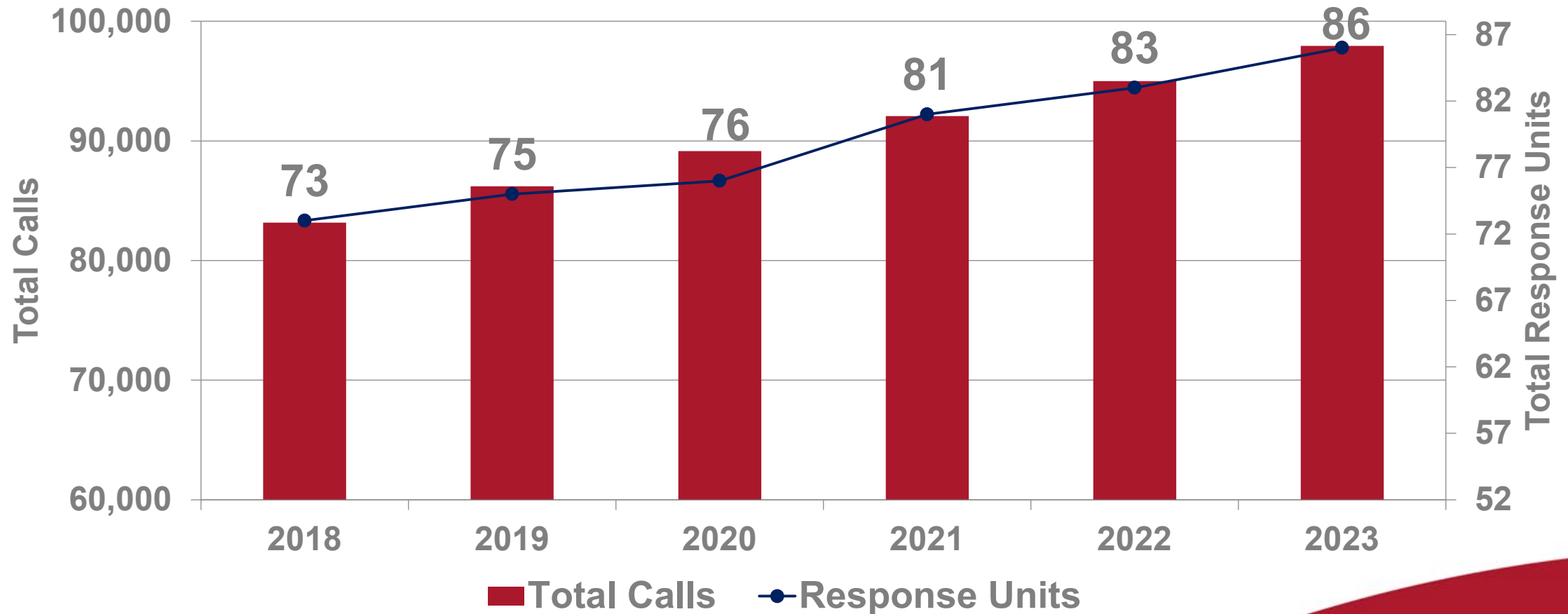
Response Analysis



Prevention 365

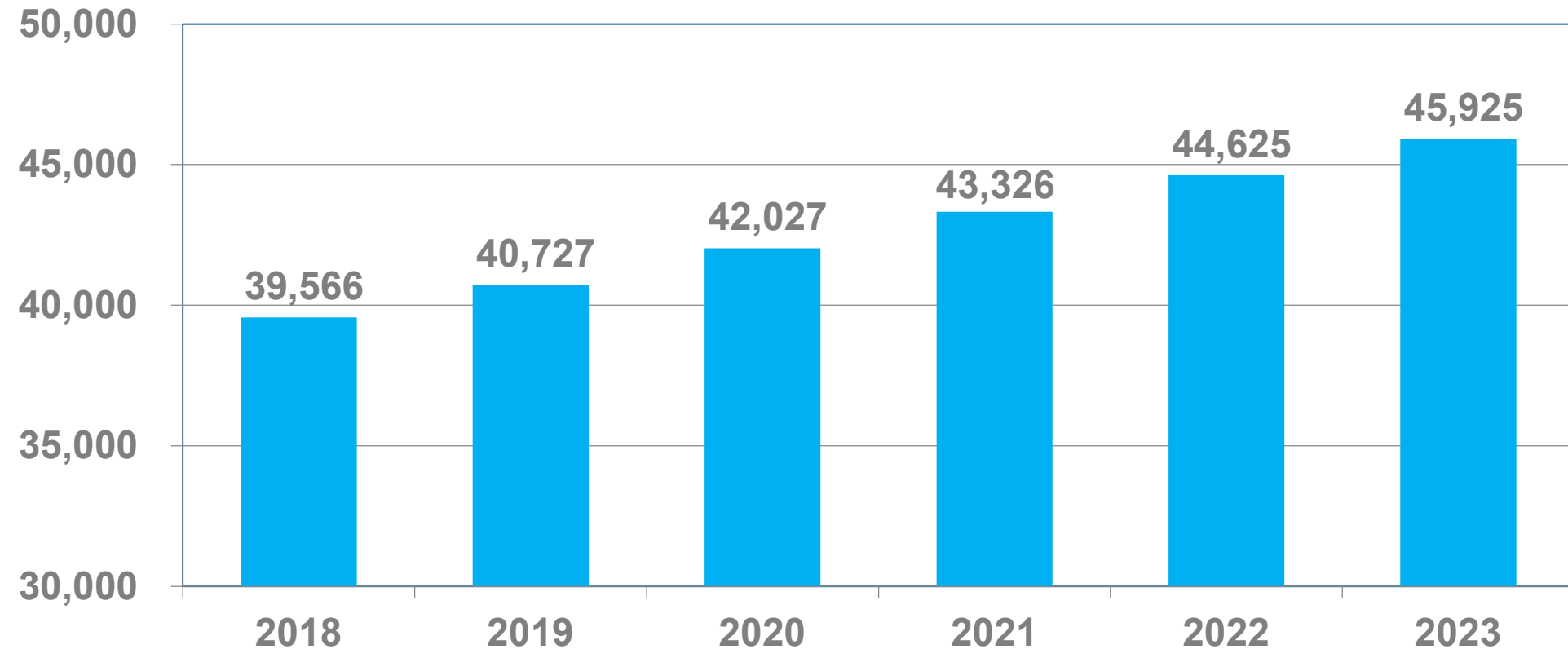


Balancing Resources to Demand





Medical Transports



Decision Package 001



Priority



Safe & Healthy Community



Strategy



Effectively Respond to Threats



Tactic



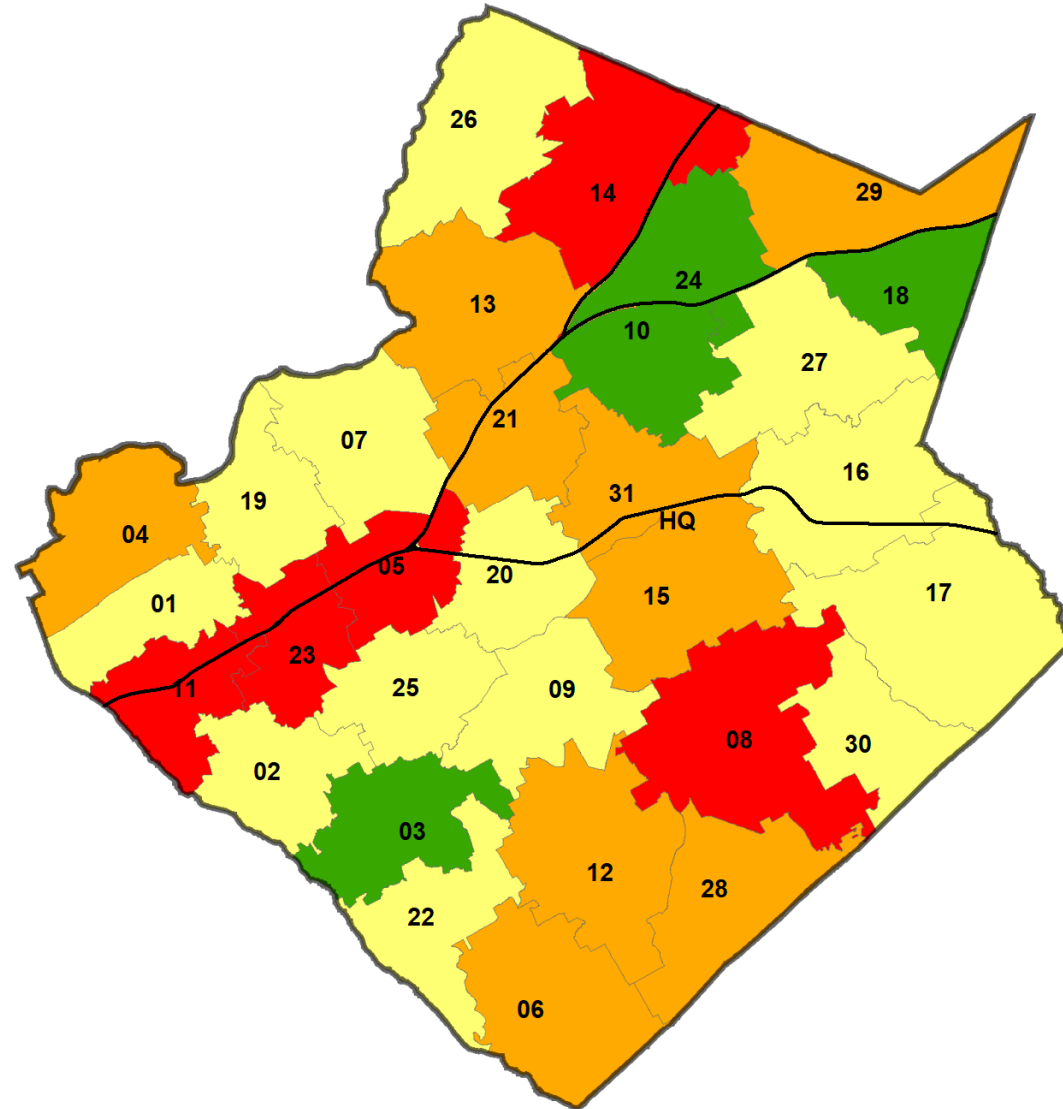
Deploy Crews and Resources for Effective Response



Project or Initiative

Medic Units and Staffing - \$1,950,498

Travel Time and Call Density Overlap



Decision Package 002



Priority



Safe & Healthy Community



Strategy



Effectively Respond to Threats



Tactic



Deploy Crews and Resources for Effective Response



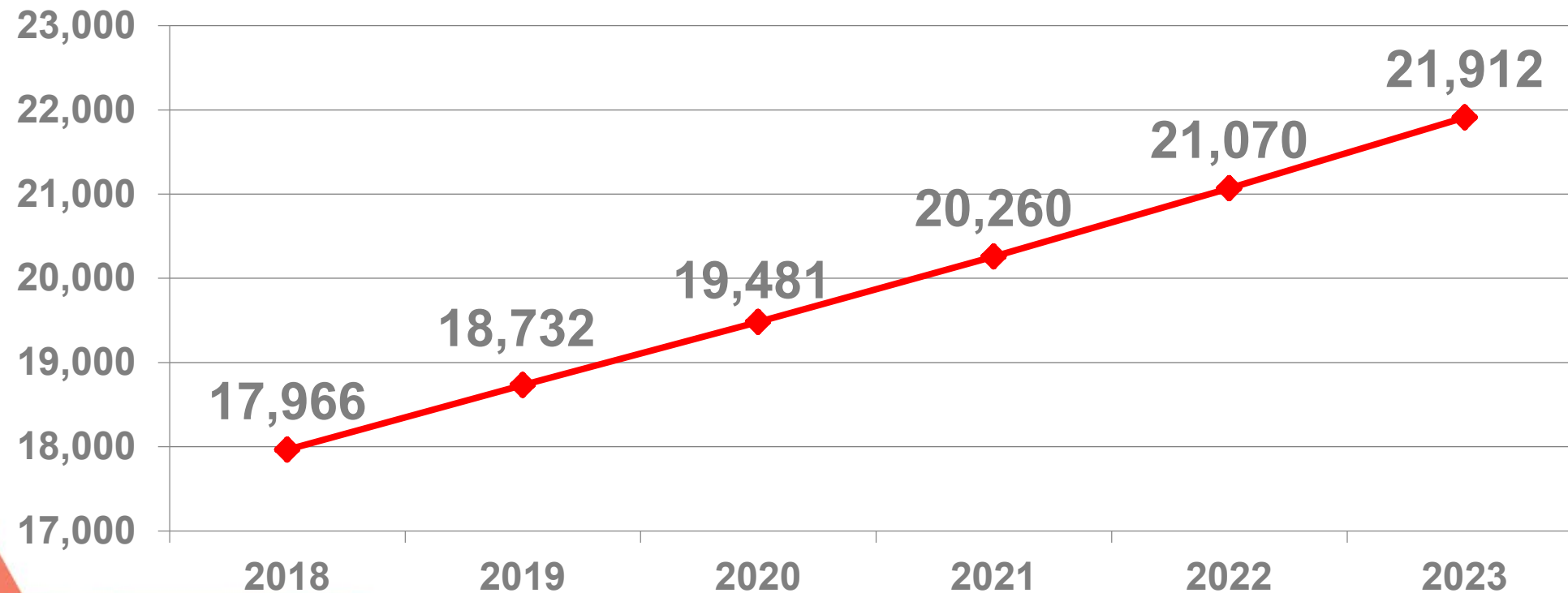
Project or Initiative

Alternative Response Vehicles and Staffing -
\$3,059,238











Prevention and Enforcement

Fire Inspections



Decision Package 003



	Priority		Safe & Healthy Community
			
	Strategy		Limit the community's exposure to risk
			
	Tactic		Enhance programs and resources to reduce risk
			
	Project or Initiative		Fire Inspectors - \$255,879



Firefighter Safety



- Self-Contained Breathing Apparatus
- Critical Equipment
- Respiratory Protection
- Maintenance and Repair



Decision Package 004



Priority



Safe & Healthy Community



Strategy



Effectively Respond to Threats



Tactic



Deploy Crews and Resources for Effective Response



Project or Initiative

SCBA Program Personnel - \$195,535



Proposed Budget

2019 Adopted	Changes to Base	Decision Packages	2020 Proposed
\$117,960,492	\$7,872,669	\$5,461,150	\$131,294,311

Questions?

