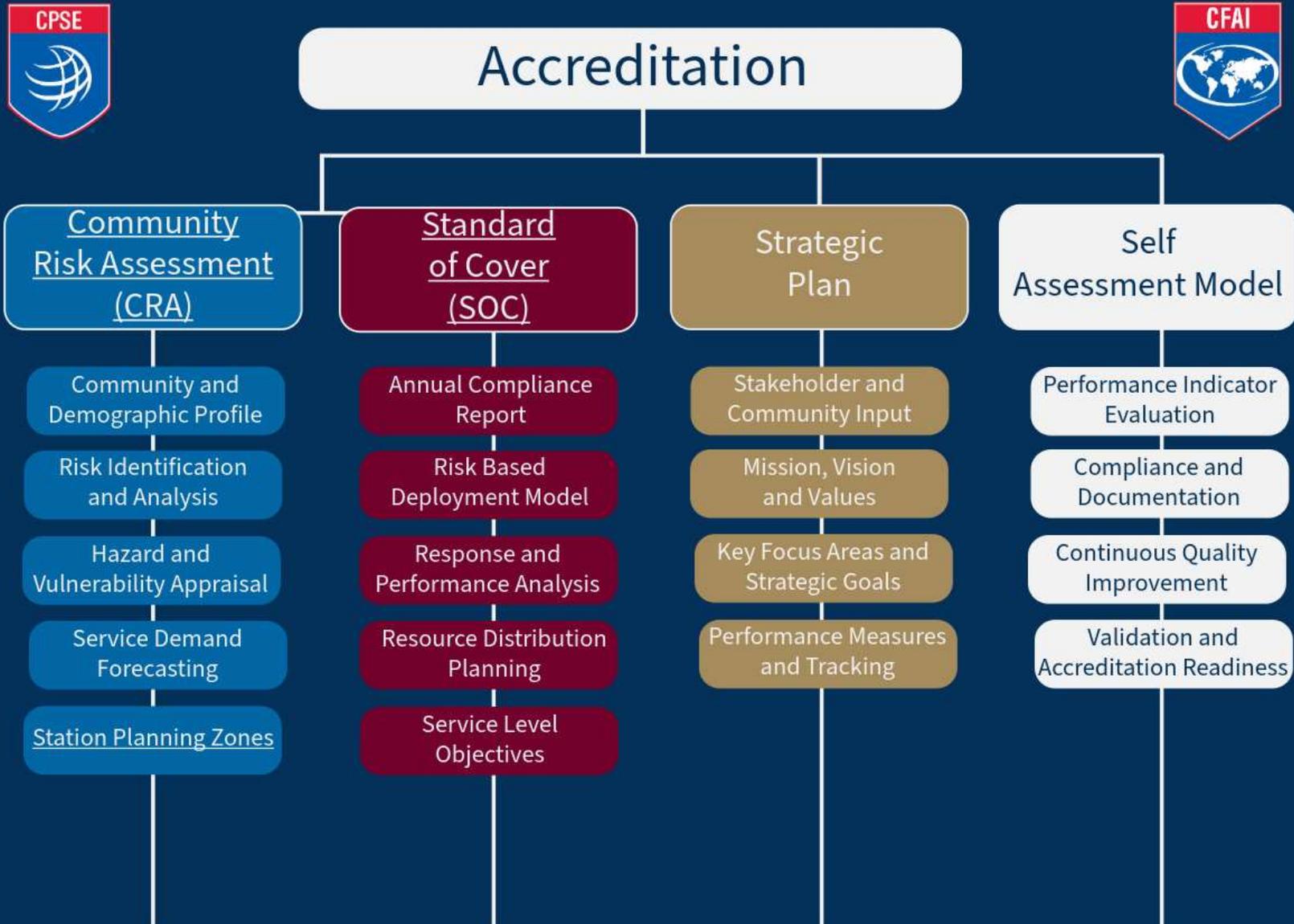




Community Risk Assessment and Standards of Cover

South Metro Fire Rescue

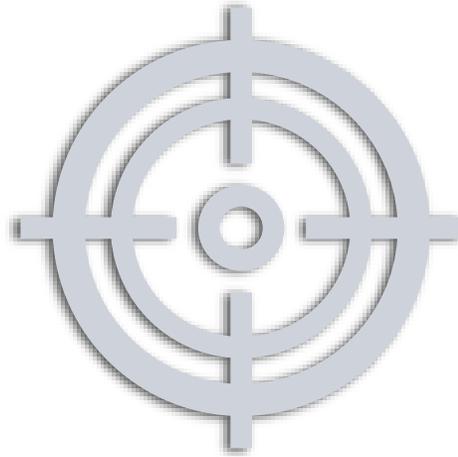
Overview



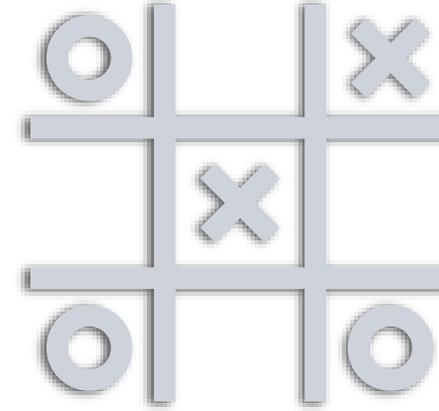
Purpose and Application



Why
the
CRA-SOC
Matters



Who
the
CRA-SOC
Serves



How
the
CRA-SOC
Informs

What's in the CRA



Community Profile and Area Characteristics

- Department Profile
 - History, Finances, Governance
- Call Volume
- Population Growth and Demographics
- Businesses and Economy
- Residential Development Growth
- Critical Infrastructure
- Water supply
- Weather and Climate

Risk Assessment

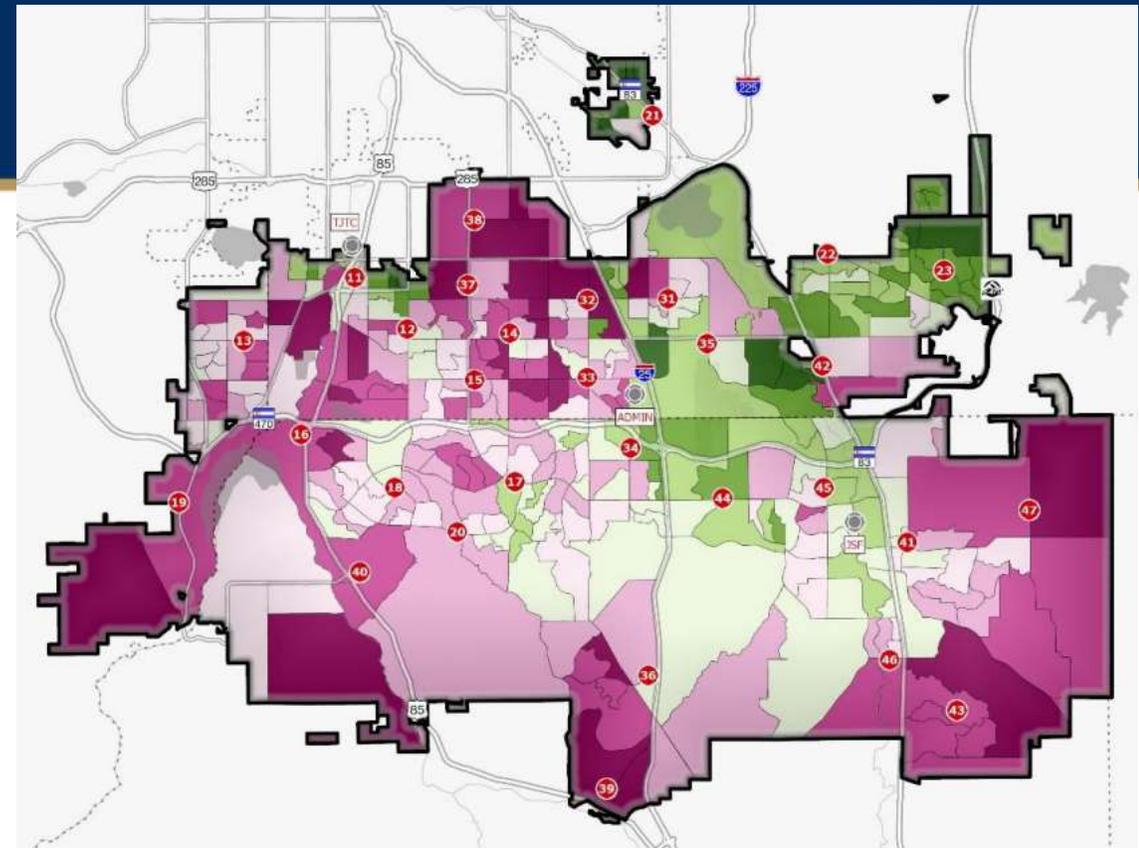
- Methodology (Processes)
- Geographic Planning Zones
- Occupancy Risk Assessment
- Data Reporting Systems

Population and Demographics

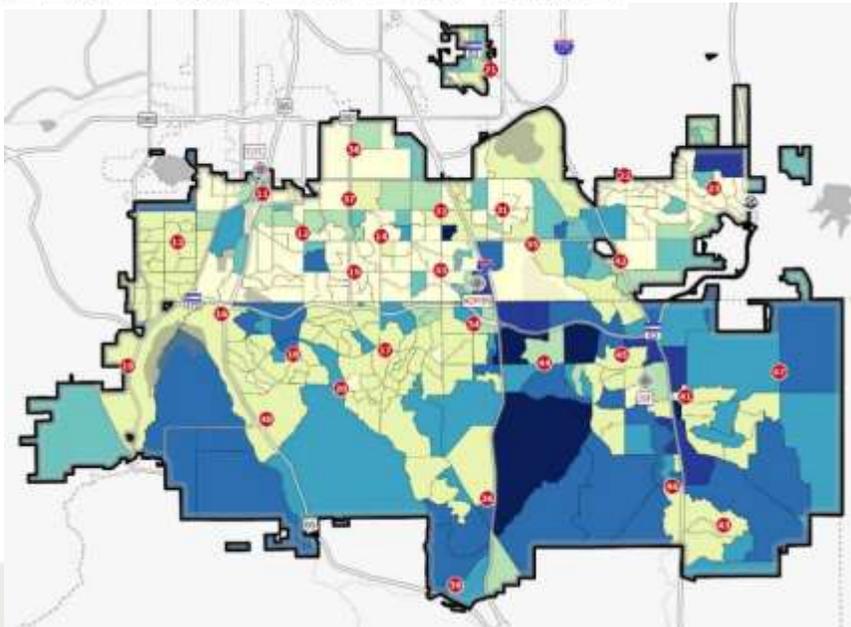
Total Responses 2021-2025

	Alarms	EMS	Fire	Other	Public Assist	Special Ops	TOTAL
2021	4,381	30,301	793	3,209	7,393	270	46,347
In District	4,339	29,423	740	2,742	7,305	263	44,812
Out of District	42	878	53	467	88	7	1,535
2022	4,786	32,659	845	3,574	8,430	322	50,616
In District	4,739	31,920	776	3,085	8,326	318	49,164
Out of District	47	739	69	489	104	4	1,452
2023	4,832	33,672	578	3,197	8,587	295	51,161
In District	4,792	33,017	542	2,809	8,501	287	49,948
Out of District	40	655	36	388	86	8	1,213
2024	5,151	34,238	578	3,422	9,158	279	52,926
In District	5,105	33,564	547	3,044	9,073	272	51,705
Out of District	46	674	31	378	85	7	1,221
2025	5,329	35,135	693	3,102	8,007	260	52,526
In District	5,280	34,532	658	2,744	7,935	252	51,401
Out of District	49	603	35	358	72	8	1,125
Totals	24,479	166,005	3,587	16,505	41,575	1,426	253,577

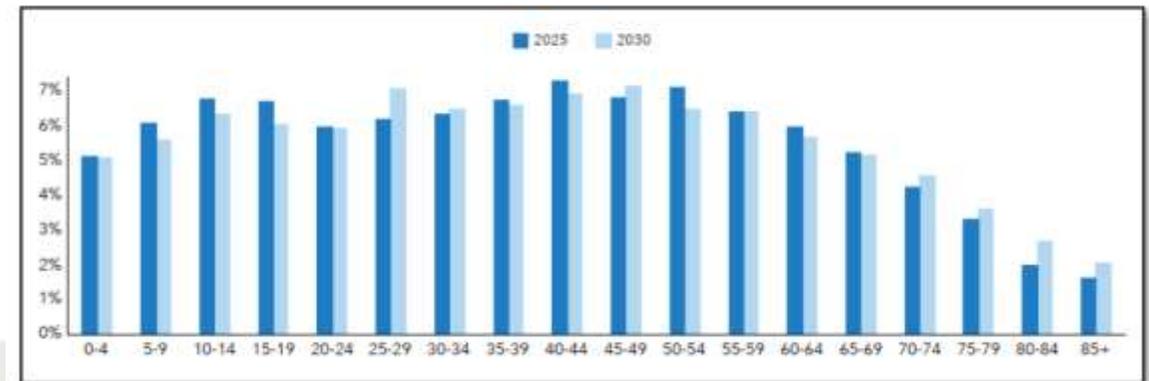
Diversity Index 2025



Population Growth 2025-2030



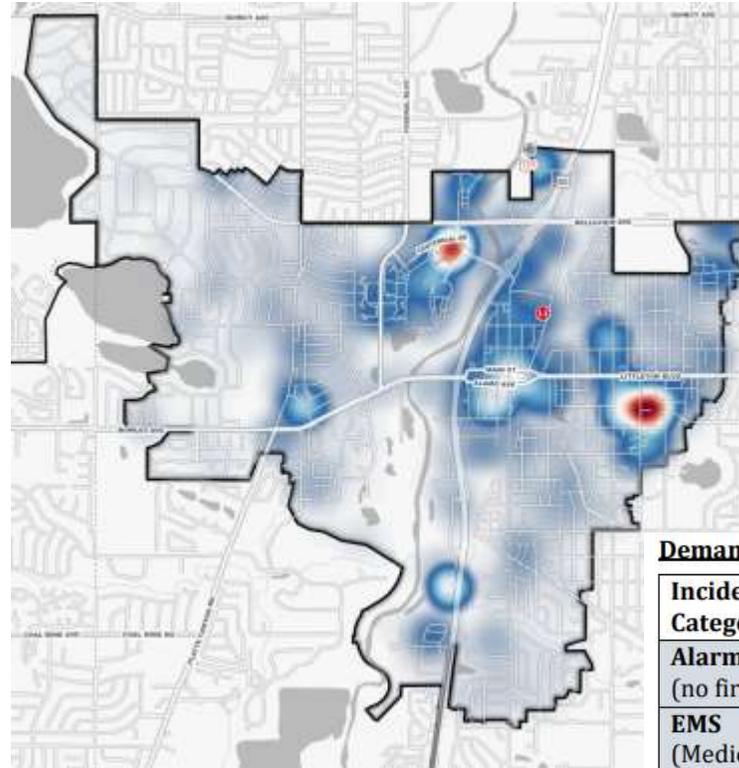
Population by Age



Geographic Planning Zones



- Population and land use
- Incident volume and type
- Risk concentration
- Response time and access
- Critical Infrastructure
- SWOT Analysis
- Analytic Maps



2021 - 2025 Top 20 Response Locations

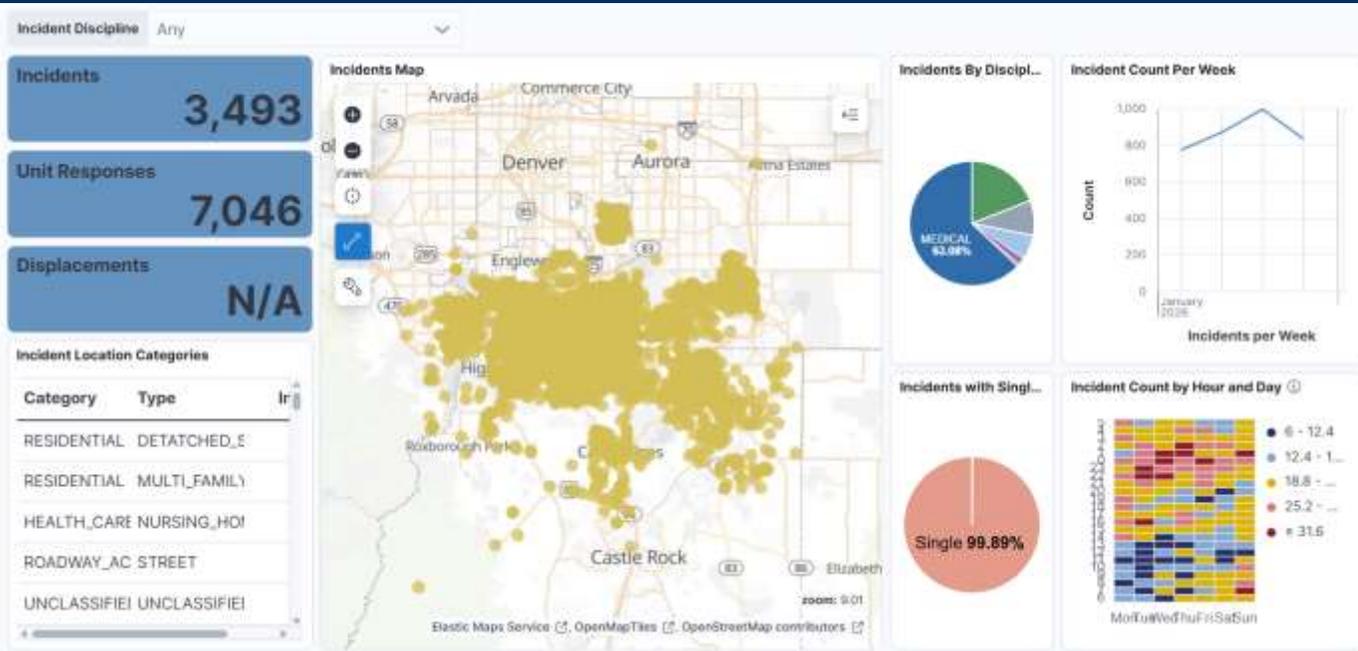
Location or Address	Incidents
5225 S PRINCE ST	347
RIVERPOINTE SENIOR LIVING	271
BRADLEY HOUSE APARTMENTS	225
LIBBY BORTZ ASSISTED LIVING	210
5844 S DATURA ST	207
ARAPAHOE COUNTY RESIDENTIAL CENTER	189
5820 S WINDEREMIRE ST	183
VITA LITTLETON	159
5844 S CURTICE ST	155
WINDERMERE APARTMENTS	155
WOODSPRINGS SUITES - SANTA FE	151
5807 S GALLUP ST	137
SOUTHVIEW PLACE - DATURA	130
6509 S SANTA FE DR	129

Demand in Station 11 First-Due Area (All Units), 2021-2025

Incident Category	A-Shift	B-Shift	C-Shift	Station Total
Alarms (no fire)	398	424	391	1,213
EMS (Medical, MVA)	3300	3072	3381	9,753
Fire (Structure, Wildfire, Vehicle)	80	68	62	210
Other	286	263	241	790
Public Assist	892	1259	917	3,068
Special Ops	20	23	22	65
Total	4,976	5,109	5,014	15,099

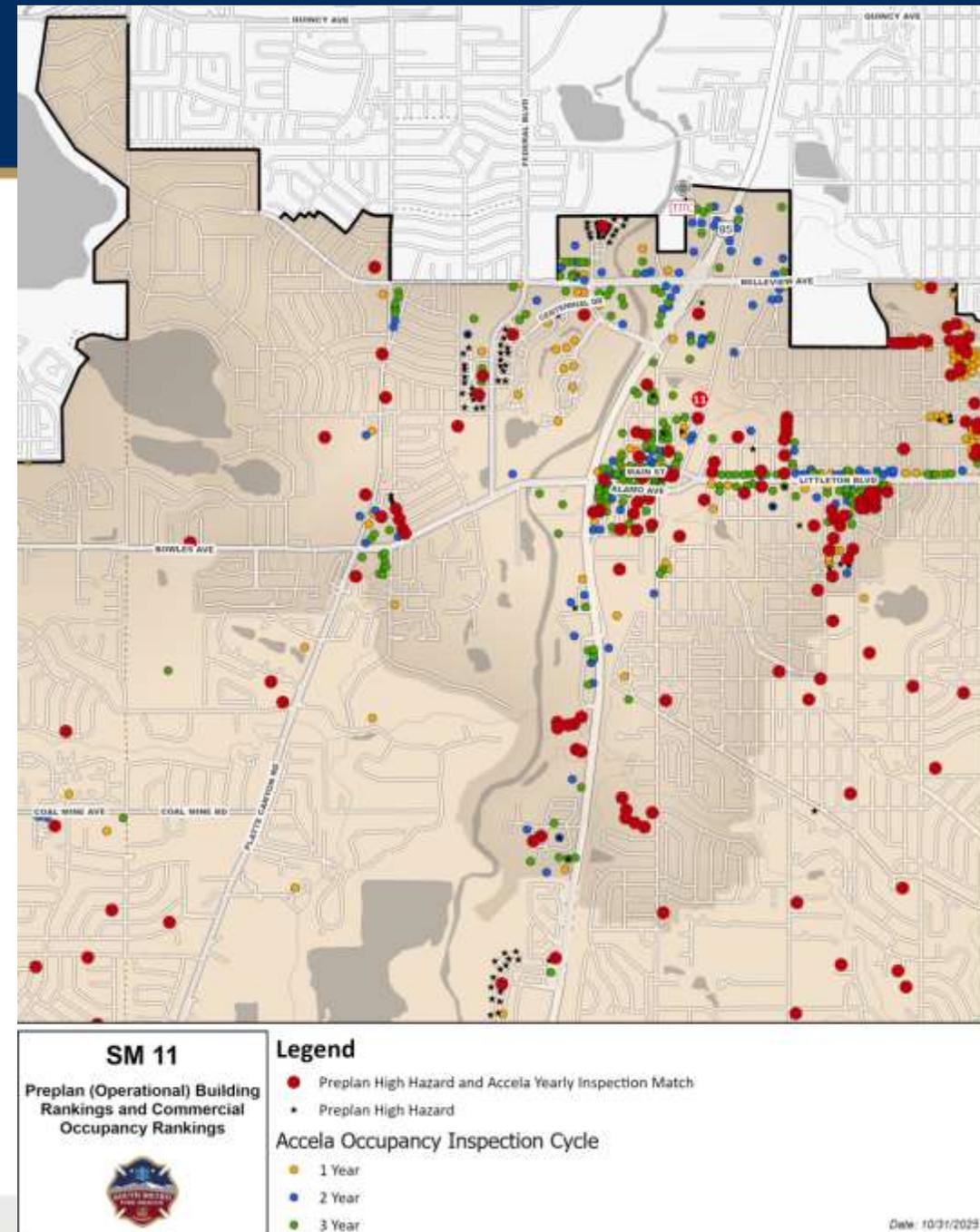
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Total
00	55	47	43	39	40	43	37	304
1	44	43	27	22	47	30	45	258
2	40	24	28	34	36	37	49	248
3	31	31	32	36	30	25	24	209
4	32	41	34	28	26	32	42	235
5	31	45	35	37	32	29	21	230
6	40	29	54	51	35	38	48	295
7	66	52	57	63	56	61	67	422
8	65	81	85	75	76	89	68	539
9	63	85	97	91	90	79	71	576
10	77	100	113	101	96	109	64	660
11	95	99	93	94	89	101	100	671
12	82	103	102	99	100	106	108	700
13	91	99	95	106	101	101	96	689
14	100	108	96	97	108	92	84	685
15	95	81	90	96	97	86	92	637
16	70	94	109	110	97	97	100	677
17	101	105	98	98	93	101	81	697

Data Reporting



Occupancy Risk and Preplans

INSPECTION INTERVAL	OCCUPANCY COUNT
1 YEAR	3327
2 YEAR	3454
3 YEAR	4762
TOTAL	11543



Standard of Cover (SOC)



- Service Delivery Programs
 - Suppression
 - Wildland
 - Dive
 - Aircraft Rescue Fire Fighting
 - Emergency Medical Services
 - Hazardous Materials
 - Technical Rescue
 - Emergency Communications

Fire Experience (In-District)

In District Fire Activity	2021	2022	2023	2024	2025
Structure Fires (NFIRS 111-124)	225	186	195	208	204
Fires Contained to Room of Origin	182	155	160	167	160
% Fires Contained to Room of Origin	81%	83%	82%	80%	78%
Sprinkler Head Activations	10	4	8	18	11
Total Property & Contents Pre-Incident Value	\$237,405,445	\$135,450,704	\$212,136,112	\$285,426,083	\$307,973,201
Total Property & Contents Loss	\$6,021,118	\$12,006,340	\$19,816,555	\$16,223,066	\$17,461,076
Total Assessed Property & Contents Value Saved	\$231,384,327	\$123,444,364	\$192,319,557	\$269,203,017	\$290,512,125

Top Fire Types (2021-2025)

Incident Type and NFIRS Code	Totals
Structure fire involving an enclosed building- 111	543
Special outside fire, not otherwise classified- 160	443
Passenger vehicle fire- 131	437
Cooking fire, confined to container-113	312
Dumpster or other outside trash receptacle fire- 154	237

Top Alarm Types

Incident Type and NFIRS Code	Totals
Unintentional - alarm system activation (no fire)- 745	4593
Unintentional - smoke detector activation (no fire)- 743	4540
Malfunction - due to alarm system activation- 735	2584
False alarm - false alarm or false call, other- 700	2470
Malfunction - due to smoke detector activation- 733	2443

Suppression Risk Analysis

Incident Type	Average of Probability	Average of Impact	Average of Consequence
Camper or recreational vehicle (RV) fire	2.0	4.5	3.0
Chimney or flue fire, confined to chimney or flue	2.0	7.0	2.0
Commercial compactor fire, confined to rubbish	2.0	8.0	2.0
Cooking fire, confined to container	2.0	3.2	2.0
Dumpster or other outside trash receptacle fire	2.0	2.5	2.0
Fire in a Port-O-Potty	2.0	2.4	2.0
Fire in mobile home used as fixed residence	2.0	5.2	2.4
Fire in motor home, camper, recreational vehicle	2.0	4.5	2.0

Support Programs



- Support Programs
 - Fire Investigation and Prevention
 - Community Risk Reduction
 - Messaging Takeaway Project
 - Training
 - Fleet
 - Information Technology
 - Facilities
 - Wellness

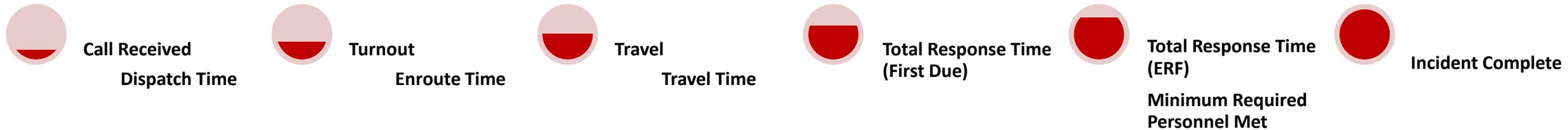
CRR MESSAGING TAKEAWAY	2021	2022	2023	2024	2025	Grand Total
WEAR PFD	9	14	18	21	9	71
WATER WATCHER	8	15	7	11	6	47
LEASH DOGS NEAR ICE	9	16	6	3	2	36
NO ICE IS SAFE ICE	3	13		2	1	19
DRIVING SAFETY		5	6	5	1	17
BOAT MALFUNCTION	3	2	4	2	3	14
WEATHER AWARE	1			1	1	3
PROPER USE OF 9-1-1				1	1	2
FALL PREVENTION					1	1
NONE	6	1	3	5	7	22
Grand Total	39	66	48	47	32	232

CRR Fire Cause Codes

Category/Subcategory	Q2-Q4 2023	2024	Q1 2025	Grand Total
Appliance	15	23	3	41
Chicken_Coop_Fire	1	2		3
Construction		6	1	7
Electrical_Failure_or_Malfunction	10	23	7	40
Fireplace			2	2
Garage	3	4	1	8
Intentional	13	19	5	37
Kitchen	45	71	12	128
Lithium_Ion_Batteries	6	4	1	11
Other	7	13	2	22
Other Agency Assist	11	6	3	20
Outdoor_Cooking_and_Recreation	1	8		9
Outdoor_Home_Maintenance_and_Improvement	1	2		3
Smoking	5	19	3	27
Trash	2	3	2	7
Unintentional_or_Misuse_of_Materials	17	13	3	33
Undetermined	7	11	5	23
Weather	4	1		5
Grand Total	148	228	50	426

- Response Times
- Risk Levels
- Critical Tasks and Effective Response Force (ERF)

High-Risk Suppression		
Response Plan	First Alarm Response	Personnel Count
4 AND 1 FIRE (RESIDENTIAL STRUCTURE FIRE)	1 LADDER	4
	4 ENGINE	16
	2 MEDIC	4
	2 SM BC	2
	1 SM SAFETY	1
	1 SM MED 1	1
	1 RIT	4
	Apparatus Total- 12	32
Critical Tasks		Minimum Required Personnel
Officer-Arrive/Position, Give Initial Radio Report, Establish Command, Perform Size-up, Initial Attack		4
Officer- Directs FF to connect to hydrant, prepares team for entry		4
On Deck Crew- 2nd Supply Source		4
Enter structure- direct crew for search, Control utilities, and roof operations.		4
Fire Attack or Search		4
Incident Command		2
Incident Safety		1
Total ERF		23



ERF High Risk Fires 24-25



(High Risk) Fire Suppression - 90th Percentile Times - Baseline Performance			Benchmark	Total 2024-2025	2025	2024
Total Response Time	Total Response Time 1st Unit on Scene Distribution	Urban	7:42	07:54 n=88	08:02 n=48	07:41 n=39
		Rural	15:30	13:59 n=12	14:20 n=5	10:32 n=7
	Total Response Time ERF Concentration	Urban	12:54	20:42 n=65	20:21 n=34	20:44 n=31
		Rural	20:42	27:33 n=9	35:09 n=4	22:02 n=5

Cause: 'Fire-High' Assigned Nature Codes

- SF1R-Residential Struc Fire
- SF1R - Residential Str Fire
- x67D5-Refinery/Tank/Fuel Farm: From previous CAD
- x69-Structure Fire: From previous CAD
- x69C-Structure Fire: From previous CAD
- x69D-Structure Fire: From previous CAD
- x69D6-Residential (Single): From previous CAD
- x69D7-Chimney: From previous CAD
- x69D8-Large Non-Dwelling Bldg: From previous CAD
- x69E-Structure Fire: From previous CAD
- x71C2-Vehicle Fire in Parkade: From previous CAD

SOC Improvement Plan



- Recalibrate Performance Benchmarks
- Incorporate NERIS into data and analysis processes
- Explore alternative response solutions, as also identified in the Strategic Plan

What's Next?



Board CRA-
SOC
presentation

Feedback
Period

Board
Approval

Submission
to CPSE

• 2/2

• 3/23

• 3/27

Action Items

- ETeam and Board Feedback
- Board Approval 3/23
- Position the CRA–SOC as a living governance framework that informs decisions, resource allocation, and service delivery throughout accreditation cycles



Thank you

