



**A CONTINUED MEETING OF
THE CITY COUNCIL
February 23, 2025, 12:00 Noon
Library Community Room**

AGENDA

A. CALL TO ORDER

*****THE FOLLOWING ITEM IS CONSIDERED AN ACTION ITEM:**

1. Fire Station Location/ Fire & EMS Deployment Study Presentation – Fire Chief Greif and Richard Curtis with ESCi.
2. Council Q &A

B. ADJOURNMENT

Fire Station Location/ Fire & EMS Deployment Study conducted by
ESCI (Emergency Services Consulting International)
can be accessed at this link:

<https://www.cdaid.org/files/Fire/CDAFD%20Service%20Deployment%20Study%20Final.pdf>



2025 FIRE & EMS DEPLOYMENT STUDY

Coeur d'Alene Fire Department Idaho

☎ 1-800-757-3724

✉ info@esci.us www.esci.us

🌐 www.esci.us



Emergency Services Consulting International
Providing Expertise and Guidance that Enhances Community Safety



City of Coeur d'Alene

Fire/EMS Deployment
Study

Final Report – Feb 3, 2026



1

ESCI OVERVIEW

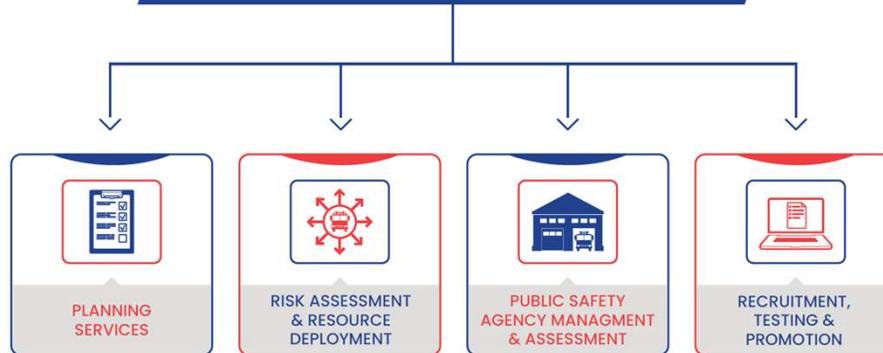


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ESCI OVERVIEW



COMMUNITY SAFETY



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Study Scope



- Evaluation of fire protection and EMS services
 - Current and future needs
 - Concentration of community risks
- Assessment of operations, deployment, staffing.
 - Station sites
 - Staffing levels
 - Fire protection, ladder service & EMS deployment.

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Methods of Analysis



- GIS modeling and scenario planning
- Comparative analysis of station location scenarios
- Evaluated the FD's Staffing Relief Factor

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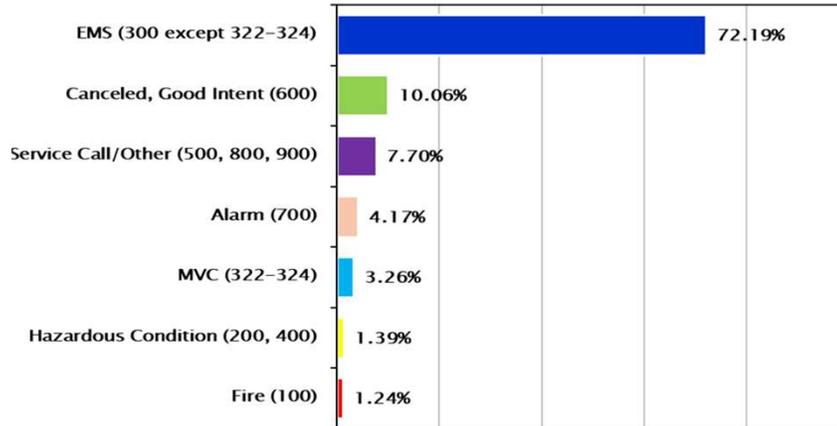
Primary Findings



- Steadily growing community
- Increasing service demand
 - Population and Visitors
- Significant high-rise and commercial risk
- Strong countywide ALS ambulance service
- Bond approval for Station #2 & fire apparatus

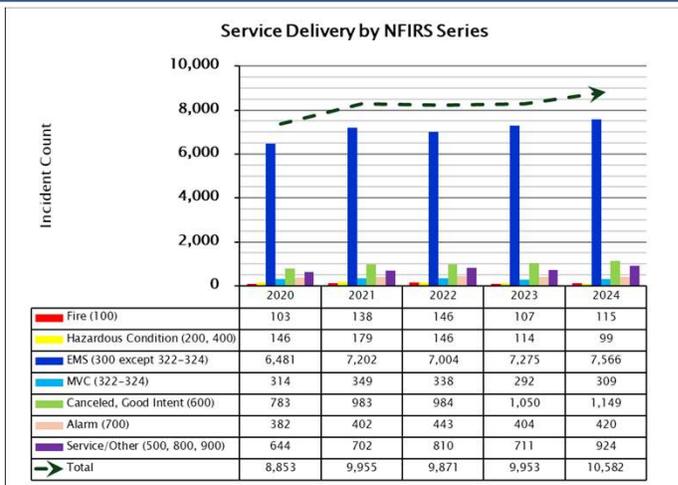
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Service Delivery



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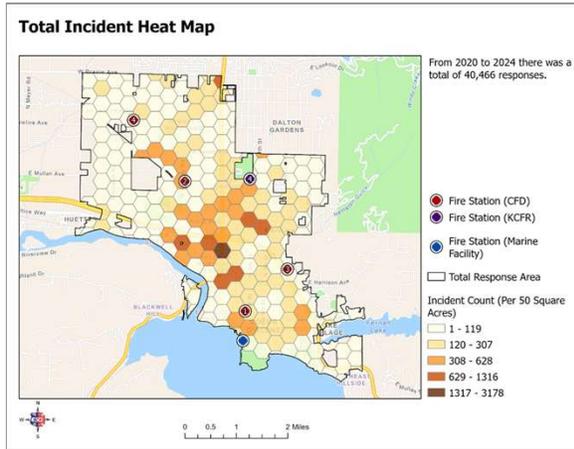
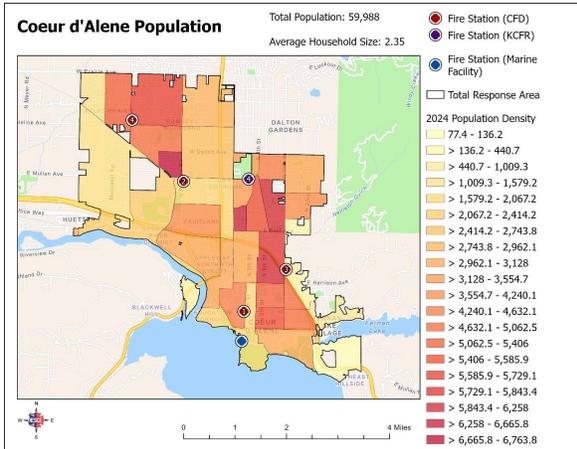
Incident Growth



- **Five Year Increase 19.5%** ↑
- Service/Other 10.5% ↑
- Fire Incidents 5.1% ↑
- EMS Incidents 4.1% ↑

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Population Density & Incident Density



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Comparative Analysis

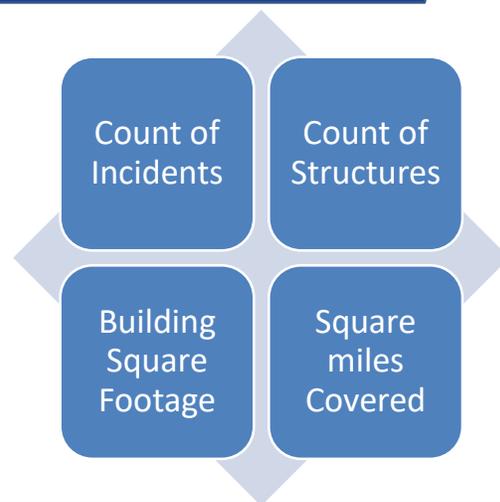


Fire Company Distribution

- 10 Deployment Scenarios
- 4 and 5 Station deployment
 - CFD, chosen sites, ArcGIS software, and consulting judgment.

Ladder Truck Distribution

- 4 Deployment Scenarios
- 1 and 2 Station deployment
- Existing and Proposed Sites



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Comparative Analysis



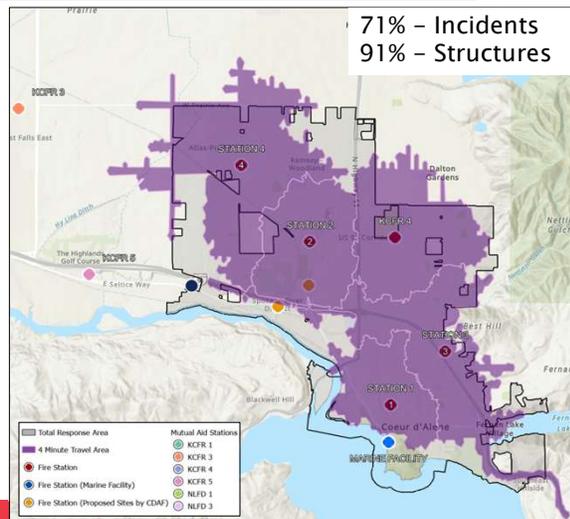
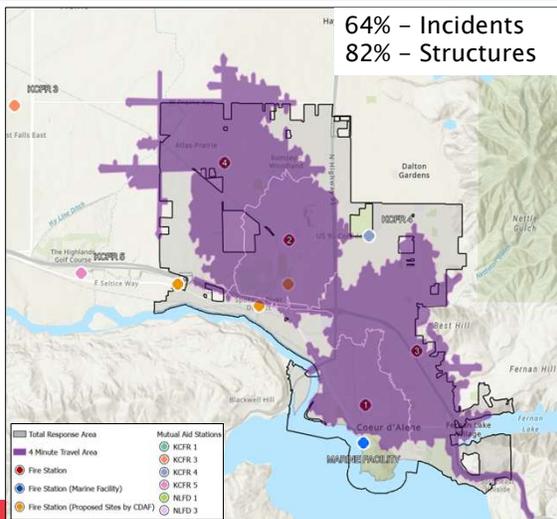
ALS Unit Distribution (EMS)

- 7 Deployment Scenarios
- Assumed Med 34 is staffed fulltime.



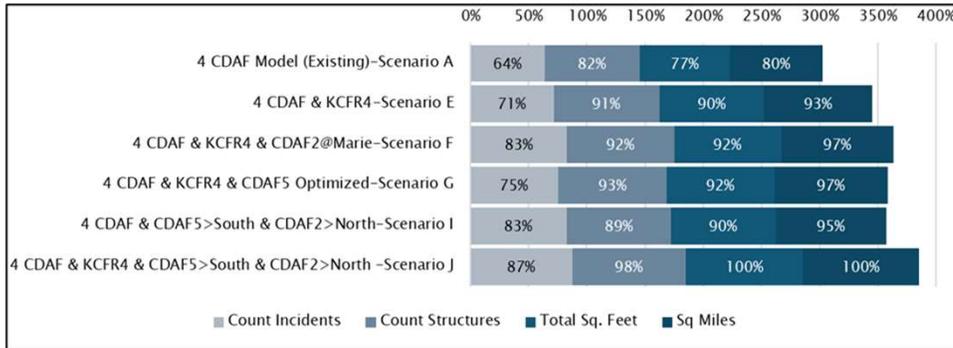
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Existing Station Deployment + KCFR #4



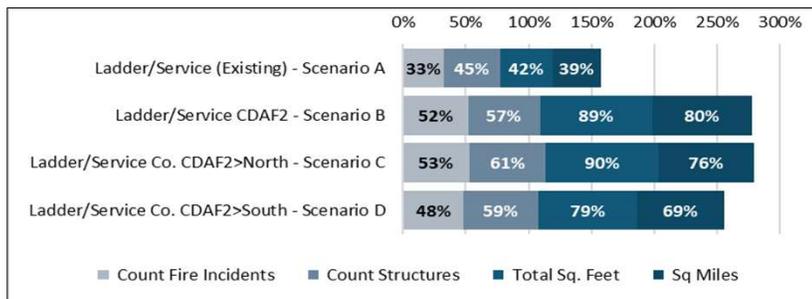
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Engine Company Distribution



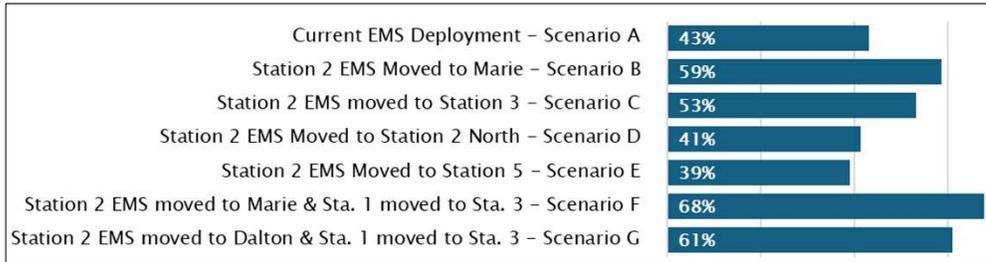
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Ladder Truck



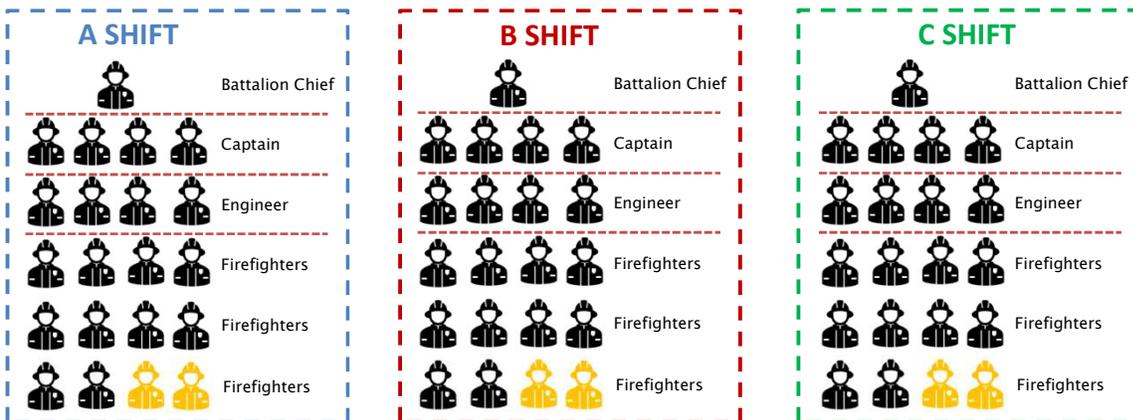
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EMS Distribution



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Staffing Relief Factor



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Staffing Relief Factor



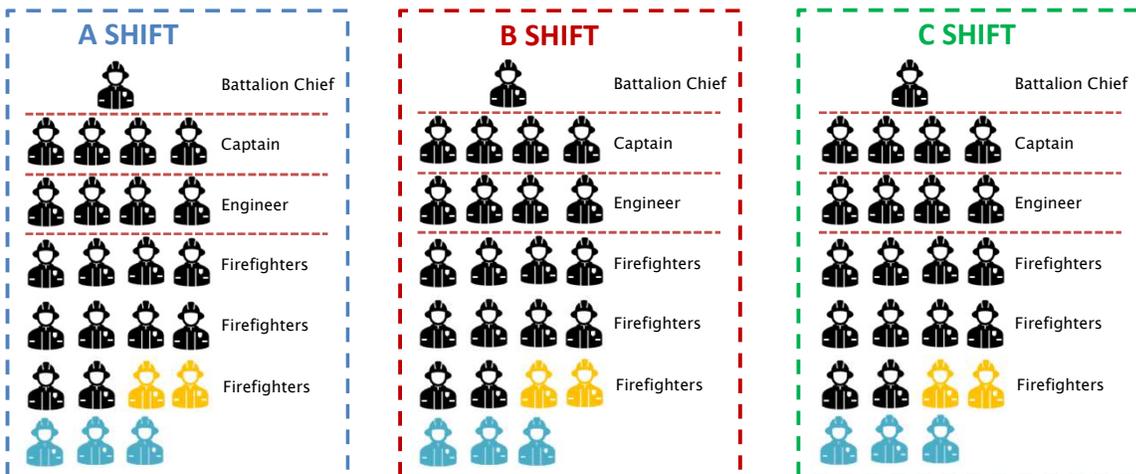
- 4 Years of Leave data
- Off-shift hours include:
 - Vacation
 - Sick leave
 - Bereavement
 - Remote training
 - Jury duty

Staffing Relief Factor = 1.3



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Staffing Relief Factor



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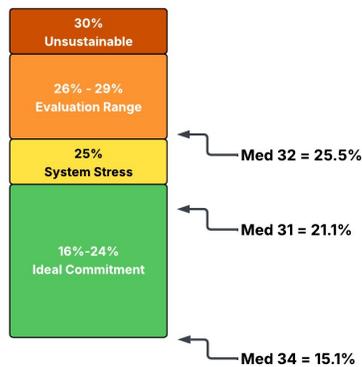


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Med 34 Inservice Impact



Commitment Factor Best Practice

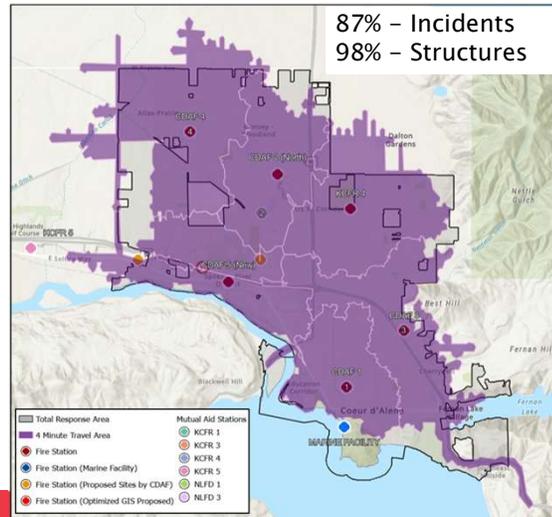
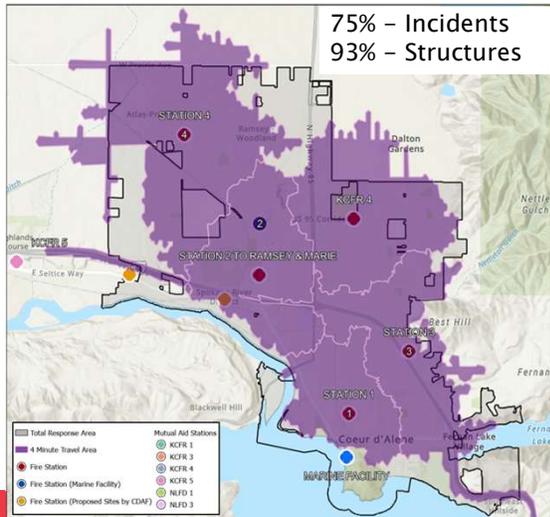


2024 Annual Data

- Med 32 CF dropped by 5%
 - Med 34 was in-service.
- Med 31 CF dropped by 2%
 - Med 34 was in-service.
- Place Med Units on sustainable path within the ideal Commitment Range

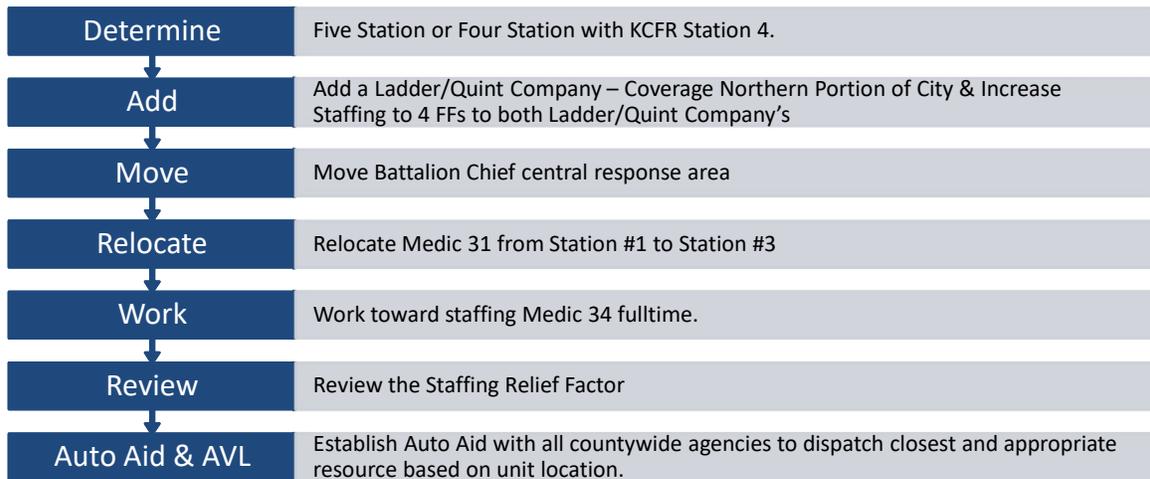
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4 Station vs 5 Station Deployment



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Key Recommendations



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