BDR 20-188
SB 304

LOCAL GOVERNMENT

FISCAL NOTE

AGENCY'S ESTIMATES

Date Prepared: March 29, 2023

Agency Submitting: Elko County

Items of Revenue or Expense, or Both	Fiscal Year 2022-23	Fiscal Year 2023-24	Fiscal Year 2024-25	Effect on Future Biennia
(Expense)				
Total	0	0	0	0

Explanation (Use Additional Sheets of Attachments, if required)

This would have a significant impact on Elko County Fire District. Elko county Fire District Chief Matt Petersen has prepared the attached documents outlining the potential impacts.

Name Susan Paprocki

Title Comptroller

FN 8548

Elko County Fire District Chief Matt Petersen's reply to request for information regarding BDR 20-188:

For the fire district this could have major impacts, unless there is a public safety exemption for firefighting.

- Section 1
  - b. we have mitigation measures in the limited amount of exposure and down time.
  - ***The exemption would need to be listed as active firefighting, fire control or emergency response, or exigent circumstance***
  - B 1. we already provide drinking water, we provide 1 gallon per day minimum on the person plus stocks on vehicles
  - **B 2. Normal workday we try to provide breaks and rest areas (16 hour shifts on wildland fires would be 4 gallons per employee, most of the time these firefighters carry their water that would add 32lbs per firefighter) normal weight is 25-40 lbs. for gear additional of 32 lbs. would be 57-62lbs.**
    - **On fires this would not be able to obtain when firefighters are not close to vehicles**
    - **Shade in southern and northern Nevada on wildland fires is almost impossible, so to accommodate this we would have to bring shade tents which would increase work load on employees or bring total support units to fires to carry out regulations.**
  - B 3. We encourage firefighters to work at a sustainable pace with water breaks as needed.
  - B 4. We utilize medical and Ems personal on the modules to monitor each other, we use 6 minutes and briefings for monitoring fatigue.
  - B 5. procedures, training program and response are currently in place.
  - C. procedures, training program and response are currently in place.
  - D. our mitigation measures and program consist of internal (module/ crew) and external (supervisory and incident overhead) monitoring and to mitigate we attempt to rotate crews and modules to areas with exposure to limit effects to one crew.
    - **Elko county does not have a regular air quality monitoring program, costs associated with full program.**
    - **This could increase costs of wildland fires and all hazard incidents. Due to the need for rotating crews. 1:1 crew would be needed, doubling the work force to mitigate exposure**
  - **D 1. Raspatory requirements for 16 hours daily for up to 14 days have not been studied and implemented and should be studied prior to implementation to know all effects.**
  - ***D 3. Air ventilation and filtering on wildland fires would be difficult for all agencies.***

USFS is currently conducting clean air centers on wildland fires and communities impacted by wildland fires, study is still not released but in progress.

Financial impacts to implement annually $100,000.

Financial impacts per incident- for incidents with 100 personnel

- **24 hour- $25,000 per 24 hours**
    - **Elko county has an average of 85+ wildland fires annually of those most are single day incidents but if 25% is multi day incidents and daily response would be $85,000-$100,000 annually.**

Location	Population sq mile	Current Daily Staffing Staffing	Total Station Staffing	VFD Staffing	NFPA Daily Staffing	NFPA Required Staffing	Additional To Meet Staffing	Personnel/ Equipment/ Training 275 Kea	Facilities/ Improvements/ Requirements/ additional	VFD Training Current @40 Per hour CTG (24 hours)	NFPA VFD Training Hour Cost @ 40 Per hour CTG (110 Hours)	Reason
Elko Station 21 HQ	**1000+**	1	2	10	4	12	10	$1,750,000	$12,000,000	$9,600	$44,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Elko Station 121 West	**1000+**	0	0	0	4	12	12	$2,100,000	$3,500,000	$0	$0	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Elko Station 22 East	**1000+**	0	0	0	4	12	12	$2,100,000	$3,500,000	$0	$0	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Elko Station 122 North	**1000+**	0	0	0	4	12	12	$2,100,000	$3,500,000	$0	$0	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Spring Creek 28 Round About	**1000+**	3	9	5	4	12	3	$525,000	$2,000,000	$4,800	$22,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Spring Creek 128 Horse Palace	**1000+**	0	0	0	4	12	12	$2,100,000	$3,500,000	$0	$0	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Spring Creek Trailer	**1000+**	0	0	20	6	18	18	$3,150,000	$2,500,000	$19,200	$88,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Lamoille	**1000+**	0	0	20	4	12	12	$2,100,000	$750,000	$19,200	$88,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Tenmile/ Sounth Fork	**500-1000 sq mile**	0	0	10	0	0	0	$0	$3,500,000	$9,600	$44,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Jiggs	**500 < sq mile**	0	0	15	0	0	0	$0	$1,500,000	$14,400	$66,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Ryndon/ Osino	**500-1000 sq mile**	0	0	15	4	12	12	$2,100,000	$3,500,000	$14,400	$66,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
River Ranch/ Elberz/ Deeth/ SV	**500 < sq mile**	0	0	15	4	12	12	$2,100,000	$3,500,000	$14,400	$66,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Wells/ Wells Rural	**500-1000 sq mile**	2	2	20	6	18	16	$2,800,000	$4,500,000	$19,200	$88,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Montello	**500 < sq mile**	0	0	20	4	12	12	$2,100,000	$4,500,000	$19,200	$88,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Jackpot	**500-1000 sq mile**	2	4	20	9	27	23	$4,025,000	$6,000,000	$19,200	$88,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Ruby Valley	**500 < sq mile**	0	0	15	0	0	0	$0	$2,500,000	$14,400	$66,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates

Tusc/ Indep	**500 < sq mile**	0	0	15	0	0	0	$0	$2,500,000	$14,400	$66,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Midas	**500 < sq mile**	0	0	10	0	0	0	$0	$2,500,000	$9,600	$44,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
O Basin/ Metro	**500 < sq mile**	0	0	15	0	0	0	$0	$2,500,000	$14,400	$66,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Jarbidge	**500 < sq mile**	0	0	10	0	0	0	$0	$2,500,000	$9,600	$44,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Mt City	**500 < sq mile**	0	0	10	0	0	0	$0	$2,500,000	$9,600	$44,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Northfork	**500 < sq mile**	0	0	10	0	0	0	$0	$2,500,000	$9,600	$44,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
		0	0	10	0	0	0	$0	$2,500,000	$9,600	$44,000	
Misc Equipment	**Compressors, Safety**							$0				
Training, Health and Safety	**Training, Compliance**	1	0	0	2	6	6	$1,050,000	$2,500,003			
EMS Program management	**EMS**	0	0	0	1	3	3	$525,000	$250,000	$0	$0	
Operations Division	**Ops and BC**	1	1	0	2	6	5	$875,000	$1,000,000	$0	$0	
Fleet Management	**Mech**	2	2	0	0	4	2	$350,000	$2,500,000	$0	$0	
Administrative	**Chief and Aids**	2	2	0	5	0	5	$875,000	$2,500,000	$0	$0	
Totals For Elko County		14	22	265	71	202	187	$32,725,000	$87,000,003	$254,400	$1,166,000	
Carlin	**500-1000 sq mile**	1	1	20	6	18	17	$3,400,000	$1,500,000	$19,200	$88,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Wells	**500-1000 sq mile**	0	0	15	4	12	12	$2,400,000	$1,500,000	$14,400	$66,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
West Wendover	**500-1000 sq mile**	2	4	20	9	27	23	$4,600,000	$6,000,000	$19,200	$88,000	Response Time, On Scene Requirements, Training Increase, Infastructure updates
Totals For Cities		3	5	55	19	57	52	$10,400,000	$9,000,000	$52,800	$242,000	