



Nunavik Fire Statistics 2024

Nunavik Fire Statistics 2024

Methodology

Municipal Fire Departments are responsible to send the fire reports to the KRG Civil Security Department,

Annual Statistical Analysis are done by the Civil Security Public Safety and Fire Prevention Technician,

An increase in number of reports received by the municipalities directly leads to a better assessment of the situation.



.Statistics are subject to revision and are estimates only



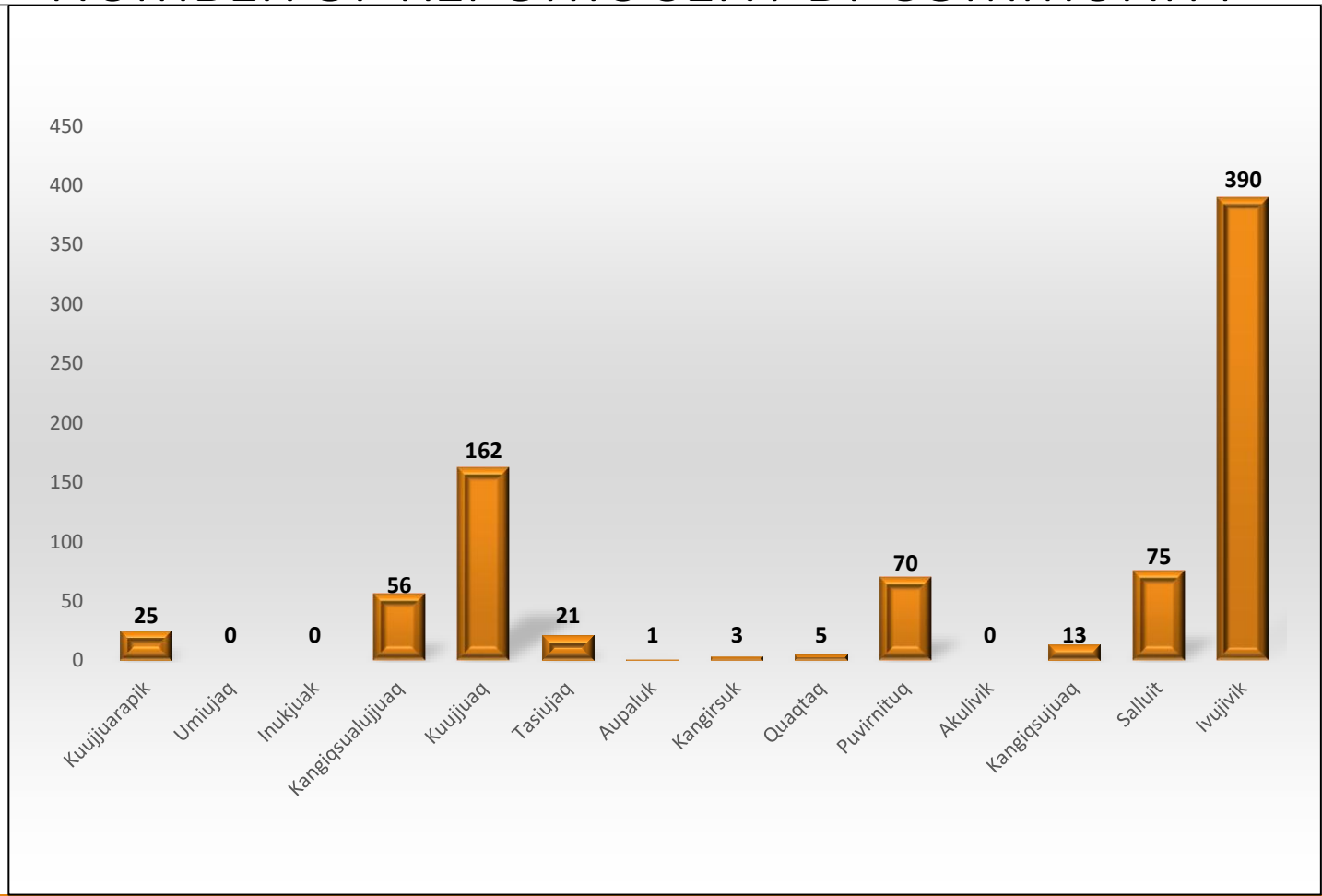
Nunavik Fire Statistics 2024

- In 2021 communities sent 213 reports.
 - In 2022 the Civil Security Department received 417 reports (including activity reports), 319 reports were used in the statistics.
 - In 2023, the Civil Security Department received 384 reports (including activity reports), 250 reports were used in the statistics.
 - In 2024, the Civil Security Department received 821 reports (including activity reports), 271 reports were used in the statistics.
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- All of the 101 community fire reports were included in the statistics



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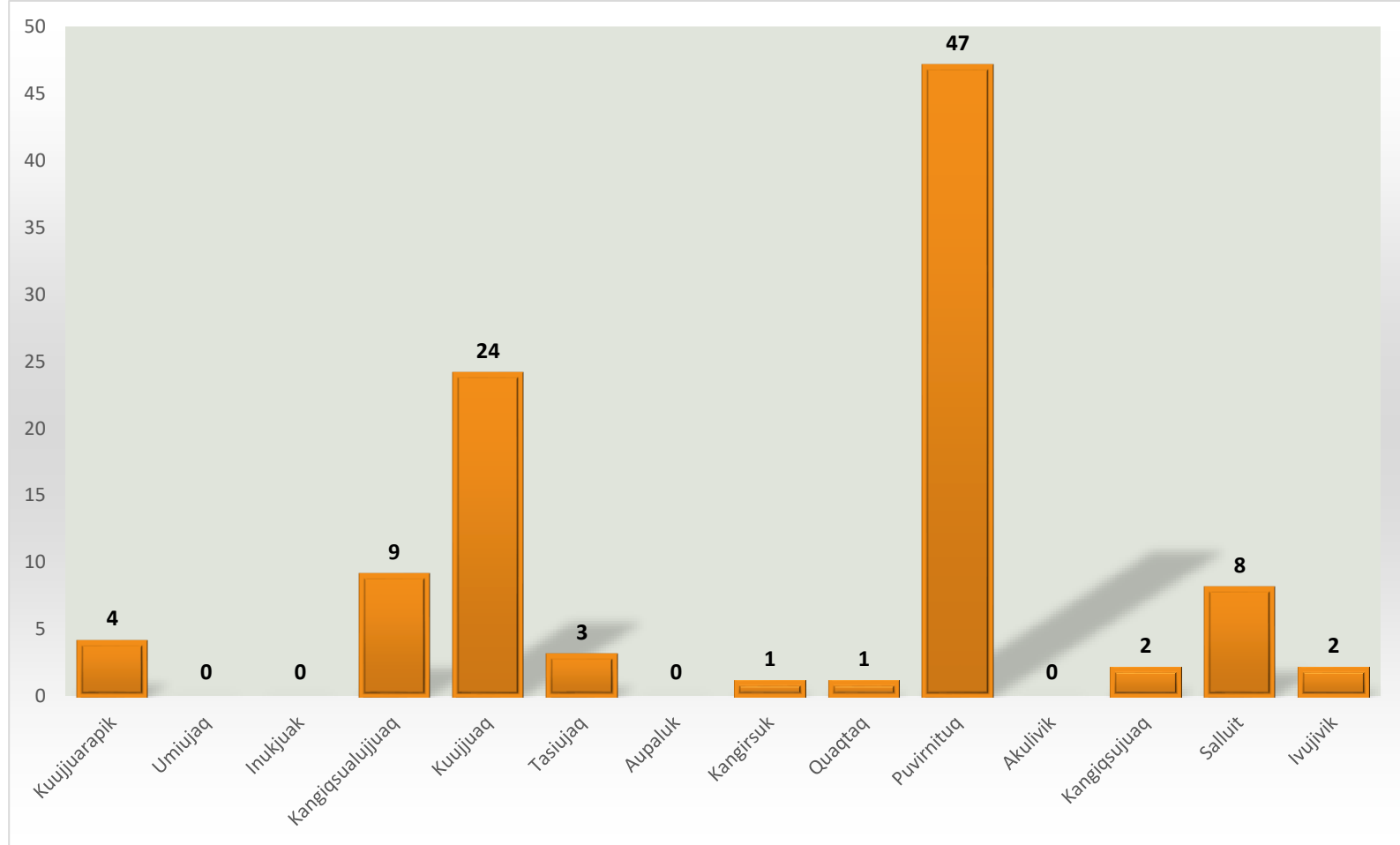
NUMBER OF REPORTS SENT BY COMMUNITY





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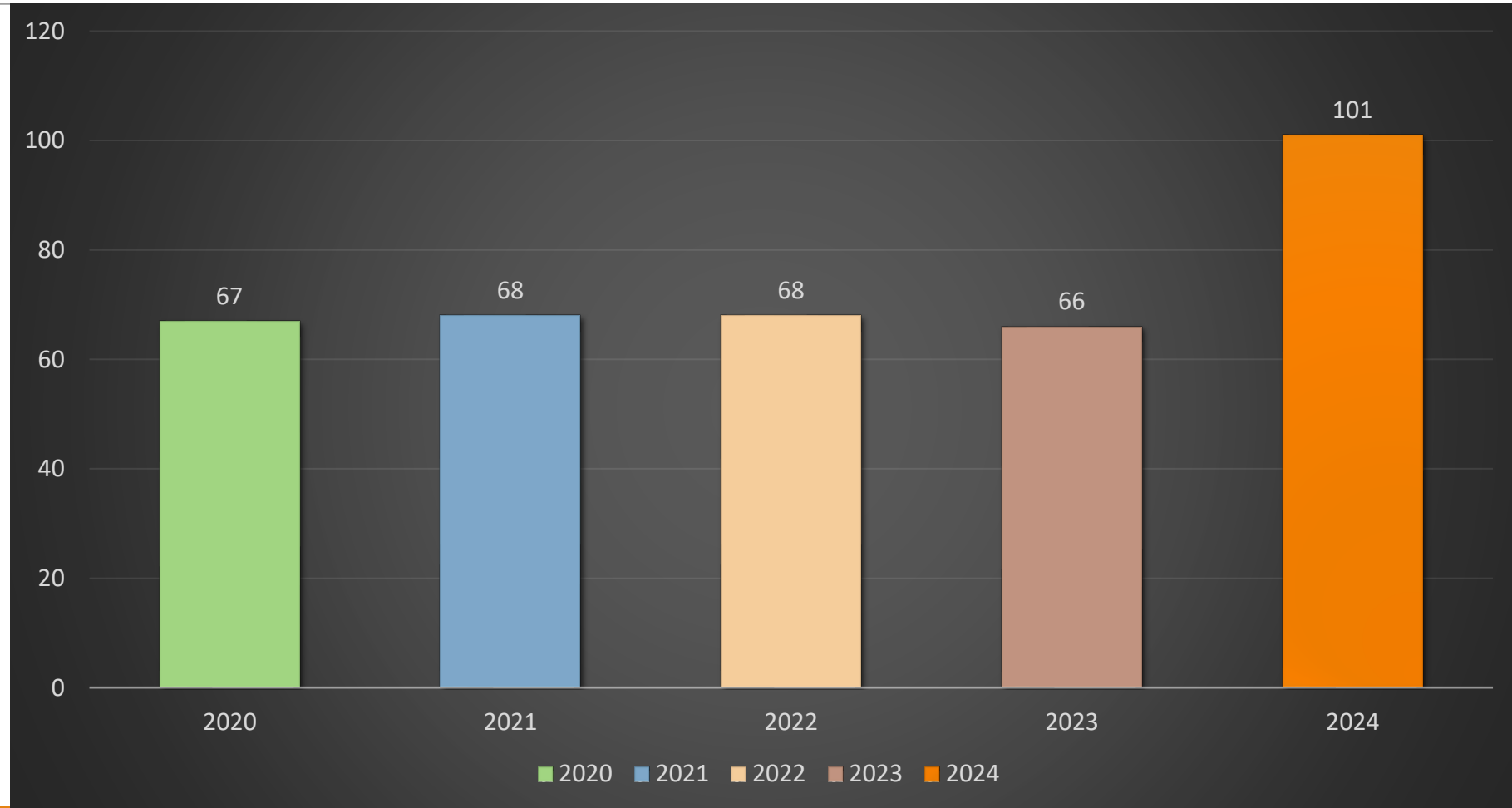
NUMBER OF FIRES PER COMMUNITY





Nunavik Fire Statistics 2024

NUMBER OF FIRES PAST FIVE YEARS





Nunavik Fire Statistics 2024

NUMBER OF FIRES PAST FIVE YEARS

Northern Villages	2020	2021	2022	2023	2024	2024%	5 years	%
Kuujuarapik	5	6	6	1	4	4%	22	6%
Umiujaq	2	1	4	0	0	0%	7	2%
Inukjuak	11	8	5	1	0	0%	25	7%
Kangiqualujuaq	5	4	2	12	9	9%	32	9%
Kuujuuaq	4	9	17	27	24	24%	81	22%
Tasiujaq	0	2	2	2	3	3%	9	2%
Aupaluk	2	1	0	0	0	0%	3	1%
Kangiqsujuaq	5	7	4	3	1	1%	20	5%
Quaqtaq	2	1	0	5	1	1%	9	2%
Puvirnituaq	14	12	16	2	47	47%	91	25%
Akulivik	1	1	0	0	0	0%	2	1%
Kangirsuk	2	3	4	5	2	2%	16	4%
Salluit	10	11	8	7	8	8%	44	12%
Ivujivik	4	2	0	1	2	2%	9	2%
Nunavik	67	68	68	66	101	100%	370	100%



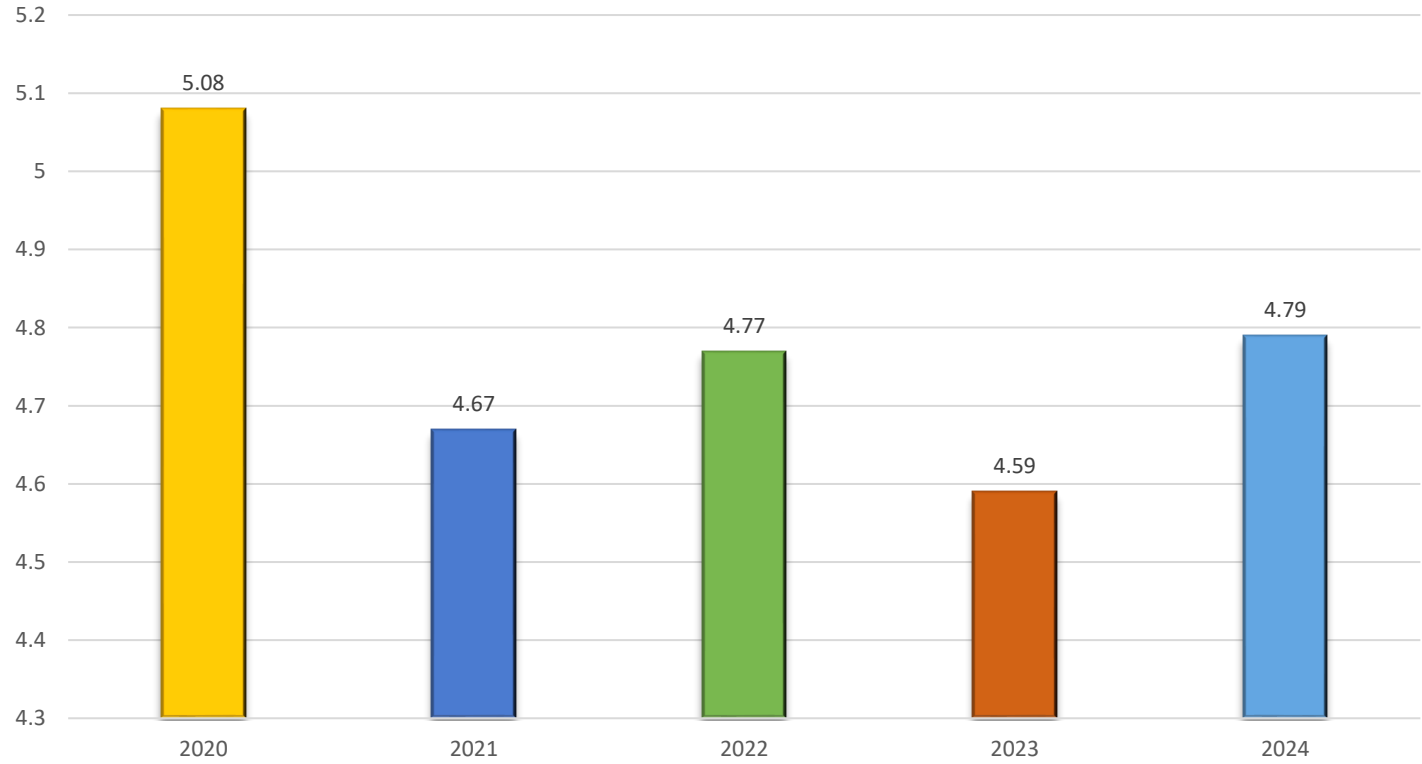
Nunavik Fire Statistics 2024

- ✓ There were 101 fires in 2024
- ✓ **Kuujjuaq, Quaqtaq, Kangiqsualujjuaq** reported a decrease in fires (Kuujjuaq from 27 to 24, Quaqtaq from 5 to 1, Kangiqsualujjuaq from 12 to 9)
- ✓ **Kuujjuaraapik** had an increase of 3 fires (from 1 to 4)
- ✓ **Puvirnitug** registered a major increase of 45 fires (from 2 to 47)
- ✓ **Akulivik, Aupaluk, Inukjuak and Umiujaq** reported no fires



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NUMBER OF FIRES PER 1000 PEOPLE



- Increase of 0.2 compared to 2023
- As a comparison the fire rate for the province was 2.14 in 2020



Nunavik Fire Statistics 2024

RATE PER 1000 PEOPLE

- The regional rate of fires has increased (from 4.59 to 4.79)
- 5 communities increased
- 8 communities decreased
- 1 remains the same as last year
- **Puvirnitug** (+13.29) and **Kuujjuaraapik** (+5.3) have had the biggest increase in fire rate in 2024 compared to the previous five years.

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TRENDS IN FIRE RATE PER COMMUNITY

FIRES IN 2024					
Community	Total fire by community	% of total fires	Fires by thousand residents (2024)	Average rate of fires over the previous 5 years	Rate differences Between 2024 and the 5 previous years
KUUJJUARAAPIK	4	4%	5.47	4.4	1.07
UMIUJAQ	0	0%	0	1.4	(1.40)
INUKJUAK	0	0%	0	5.0	(5.00)
KANGIQSUALUJJUAQ	9	9%	8.91	6.4	2.51
KUUJJUAQ	24	24%	8.83	16.2	(7.37)
TASIUJAQ	3	3%	6.74	1.8	4.94
AUPALUK	0	0%	0	0.6	(0.60)
KANGIRSUK	1	1%	1.73	4.0	(2.27)
QUAQTAQ	1	1%	2.11	1.8	0.31
PUVIRNITUQ	47	47%	21.19	18.2	2.99
AKULIVIK	0	0%	0	0.4	(0.40)
KANGIQSUJUAQ	2	2%	2	3.2	(0.82)
SALLUIT	8	8%	4.91	8.8	(3.89)
IVUJIVIK	2	2%	4.81	1.8	3.01
Grand Total	101	100%	4.79	5.3	(0.49)

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NUMBER OF FIRES PER MONTH

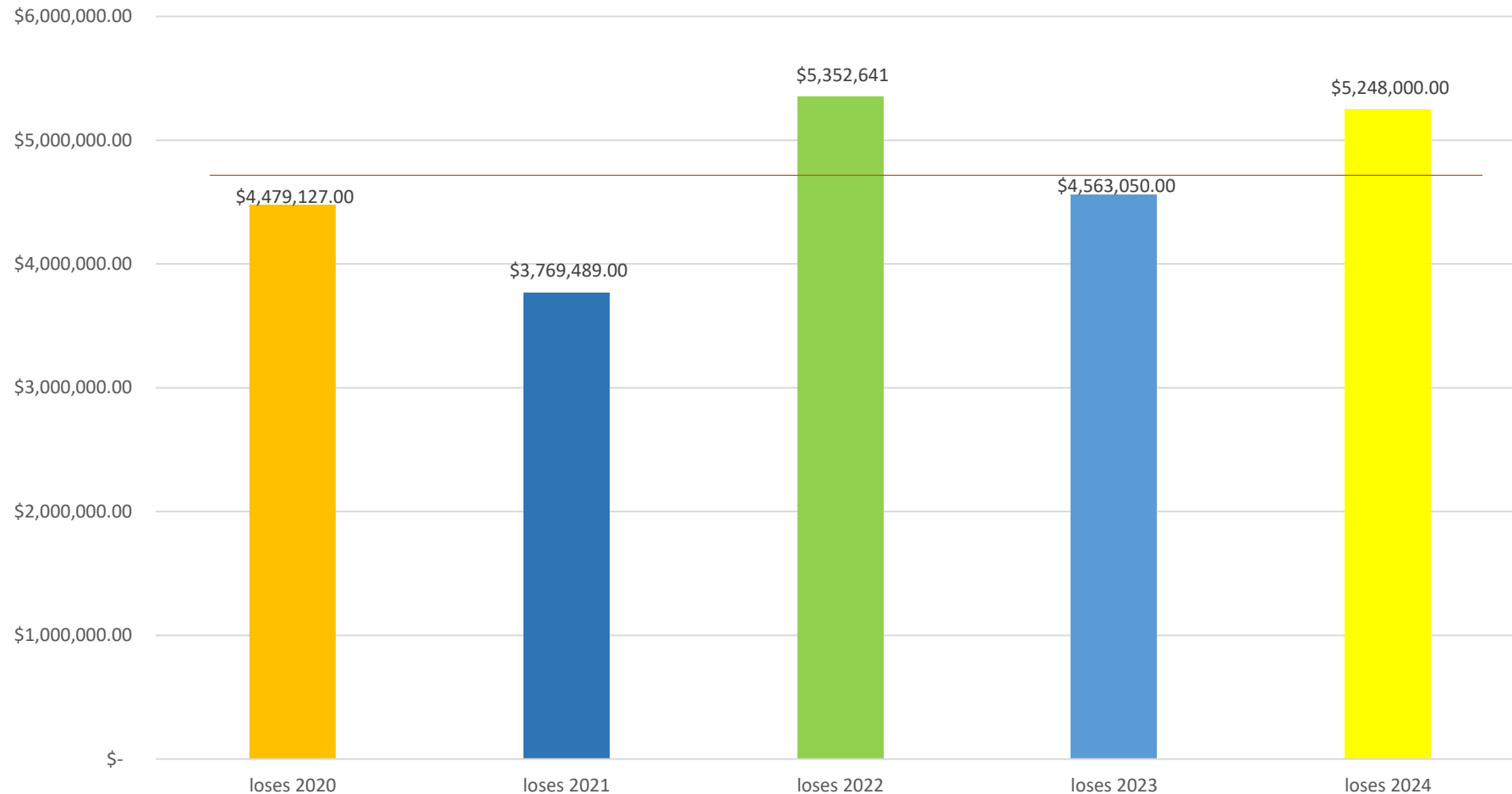
Month	2020	2021	2022	2023	2024	5 years	%
January	0	4	3	3	3	13	4%
February	6	6	5	8	3	22	6%
March	6	6	6	2	4	18	5%
April	4	4	7	3	5	19	5%
May	1	4	5	9	8	26	7%
June	8	9	13	12	4	38	10%
July	8	13	5	4	18	40	11%
August	10	4	9	6	9	28	8%
September	10	3	4	10	14	31	8%
October	4	5	4	4	16	29	8%
November	2	4	6	3	12	25	7%
December	8	6	1	2	5	14	4%
TOTAL	67	68	68	66	101	370	100%

* The cells in pink indicate more than 7 fires / month



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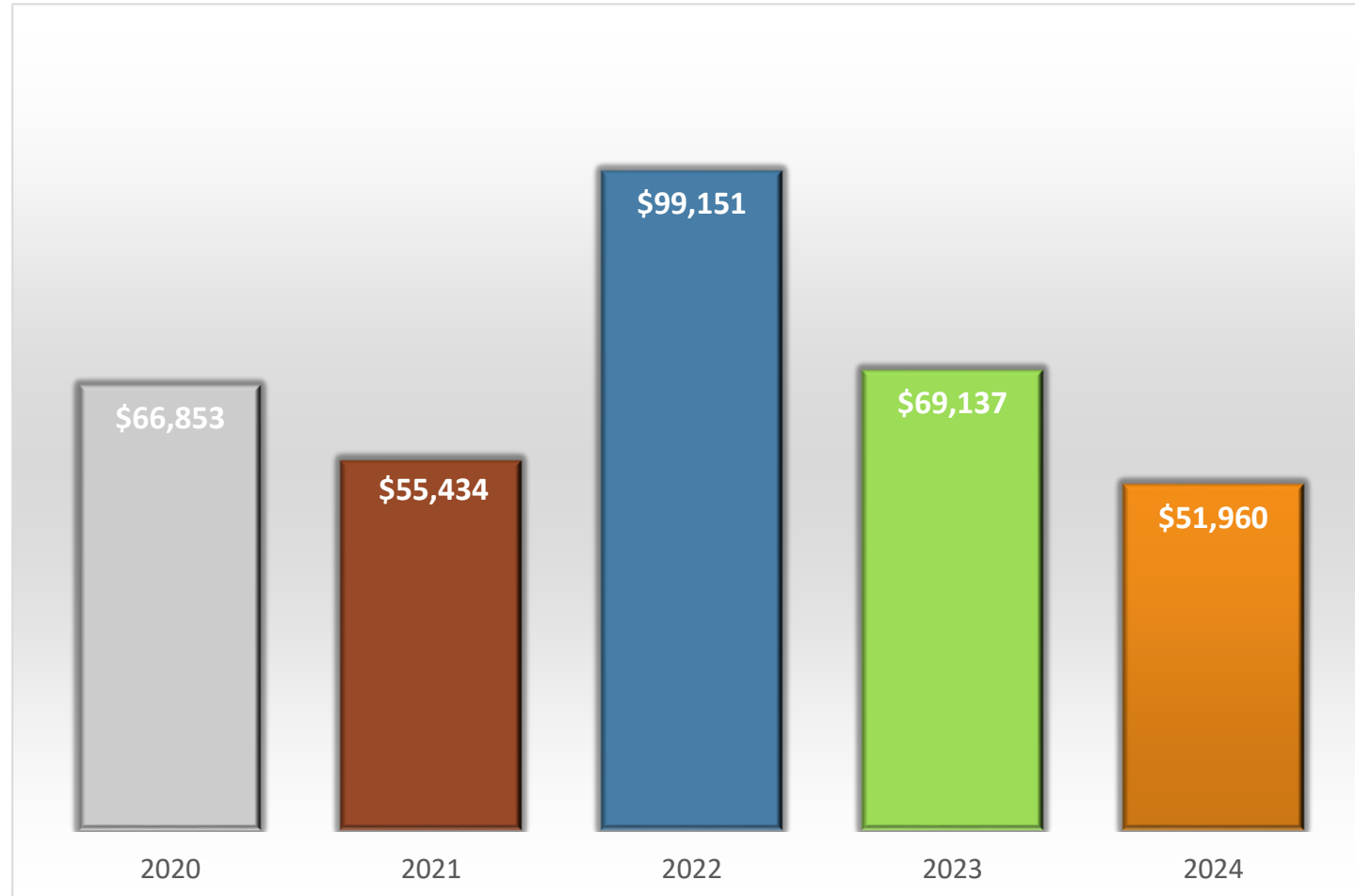
TOTAL ESTIMATED MATERIAL LOSS





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AVERAGE MATERIAL LOSSES PER FIRE





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TOTAL LOSSES OVER 5 YEARS

Northern Villages	2019	2020	2021	2022	2023	2024	Total losses over the 5 years	
Kuujuaraapik	\$684,333	\$476,500	\$135,200	\$1,538,300	\$1,000	\$4,000	\$2,155,000	9%
Umiujaq	\$2,075	\$100	-	-	-	-	\$100	0%
Inukjuak	\$1,466,100	\$1,164,350	\$911,509	\$1,419,001	\$1,927,700	-	\$5,422,560	22%
Kangiqaualujjuaq	\$1,600	\$12,200	\$71,000	-	\$2,085,850	\$700,000	\$2,869,050	11%
Kuujuuaq	\$2,058,250	\$19,500	\$165,500	\$115,600	\$188,000	\$1,126,500	\$1,615,100	6%
Tasiujaq	\$1,500	-	-	\$2,500	\$20,000	\$1,200,000	\$1,222,500	5%
Aupaluk	\$20,000	-	\$200	-	-	-	\$200	0%
Kangirsuk	\$8,019,000	\$125	\$759,030	\$300,090	\$33,000	\$15,000	\$1,107,245	4%
Quaqtaq	\$210	\$6,500	-	-	-	-	\$6,500	0.03%
Puvirnituk	\$2,826,500	\$1,070,240	\$350,150	\$1,390,000	\$300,000	\$80,000	\$3,190,390	13%
Akulivik	\$0	\$1,091,000	\$598,000	-	-	-	\$1,689,000	7%
Kangiqaqsujaq	\$26,500	\$5,002	\$8,000	\$1,504,000	-	-	\$1,517,002	6%
Salluit	\$385,500	\$632,500	\$70,400	\$671,050	\$7,500	\$2,122,500	\$3,503,950	14%
Ivujivik	\$200	\$1,110	\$700,500	-	-	-	\$701,610	3%
Nunavik	\$15,491,768	\$4,479,127	\$3,769,489	\$6,940,541	\$4,563,050	\$5,248,000	\$25,000,207	100%



Nunavik Fire Statistics 2024

- Efficient responses to a fire can considerably reduce losses.
- The total losses have significantly decreased for this year:
 - The significant loss occurred in Tasiujaq in a gathering establishment
 - Salluit's total losses were residential (strike force and response time were efficient)
 - Kuujjuaq's main losses were residential as well (strike force and response time were efficient, however the time it took to call in the fire department, damages was already extensive)



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Building value update after analysis

Type of dwelling	Old Value	Value after analysis 2024
Shack	11,600 \$	25,000 \$
Single dwelling (3 bedrooms)	617,000 \$	1,360,000 \$
Single dwelling (5 bedrooms)	695,000\$	1,776,000\$
Duplex (2 bedrooms)	1,100,000 \$	2,344,500 \$
Four plex (2 bedrooms)	1,956,000 \$	2,564,688 \$



Nunavik Fire Statistics 2024

STRIKE-FORCE

- Strike-force is defined by the number of firefighters that responded to a fire call and are available to make the first attack.
- The NFSCP advises that the first attack be done within **15 minutes**.
- In Nunavik a strike-force should be a minimum of **4 firefighters** responding within **15 minutes**, (with the exception of Kuujjuaq, a minimum of **8 firefighters** within **15 minutes**).



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STRIKE-FORCE

- 5 communities successfully reach their strike-force (Kuujjuaq, Kuujuaraapik, Salluit, Kangiqsujaq and Kangiqsualujjuaq)
- 3 communities had a sufficient response time but not compliant to the requirement of 4 firefighters on-site (Tasiujaq, Kangirsuk and Quaqlaq).
- 2 communities had insufficient information on their reports to determine if the strike-force was met (Puvirnituaq and Ivujjivik)
- 4 communities did not provide fire data (Akulivik, Umiujaq, Inukjuak and Aupaluk)
- Response-time is efficient.
- Efforts should be made on Firefighters availability, retention, recruitment, training.



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Nunavik residents affected in fire responses	
People Evacuated	20
People Rescued	1
People Injured	6
People Deceased	0

A total of **27** people were involved in the **101** Fire Responses in 2024



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MAIN USE OF BUILDINGS INVOLVED IN A FIRE

Usage	Number of Reports	%
Residential	52	51%
Outside (tundra, shacks, vehicles)	34	34%
Storage	6	6%
Commercial	6	6%
Gathering establishment	3	3%



Nunavik Fire Statistics 2024

MOST COMMON SOURCES OF IGNITION

Heat Sources	Fire Report	%
Match, lighter	31	30%
Smokers' supplies	15	15%
Other source of heat (tundra, bushes)	14	14%
Cooking apparatus	12	12%
Electric apparatus	11	11%
Central Heating / furnace	6	6%
Undetermined	4	4%
Vehicle	4	4%
Other appliance or equipment	2	2%
Commercial & industrial machinery and equipment	1	1%
Portable space heater (heater, salamander, with or without fan)	1	1%



Nunavik Fire Statistics 2024

MOST COMMON CAUSE OF FIRE

Cause	Count of Reports	%
Human Error	53	53%
Undetermined	18	18%
Electric or mechanic failure	17	17%
Innapropriate use of an ignition source	10	10%
Suspicious	3	2%

A total of 18 undetermined fire causes due to insufficient information on the fire reports



Nunavik Fire Statistics 2024

NUNAVIK MAJOR LOSSES - Top 10

Northern Village	Occupancy	Owner	Total losses
Tasiujaq	Arena	NV	\$1,200,000.00
Salluit	Residential	KMHB	\$722,000.00
Salluit	Residential	KMHB	\$700,000.00
Kuujjuaq	Residential	KMHB	\$700,000.00
Salluit	Residential	KMHB	\$700,000.00
Kangiqsualujjuaq	Residential	KMHB	\$700,000.00
Kuujjuaq	Garage	KRG	\$412,500.00
Puvirnituaq	Residential	KMHB	\$80,000.00
Kangirsuk	Commercial	NV	\$10,000.00
Kangirsuk	Commercial	NV	\$5,000.00



Nunavik Fire Statistics 2024

NUNAVIK POLICE SERVICE INVESTIGATIONS

Principal Causes	Number of reports	%
Arson/suspicious origin	13	76%
Human Error	3	18%
Undetermined causes	1	6%
Total	17	100%

17 files, (+/-) 17% of all fires in 2024



Nunavik Fire Statistics 2024

NPS FILES - TOP 10 LOSSES

Northern Village	Occupancy	Owner	Total losses
Salluit	Residential	KMHB	\$722,000.00
Salluit	Residential	KMHB	\$700,000.00
Kangiqsualujjuaq	Residential	KMHB	\$700,000.00
Kuujjuaq	Residential	KMHB	\$700,000.00
Salluit	Residential	KMHB	\$700,000.00
Kuujjuaq	Garage	KRG	\$412,500.00
Puvirnituaq	Residential	KMHB	\$80,000.00
Kuujjuaq	Residential	KMHB	\$3,000.00
Kuujjuaq	Residential	KMHB	\$2,000.00
Kuujjuaq	Residential	KMHB	\$1,000.00



Nunavik Fire Statistics 2024



FIRE PREVENTION - 2024

➤ Fire Prevention Orientations

- Awareness, education and impact of suspicious fires
- Fire prevention in the kitchen and at home
- Presentation of new educational material for children.

➤ Collaboration with

- Public security department for suspicious fire.
- Partner with KI to develop educational activities on fire prevention in primary and high school.
- Pivallianiq for fire prevention awareness during residential visits.
- Daycares to implement fire safety plans, increase fire drills and fire prevention activities.

➤ Work with local Fire Departments to;

- Improve reporting to Civil Security on all training, maintenance, fire and emergency responses.
- Increase Residential Visits.
- Implement pre-incident planning for high-risk buildings and promote fire safety plans.



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Nakurmiik!