TMC Monthly Operational Summary

Bureau of Transportation Systems Management & Operations (TSMO)

NH Department of Transportation's Mission

Transportation excellence enhancing the quality of life in New Hampshire.

Transportation Management Center's Mission

The Transportation Management Center's mission is to detect, verify, and respond to incidents that affect the state transportation network. It serves to improve traffic operations, provide the public with current, accurate and useful travel and commuter information that promotes safe and efficient travel, as well as facilitates the maintenance of New Hampshire's transportation system.

New Hampshire Transportation Management Center Coverage Areas by District

The State of New Hampshire is divided into six Districts and the New Hampshire Turnpike System comprising of approximately 9,266 lane miles.
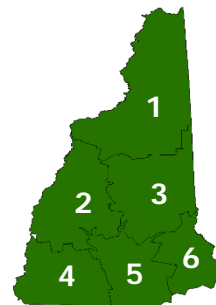
Permanent ITS Equipment List

Closed-Circuit Television (CCTV) Cameras	2021 Total	2022 Total
CCTV cameras are used to pinpoint and monitor traffic events so that information can be disseminated quickly and accurately.	143	144

Dynamic Message Signs (DMS)		
DMS aid in sending messages to motorists to inform them of traffic events that may be impacting their route ahead.	57 16[1] 20[2]	57 16[1] 20[2]

[1] Additional DMS that TSMO uses during the winter season.
[2] TSMO is responsible for an additional ~20 DMS for the department.

Road Weather Information System (RWIS)		
A RWIS collects and displays data from a network of pavement and atmospheric sensors to provide site-specific weather and pavement surface condition information.	37	38

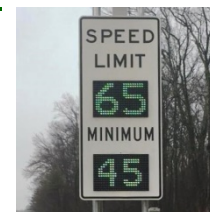| Variable Speed Limit Sign (VSL)		
VSL are speed limits that change based on road, traffic, and weather conditions.	23	21

Motor Vehicle Detection System (MVDS)		
MVDS are sensors that collect speed and volume data.	39	39

Summary

	Current Month	2022 Total

Unplanned Incidents

Total Unplanned Incidents

	Current Month	2022 Total
Operators log information about each unplanned incident including date/time, location, traffic impact, and duration.	132	442

Planned Incidents

Total Planned Incidents

	Current Month	2022 Total
Operators log information about each planned incident including date/time, location, traffic impact, and duration.	141	300

Communication

Total Calls

|	Current Month	2022 Total
Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.	3,846	11,946

Work Zones Communication

Total Construction Calls

	Current Month	2022 Total
Construction related activities or communication that's outside of planned incidents.	912	2,358

DMS Messages

Total Messages

	Current Month	2022 Total
All changes to DMS are logged and reviewed.	10,204	29,622

Public Outreach

Total NHTMC.com Webpage Users

	Current Month	2022 Total
Operators use Twitter and nhtmc.com to inform motorists about traffic events and other road related information.	1,180	4,102

Storm Desk Activations

Total Storm Desk Activations

	Current Month	2022 Total
The TSMO Storm Desk is activated during storm events. The Storm Desk is utilized as a single point of contact to stakeholders.	0	6

Unplanned Incidents
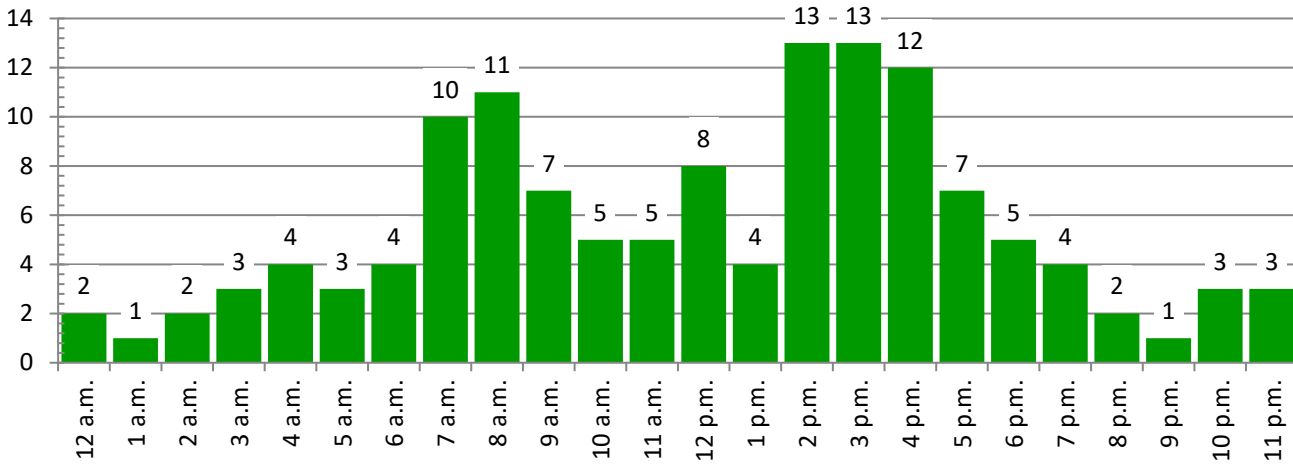
Increased staffing within the TMC is necessary during normal business hours to better facilitate daily operations while also managing unplanned incidents. Incidents are tracked by the time at which the operators are notified of the start of the event.
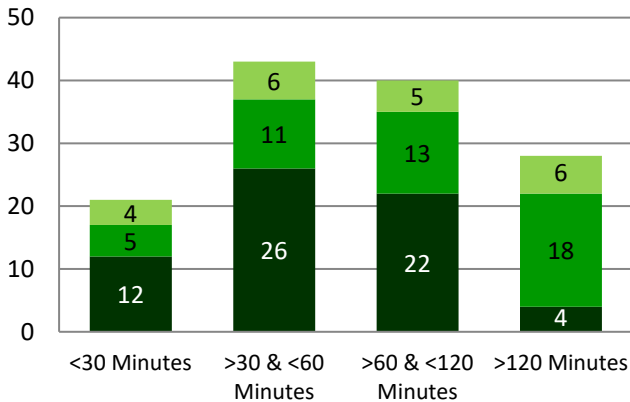
Current Month - Incidents by Type

51, 39%
4, 3%
77, 58%

■ No Closure   ■ Partial Closure   ■ Full Closure
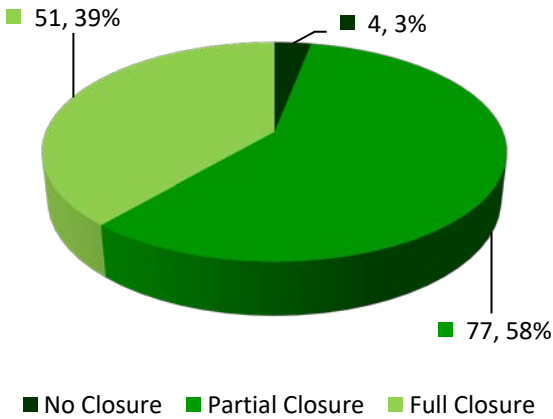
This graph shows the type of incident totals for the month.

Types of Incidents:
No Closure: No lane closures occurred during the incident.
Partial Closure: Only a part of the roadway was closed.
Full Closure: All lanes were closed during the incident.

Current Month - Incident Duration

This graph shows the duration history of incidents.

Current Month - Incident by Road

This graph shows which type of roadway the incidents occurred on.

■ Unnumbered State Routes   ■ NH Routes   ■ Interstates
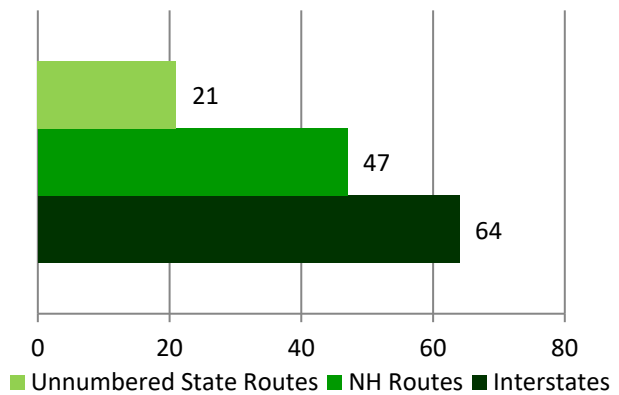
Planned Events

Additional staffing within the TMC is necessary during peak hours to meet the demands of daily planned operations. Planned Events are tracked by the time at which the operators are notified of the start of the event.

Current Month - Incidents by Type

- 76, 54%
- 60, 43%
- 5, 3%

■ Construction (Partial Closure) ■ Construction (Full Closure)
■ Bridge Maintenance (Partial Closure) ■ Bridge Maintenance (Full Closure)
■ Road Maintenance (Partial Closure) ■ Road Maintenance (Full Closure)
■ Other

This graph shows the type of incident totals for the month.

Planned Events that impact the roadway, shoulder, or a ramp include events such as construction, bridge maintenance, or road maintenance. Each type could result in a partial closure or full closure.
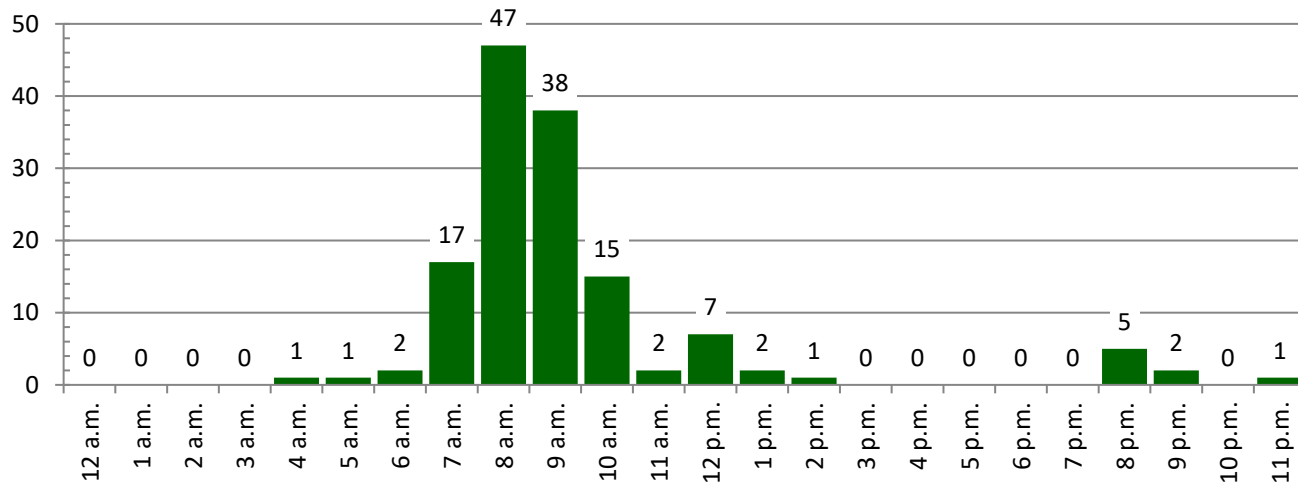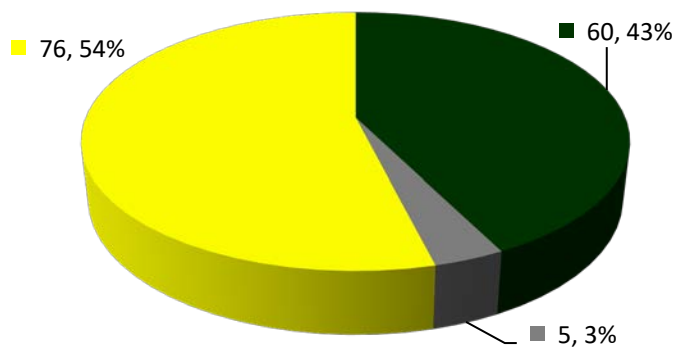
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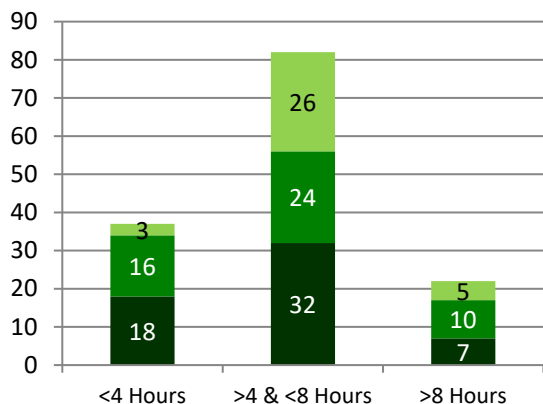
Communication

Current Month - Calls by Type

Dispatchers receive different types of calls throughout the day. They log the type of call and review this information monthly.

Pie chart legend and values:
- 334, 9%
- 308, 8%
- 4, 0%
- 2436, 63%
- 710, 19%
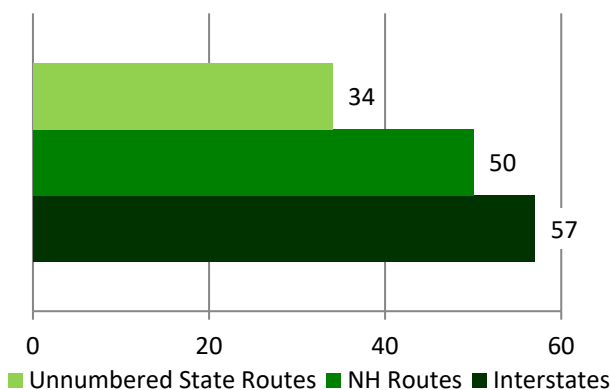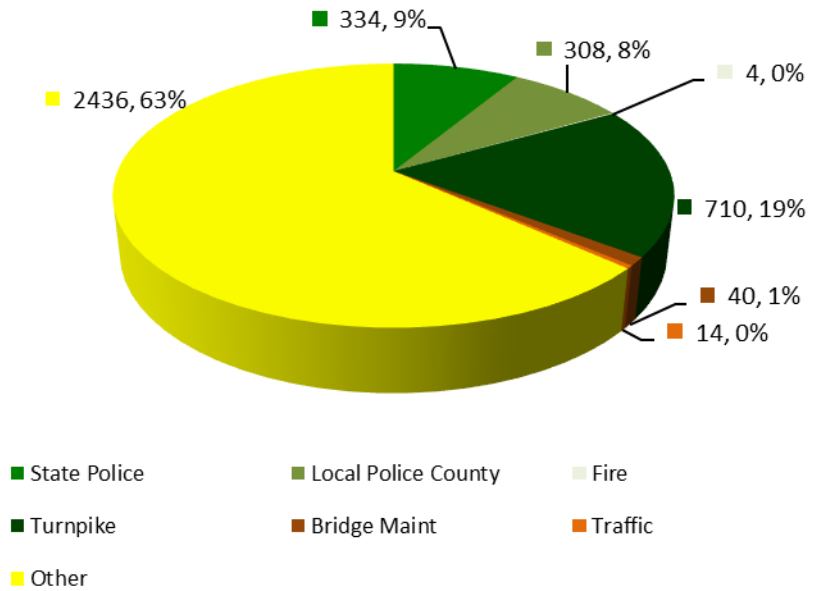- 40, 1%
- 14, 0%

- State Police
- Local Police County
- Fire
- Turnpike
- Bridge Maint
- Traffic
- Other

Log Entries by Type

This graph shows the amount of log entries by type that TMC Operators have entered into the Compass ATMS for the current month.

Type	Count
10-01 - Sign On	1859
10-02 - Sign Off	1326
10-13 - Disabled Vehicle	212
10-16 - Abandoned Vehicle	8
10-25 - Crash	50
10-26 - Fatality	0
10-30 - Obstruction	284
10-48 - Fire	1
10-49 - Flooding	2
10-86 - Weather	415
Alarm	4
Bridge Lift	12
Call Out	68
Checklist	27
Closure-Full	57
Closure-Partial	226
Complaint	10
Congestion	3
Dam Test	0
Dead Animal	36
DOT Involved Accident	16
Driving Condition	273
Environmental Alert	0
Equipment Issue	16
Injury/Fatality	1
Inquiry	32
ITS Device	37
Leave	4
OS/OW	1
Other	67
Radio Check	10
Security Check	1
Sign	112
Signal	50
TSMO Daily Function	11

Work Zone Communication

Current Month – Construction Calls

This graph shows the different types of construction related calls that dispatchers received.

- 456, 50%
- 362, 40%
- 94, 10%

Legend: Partial Closure · Full Closure · Terminated Event
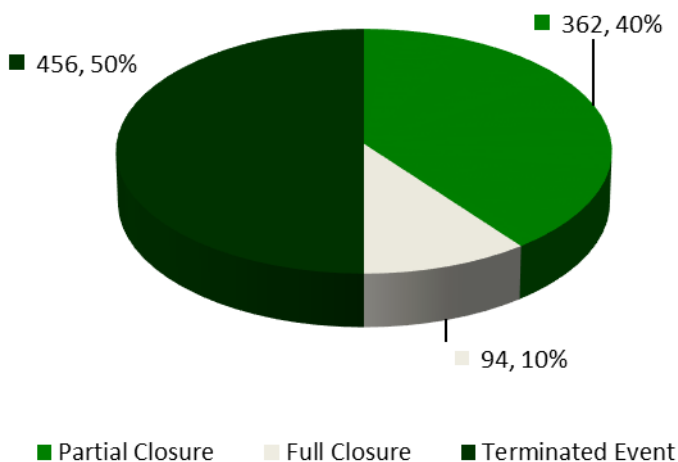
Incidents Occurring in Work Zones

This graph shows the total number of incidents reported on Work Zone Crash Reports from the Bureau of Construction.
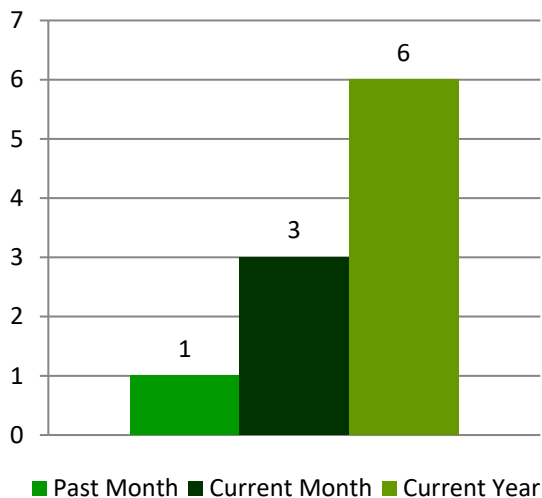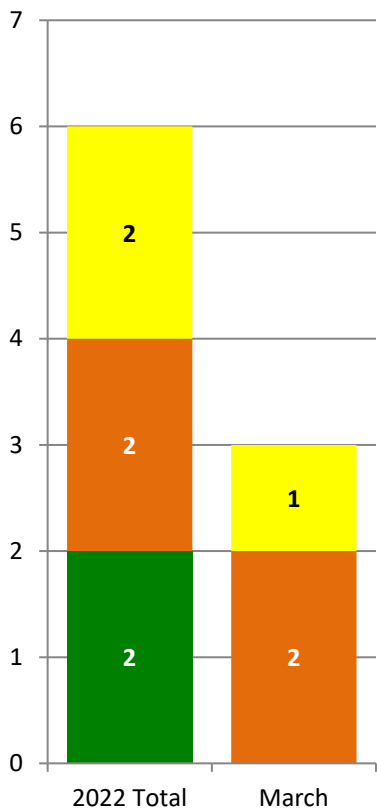
	Past Month	Current Month	Current Year
Incidents	1	3	6

Incidents Occurring in Work Zones by Location

The graph to the left shows the incidents occurring in work zones by district for the current month and for the current year.

The map to the right shows the current year total for incidents occurring in work zones by district.

Bar chart (Incidents by Location):
- 2022 Total: District 5 = 2, District 3 = 2, District 1 = 2
- March: District 2 = 2, District 1 = 1
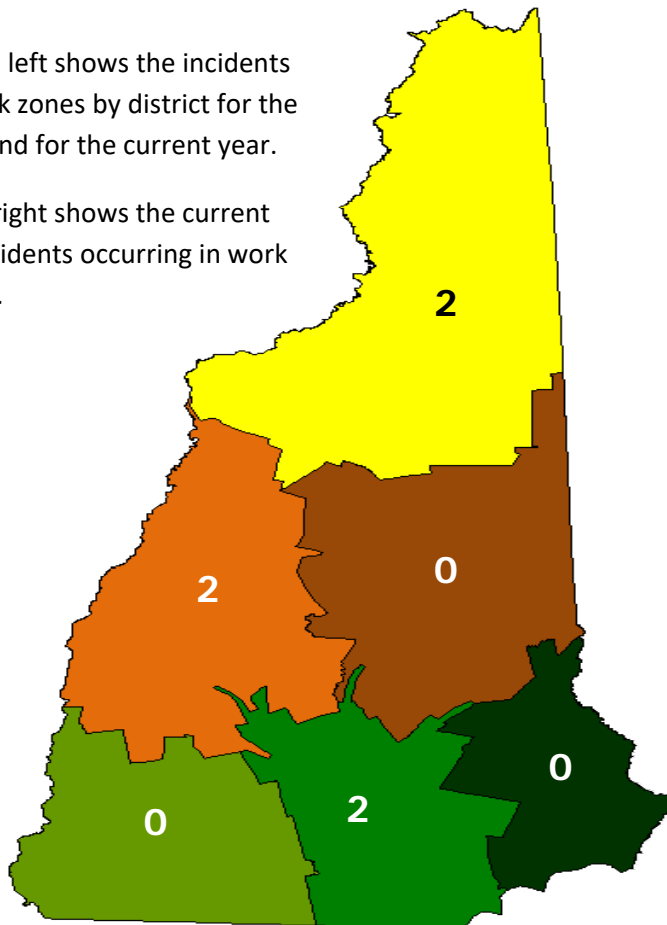
Legend: District 6 · District 5 · District 4 · District 3 · District 2 · District 1

Map values: District 1 = 2, District 3 = 0, District 2 = 2, District 4 = 0, District 5 = 2, District 6 = 0

DMS Messages

Current Month - Messages by Type

- 2,035, 20%
- 170, 2%
- 1,816, 18%
- 119, 1%
- 107, 1%
- 595, 6%
- 225, 2%
- 5,137, 50%

■ Weather	■ Incidents	
■ Construction	■ PSA	
■ Congestion	■ Travel Time	
■ Variable Speed Limit	■ Other	
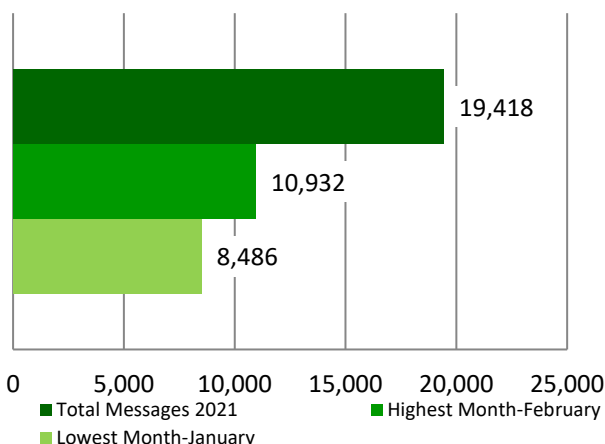
This graph shows the type of message that were relayed to the public by being displayed on the DMS.

Total Messages - 2022

- 19,418
- 10,932
- 8,486

0   5,000   10,000   15,000   20,000   25,000

■ Total Messages 2021   ■ Highest Month-February
■ Lowest Month-January

This graph shows the total messages that were posted to DMS for the year so far.

Current Month - Total Messages Posted by Board

Board	Count	Board	Count	Board	Count
101 E 52.8 FSV5	63	93 NM 3.8 VSL D5	13	95N 3.0 FSDT	151
101E 102 PSP5	29	93 NM 6.6 VSL D5	16	95S 15.4 FSDT	171
101E 114.8 FSV6	133	93 S 2.2 VSL D 5	14	95S 3.4 FSPT	49
101W 102.6 FSV5	50	93 S 22.6 PSVT - SWZ - M06	70	95S 7.6 FSDT	175
101W 115 PSP5	30	93 S 23.3 PSVT - SWZ - M05	55	FEE N 1.2 FSVT	57
101W 128 PSV6	53	93 S 25.1 PSVT - SWZ - M04	49	FEE N 16.2 PSVT	46
16N 35.0 PSV3	34	93 S 25.6 PSVT - SWZ - M03	50	FEE N 18.8 FSVT	45
16S 75.4 FSV3	29	93 S 26.4 PSVT - SWZ - M02	103	FEE N 5.2 PSVT	58
293N 8.8 FSPT	284	93 S 27.4 PSVT - SWZ - M01	84	FEE S 17.8 PSVT	50
293S 1.4 FSD5	86	93 S 31.9 PSVT - SWZ - M07	83	FEE S 3.8 FSDT	59
293S 4.8 FSDT	58	93 S 5.2 VSL D5	13	FEE S 8.6 FSPT	24
393 W 1.9 PSV5	26	93 SM 2.2 VSL D 5	14	ST N 1.0 FSAT	167
4 W 98.9 FSS6	16	93 SM 5.2 VSL D5	13	ST N 19.2 PSVT	53
4E 92.4 FSS6	21	93N 16.0 VSL D5	13	ST N 4.4 FSST	76
4E 98 FSA6	37	93N 16.0 VSL D5 Median	13	ST S 24.4 FSVT	213
89 N 56.8 PSV2 - SWZ - M01	92	93N 23.4 FSD5	331	ST S 3.4 FSDT	1,663
89 N 57.2 PSV2 - SWZ - M02	56	93N 32.9 FSST	44	ST S 34.4 PSVT	47
89 N 59.8 PSV2 - SWZ - M03	50	93N 36.2 FSVT	55	ST S 7.8 FSAT	1,458
89 S 58.7 PSV2 - SWV - M07	56	93N 43.8 PSP5	32	WA W 0.5 FSST	22
89 S VT 0.9 PSV VT - SWZ - M05	65	93N 57.6 FSS3	50		
89N 1.8 FSV5	70	93N 76.4 FSV3	47		
89N 18.4 FSS5	64	93N 82.6 FSV3	46		
89N 28.8 PSV2	23	93N 99.6 FSA3	63		
89N 35.5 FSV2	69	93S 117.6 FSA1	26		
89N 43.8 PSV2	55	93S 122.2 FSV1	30		
89N 49.0 PSV2	23	93S 14.4 VSL D5	4		
89N 54.9 FSS2	36	93S 14.4 VSL D5 Median	3		
89S 10.8 FSV5	78	93S 23.4 FSD5	184		
89S 3.4 FSV5	444	93S 27.8 FSDT	348		
89S 31.4 PSP5	56	93S 32.4 FSVT	60		
89S 42.6 PSV2	22	93S 36.5 FSST	32		
89S 55.0 PSV2	51	93S 39.0 FSV5	86		
89S 57.7 FSS2	39	93S 43.3 PSV5	30		
91 N VT 69.1 PSV VT - SWZ - M06	101	93S 48.0 FSV5	88		
91 S VT 70.6 PSV VT - SWZ - M04	99	93S 57.6 PSP5	32		
93 N 0.5 FSDT	162	93S 68.8 FSV3	54		
93 N 2.35 VSL D 5	14	93S 7.2 FSD5	188		
93 N 3.8 VSL D 5	13	93S 85.4 FSV3	45		
93 N 6.6 VSL D 5	13	95N 0.4 FSVT	153		
93 N 7.5 FSD5	176	95N 13.0 FSVT	37		
93 NM 2.35 VSL D 5	14	95N 14.8 FSDT	59		

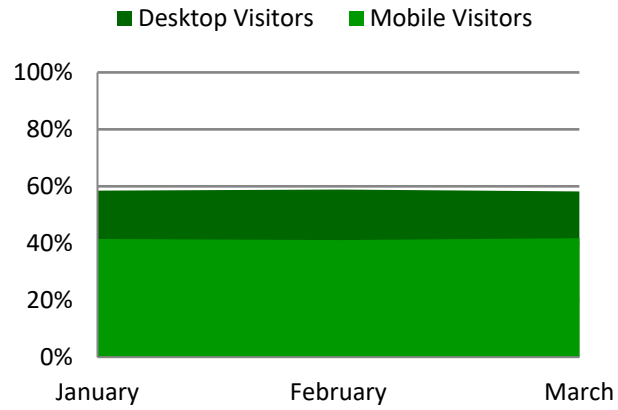# Public Outreach

1,180 Users (Current Month) - NHTMC Website (www.nhtmc.com)

New/Returning Visitors
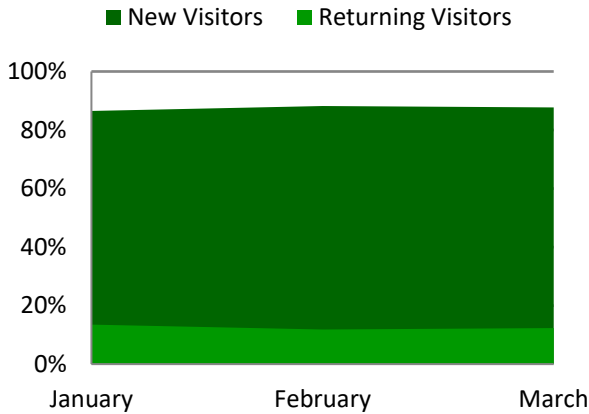
This graph shows the ratio of new/ returning users that visited the NHTMC website. A new visitor is a user accessing the website for the first time. A returning visitor is a user who has accessed the website earlier.

Desktop/Mobile Visitors

This graph shows the ratio of desktop/mobile visitors that accessed the NHTMC website.

43,149 Total Twitter Followers