

LWIN

LOUISIANA WIRELESS
INFORMATION NETWORK

SYSTEM MANAGEMENT & MAINTENANCE UPDATE

NOVEMBER 4, 2020

DEPT. OF PUBLIC SAFETY-STATE POLICE
RADIO COMMUNICATIONS

(225) 925-6036

INFRASTRUCTURE UPDATE



SYSTEM SUMMARY

- **141 Tower Sites in Full Operation**
- **6 Operational Mobile Sites**

Zone 1:

42 Sites in Full Operation

- Pan Am
- Bridge City
- Livonia
- Laplace
- St. Tammany
- Simulcast
 - Lacombe
 - Abita Springs
 - Waldheim
 - Pearl River
 - Covington
 - Slidell
 - Talisheek
 - Blond
- Sheridan
- Geismar
- St. James
- Larose
- Gibson
- BR Simulcast
 - BR
 - Central
 - LSU
 - WBR
- Hammond
- Gray
- Berwick
- Baywood
- Ramah
- Sage Hill
- Parker Road
- Iberville
- Livingston
- Jackson
- Greensburg
- Superdome
- South Baton Rouge
- Baldwin
- Pointe Coupee
- Theriot
- Paincourtville
- Boothville
- Mobile Units
 - 94
 - 96
 - 97
 - 98
 - 99
 - 100
- Denham Springs
- Clinton
- St. George

Zone 2:

15 Sites in Full Operation

- **Northern Simulcast**
 - **Gretna**
 - **Galleria**
- **NO East**
 - **Lafitte**
 - **Bayou Gauche**
 - **Hahnville**
 - **St. Rosalie**
 - **Kenner**
 - **Airport**
 - **Port Fourchon**
- **Reggio**
- **Montegut**
- **Houma**
- **Bourg**
- **Buras**
- **Wilmer**

ZONE 3:

52 SITES IN FULL OPERATION

- **Clearwater**
- **Monroe**
- **Winnfield**
- **Delhi**
- **Chopin**
- **Dry Prong**
- **Hagewood**
- **Bossier(City)**
- **Farmerville**
- **Minden**
- **Natchitoches**
- **Bastrop**
- **Greenwood**
- **Ruston**
- **Hineston**
- **Ashland**
- **Vivian**
- **Newellton**
- **Noble**
- **Transylvania**
- **Alexandria**
- **Avoyelles**
- **Bellevue**
- **Bernice**
- **Calhoun**
- **Columbia**
- **Ferriday**
- **Homer**
- **Jena**
- **Jonesboro**
- **Mansfield**
- **Many**
- **Marion**
- **Oak Grove**
- **Plain Dealing**
- **Ringgold**
- **Sentell**
- **Tallulah**
- **Wheeling**
- **Shreveport**
- **West Monroe**
- **Chase**
- **Keachi**
- **Coushatta**
- **Shongaloo**
- **Sibley**
- **Vick**
- **Calvin**
- **Arcadia**
- **Enterprise**
- **Holloway**
- **Chatham**

ZONE 4:

32 SITES IN FULL OPERATION

- **Abbeville**
- **Acadia**
- **Arsene LeBleu**
- **DeQuincy**
- **Dry Creek**
- **Jeanerette**
- **Jennings**
- **Johnson Bayou**
- **Lafayette**
- **Lake Charles**
- **Leesville**
- **Merryville**
- **Opelousas**
- **Parks**
- **Rockefeller**
- **Rosepine**
- **Scott**
- **Sulphur**
- **Vermillion**
- **Ville Platte**
- **Vinton**
- **Craven**
- **Hicks**
- **Hornbeck**
- **Oakdale**
- **Roseland**
- **E. Jennings**
- **Anacoco**
- **Oberlin**
- **Moss Bluff**
- **New Iberia**
- **Eunice**

CHANNEL SUMMARY

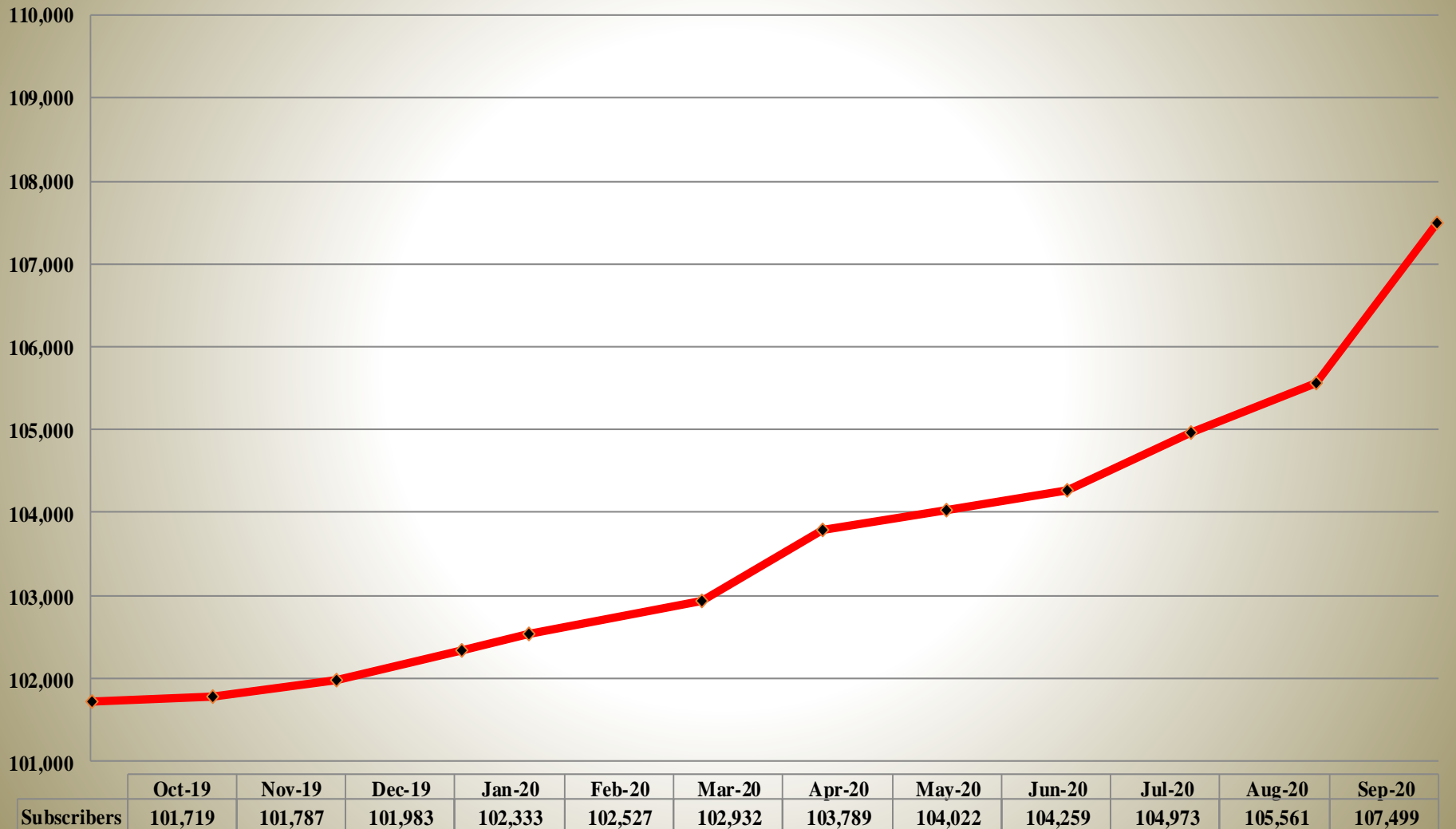
- Total Channels 1293
 - 1242 Channels on 141 Sites
 - 51 Channels on 6 Mobile Sites



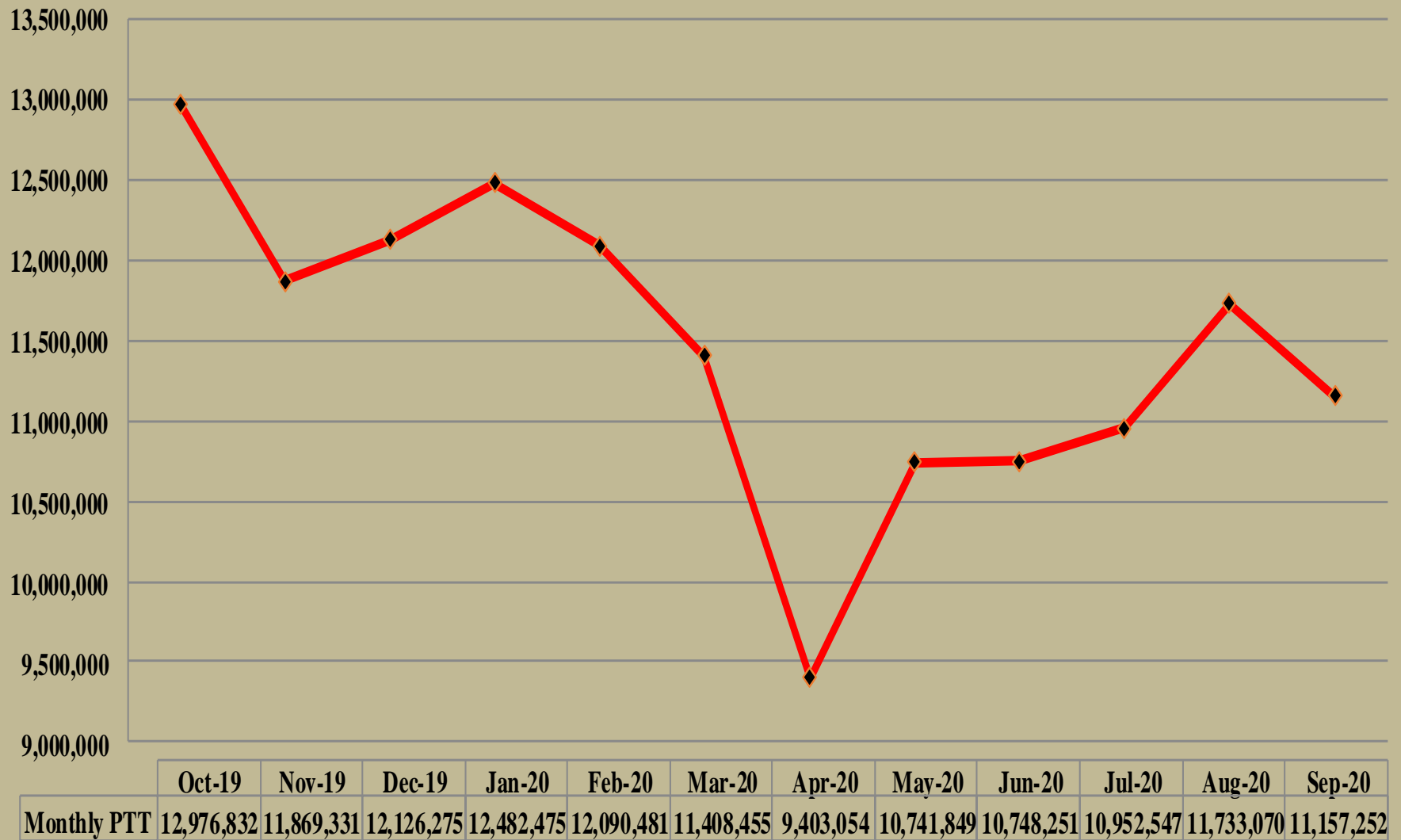
SYSTEM STATISTICS



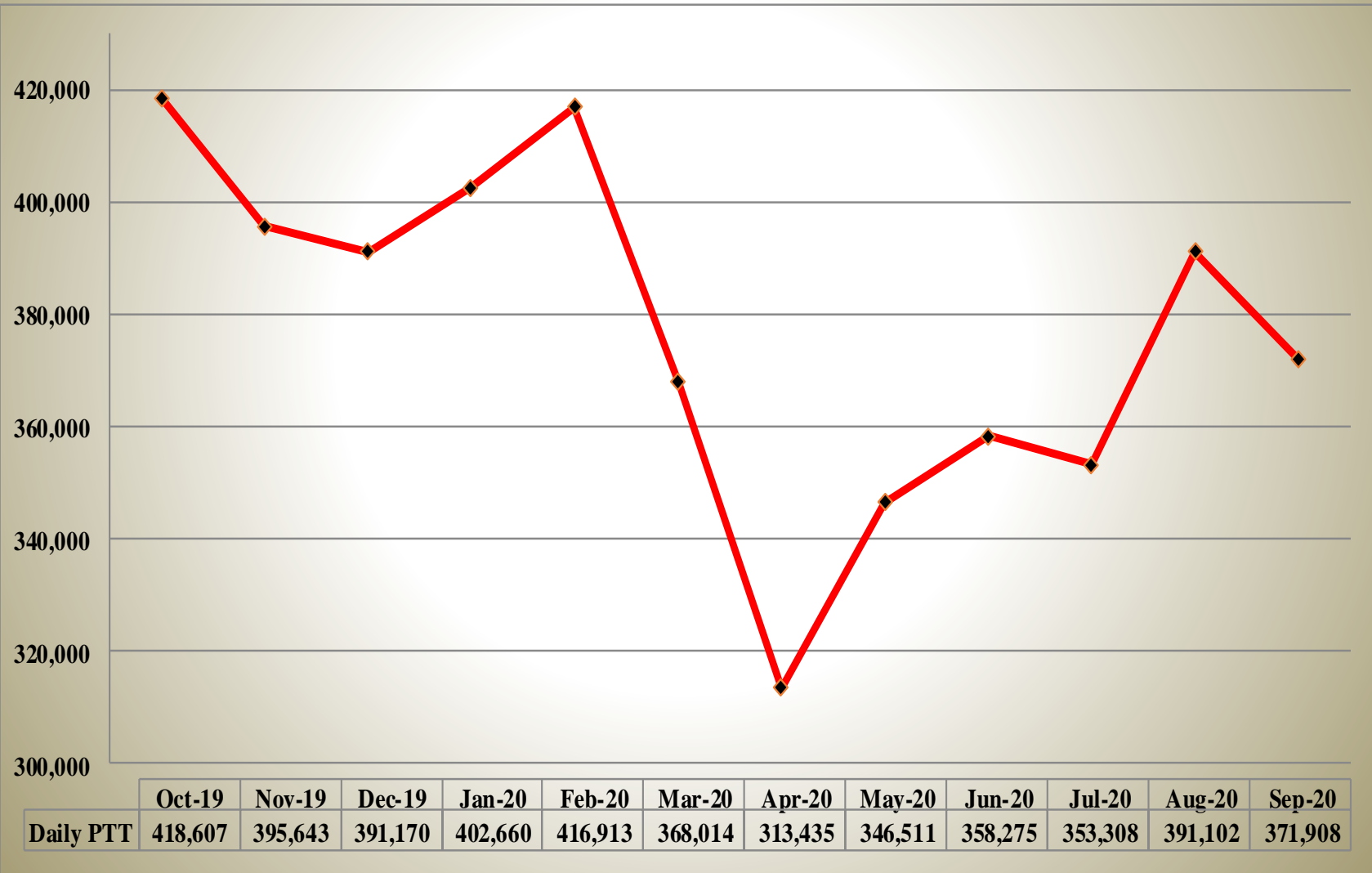
SUBSCRIBERS



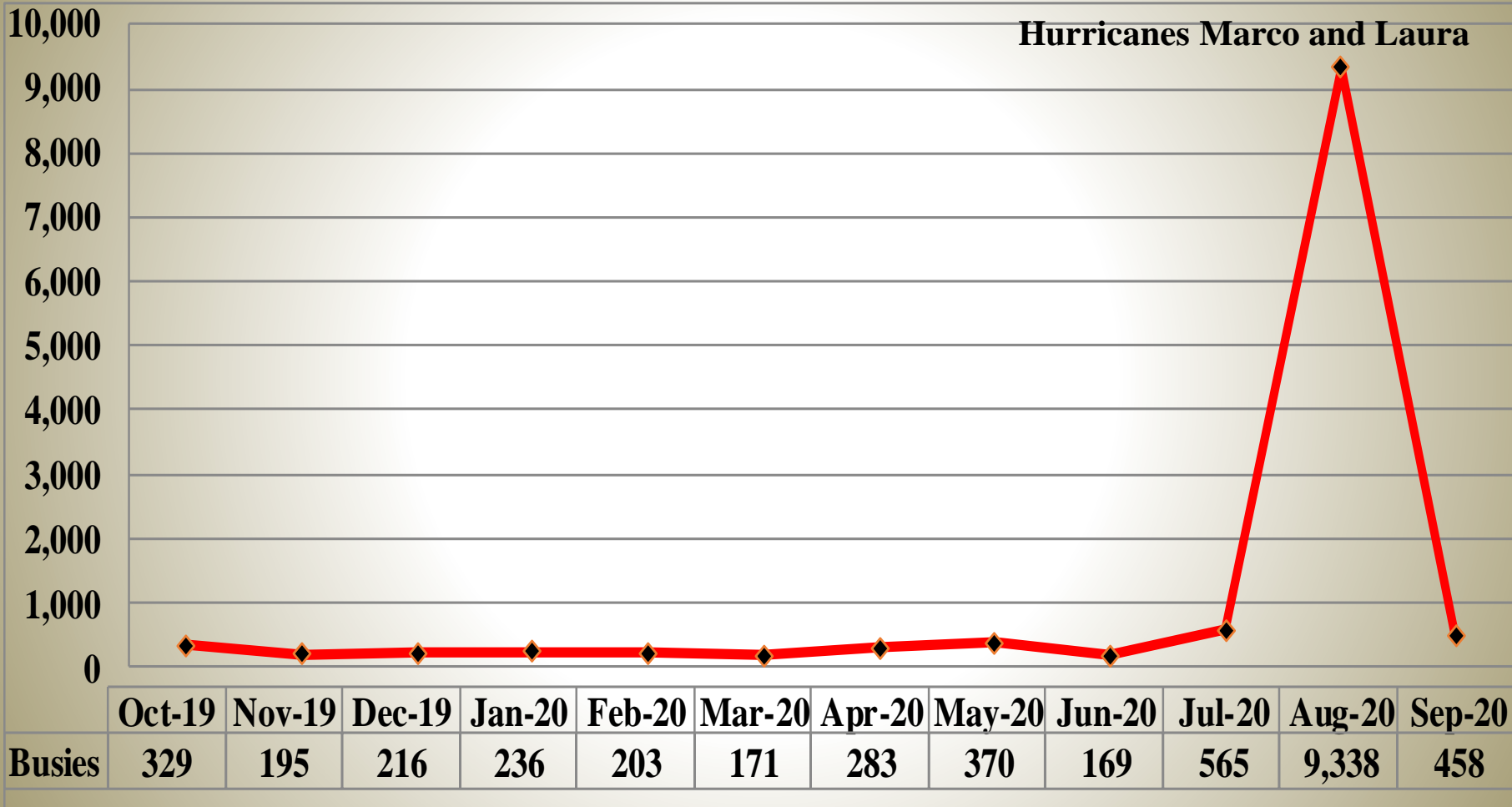
PUSH TO TALK



PUSH TO TALK PER DAY



BUSIES



Top Sites Voice Busy



- | | |
|---------------|-------|
| 1. Jonesboro | 1,171 |
| 2. Trailer-97 | 684 |
| 3. Ashland | 626 |



- | | |
|------------|-----|
| 4. Chatham | 475 |
| 5. Marion | 394 |
| 6. Arcadia | 382 |



- | | |
|----------------|-----|
| 7. Farmerville | 275 |
| 8. Bernice | 185 |
| 9. Calhoun | 123 |

SITE OUTAGES

Abbeville	Boothville	Columbia	Enterprise	Holloway	Johnson Bayou	Many
Ashland	Bossier City	Coushatta	Farmerville	Homer	Keachi	Marion
Avoyelles	Bourg	Cravens	Ferriday	Hornbeck	Lake Charles	Merryville
Bayou Gauche	Bridge City	Delhi	Gibson	Houma	Laplace	Minden
Baywood	Calvin	Denham Springs	Gray	Iberville	Larose	Montegut
Bellevue	Chopin	Dry Creek	Hagewood	Jackson	Leesville	Moss Bluff
Bernice	Clearwater	Dry Prong	Hahnville	Jeanerette	Livonia	Natchitoches
Berwick	Clinton	East Jennings	Hineston	Jennings	Mansfield	Newellton

Total Downtime is 6447 Hours

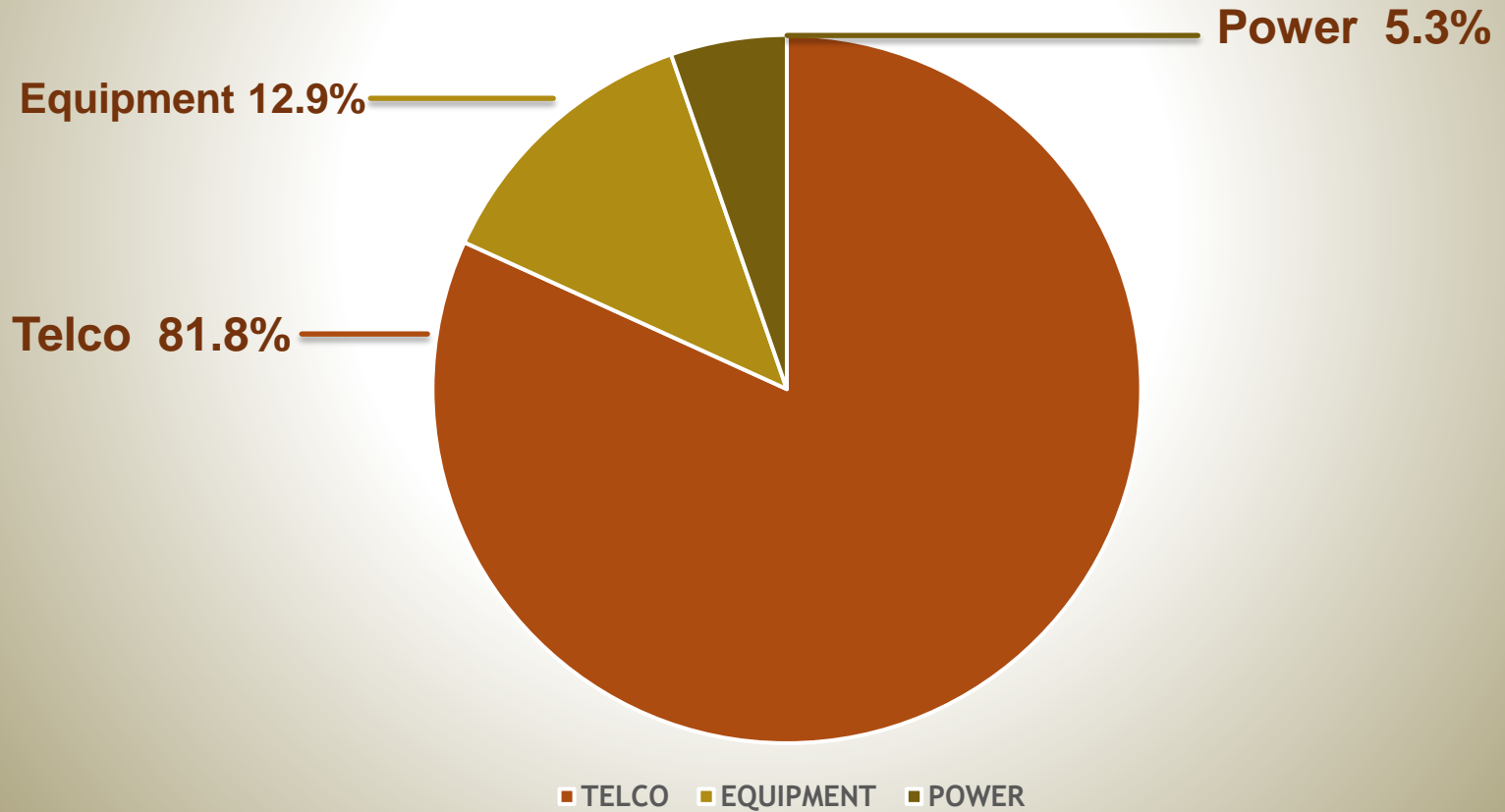
SITE OUTAGES

Noble	Rockefeller	Sibley	Transylvania
		South	
Oberlin	Rosepine	Baton Rouge	Vick
Opelousas	Ruston	Sulphur	Vinton
Paincourtville	Sage Hill	Super Dome	Vivian
Plain Dealing	Scott	Tallulah	West Monroe
Ramah	Sentell	Theriot	Winnfield
Reggio	Shongaloo	Trailer 96	
Ringgold	Shreveport	Trailer 97	

Total Downtime is 6447 Hours

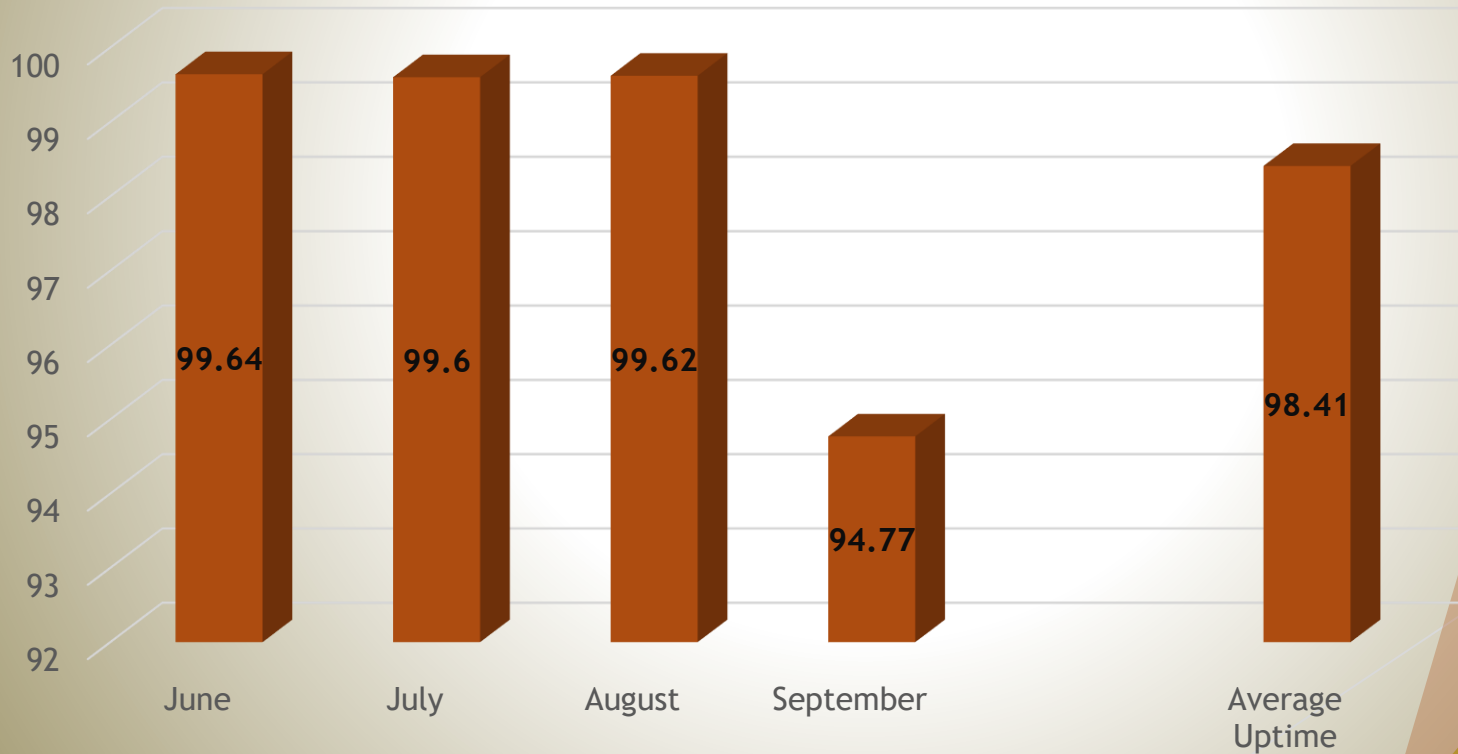
SITE OUTAGE DATA

What were the Issues?



SYSTEM STATISTICS

Percentage of All Sites IN WIDE AREA operations



STORM SITE OUTAGE DATA

Hurricane Marco/Laura

- 31 Total Sites Affected
- Sites Flooded: None
- Lake Charles Tower Site
 - Tower collapsed
 - Temporary 100 foot tower installed
- 4623 Hours of Downtime
- 4 Satellite Flyaway Kits Deployed
- 4 Generator on Wheels Deployed
- Trailer 96 Deployed in Creole
- Trailer 97 Deployed in Lake Charles
- Mobile Command Post Deployed at Troop D
- 924 Man Hours

STORM SITE OUTAGE DATA

Hurricane Delta

- 25 Total Sites Affected
- Sites Flooded: None
- 2111 Hours of Downtime
- 2 Satellite Flyaway Kits Deployed
- 3 Generator on Wheels Deployed
- 101 Man Hours

Hurricane Zeta

- 11 Total Sites Affected
- Sites Flooded: None
- 1665 Hours of Downtime
- 2 Satellite Flyaway Kits Deployed
- 1 Generator on Wheels Deployed
- 47 Man Hours

SUBSCRIBER STATISTICS

SUBSCRIBER STATISTICS



Security Groups

192



Agencies

590



Talkgroups

6305

Agencies Added Last 5 Months



LANG-ED-JOB CHALLENGE PROGRAM

LWIN SYSTEM A2019.2 UPGRADE OVERVIEW

- Zone 1 Upgrade completion date is Thursday, November 5th
- Zone 2 Upgrade completion date is Friday, November 13th
- Zone 3 Upgrade completion date is Friday, October 30th
- Zone 4 Upgrade completion date is Friday, November 13th
- NICE Logger completion date is Friday, December 4th
- System Upgrade completion date is Friday, December 11th

- REMINDER:
 - Bourg and New Iberia Tower Sites will be disconnected from LWIN on November 10, 2020. These site will be in site trunking until the site is upgraded to GTR repeaters and new site controller

LWIN SYSTEM A2019.2 UPGRADE OVERVIEW

Currently the LWIN system is being upgraded from A7.17 to A2019.2 to maintain supportability.

- This upgrade will include operating system, hardware, and feature updates
- The upgrade began on October 26, 2020 and is scheduled to be completed on December 11, 2020

SYSTEM COVERAGE

Present Coverage



Legend: Present Coverage

QUESTIONS?

THANK YOU!