



**Advisory 11 – 3 AM CDT Fri., Aug. 23: Phase 3 activated in 1 hr (39 mph wind possible within 96 hrs)  
Phase 4 reached in 25 hrs – 4AM Saturday (39 mph wind possible within 72 hrs)**

**Trigger Report for Centerpoint Energy, Houston TX – Hurricane Felice Adv. #11**  
Issued: 03:00 AM CDT Friday, August 23, 2024

Current Conditions		Forecast Conditions	
Location	12.4N / 71.4W - 1947 miles ESE	Max Forecast Winds	180 mph gusting 215 mph (Cat 5)
Movement	WNW @ 22 mph	Max Forecast HSI	48 (23 size / 25 intensity)
RPA Status	Positive	Hours to Next Trigger Point 1	
Winds	90 mph gusting 110 mph (Cat 1)	Estimated Next Trigger Point Reached	3 4AM Fri Aug 23
Current HSI	10 (3 size / 7 intensity)		
Current Indicated Phase	2		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX						
Wind Field	Hrs. Until Arrival	Forecast ETA		Worst-Case ETA		Trend
		Arrival Time/Date	Duration	Hrs. Until Arrival	Arrival Time/Date	
39 mph	116	11PM Tue Aug 27	19	97	4AM Tue Aug 27	+4%
58 mph	N/A	N/A	N/A	105	12PM Tue Aug 27	+3%
74 mph	N/A	N/A	N/A	108	3PM Tue Aug 27	+2%
100 mph	N/A	N/A	N/A	111	6PM Tue Aug 27	+0%

Phase	Trigger Parameter		Trigger Reached?	Estimated Hours Remaining and Time
	Response Plan Activator - Positive (RPA+)	Worst-Case Arrival Time/Date		
1			Yes	--
2	Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site		Yes	--
3	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site		No	1 hours - 4AM Fri Aug 23
4	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site		No	25 hours - 4AM Sat Aug 24
5	Forecast of 39 mph wind within 66 hours		No	50 hours - 5AM Sun Aug 25
6	Forecast of 39 mph wind within 60 hours		No	56 hours - 11AM Sun Aug 25
7	Forecast of 39 mph wind within 54 hours		No	62 hours - 5PM Sun Aug 25
8	Forecast of 39 mph wind within 48 hours		No	68 hours - 11PM Sun Aug 25
9	Forecast of 39 mph wind within 36 hours		No	80 hours - 11AM Mon Aug 26
10	Forecast of 39 mph wind within 30 hours		No	86 hours - 5PM Mon Aug 26
11	Forecast of 39 mph wind within 24 hours		No	92 hours - 11PM Mon Aug 26
12	Forecast of 39 mph wind within 18 hours		No	98 hours - 5AM Tue Aug 27
13	Forecast of 39 mph wind within 6 hours		No	110 hours - 5PM Tue Aug 27
14	Sustained wind falls below 39 mph - Recovery Begins		No	135 hours - 6PM Wed Aug 28

## Key Points From Advisory 11

### 3 AM Fri., Aug. 23



- Hurricane Felice to impact Texas as Category 3 hurricane early next Wednesday
- 39+ mph wind now predicted for much of CenterPoint's service area next Tuesday night/Wednesday
- Current Status: **Phase 3 – 39 mph wind possible within 96 hrs (in 1 hour)**
- Next Trigger: **Phase 4 (arrival of 39 mph wind within 72 hrs) predicted for 25 hours (4AM Saturday)**

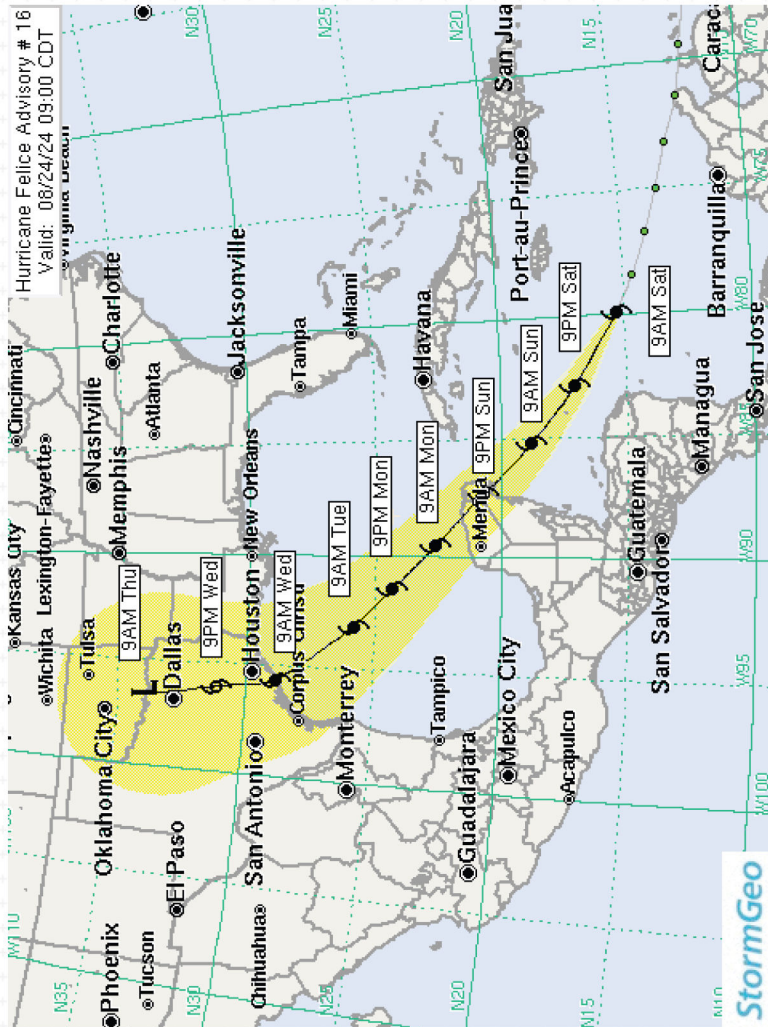


# Post-Advisory Discussion

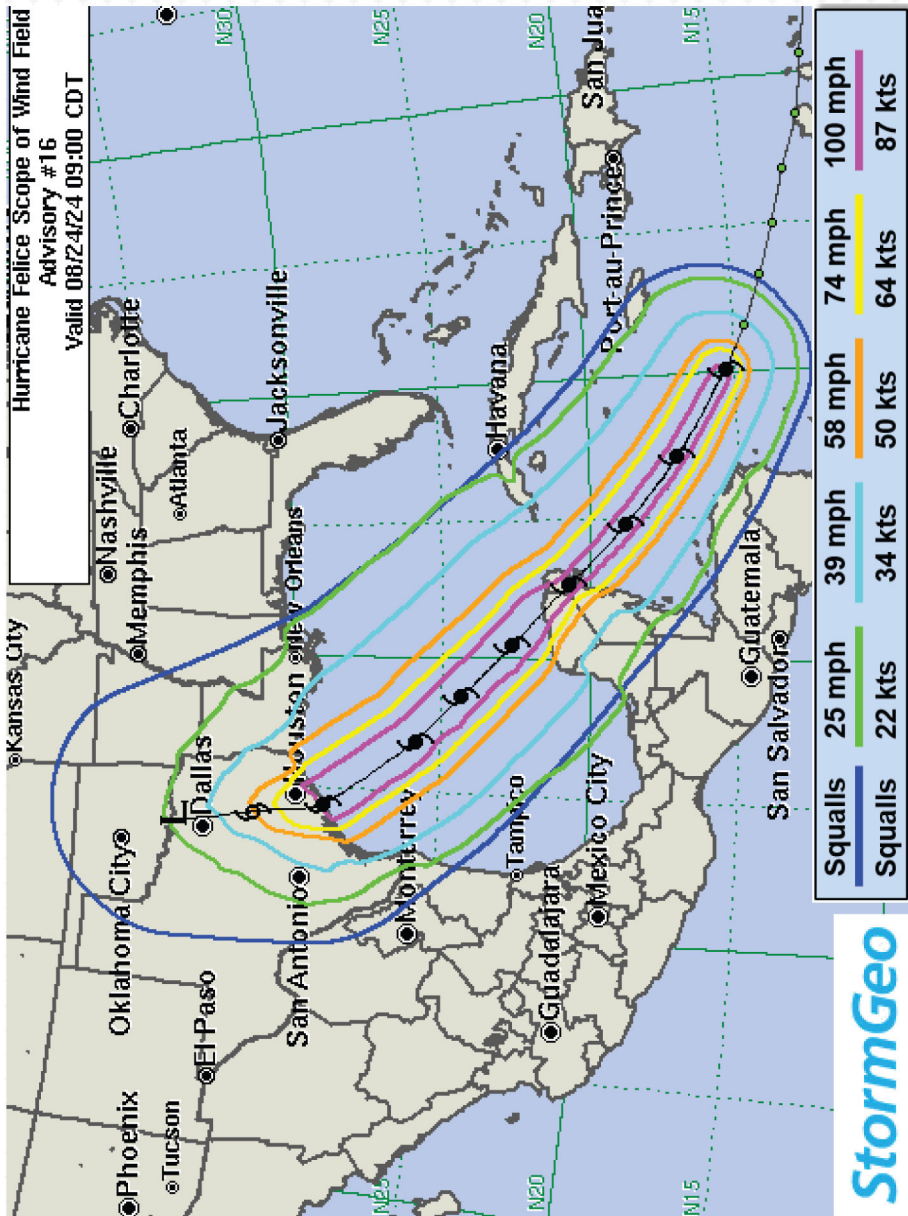
**Advisory 16 – 9 AM CDT Sat., Aug. 24:** Hurricane Felice predicted to make landfall near Freeport around 9AM Wednesday as a Category 3 hurricane with wind 120 mph gusting 145 mph.

**Hurricane Felice**

Current Location	15.3N, 79.9W				
Geographic Reference	575 miles SE of Cozumel				
Movement	West-northwest at 20 mph				
Max Winds	145 mph gusting to 175 mph				
Current Hurricane Severity Index	28 out of a possible 50 points (11 size, 17 intensity)				
Max. Predicted Hurricane Severity Index	38 out of a possible 50 points (13 size, 25 intensity)				
Current Radius of Tropical Storm-Force Winds	150 miles				
Max. Predicted Radius of Tropical Storm-Force Winds	255 miles				
Organizational Trend	Increasing Rapidly				
Forecast Confidence	Average				
Estimated Central Pressure	935 mb				
<b>Valid</b>	<b>Classification</b>	<b>Lat</b>	<b>Lon</b>	<b>Winds</b>	<b>Gusts</b>
8/24/2024 9:00 AM CDT	Category 4	N 15.3	W 79.9	145 mph	175 mph
8/24/2024 9:00 PM CDT	Category 5	N 17	W 82.8	160 mph	190 mph
8/25/2024 9:00 AM CDT	Category 5	N 18.8	W 85.2	180 mph	215 mph
8/25/2024 8:00 PM CDT	Category 5	N 20.5	W 87.1	185 mph	220 mph
8/25/2024 9:00 PM CDT	Category 5	N 20.7	W 87.3	175 mph	200 mph
8/26/2024 3:00 AM CDT	Category 3	N 21.7	W 88.4	115 mph	140 mph
8/26/2024 9:00 AM CDT	Category 3	N 22.6	W 89.5	115 mph	140 mph
8/26/2024 9:00 PM CDT	Category 3	N 24.3	W 91.4	115 mph	140 mph
8/27/2024 9:00 AM CDT	Category 3	N 25.8	W 93.1	115 mph	140 mph
8/28/2024 9:00 AM CDT	Category 3	N 28.8	W 95.6	120 mph	145 mph
8/28/2024 9:00 PM CDT	Tropical Storm	N 31.1	W 96.1	60 mph	75 mph
8/29/2024 9:00 AM CDT	Tropical Depression	N 33.4	W 96.6	30 mph	35 mph



**Advisory 16 – 9 AM CDT Sat., Aug. 24:** Hurricane force winds now expected throughout the CenterPoint service area from late Wednesday morning through the afternoon hours.



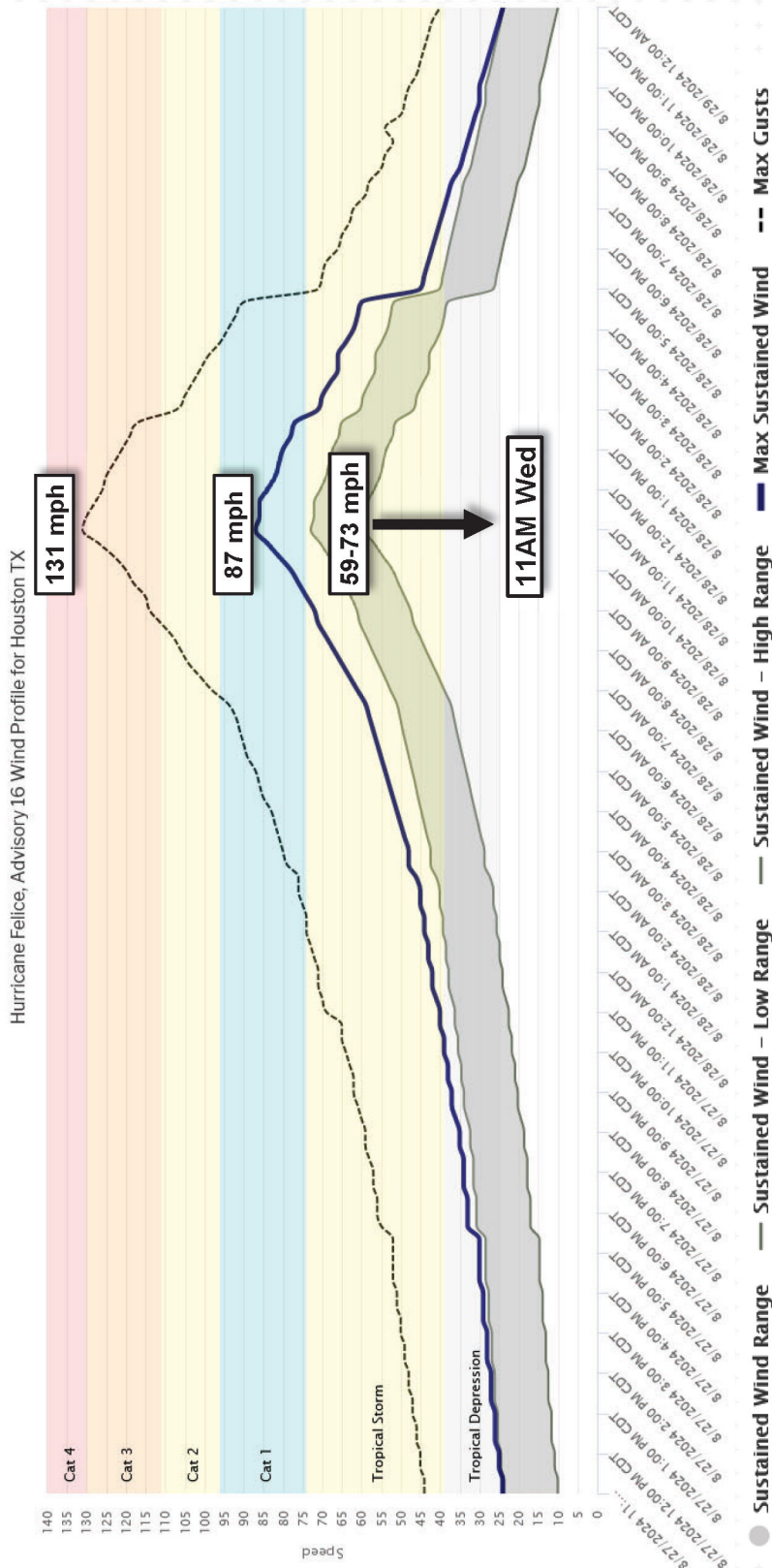
Tropical storm force wind starting Tuesday evening and continuing into Wednesday evening.

Hurricane force sustained wind predicted from late Wednesday morning to mid-afternoon.



**Advisory 16 – 9 AM CDT Sat., Aug. 24: -- Downtown Houston office**

- Wind 60-87 mph with gusts to near 130 mph Wednesday morning
- Rainfall 6-12 inches with isolated totals 18 inches Tuesday PM through Wednesday afternoon
- Storm surge 15-18 ft. in Galveston Bay and 20-25 ft up Houston Ship Channel Tuesday night/early Wednesday

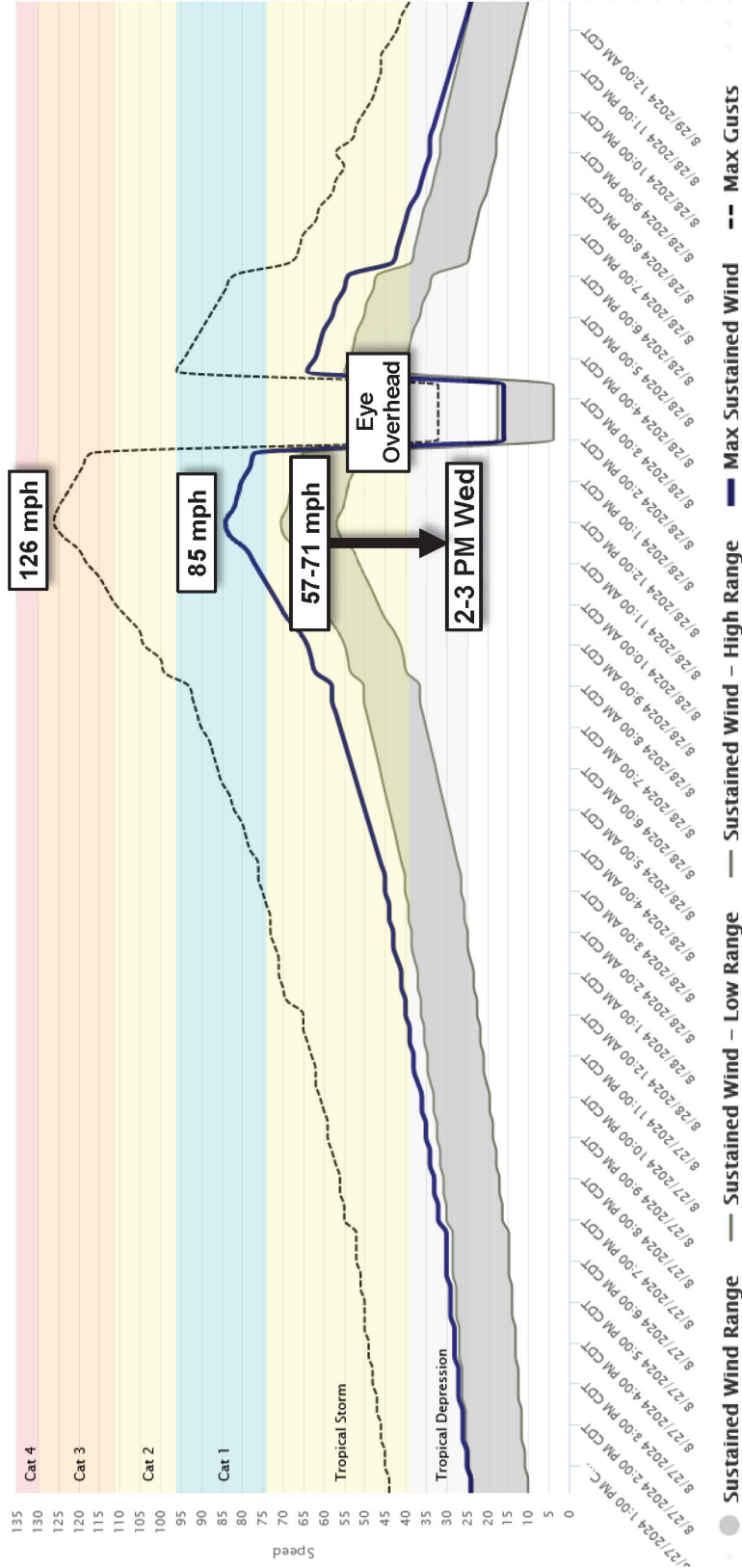




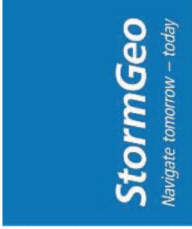
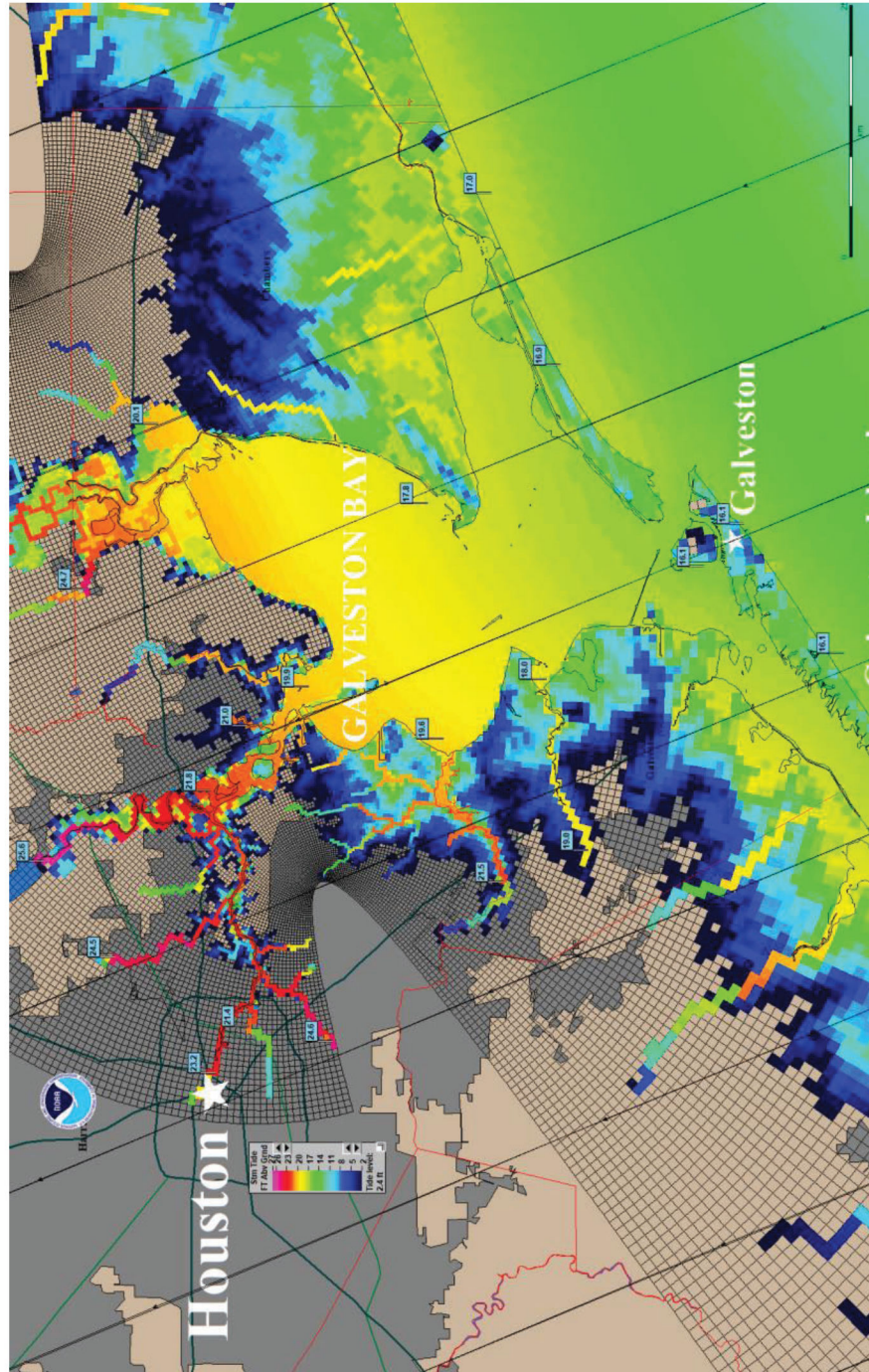
**Advisory 16 – 9 AM CDT Sat., Aug. 24: -- Greenspoint office**

- Wind 57-85 mph with gusts to near 125 mph Wednesday early afternoon
- Rainfall 6-12 inches with isolated totals 18 inches Tuesday PM through Wednesday PM

Hurricane Felice, Advisory 16 Wind Profile for Greenspoint S/C



**Advisory 16 – 9 AM CDT Sat., Aug. 24:** Large storm surge to move ashore into Galveston Bay Tuesday night/Wednesday morning. Significant flooding expected.



Storm surge of 15-18 ft near and east of where the center moves ashore.

This surge would be near 20 ft into western Galveston Bay and 20-25 ft up the Houston Ship Channel, causing extensive flooding to refineries and possibly flooding downtown Houston due to Buffalo Bayou overflowing its banks.





**Advisory 16 – 9 AM CDT Sat., Aug. 24: Phase 4 activated (39 mph wind possible within 72 hrs)  
Phase 5 reached in 18 hrs – 3AM Sunday (39 mph wind predicted within 66 hrs)**

Trigger Report for Centerpoint Energy, Houston TX – Hurricane Felice Adv. #16  
Issued: 09:00 AM CDT, Saturday, August 24, 2024

Current Conditions		Forecast Conditions	
Location	15.3N / 79.9W - 1400 miles SE	Max Forecast Winds	185 mph gusting 220 mph (Cat 5)
Movement	WNW @ 19 mph	Max Forecast HSI	48 (23 size / 25 intensity)
RPA Status	Positive	Hours to Next Trigger Point	18
Winds	145 mph gusting 175 mph (Cat 4)	Estimated Next Trigger Point Reached	5 3AM Sun Aug 25
Current HSI	28 (11 size / 17 intensity)		
Current Indicated Phase	4		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX						
Wind Field	Hrs. Untill Arrival	Forecast ETA		Worst-Case ETA		Probability of Wind Impact
		Arrival Time/Date	Duration	Hrs. Untill Arrival	Arrival Time/Date	
39 mph	84	9PM Tue Aug 27	23	70	7AM Tue Aug 27	66%
58 mph	93	6AM Wed Aug 28	11	80	5PM Tue Aug 27	37%
74 mph	96	9AM Wed Aug 28	5	84	9PM Tue Aug 27	27%
100 mph	N/A	N/A	N/A	88	1AM Wed Aug 28	12%

Phase	Trigger Parameter	Trigger Reached?	Estimated Hours Remaining and Time
1	Response Plan Activator - Positive (RPA+)	Yes	--
2	Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site	Yes	--
3	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site	Yes	--
4	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site	Yes	--
5	Forecast of 39 mph wind within 66 hours	No	18 hours - 3AM Sun Aug 25
6	Forecast of 39 mph wind within 60 hours	No	24 hours - 9AM Sun Aug 25
7	Forecast of 39 mph wind within 54 hours	No	30 hours - 3PM Sun Aug 25
8	Forecast of 39 mph wind within 48 hours	No	36 hours - 9PM Sun Aug 25
9	Forecast of 39 mph wind within 36 hours	No	48 hours - 9AM Mon Aug 26
10	Forecast of 39 mph wind within 30 hours	No	54 hours - 3PM Mon Aug 26
11	Forecast of 39 mph wind within 24 hours	No	60 hours - 9PM Mon Aug 26
12	Forecast of 39 mph wind within 18 hours	No	66 hours - 3AM Tue Aug 27
13	Forecast of 39 mph wind within 6 hours	No	78 hours - 3PM Tue Aug 27
14	Sustained wind falls below 39 mph - Recovery Begins	No	107 hours - 8PM Wed Aug 28

## Key Points From Advisory 16

9 AM Sat., Aug. 24



- Hurricane Felice to impact Texas as Category 3 hurricane Wednesday morning
- Sustained hurricane force wind with gusts over 100 mph predicted for all locations
- 6-12 inches with totals to 18 inches possible across Houston
- Storm surge of 15-18 ft on the coast Tuesday night and 20-25 ft into Galveston Bay, causing extensive flooding along the bay and up the ship channel.
- Current Status: **Phase 4 – 39 mph wind possible within 72 hrs**
- Next Trigger: **Phase 5 (arrival of 39 mph wind within 66 hrs) predicted for 18 hours (3AM Sunday)**



# Post-Advisory Discussion

**Advisory 20 – 9 AM CDT Sun., Aug. 25:** Felice's track adjusted slightly east of downtown Houston. Major impacts across CenterPoint service area are still expected. Track could shift back to the west.

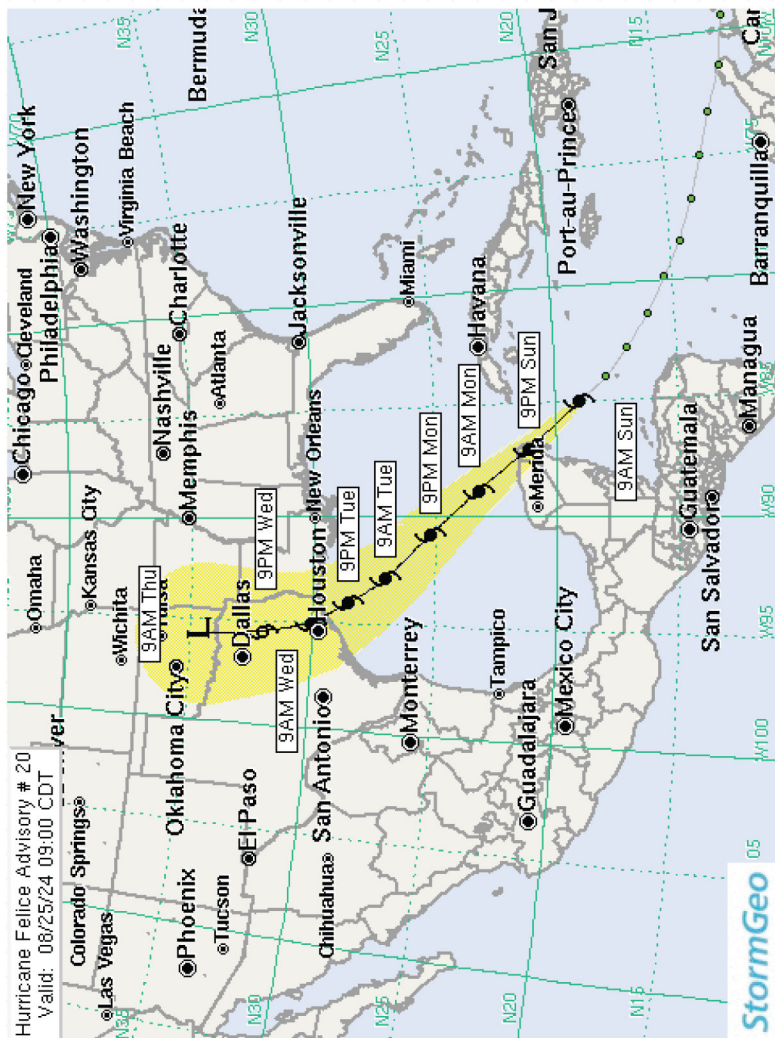


**Hurricane Felice**

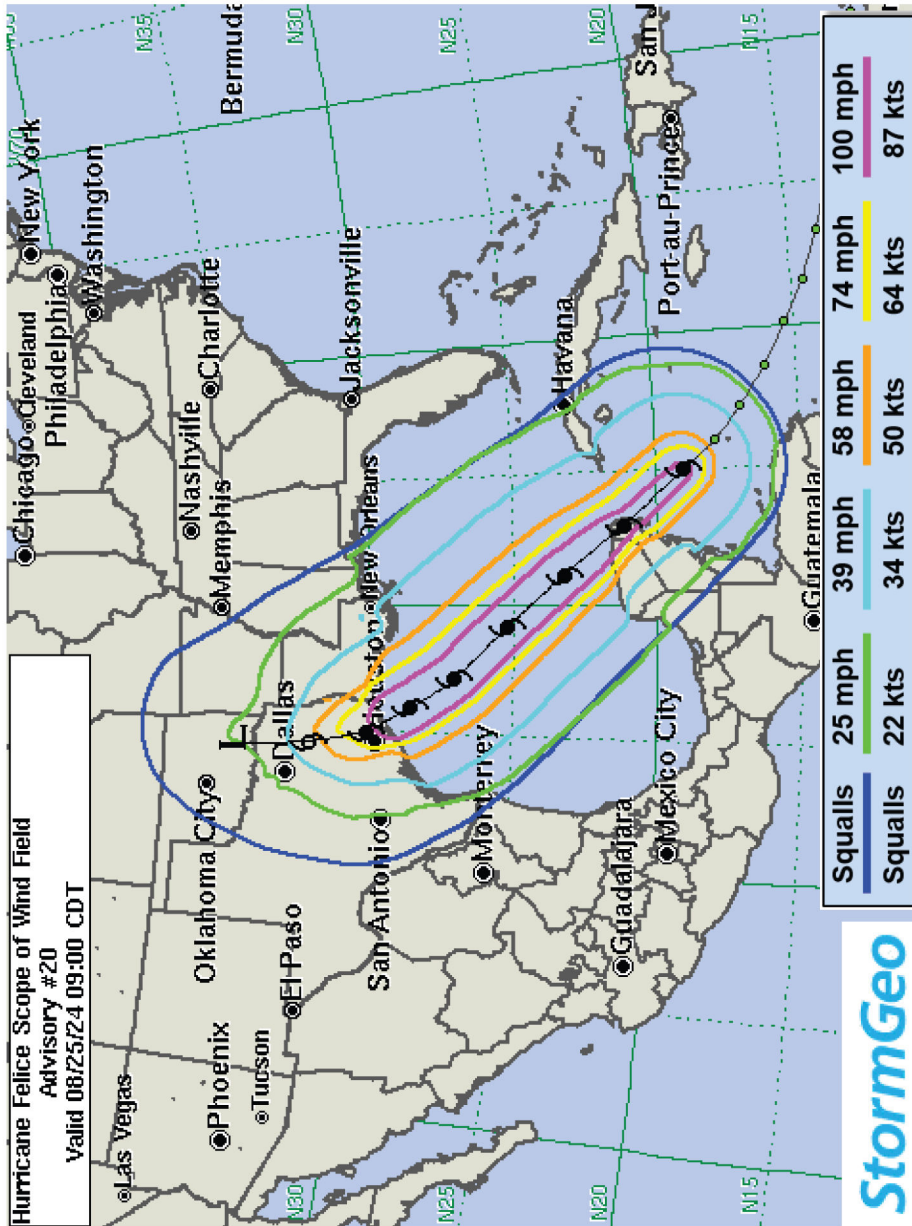
Current Location	19N, 85W
Geographic Reference	190 miles SE of Cancun
Movement	Northwest at 16 mph
Max Winds	185 mph gusting to 220 mph
Current Hurricane Severity Index	36 out of a possible 50 points (11 size, 25 intensity)
Max Predicted Hurricane Severity Index	40 out of a possible 50 points (15 size, 25 intensity)
Current Radius of Tropical Storm-Force Winds	195 miles
Max Predicted Radius of Tropical Storm-Force Winds	260 miles
Organizational Trend	Increasing
Forecast Confidence	Average
Estimated Central Pressure	894 mb

Valid	Classification	Lat	Lon	Winds	Gusts
8/25/2024 9:00 AM CDT	Category 5	N 19	W 85	185 mph	220 mph
8/25/2024 8:00 PM CDT	Category 5	N 20.9	W 86.8	195 mph	230 mph
8/25/2024 9:00 PM CDT	Category 5	N 21.1	W 87	185 mph	220 mph
8/26/2024 12:00 AM CDT	Category 4	N 21.6	W 87.4	140 mph	165 mph
8/26/2024 9:00 AM CDT	Category 4	N 23.2	W 88.8	130 mph	155 mph
8/26/2024 9:00 PM CDT	Category 4	N 25.2	W 90.8	130 mph	160 mph
8/27/2024 9:00 AM CDT	Category 4	N 27	W 92.8	130 mph	160 mph
8/27/2024 9:00 PM CDT	Category 4	N 28.5	W 94	130 mph	160 mph
8/28/2024 4:00 AM CDT	Category 3	N 29.4	W 94.6	125 mph	150 mph
8/28/2024 9:00 AM CDT	Category 2	N 30	W 95	105 mph	125 mph
8/28/2024 9:00 PM CDT	Tropical Storm	N 32	W 95.5	45 mph	60 mph
8/29/2024 9:00 AM CDT	Remnant Low	N 34.3	W 95.7	30 mph	35 mph



**Advisory 20 – 9 AM CDT Sun., Aug. 25:** Hurricane force winds are expected throughout the central and eastern CenterPoint service area on Wednesday.



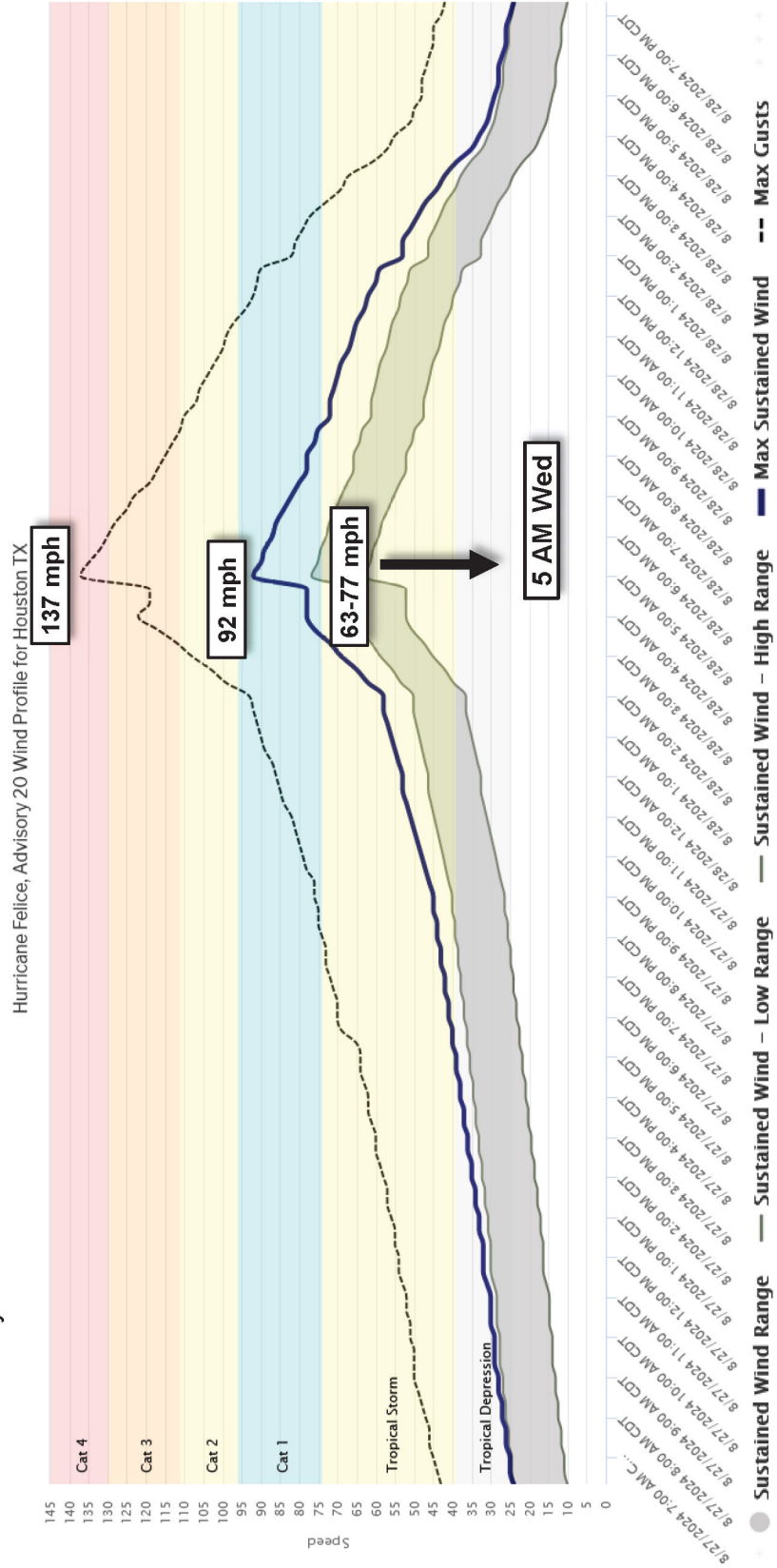
Tropical storm force wind starting Tuesday evening and continuing into Wednesday evening.

Hurricane force sustained wind predicted from late Wednesday morning to mid-afternoon.



**Advisory 20 – 9 AM CDT Sun., Aug. 25: -- Downtown Houston office**

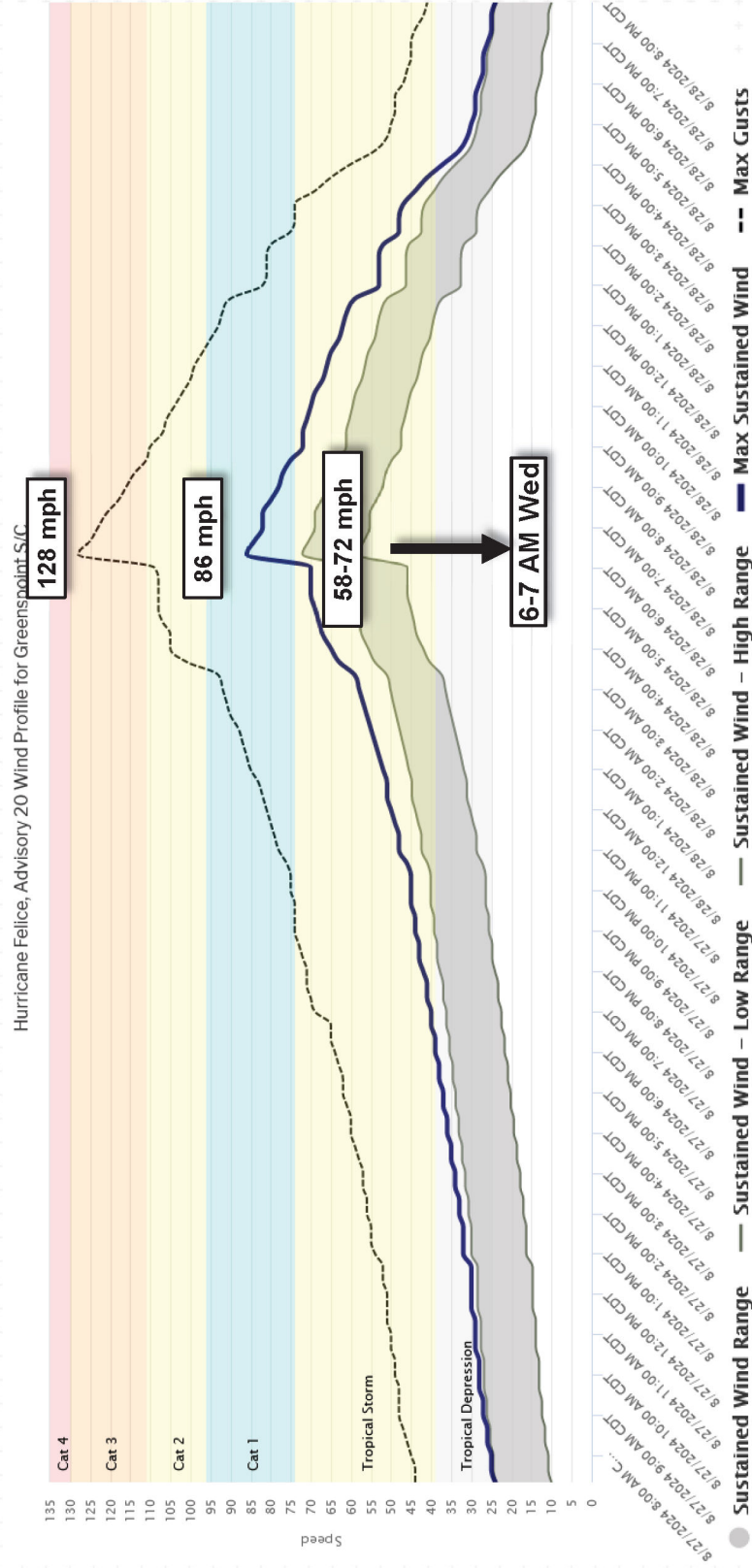
- Wind 65-90 mph with gusts to near 135 mph Wednesday morning
- Rainfall 6-12 inches with isolated totals 18 inches Tuesday PM through Wednesday afternoon
- Storm surge 15-18 ft. in Galveston Bay and 20-25 ft up Houston Ship Channel Tuesday night/early Wednesday





**Advisory 20 – 9 AM CDT Sun., Aug. 25: -- Greenspoint office**

- Wind 60-85 mph with gusts to near 130 mph Wednesday morning
- Rainfall 6-12 inches with isolated totals 18 inches Tuesday PM through Wednesday PM





**Advisory 20 – 9 AM CDT Sun., Aug. 25: Phase 6 activated (39 mph wind predicted within 60 hrs)**  
**Phase 7 reached in 1 hour (39 mph wind within 54 hrs)**  
**Phase 8 reached in 7 hrs – 4 PM today (39 mph wind predicted within 48 hrs)**

**Trigger Report for Centerpoint Energy, Houston TX – Hurricane Felice Adv. #20**  
 Issued: 09:00 AM CDT Sunday, August 25, 2024

Current Conditions		Forecast Conditions	
Location	19N / 85W - 987 miles SE	Max Forecast Winds	195 mph gusting 230 mph (Cat 5)
Movement	NW @ 16 mph	Max Forecast HSI	48 (23 size / 25 intensity)
RPA Status	Positive	Hours to Next Trigger Point	1
Winds	185 mph gusting 220 mph (Cat 5)	Estimated Next Trigger Point Reached	7 10AM Sun Aug 25
Current HSI	36 (11 size / 25 intensity)		
Current Indicated Phase	6		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX						
Wind Field	Forecast ETA			Worst-Case ETA		Probability of Wind Impact
	Hrs. Until Arrival	Arrival Time/Date	Duration	Hrs. Until Arrival	Arrival Time/Date	
39 mph	55	4PM Tue Aug 27	24	45	6AM Tue Aug 27	77%
58 mph	64	1AM Wed Aug 28	12	55	4PM Tue Aug 27	47%
74 mph	66	3AM Wed Aug 28	6	59	8PM Tue Aug 27	36%
100 mph	N/A	N/A	N/A	63	12AM Wed Aug 28	28%

Phase	Trigger Parameter	Trigger Reached?	Estimated Hours Remaining and Time
1	Response Plan Activator - Positive (RPA+)	Yes	--
2	Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site	Yes	--
3	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site	Yes	--
4	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site	Yes	--
5	Forecast of 39 mph wind within 66 hours	Yes	--
6	Forecast of 39 mph wind within 60 hours	Yes	--
7	Forecast of 39 mph wind within 54 hours	No	1 hours - 10AM Sun Aug 25
8	Forecast of 39 mph wind within 48 hours	No	7 hours - 4PM Sun Aug 25
9	Forecast of 39 mph wind within 36 hours	No	19 hours - 4AM Mon Aug 26
10	Forecast of 39 mph wind within 30 hours	No	25 hours - 10AM Mon Aug 26
11	Forecast of 39 mph wind within 24 hours	No	31 hours - 4PM Mon Aug 26
12	Forecast of 39 mph wind within 18 hours	No	37 hours - 10PM Mon Aug 26
13	Forecast of 39 mph wind within 6 hours	No	49 hours - 10AM Tue Aug 27
14	Sustained wind falls below 39 mph - Recovery Begins	No	79 hours - 4PM Wed Aug 28



## Key Points From Advisory 20 9 AM Sun., Aug. 25

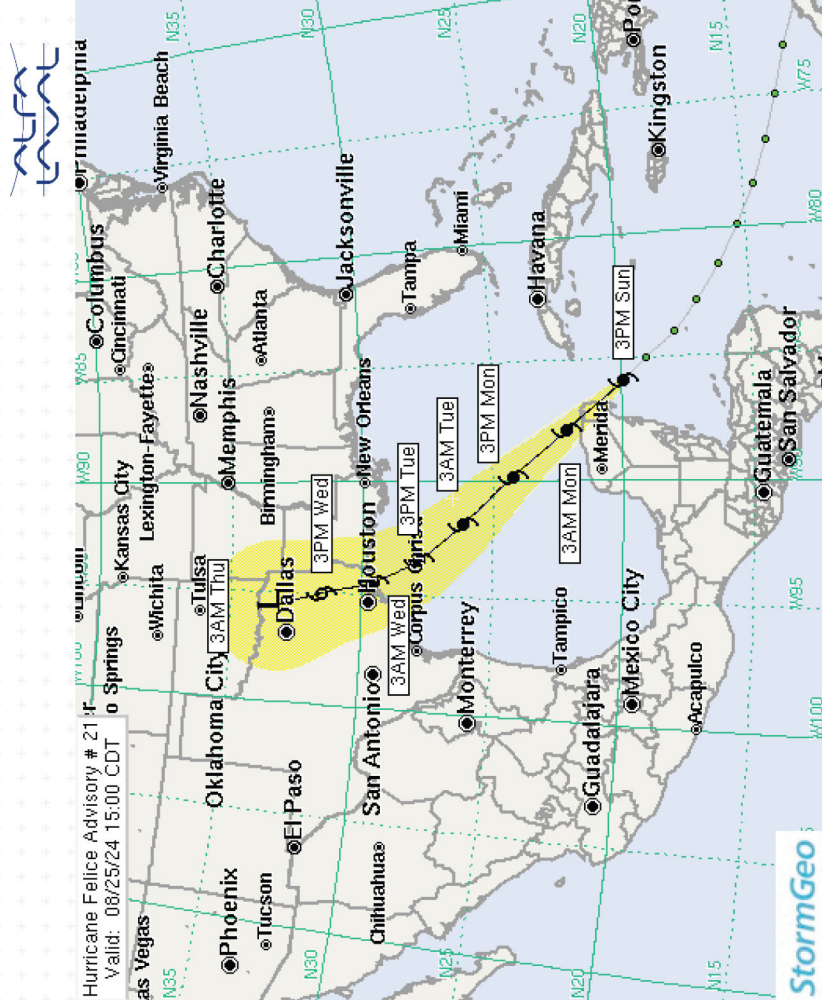


- Felice to impact Texas as Category 4 hurricane Wednesday morning
- Sustained hurricane force wind with gusts over 100 mph predicted for all locations
- 6-12 inches with totals to 18 inches possible across Houston
- Storm surge of 15-18 ft on the coast Tuesday night and 20-25 ft into Galveston Bay, causing extensive flooding along the bay and up the ship channel.
- Current Status: **Phase 6 – 39 mph wind predicted within 60 hrs**
  - **Phase 7 – 39 mph wind predicted within 54 hrs in 1 hour**
- Next Trigger: **Phase 8 (arrival of 39 mph wind within 48 hrs) predicted in 7 hours (4 PM today)**



# Post-Advisory Discussion

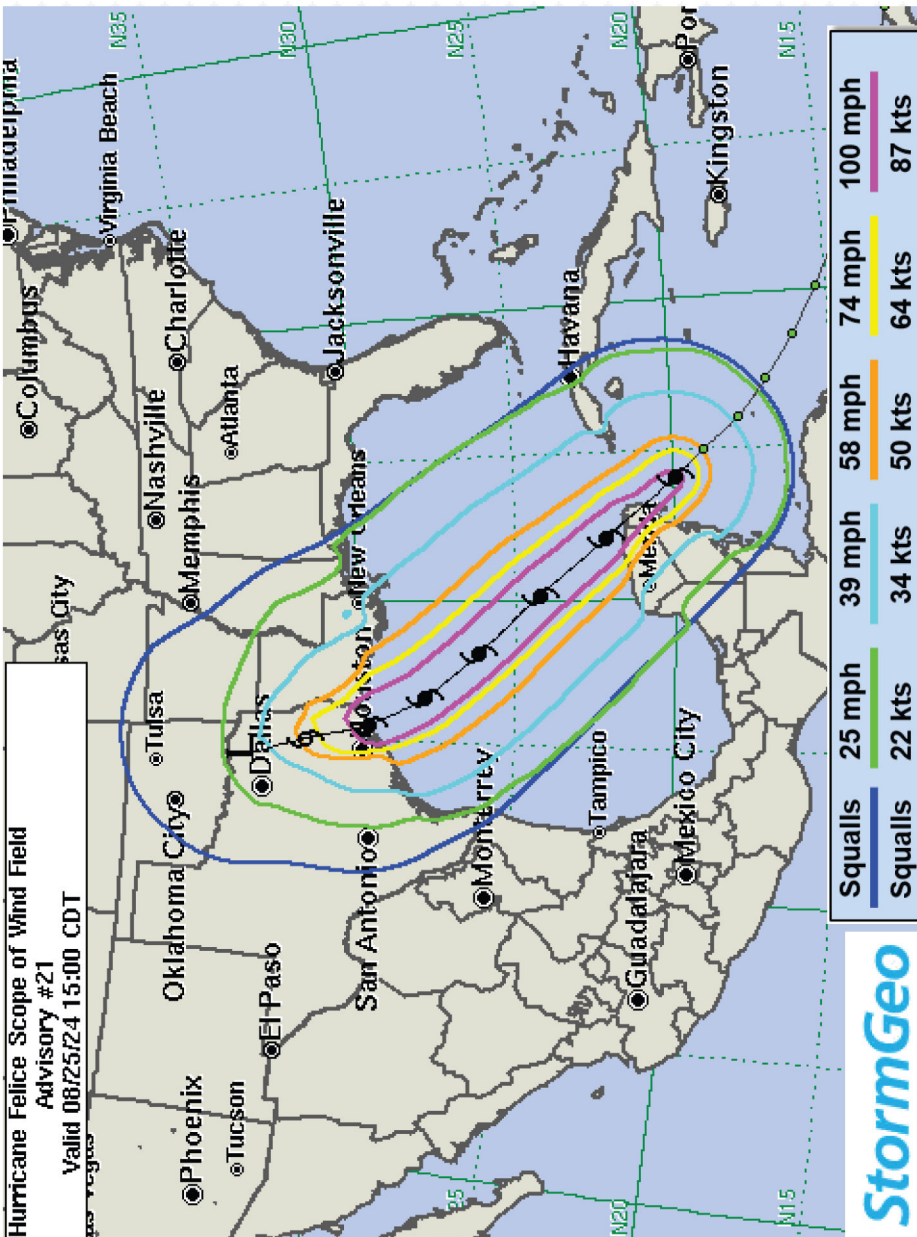
**Advisory 21 – 3 PM CDT Sun., Aug. 25:** Felice's track adjusted east of downtown Houston. Major impacts across CenterPoint service area are still expected due to its large size. Track could shift back to the west.



### Hurricane Felice

Current Location	19.9N, 85.9W				
Geographic Reference	105 miles SE of Cancun				
Max Winds	Northwest at 18 mph 190 mph gusting to 225 mph				
Current Hurricane Severity Index	37 out of a possible 50 points (12 size, 25 intensity)				
Max Predicted Hurricane Severity Index	38 out of a possible 50 points (13 size, 25 intensity)				
Current Radius of Tropical Storm-Force Winds	200 miles				
Max Predicted Radius of Tropical Storm-Force Winds	260 miles				
Organizational Trend	Increasing				
Forecast Confidence	Average				
Estimated Central Pressure	889 mb				
Valid	Classification	Lat	Lon	Winds	Gusts
8/25/2024 3:00 PM CDT	Category 5	N 19.9	W 85.9	190 mph	225 mph
8/25/2024 8:00 PM CDT	Category 5	N 20.9	W 86.8	195 mph	230 mph
8/26/2024 12:00 AM CDT	Category 4	N 21.6	W 87.4	140 mph	165 mph
8/26/2024 3:00 AM CDT	Category 4	N 22.1	W 87.9	130 mph	160 mph
8/26/2024 3:00 PM CDT	Category 4	N 24.2	W 89.8	130 mph	160 mph
8/27/2024 3:00 AM CDT	Category 4	N 26.1	W 91.8	130 mph	160 mph
8/27/2024 3:00 PM CDT	Category 4	N 27.8	W 93.4	130 mph	160 mph
8/28/2024 3:00 AM CDT	Category 4	N 29.5	W 94.4	130 mph	160 mph
8/28/2024 3:00 PM CDT	Tropical Storm	N 31.5	W 95	60 mph	75 mph
8/29/2024 3:00 AM CDT	Remnant Low	N 33.2	W 95.6	30 mph	35 mph

**Advisory 21 – 3 PM CDT Sun., Aug. 25:** Hurricane force winds are expected throughout the central and eastern CenterPoint service area on Wednesday.



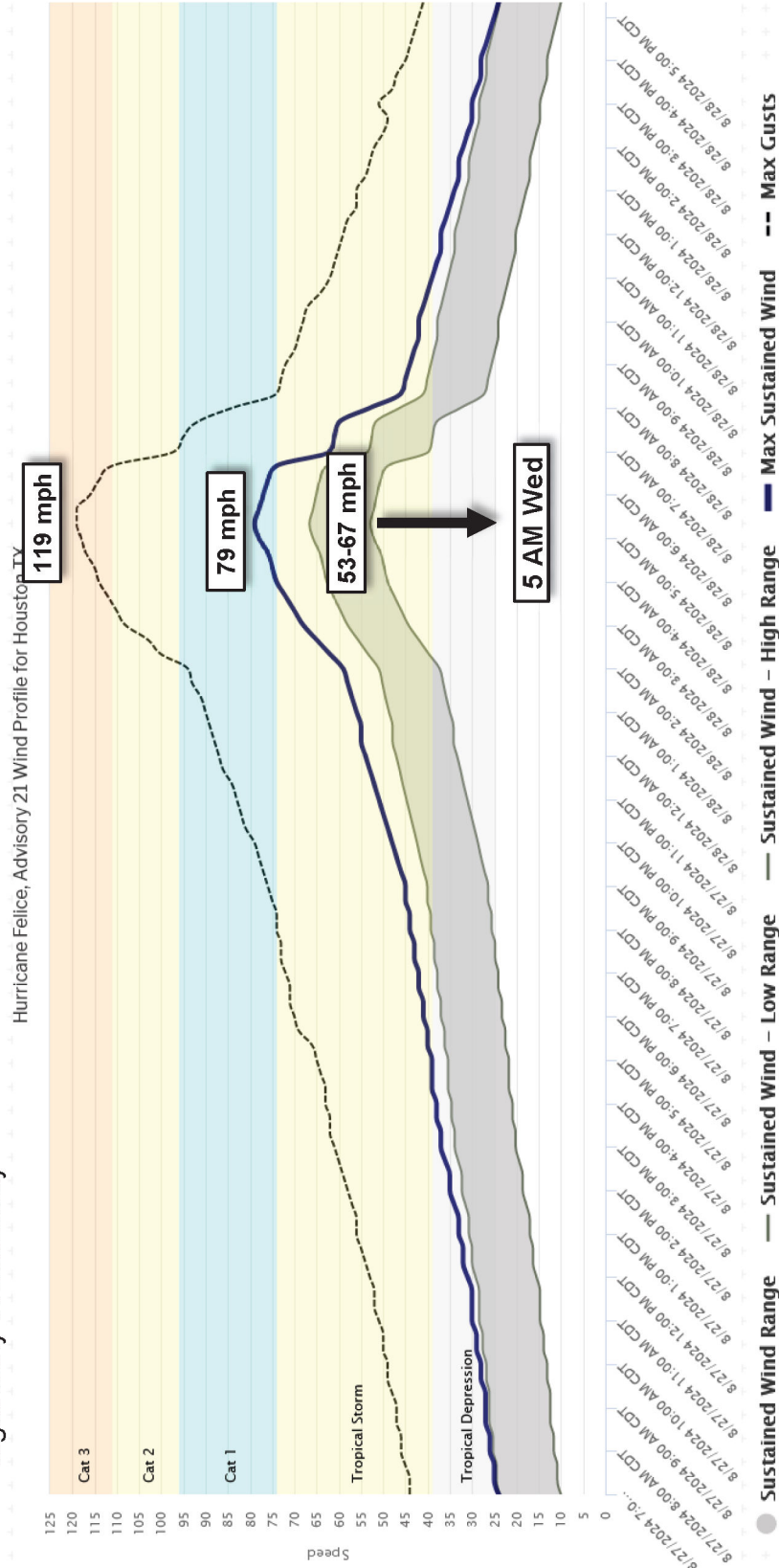
Tropical storm force wind starting Tuesday evening and continuing into Wednesday evening.

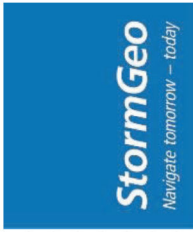
Hurricane force sustained wind predicted from late Wednesday morning to mid-afternoon, primarily central to eastern service area.



**Advisory 21 – 3 PM CDT Sun., Aug. 25: -- Downtown Houston office**

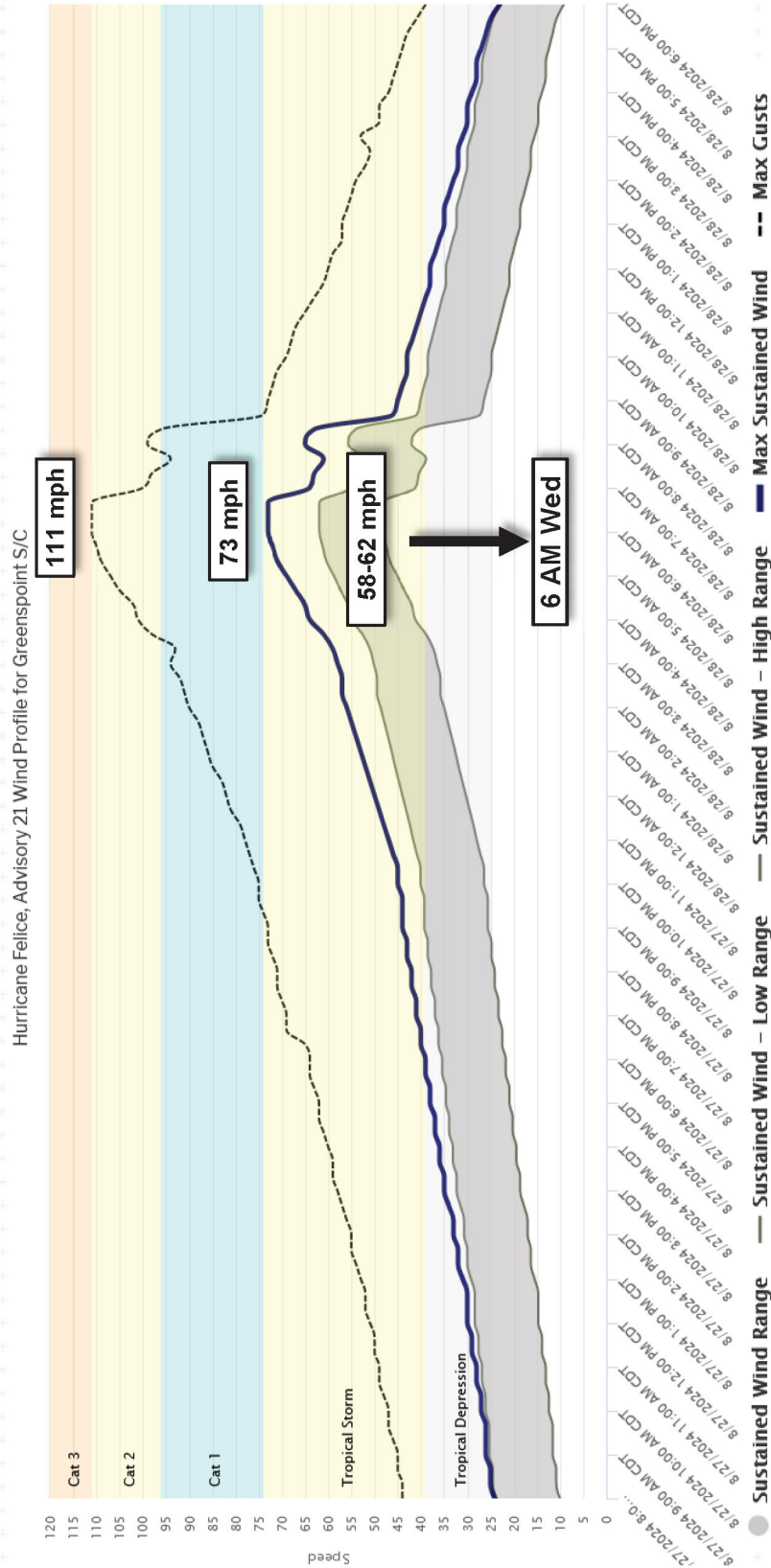
- Wind 50-80 mph with gusts to near 120 mph Wednesday morning
- Rainfall 6-12 inches with isolated totals 18 inches Tuesday PM through Wednesday afternoon
- Storm surge 15-18 ft. still possible in Galveston Bay and 20-25 ft up Houston Ship Channel Tuesday night/early Wednesday





**Advisory 21 – 3 PM CDT Sun., Aug. 25: -- Greenspoint office**

- Wind 50-75 mph with gusts to near 110 mph Wednesday morning
- Rainfall 6-12 inches with isolated totals 18 inches Tuesday PM through Wednesday PM





**Advisory 21 – 3 PM CDT Sun., Aug. 25: Phase 8 activated (39 mph wind predicted within 48 hrs)  
Phase 9 reached in 12 hrs – 3 AM tomorrow (39 mph wind predicted within 36 hrs)**

Trigger Report for Centerpoint Energy, Houston TX -- Hurricane Felice Adv. #21  
Issued: 03:00 PM CDT Sunday, August 25, 2024

Current Conditions		Forecast Conditions	
Location	19.9N / 85.9W - 902 miles SE	Max Forecast Winds	195 mph gusting 230 mph (Cat 5)
Movement	NW @ 18 mph	Max Forecast HSI	48 (23 size / 25 intensity)
RPA Status	Positive	Hours to Next Trigger Point	12
Winds	190 mph gusting 225 mph (Cat 5)	Estimated Next Trigger Point Reached	9:30AM Mon Aug 26
Current HSI	37 (12 size / 25 intensity)		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX						
Wind Field	Forecast ETA			Worst-Case ETA		
	Hrs. Until Arrival	Arrival Time/Date	Duration	Hrs. Until Arrival	Arrival Time/Date	Probability of Wind Impact
39 mph	48	3PM Tue Aug 27	20	40	7AM Tue Aug 27	80%
58 mph	58	1AM Wed Aug 28	7	49	4PM Tue Aug 27	48%
74 mph	61	4AM Wed Aug 28	3	53	8PM Tue Aug 27	38%
100 mph	N/A	N/A	N/A	57	12AM Wed Aug 28	30%

Phase	Trigger Parameter	Trigger Reached?	Estimated Hours Remaining and Time
1	Response Plan Activator - Positive (RPA+)	Yes	--
2	Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site	Yes	--
3	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site	Yes	--
4	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site	Yes	--
5	Forecast of 39 mph wind within 66 hours	Yes	--
6	Forecast of 39 mph wind within 60 hours	Yes	--
7	Forecast of 39 mph wind within 54 hours	Yes	--
8	Forecast of 39 mph wind within 48 hours	Yes	--
9	Forecast of 39 mph wind within 36 hours	No	12 hours - 3AM Mon Aug 26
10	Forecast of 39 mph wind within 30 hours	No	18 hours - 9AM Mon Aug 26
11	Forecast of 39 mph wind within 24 hours	No	24 hours - 3PM Mon Aug 26
12	Forecast of 39 mph wind within 18 hours	No	30 hours - 9PM Mon Aug 26
13	Forecast of 39 mph wind within 6 hours	No	42 hours - 9AM Tue Aug 27
14	Sustained wind falls below 39 mph - Recovery Begins	No	69 hours - 12PM Wed Aug 28

## Key Points From Advisory 21

### 3 PM Sun., Aug. 25



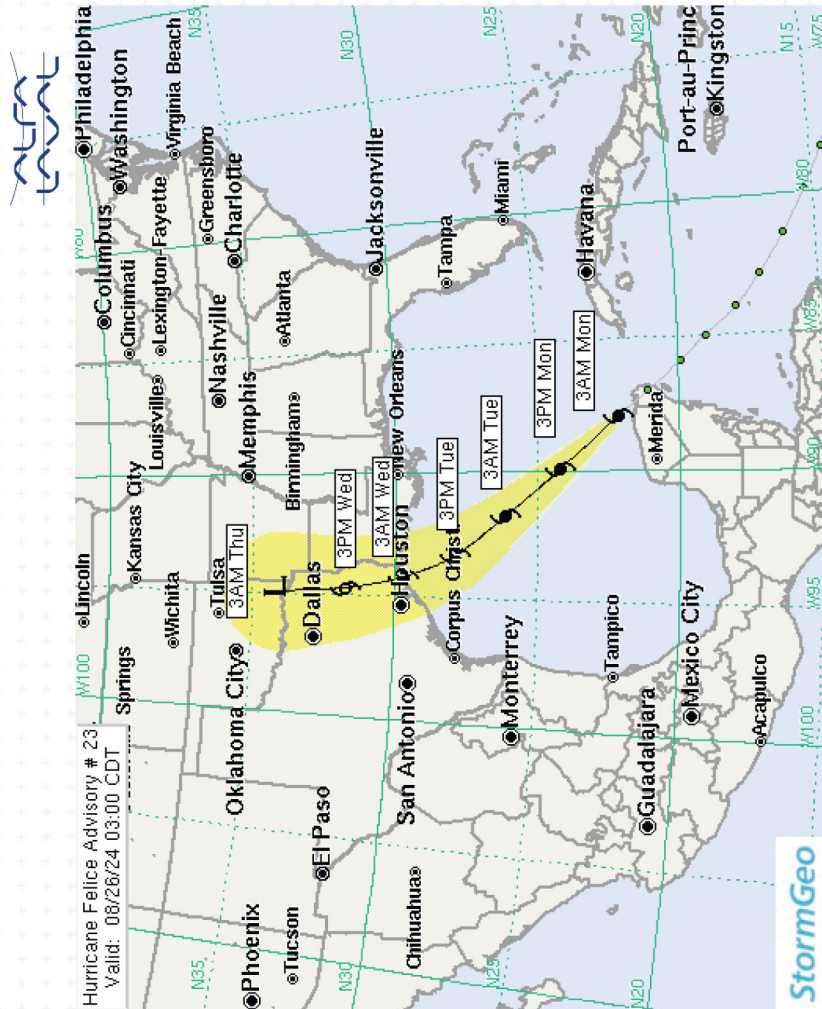
- Strongest wind predicted to pass east of Houston, but track could shift back west
- Sustained hurricane force wind with gusts over 100 mph predicted central and eastern part of service area
- 6-12 inches with totals to 18 inches still possible across Houston
- Possible storm surge of 15-18 ft on the coast Tuesday night and 20-25 ft into Galveston Bay, causing extensive flooding along the bay and up the ship channel.
- Current Status: Phase 8 – 39 mph wind predicted within 48 hrs
- Next Trigger: Phase 9 (arrival of 39 mph wind within 36 hrs) predicted in 12 hours (3 AM Monday)





# Post-Advisory Discussion

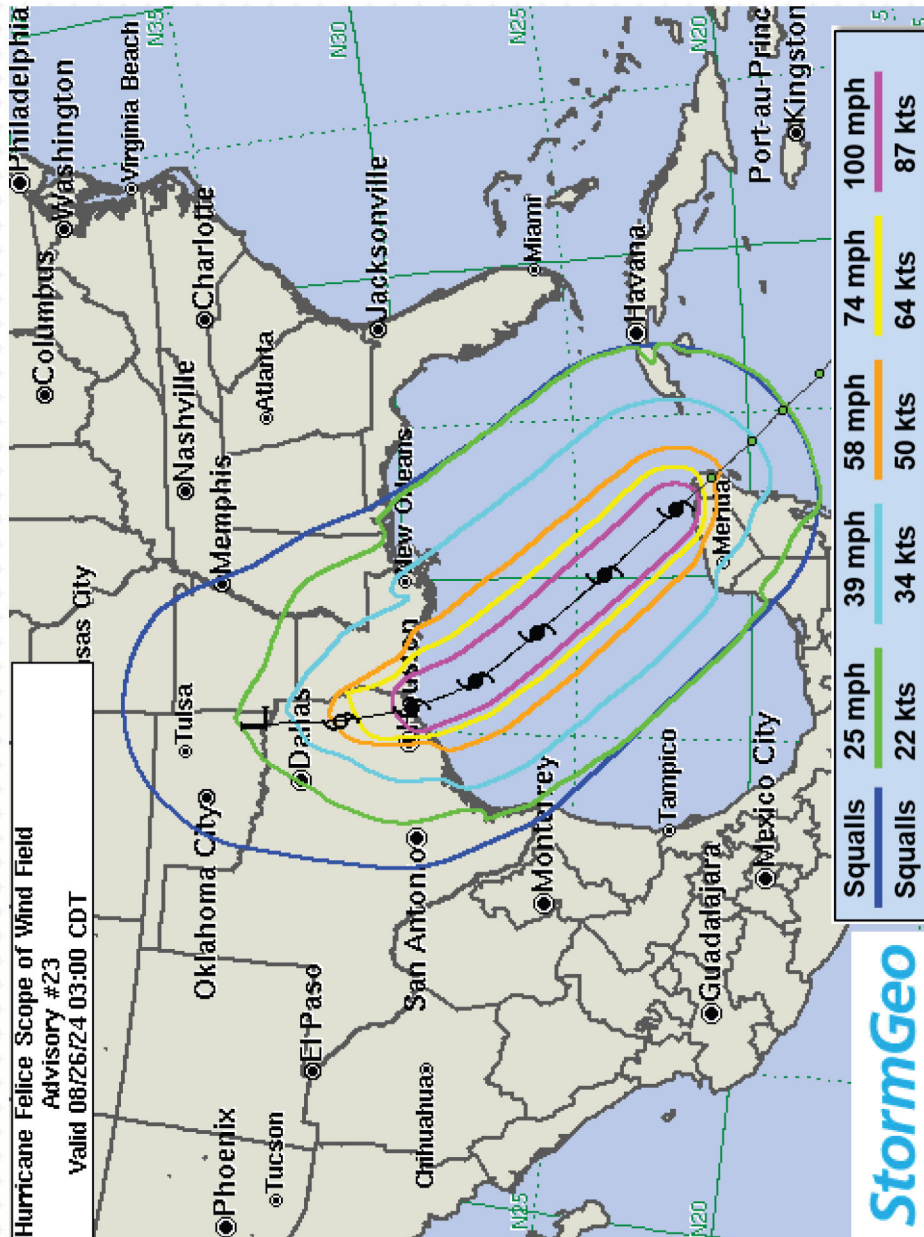
**Advisory 23 – 3 AM CDT Mon., Aug. 26:** Felice's track adjusted east of Houston. Major impacts across CenterPoint eastern service area are still expected due to its large size. Track could shift back to the west.



**Hurricane Felice**

Current Location	19.9N, 85.9W				
Geographic Reference	105 miles SE of Cancun				
Max Winds	Northwest at 18 mph 190 mph gusting to 225 mph				
Current Hurricane Severity Index	37 out of a possible 50 points (12 size, 25 intensity)				
Max Predicted Hurricane Severity Index	38 out of a possible 50 points (13 size, 25 intensity)				
Current Radius of Tropical Storm-Force Winds	200 miles				
Max Predicted Radius of Tropical Storm-Force Winds	260 miles				
Organizational Trend	Increasing				
Forecast Confidence	Average				
Estimated Central Pressure	889 mb				
Valid	Classification	Lat	Lon	Winds	Gusts
8/25/2024 3:00 PM CDT	Category 5	N 19.9	W 85.9	190 mph	225 mph
8/25/2024 8:00 PM CDT	Category 5	N 20.9	W 86.8	195 mph	230 mph
8/26/2024 12:00 AM CDT	Category 4	N 21.6	W 87.4	140 mph	165 mph
8/26/2024 3:00 AM CDT	Category 4	N 22.1	W 87.9	130 mph	160 mph
8/26/2024 3:00 PM CDT	Category 4	N 24.2	W 89.8	130 mph	160 mph
8/27/2024 3:00 AM CDT	Category 4	N 26.1	W 91.8	130 mph	160 mph
8/27/2024 3:00 PM CDT	Category 4	N 27.8	W 93.4	130 mph	160 mph
8/28/2024 3:00 AM CDT	Category 4	N 29.5	W 94.4	130 mph	160 mph
8/28/2024 3:00 PM CDT	Tropical Storm	N 31.5	W 95	60 mph	75 mph
8/29/2024 3:00 AM CDT	Remnant Low	N 33.2	W 95.6	30 mph	35 mph

**Advisory 23 – 3 AM CDT Mon., Aug. 26:** Hurricane force winds are expected throughout the central and eastern CenterPoint service area on Wednesday.



Tropical storm force wind starting Tuesday evening and continuing into Wednesday evening.

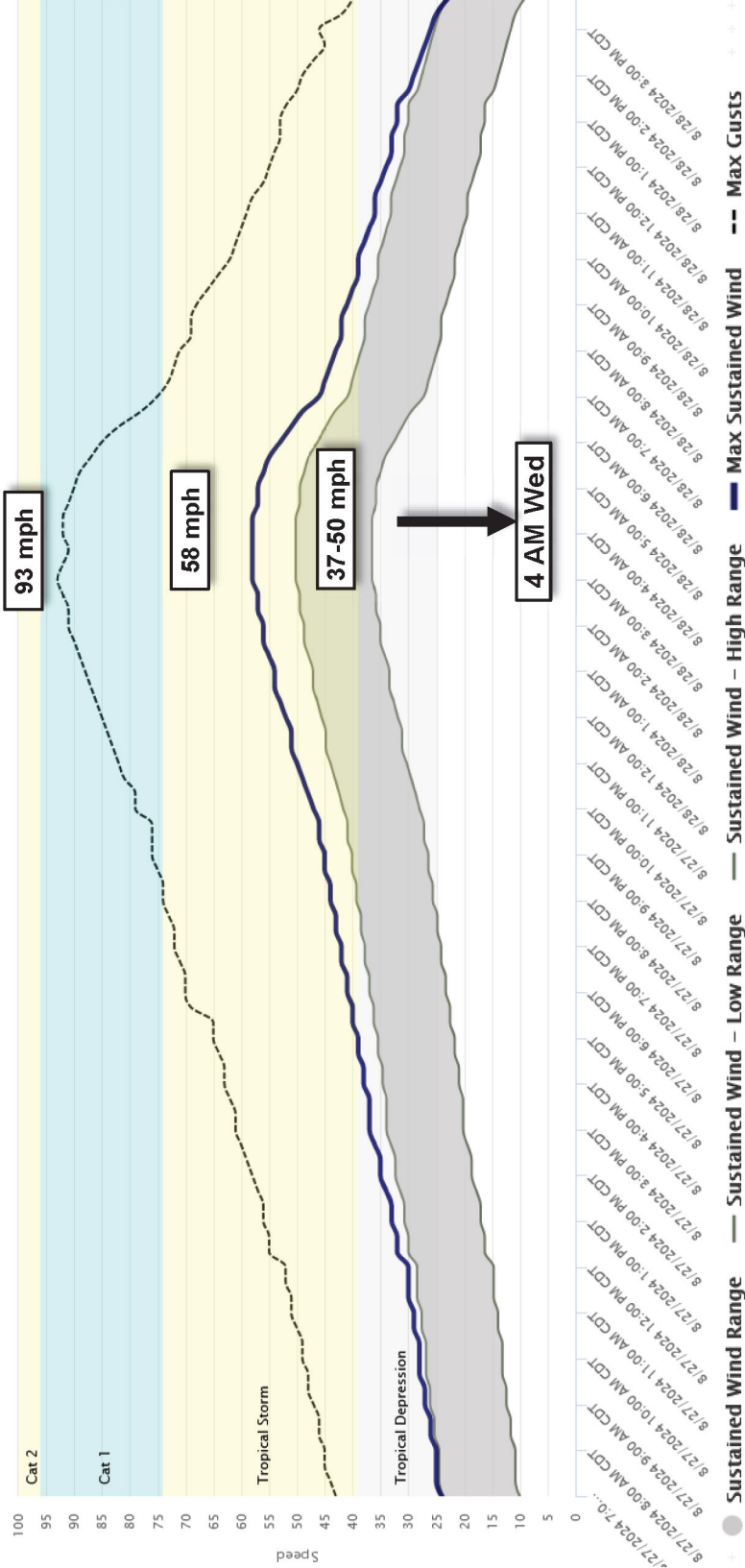
Hurricane force sustained wind predicted from late Wednesday morning to mid-afternoon, primarily eastern service area.



**Advisory 23 – 3 AM CDT Mon., Aug. 26: -- Downtown Houston office**

- Wind 35-60 mph with gusts to near 95 mph Wednesday morning
- Rainfall 5-10 inches with isolated totals 15 inches Tuesday PM through Wednesday afternoon
- Storm surge 15-18 ft. still possible in Galveston Bay and 20-25 ft up Houston Ship Channel Tuesday night/early Wednesday, though the track would have to shift back to the west for that to happen.

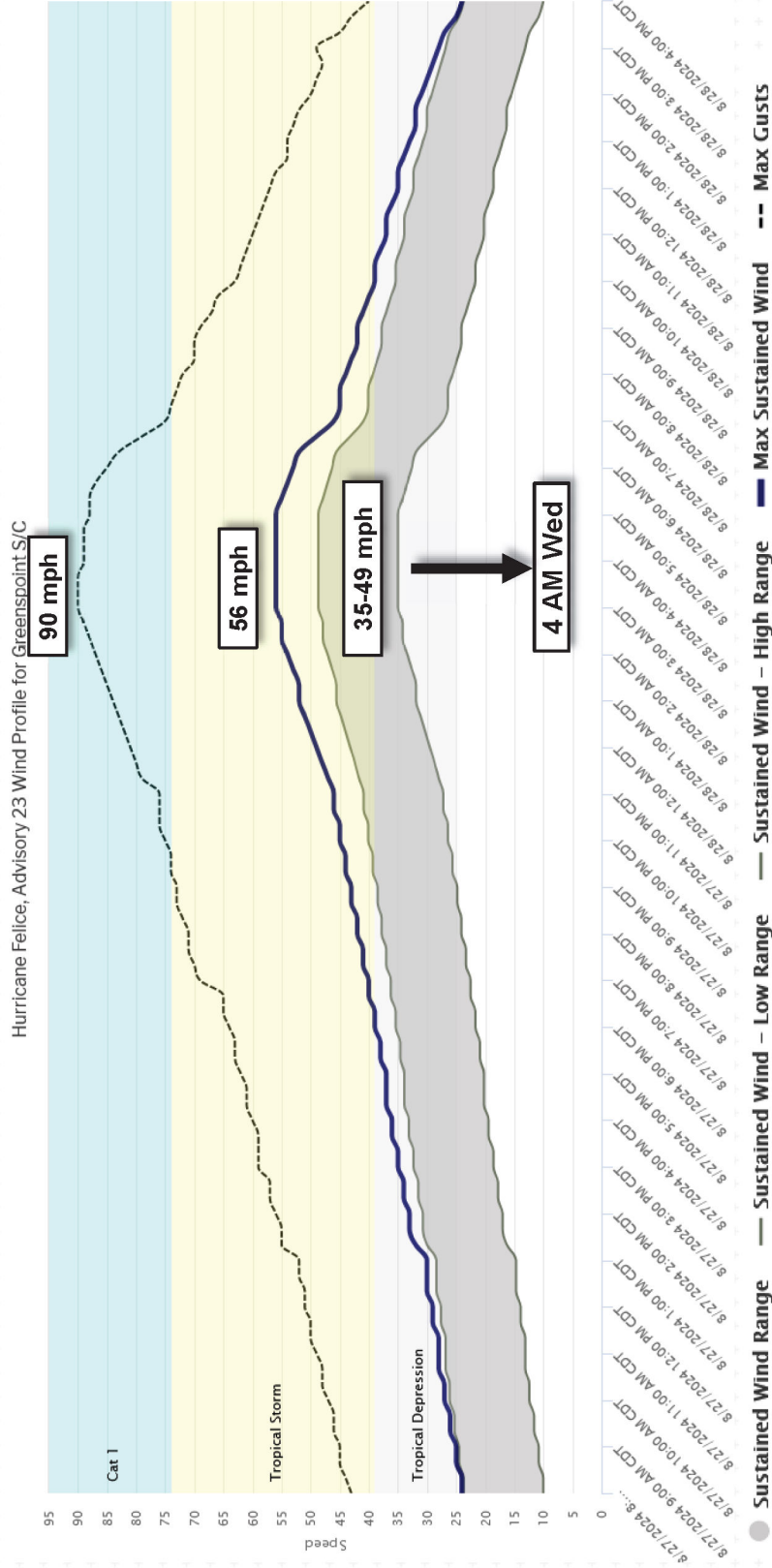
Hurricane Felice, Advisory 23 Wind Profile for Houston TX





**Advisory 23 – 3 AM CDT Mon., Aug. 26: -- Greenspoint office**

- Wind 35-56 mph with gusts to near 90 mph Wednesday morning
- Rainfall 5-10 inches with isolated totals 15 inches Tuesday PM through Wednesday PM





**Advisory 23 – 3 AM CDT Mon., Aug. 26: Phase 9 activated in 1 hour (39 mph wind predicted within 36 hrs)  
Phase 10 reached in 7 hrs – 10 AM today (39 mph wind predicted within 30 hrs)**

**Trigger Report for Centerpoint Energy, Houston TX – Hurricane Felice Adv. #23**  
Issued: 03:00 AM CDT Monday, August 26, 2024

Current Conditions		Forecast Conditions	
Location	22.1N / 87.9W - 703 miles SE	Max Forecast Winds	140 mph gusting 165 mph (Cat 4)
Movement	NW @ 16 mph	Max Forecast HSI	39 (23 size / 16 intensity)
RPA Status	Positive	Hours to Next Trigger Point 1	
Winds	140 mph gusting 165 mph (Cat 4)	Estimated Next Trigger Point Reached	9 4AM Mon Aug 26
Current HSI	38 (22 size / 16 intensity)		
Current Indicated Phase	8		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX						
Forecast ETA			Worst-Case ETA		Probability of Wind Impact	
Wind Field	Hrs. Until Arrival	Arrival Time/Date	Duration	Hrs. Until Arrival	Arrival Time/Date	Trend
39 mph	37	4PM Tue Aug 27	19	28	7AM Tue Aug 27	+2%
58 mph	48	3AM Wed Aug 28	2	37	4PM Tue Aug 27	+1%
74 mph	N/A	N/A	N/A	41	8PM Tue Aug 27	+1%
100 mph	N/A	N/A	N/A	44	11PM Tue Aug 27	-1%

Phase	Trigger Parameter	Trigger Reached?	Estimated Hours Remaining and Time
1	Response Plan Activator - Positive (RPA+)	Yes	--
2	Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site	Yes	--
3	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site	Yes	--
4	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site	Yes	--
5	Forecast of 39 mph wind within 66 hours	Yes	--
6	Forecast of 39 mph wind within 60 hours	Yes	--
7	Forecast of 39 mph wind within 54 hours	Yes	--
8	Forecast of 39 mph wind within 48 hours	Yes	--
9	Forecast of 39 mph wind within 36 hours	No	1 hours - 4AM Mon Aug 26
10	Forecast of 39 mph wind within 30 hours	No	7 hours - 10AM Mon Aug 26
11	Forecast of 39 mph wind within 24 hours	No	13 hours - 4PM Mon Aug 26
12	Forecast of 39 mph wind within 18 hours	No	19 hours - 10PM Mon Aug 26
13	Forecast of 39 mph wind within 6 hours	No	31 hours - 10AM Tue Aug 27
14	Sustained wind falls below 39 mph - Recovery Begins	No	56 hours - 11AM Wed Aug 28

## Key Points From Advisory 23

### 3 AM Mon., Aug. 26



- Track shifted farther east, reducing the risk to Houston somewhat, but the track could easily shift back to the west prior to landfall
- Sustained hurricane force wind with gusts over 100 mph predicted for the eastern part of CenterPoint service area
- 6-12 inches with totals to 18 inches still possible across Houston
- Possible storm surge of 15-18 ft on the coast Tuesday night and 20-25 ft into Galveston Bay, causing extensive flooding along the bay and up the ship channel.
- Current Status: Phase 9 in 1 hour (now) – (39 mph wind predicted within 36 hrs)
- Next Trigger: Phase 10 (arrival of 39 mph wind within 30 hrs) predicted in 7 hours (10 AM today)



# Post-Advisory Discussion



**Advisory 24 – 9 AM CDT Mon., Aug. 26:** Felice's track adjusted east of Houston. Major impacts across CenterPoint eastern service area are still expected due to its large size. Track could shift back to the west.

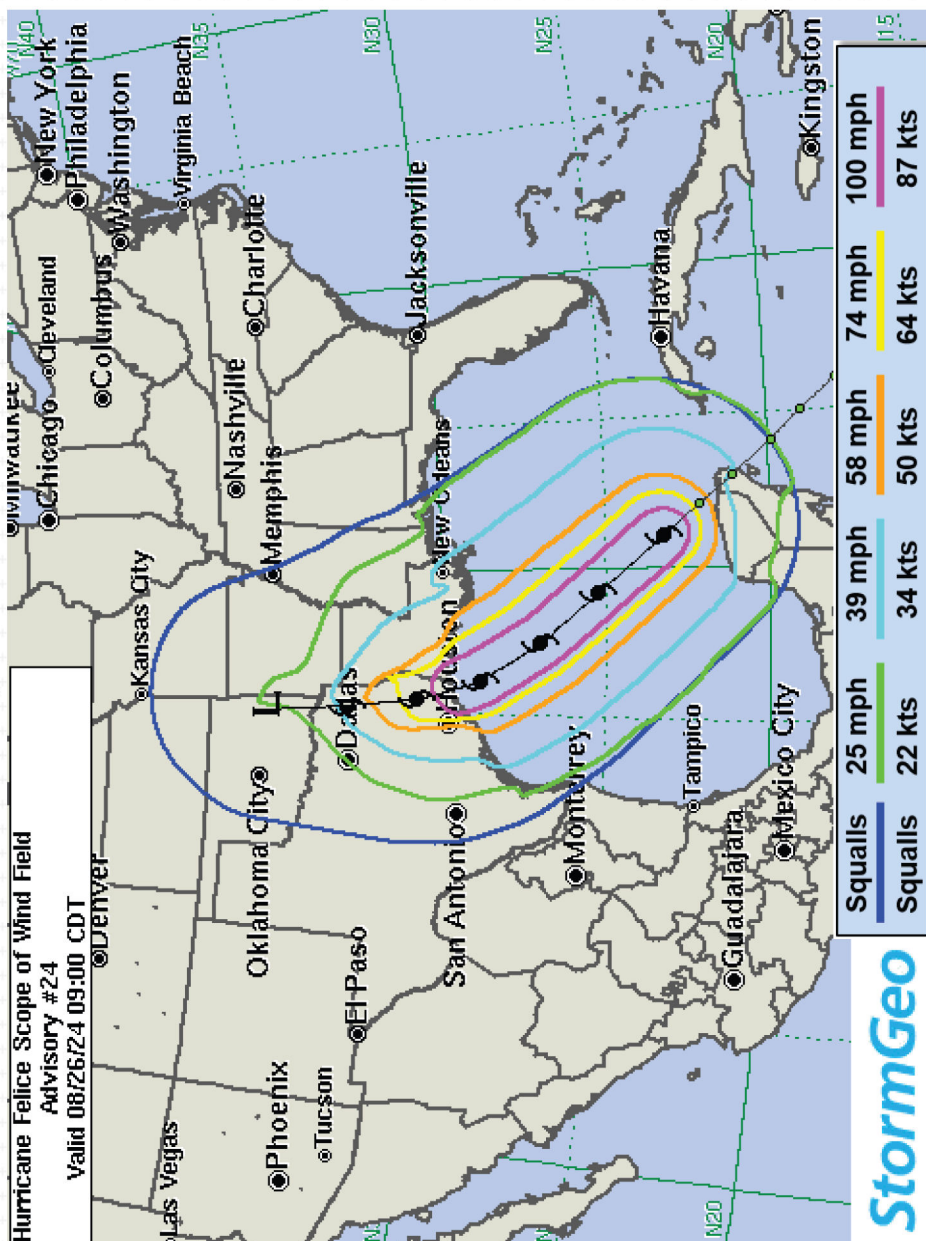


### Hurricane Felice

Current Location	19.9N, 85.9W				
Geographic Reference	105 miles SE of Cancun				
Max Winds	Northwest at 18 mph				
Current Hurricane Severity Index	190 mph gusting to 225 mph				
Max Predicted Hurricane Severity Index	37 out of a possible 50 points (12 size, 25 intensity)				
Current Radius of Tropical Storm-Force Winds	38 out of a possible 50 points (13 size, 25 intensity)				
Max Predicted Radius of Tropical Storm-Force Winds	200 miles				
Organizational Trend	260 miles				
Forecast Confidence	Increasing				
Estimated Central Pressure	Average				
	889 mb				
Valid	Classification	Lat	Lon	Winds	Gusts
8/25/2024 3:00 PM CDT	Category 5	N 19.9	W 85.9	190 mph	225 mph
8/25/2024 8:00 PM CDT	Category 5	N 20.9	W 86.8	195 mph	230 mph
8/26/2024 12:00 AM CDT	Category 4	N 21.6	W 87.4	140 mph	165 mph
8/26/2024 3:00 AM CDT	Category 4	N 22.1	W 87.9	130 mph	160 mph
8/26/2024 3:00 PM CDT	Category 4	N 24.2	W 89.8	130 mph	160 mph
8/27/2024 3:00 AM CDT	Category 4	N 26.1	W 91.8	130 mph	160 mph
8/27/2024 3:00 PM CDT	Category 4	N 27.8	W 93.4	130 mph	160 mph
8/28/2024 3:00 AM CDT	Category 4	N 29.5	W 94.4	130 mph	160 mph
8/28/2024 3:00 PM CDT	Tropical Storm	N 31.5	W 95	60 mph	75 mph
8/29/2024 3:00 AM CDT	Remnant Low	N 33.2	W 95.6	30 mph	35 mph



**Advisory 24 – 9 AM CDT Mon., Aug. 26:** Hurricane force winds are expected throughout the eastern CenterPoint service area on Wednesday.



Tropical storm force wind starting Tuesday evening and continuing into Wednesday evening.

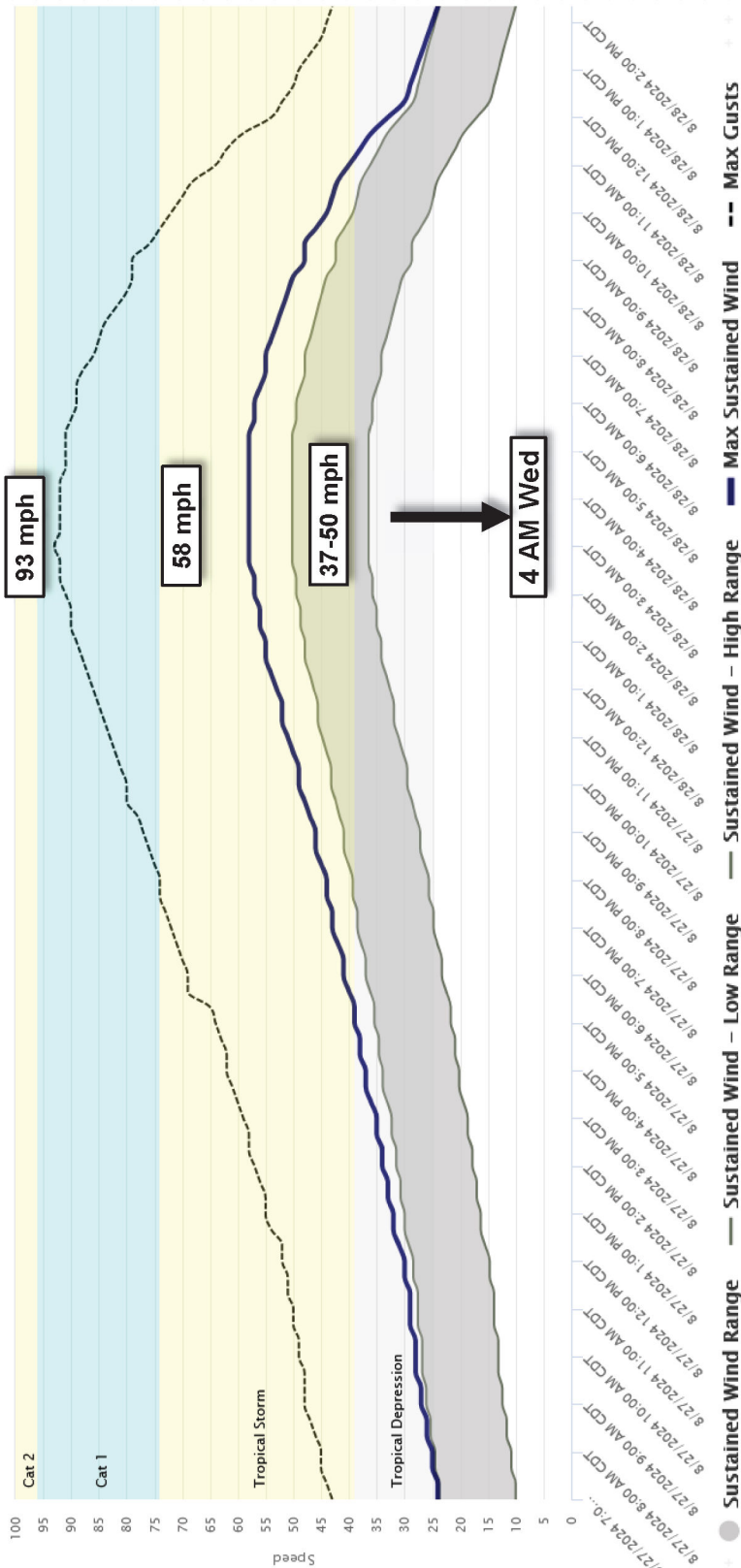
Hurricane force sustained wind predicted from late Wednesday morning to mid-afternoon, primarily eastern service area.



**Advisory 24 – 9 AM CDT Mon., Aug. 26: -- Downtown Houston office**

- Wind 35-60 mph with gusts to near 95 mph Wednesday morning
- Rainfall 5-10 inches with isolated totals 15 inches Tuesday PM through Wednesday afternoon
- Storm surge 15-18 ft. still possible in Galveston Bay and 20-25 ft up Houston Ship Channel Tuesday night/early Wednesday, though the track would have to shift back to the west for that to happen.

Hurricane Felice, Advisory 24 Wind Profile for Houston TX

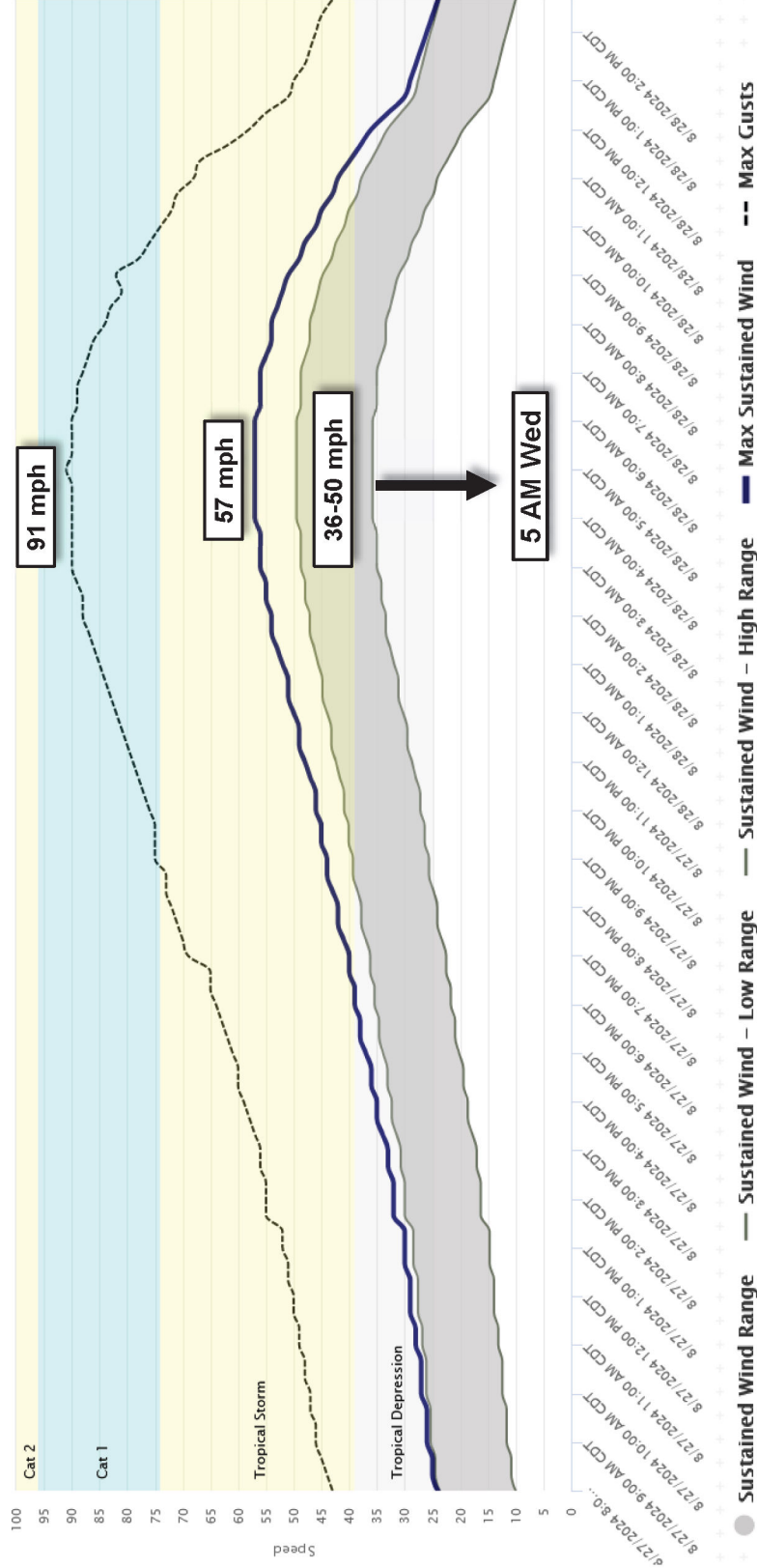




**Advisory 24 – 9 AM CDT Mon., Aug. 26: -- Greenspoint office**

- Wind 36-57 mph with gusts to near 90 mph Wednesday morning
- Rainfall 5-10 inches with isolated totals 15 inches Tuesday PM through Wednesday PM

Hurricane Felice, Advisory 24 Wind Profile for Greenspoint S/C





**Advisory 24 – 9 AM CDT Mon., Aug. 26: Phase 10 activated in 1 hour (39 mph wind predicted within 30 hrs)  
Phase 11 reached in 7 hrs – 4 PM today (39 mph wind predicted within 24 hrs)**

Trigger Report for Centerpoint Energy, Houston TX – Hurricane Felice Adv. #24

Issued: 09:00 AM CDT Monday, August 26, 2024

Current Conditions		Forecast Conditions	
Location	23.2N / 88.9W - 604 miles SE	Max Forecast Winds	130 mph gusting 160 mph (Cat 3)
Movement	NW @ 15 mph	Max Forecast HSI	38 (23 size / 15 intensity)
RPA Status	Positive	Hours to Next Trigger Point <sup>1</sup>	
Winds	130 mph gusting 160 mph (Cat 3)	Estimated Next Trigger Point Reached	10 10AM Mon Aug 26
Current HSI	37 (22 size / 15 intensity)		
Current Indicated Phase	9		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX							
Wind Field	Hrs. Until Arrival	Arrival Time/Date	Duration	Worst-Case ETA		Probability of Wind Impact	
				Hrs. Until Arrival	Arrival Time/Date	Value	Trend
39 mph	31	4PM Tue Aug 27	20	23	8AM Tue Aug 27	85%	+3%
58 mph	41	2AM Wed Aug 28	3	32	5PM Tue Aug 27	50%	+2%
74 mph	N/A	N/A	N/A	36	9PM Tue Aug 27	40%	+2%
100 mph	N/A	N/A	N/A	39	12AM Wed Aug 28	29%	+1%

Phase	Trigger Parameter		Trigger Reached?	Estimated Hours Remaining and Time
	Response Plan Activator - Positive (RPA+)	Response Plan Activator - Negative (RPA-)		
1	Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site		Yes	--
2	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site		Yes	--
3	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site		Yes	--
4	Forecast of 39 mph wind within 66 hours		Yes	--
5	Forecast of 39 mph wind within 60 hours		Yes	--
6	Forecast of 39 mph wind within 54 hours		Yes	--
7	Forecast of 39 mph wind within 48 hours		Yes	--
8	Forecast of 39 mph wind within 36 hours		Yes	--
9	Forecast of 39 mph wind within 30 hours		No	1 hours - 10AM Mon Aug 26
10	Forecast of 39 mph wind within 24 hours		No	7 hours - 4PM Mon Aug 26
11	Forecast of 39 mph wind within 18 hours		No	13 hours - 10PM Mon Aug 26
12	Forecast of 39 mph wind within 12 hours		No	25 hours - 10AM Tue Aug 27
13	Forecast of 39 mph wind within 6 hours		No	51 hours - 12PM Wed Aug 28
14	Sustained wind falls below 39 mph - Recovery Begins		No	

## Key Points From Advisory 24

### 9 AM Mon., Aug. 26



- Model spread on landfall is increasing. Foresee possible trend for a westward track shift in future advisories
- Sustained hurricane force wind with gusts over 100 mph possible for the eastern part of you service area, though most areas will see sustained wind below 74 mph.
- 5-10 inches with totals to 15 inches still possible across Houston
- Possible storm surge of 15-18 ft on the coast Tuesday night and 20-25 ft into Galveston Bay, causing extensive flooding along the bay and up the ship channel.
- Current Status: Phase 10 in 1 hour (now) – (39 mph wind predicted within 30 hrs)
- Next Trigger: Phase 11 (arrival of 39 mph wind within 24 hrs) predicted in 7 hours (4 PM today)



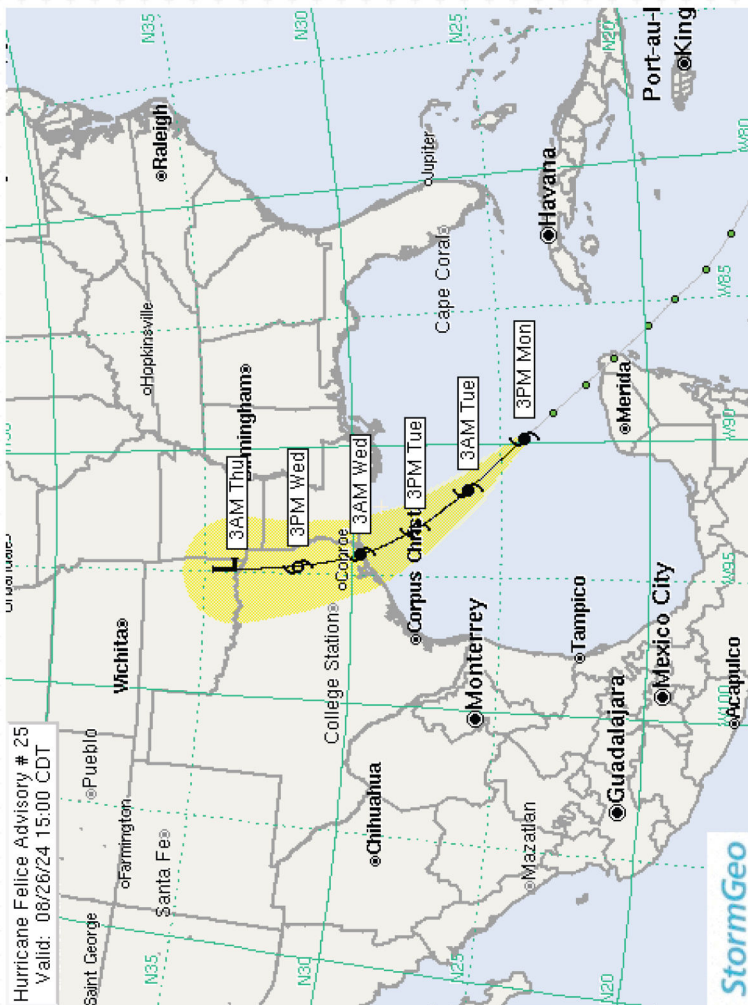
# Post-Advisory Discussion

**Advisory 25 – 3 PM CDT Mon., Aug. 26:** Felice's track adjusted east of Houston. Major impacts across CenterPoint eastern service area are still expected due to its large size. Track could shift back to the west.



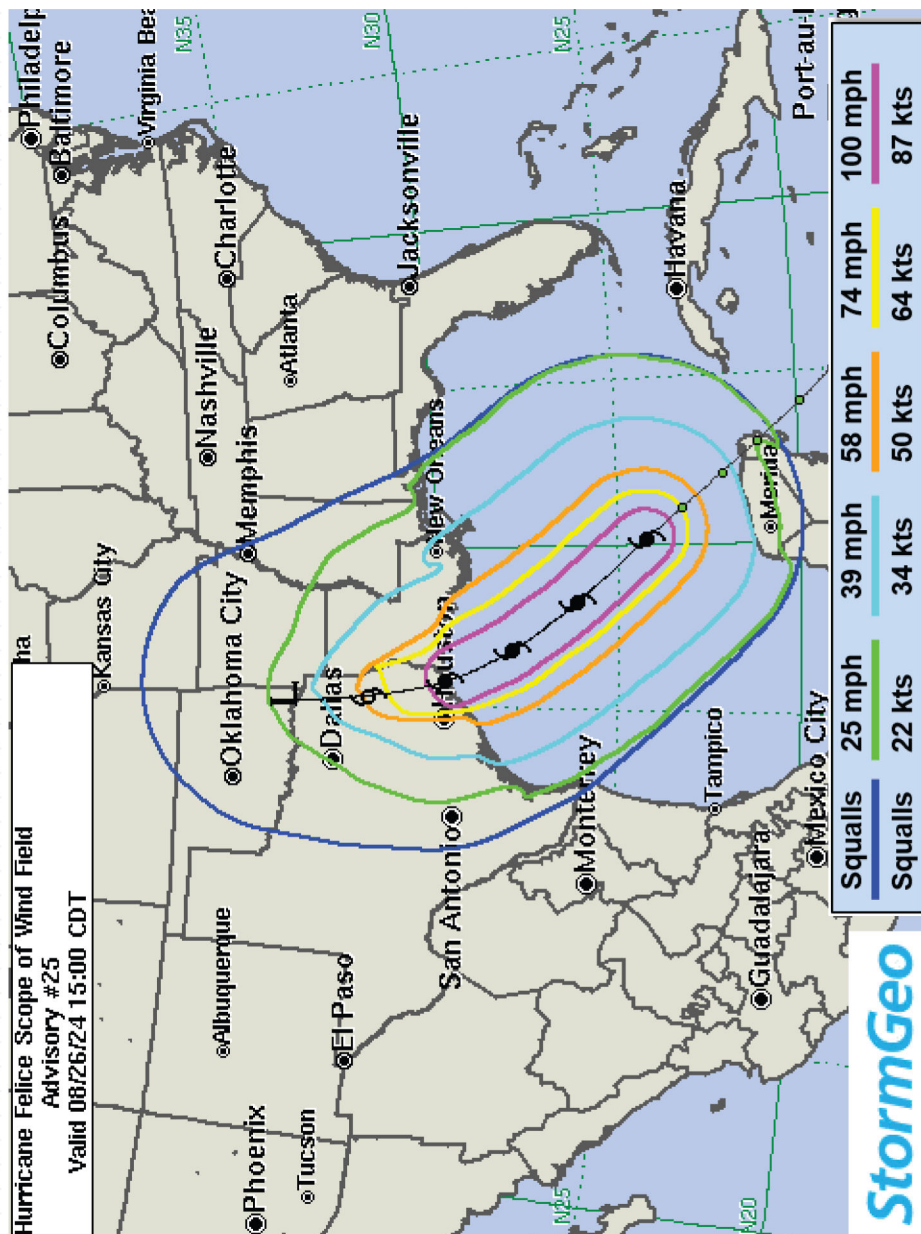
### Hurricane Felice

<b>Current Location</b>	24.2N, 89.8W				
<b>Geographic Reference</b>	465 miles SE of Galveston, TX				
<b>Movement</b>	Northwest at 15 mph				
<b>Max Winds</b>	130 mph gusting to 160 mph				
<b>Current Hurricane Severity Index</b>	37 out of a possible 50 points (22 size, 15 intensity)				
<b>Max Predicted Hurricane Severity Index</b>	38 out of a possible 50 points (23 size, 15 intensity)				
<b>Current Radius of Tropical Storm-Force Winds</b>	240 miles				
<b>Max Predicted Radius of Tropical Storm-Force Winds</b>	260 miles				
<b>Organizational Trend</b>	Steady				
<b>Forecast Confidence</b>	Average				
<b>Estimated Central Pressure</b>	931 mb				
<b>Valid</b>	<b>Classification</b>	<b>Lat</b>	<b>Lon</b>	<b>Winds</b>	<b>Gusts</b>
8/26/2024 3:00 PM CDT	Category 4	N 24.2	W 89.8	130 mph	160 mph
8/27/2024 3:00 AM CDT	Category 4	N 26.1	W 91.7	130 mph	160 mph
8/27/2024 3:00 PM CDT	Category 4	N 27.9	W 93.2	130 mph	160 mph
8/28/2024 3:00 AM CDT	Category 4	N 29.7	W 94.2	130 mph	160 mph
8/28/2024 3:00 PM CDT	Tropical Storm	N 31.8	W 94.7	60 mph	75 mph
8/29/2024 3:00 AM CDT	Tropical Depression	N 33.9	W 94.9	30 mph	45 mph





**Advisory 25 – 3 PM CDT Mon., Aug. 26:** Hurricane force winds are expected throughout the eastern CenterPoint service area on Wednesday.



Tropical storm force wind starting Tuesday evening and continuing into Wednesday evening.

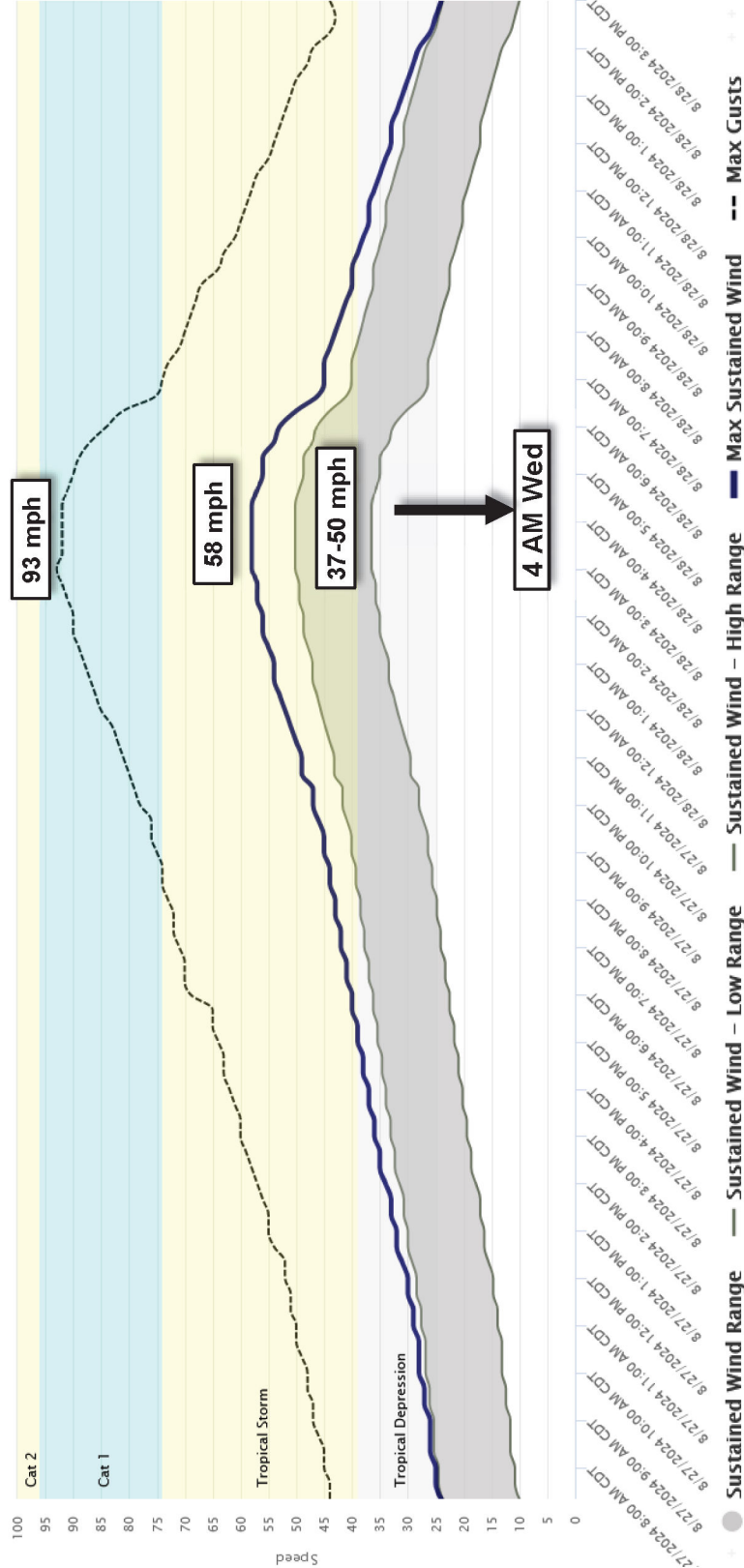
Hurricane force sustained wind predicted from late Wednesday morning to mid-afternoon, primarily eastern service area.



**Advisory 25 – 3 PM CDT Mon., Aug. 26: -- Downtown Houston office**

- Wind 35-60 mph with gusts to near 95 mph Wednesday morning
- Rainfall 5-10 inches with isolated totals 15 inches Tuesday PM through Wednesday afternoon
- Storm surge 15-18 ft. still possible in Galveston Bay and 20-25 ft up Houston Ship Channel Tuesday night/early Wednesday, though the track would have to shift back to the west for that to happen.

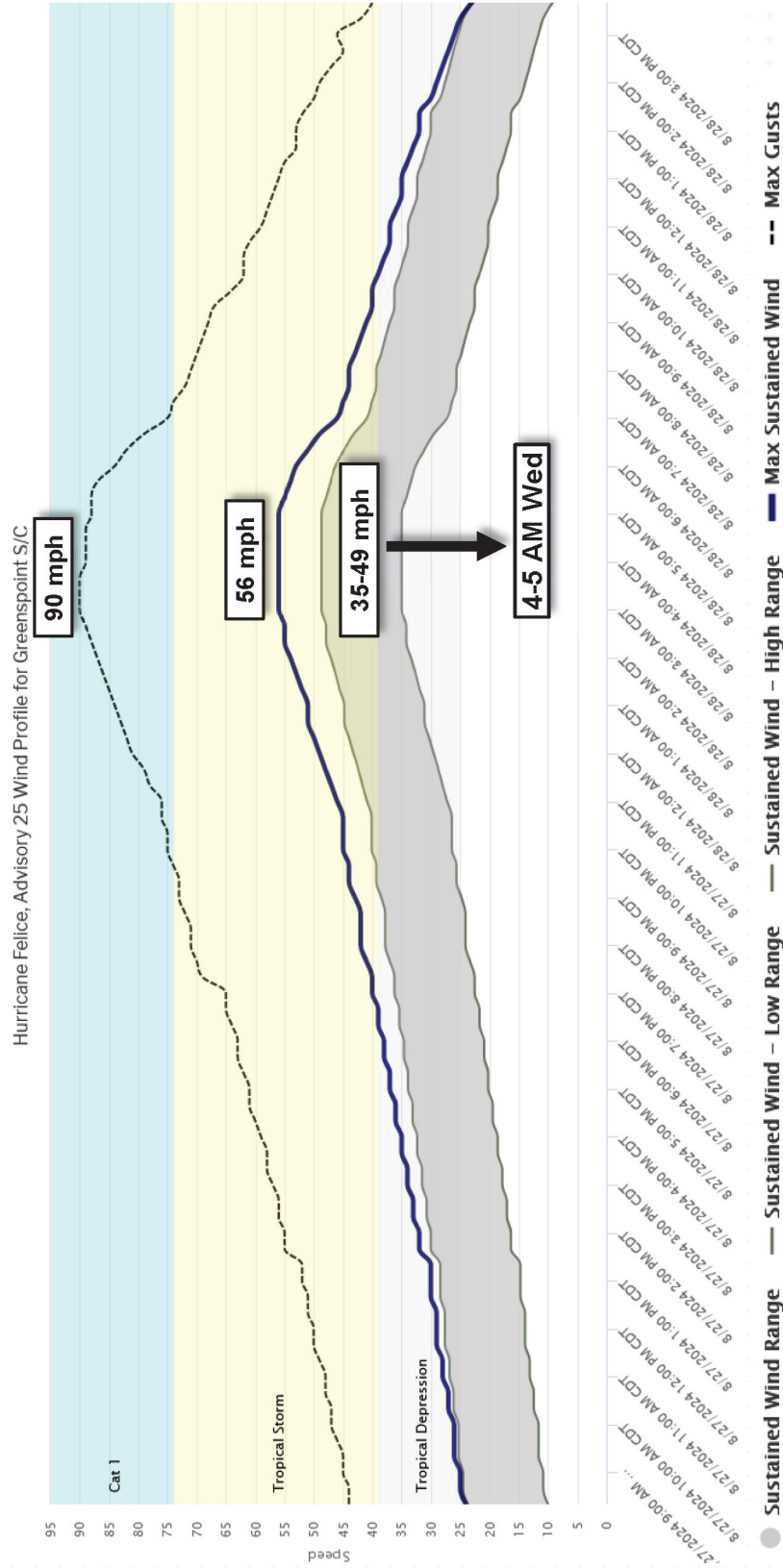
Hurricane Felice, Advisory 25 Wind Profile for Houston TX





**Advisory 25 – 3 PM CDT Mon., Aug. 26: -- Greenspoint office**

- Wind 35-56 mph with gusts to near 90 mph Wednesday morning
- Rainfall 5-10 inches with isolated totals 15 inches Tuesday PM through Wednesday PM





**Advisory 25 – 3 PM CDT Mon., Aug. 26: Phase 11 activated in 1 hour (39 mph wind predicted within 24 hrs)  
Phase 12 reached in 7 hrs – 10 PM this evening (39 mph wind predicted within 18 hrs)**

**Trigger Report for Centerpoint Energy, Houston TX -- Hurricane Felice Adv. #25**  
Issued: 03:00 PM CDT Monday, August 26, 2024

Current Conditions		Forecast Conditions	
Location	24.2N / 89.8W - 514 miles SE	Max Forecast Winds	130 mph gusting 160 mph (Cat 3)
Movement	NW @ 15 mph	Max Forecast HSI	38 (23 size / 15 intensity)
RPA Status	Positive	Hours to Next Trigger Point 1	
Winds	130 mph gusting 160 mph (Cat 3)	Estimated Next Trigger Point Reached	11 4PM Mon Aug 26
Current HSI	37 (22 size / 15 intensity)		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX					
Wind Field	Forecast ETA			Probability of Wind Impact	
	Hrs. Until Arrival	Arrival Time/Date	Duration	Hrs. Until Arrival	Worst-Case ETA
39 mph	25	4PM Tue Aug 27	18	17	8AM Tue Aug 27
58 mph	36	3AM Wed Aug 28	2	26	5PM Tue Aug 27
74 mph	N/A	N/A	N/A	30	9PM Tue Aug 27
100 mph	N/A	N/A	N/A	33	12AM Wed Aug 28

Phase	Trigger Parameter	Trigger Reached?	Estimated Hours Remaining and Time
1	Response Plan Activator - Positive (RPA+)	Yes	--
2	Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site	Yes	--
3	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site	Yes	--
4	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site	Yes	--
5	Forecast of 39 mph wind within 66 hours	Yes	--
6	Forecast of 39 mph wind within 60 hours	Yes	--
7	Forecast of 39 mph wind within 54 hours	Yes	--
8	Forecast of 39 mph wind within 48 hours	Yes	--
9	Forecast of 39 mph wind within 36 hours	Yes	--
10	Forecast of 39 mph wind within 30 hours	Yes	--
11	Forecast of 39 mph wind within 24 hours	No	1 hours - 4PM Mon Aug 26
12	Forecast of 39 mph wind within 18 hours	No	7 hours - 10PM Mon Aug 26
13	Forecast of 39 mph wind within 6 hours	No	19 hours - 10AM Tue Aug 27
14	Sustained wind falls below 39 mph - Recovery Begins	No	44 hours - 11AM Wed Aug 28

## Key Points From Advisory 25

3 PM Mon., Aug. 26



- Model spread on landfall is increasing. Foresee possible trend for a westward track shift in future advisories
- Sustained hurricane force wind with gusts over 100 mph possible for the eastern part of you service area, though most areas will see sustained wind below 74 mph.
- 5-10 inches with totals to 15 inches still possible across Houston
- Possible storm surge of 15-18 ft on the coast Tuesday night and 20-25 ft into Galveston Bay, causing extensive flooding along the bay and up the ship channel.
- Current Status: **Phase 11 in 1 hour (now) – (39 mph wind predicted within 24 hrs)**
- Next Trigger: **Phase 12 (arrival of 39 mph wind within 18 hrs) predicted in 7 hours (10 PM this evening)**



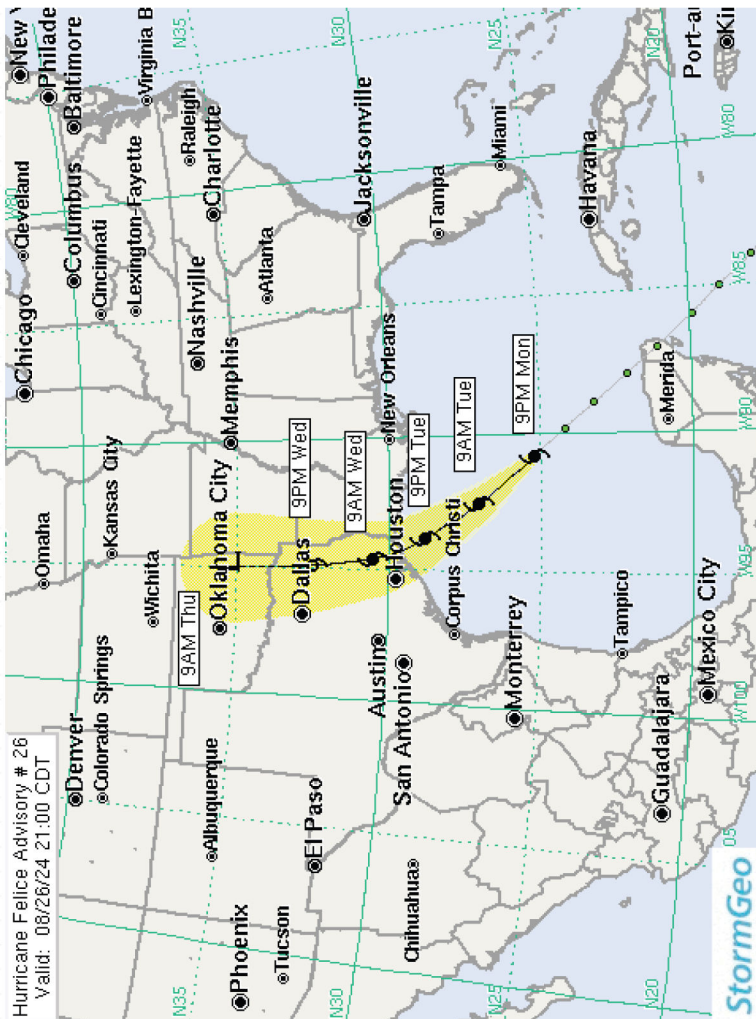
# Post-Advisory Discussion

**Advisory 26 – 9 PM CDT Mon., Aug. 26:** Felice's track still east of Houston but wind field larger. Major impacts across CenterPoint eastern service area are still expected due to its large size. Track could shift back to the west.

### Hurricane Felice

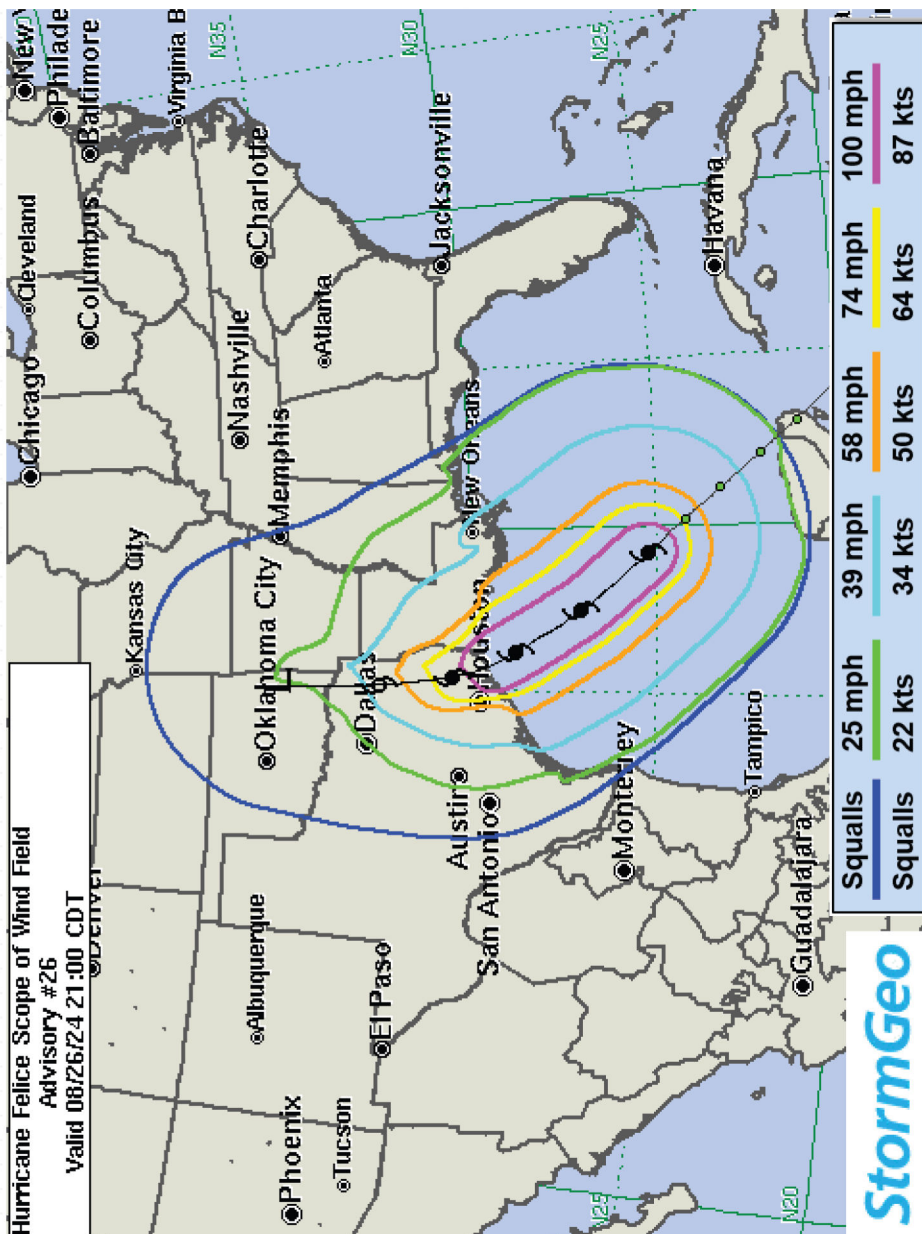
Current Location	25.2N, 90.8W
Geographic Reference	375 miles SE of Galveston, TX
Movement	Northwest at 15 mph
Max Winds	130 mph gusting to 160 mph
Current Hurricane Severity Index	37 out of a possible 50 points (22 size, 15 intensity)
Max Predicted Hurricane Severity Index	38 out of a possible 50 points (23 size, 15 intensity)
Current Radius of Tropical Storm-Force Winds	245 miles
Max Predicted Radius of Tropical Storm-Force Winds	260 miles
Organizational Trend	Steady
Forecast Confidence	Average
Estimated Central Pressure	932 mb

Valid	Classification	Lat	Lon	Winds	Gusts
8/26/2024 9:00 PM CDT	Category 4	N 25.2	W 90.8	130 mph	160 mph
8/27/2024 9:00 AM CDT	Category 4	N 27	W 92.5	130 mph	160 mph
8/27/2024 9:00 PM CDT	Category 4	N 28.8	W 93.8	130 mph	160 mph
8/28/2024 3:00 AM CDT	Category 4	N 29.6	W 94.3	130 mph	160 mph
8/28/2024 9:00 AM CDT	Category 1	N 30.5	W 94.6	90 mph	110 mph
8/28/2024 9:00 PM CDT	Tropical Storm	N 32.5	W 94.9	40 mph	50 mph
8/29/2024 9:00 AM CDT	Remnant Low	N 35	W 95	30 mph	35 mph





**Advisory 26 – 9 PM CDT Mon., Aug. 26:** Hurricane force winds are expected throughout the eastern CenterPoint service area on Wednesday.



Tropical storm force wind starting Tuesday evening and continuing into Wednesday evening.

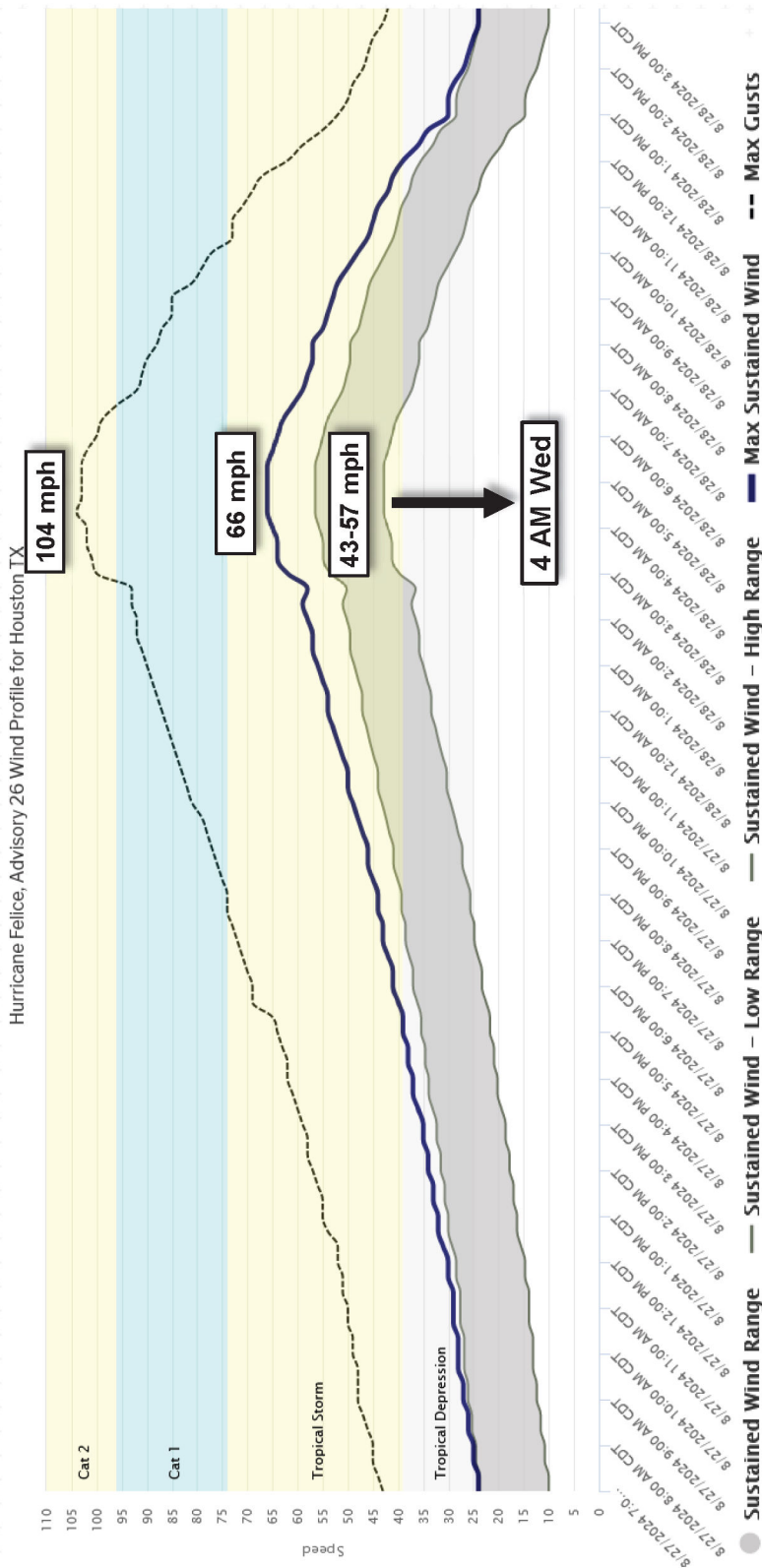
Hurricane force sustained wind predicted from late Wednesday morning to mid-afternoon, primarily eastern service area.





**Advisory 26 – 9 PM CDT Mon., Aug. 26: -- Downtown Houston office**

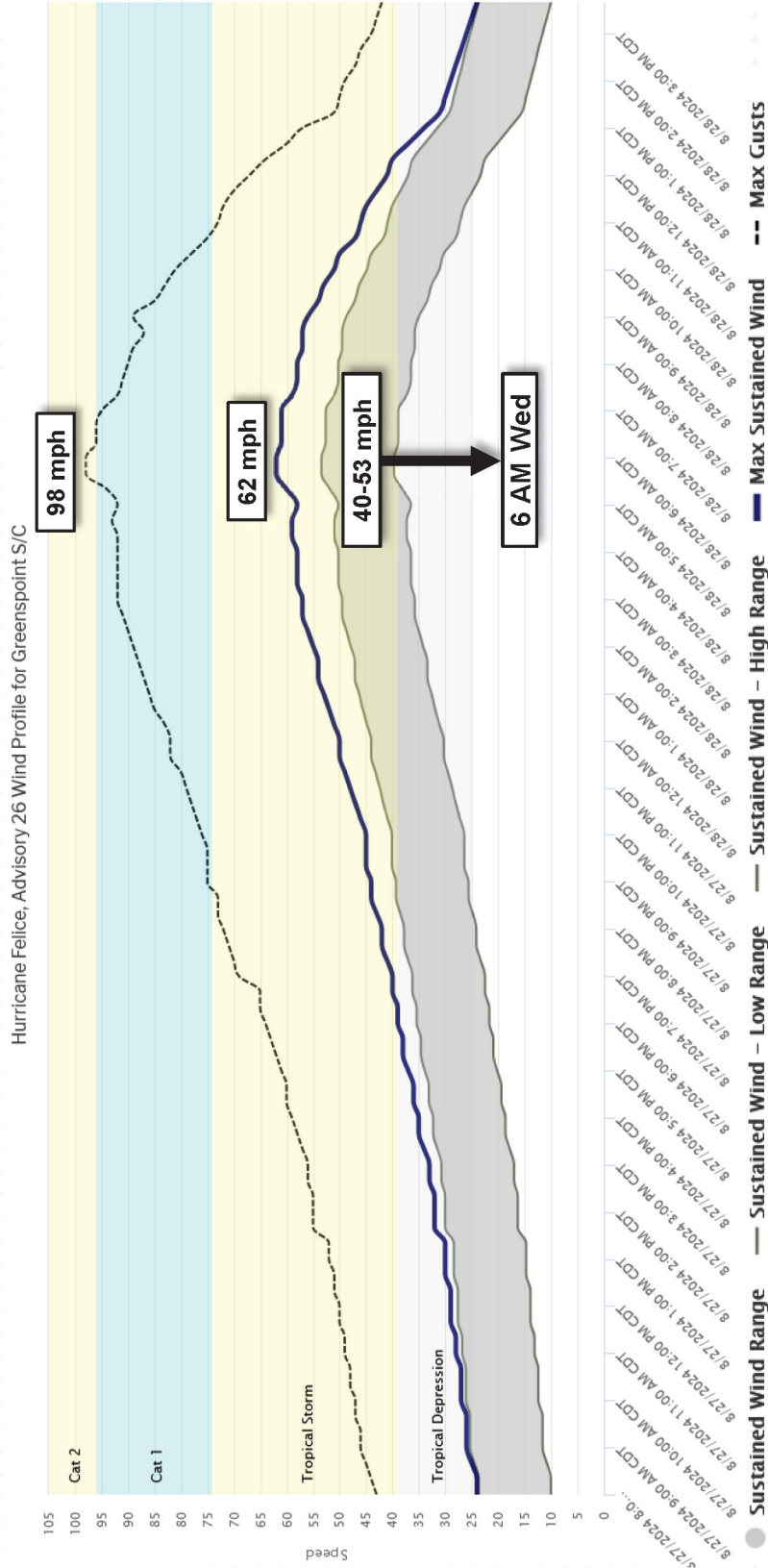
- Wind 45-65 mph with gusts to near 105 mph Wednesday morning
- Rainfall 5-10 inches with isolated totals 15 inches Tuesday PM through Wednesday afternoon
- Storm surge 15-18 ft. still possible in Galveston Bay and 20-25 ft up Houston Ship Channel Tuesday night/early Wednesday, though the track would have to shift back to the west for that to happen.





**Advisory 26 – 9 PM CDT Mon., Aug. 26: -- Greenspoint office**

- Wind 40-60 mph with gusts to near 100 mph Wednesday morning
- Rainfall 5-10 inches with isolated totals 15 inches Tuesday PM through Wednesday PM





**Advisory 26 – 9 PM CDT Mon., Aug. 26: Phase 12 activated in 1 hour (39 mph wind predicted within 18 hrs)  
Phase 13 reached in 13 hrs – 10 AM tomorrow(39 mph wind predicted within 6 hrs)**

Trigger Report for Centerpoint Energy, Houston TX – Hurricane Felice Adv. #26  
Issued: 09:00 PM CDT Monday, August 26, 2024

Current Conditions		Forecast Conditions	
Location	25.2N / 90.8W - 421 miles SE	Max Forecast Winds	130 mph gusting 160 mph (Cat 3)
Movement	NW @ 14 mph	Max Forecast HSI	38 (23 size / 15 intensity)
RPA Status	Positive	Hours to Next Trigger Point <sup>1</sup>	
Winds	130 mph gusting 160 mph (Cat 3)	Estimated Next Trigger Point Reached	10PM Mon Aug 26
Current HSI	37 (22 size / 15 intensity)		
Current Indicated Phase	11		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX						
Wind Field	Hrs. Until Arrival	Forecast ETA		Worst-Case ETA		Probability of Wind Impact
		Arrival Time/Date	Duration	Hrs. Until Arrival	Arrival Time/Date	
39 mph	19	4PM Tue Aug 27	20	11	8AM Tue Aug 27	92%
58 mph	29	2AM Wed Aug 28	6	20	5PM Tue Aug 27	56%
74 mph	N/A	N/A	N/A	24	9PM Tue Aug 27	45%
100 mph	N/A	N/A	N/A	28	1AM Wed Aug 28	33%

Phase	Trigger Parameter	Trigger Reached?	Estimated Hours Remaining and Time
1	Response Plan Activator - Positive (RPA+)	Yes	--
2	Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site	Yes	--
3	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site	Yes	--
4	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site	Yes	--
5	Forecast of 39 mph wind within 66 hours	Yes	--
6	Forecast of 39 mph wind within 60 hours	Yes	--
7	Forecast of 39 mph wind within 54 hours	Yes	--
8	Forecast of 39 mph wind within 48 hours	Yes	--
9	Forecast of 39 mph wind within 36 hours	Yes	--
10	Forecast of 39 mph wind within 30 hours	Yes	--
11	Forecast of 39 mph wind within 24 hours	Yes	--
12	Forecast of 39 mph wind within 18 hours	No	1 hours - 10PM Mon Aug 26
13	Forecast of 39 mph wind within 6 hours	No	13 hours - 10AM Tue Aug 27
14	Sustained wind falls below 39 mph - Recovery Begins	No	40 hours - 1PM Wed Aug 28

## Key Points From Advisory 26

### 9 PM Mon., Aug. 26

**StormGeo**  
Navigate tomorrow – today



- Model spread on landfall is increasing. Predicted wind field size is larger. Foresee possible trend in a westward track shift in future advisories.
- Sustained hurricane force wind with gusts over 100 mph possible for the eastern part of you service area, though most areas will see sustained wind below 74 mph.
- 5-10 inches with totals to 15 inches still possible across Houston
- Possible storm surge of 15-18 ft on the coast Tuesday night and 20-25 ft into Galveston Bay, causing extensive flooding along the bay and up the ship channel.
- Current Status: **Phase 12 in 1 hour (now) – (39 mph wind predicted within 18 hrs)**
- Next Trigger: **Phase 13 (arrival of 39 mph wind within 6 hrs) predicted in 13 hours (10 AM this tomorrow)**



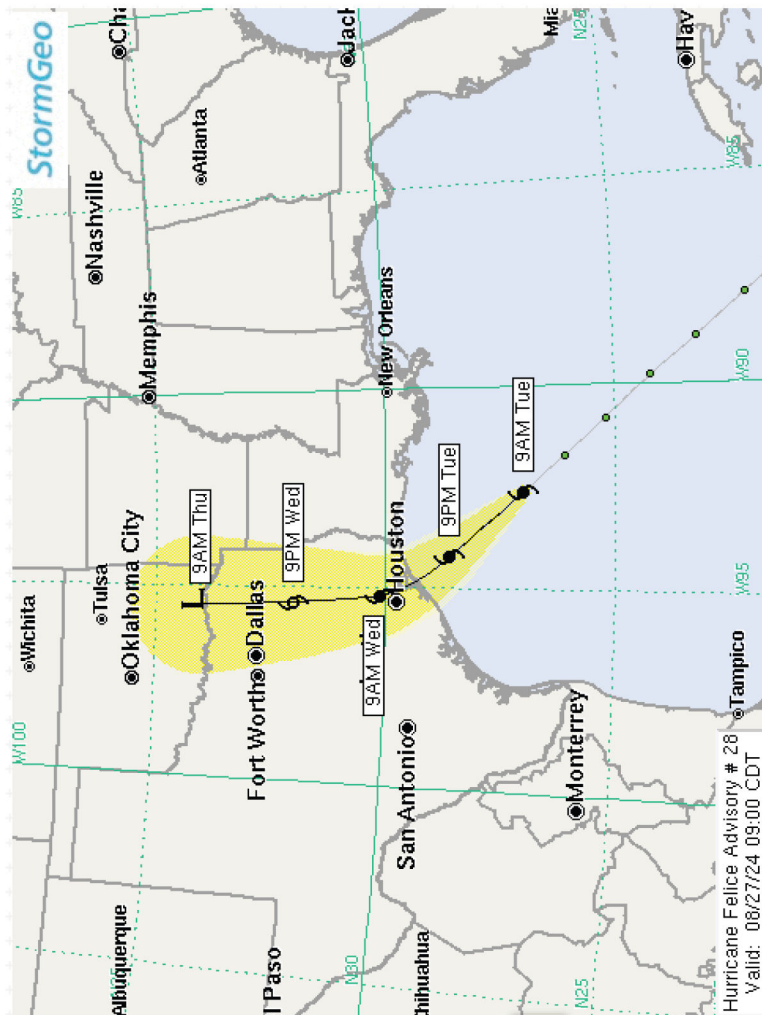
# Post-Advisory Discussion

**Advisory 28 – 9 AM CDT Tue., Aug. 27:** Track has, indeed, shifted back west to nearly over downtown Houston Wednesday morning. Very strong wind and a significant storm surge more likely tomorrow.

### Hurricane Felice

Current Location	27.0N, 92.6W
Geographic Reference	205 miles SE of Galveston, TX
Movement	Northwest at 13 mph
Max Winds	125 mph gusting to 150 mph
Current Hurricane Severity Index	36 out of a possible 50 points (23 size, 13 intensity)
Max Predicted Hurricane Severity Index	36 out of a possible 50 points (23 size, 13 intensity)
Current Radius of Tropical Storm-Force Winds	260 miles
Max Predicted Radius of Tropical Storm-Force Winds	260 miles
Organizational Trend	Steady
Forecast Confidence	Average
Estimated Central Pressure	933 mb

Valid	Classification	Lat	Lon	Winds	Gusts
8/27/2024 9:00 AM CDT	Category 3	N 27	W 92.6	125 mph	150 mph
8/27/2024 9:00 PM CDT	Category 3	N 28.6	W 94.2	125 mph	150 mph
8/28/2024 3:00 AM CDT	Category 3	N 29.3	W 94.8	125 mph	150 mph
8/28/2024 9:00 AM CDT	Category 1	N 30.1	W 95.2	90 mph	110 mph
8/28/2024 9:00 PM CDT	Tropical Storm	N 32	W 95.4	40 mph	50 mph
8/29/2024 9:00 AM CDT	Remnant Low	N 34	W 95.5	30 mph	35 mph

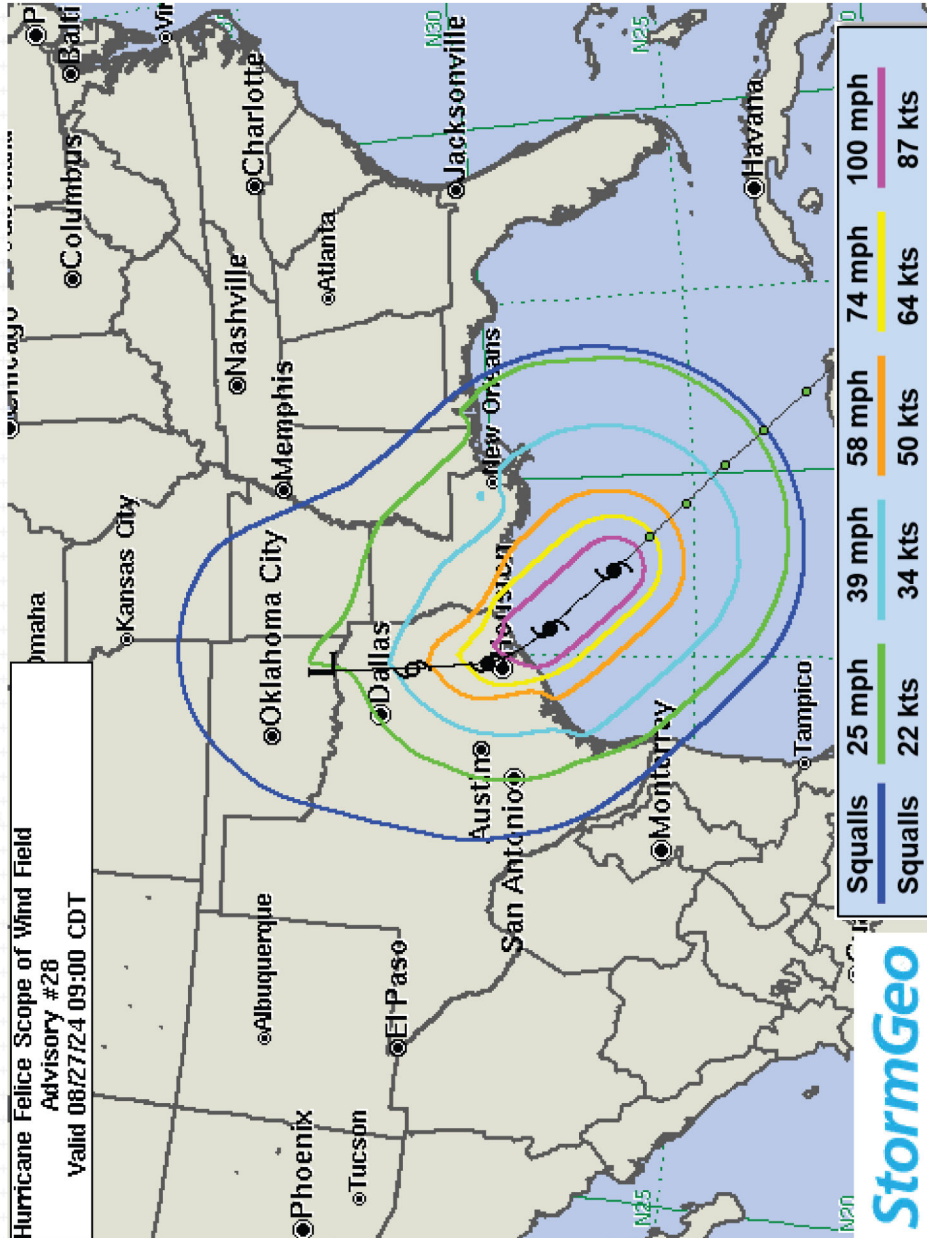


Hurricane Felice Advisory # 28  
Valid: 08/27/24 09:00 CDT



**Advisory 28 – 9 AM CDT Tue., Aug. 27:** Hurricane force winds are expected throughout most of the CenterPoint service area tomorrow morning

Hurricane Felice Scope of Wind Field  
Advisory #28  
Valid 06/27/24 09:00 CDT

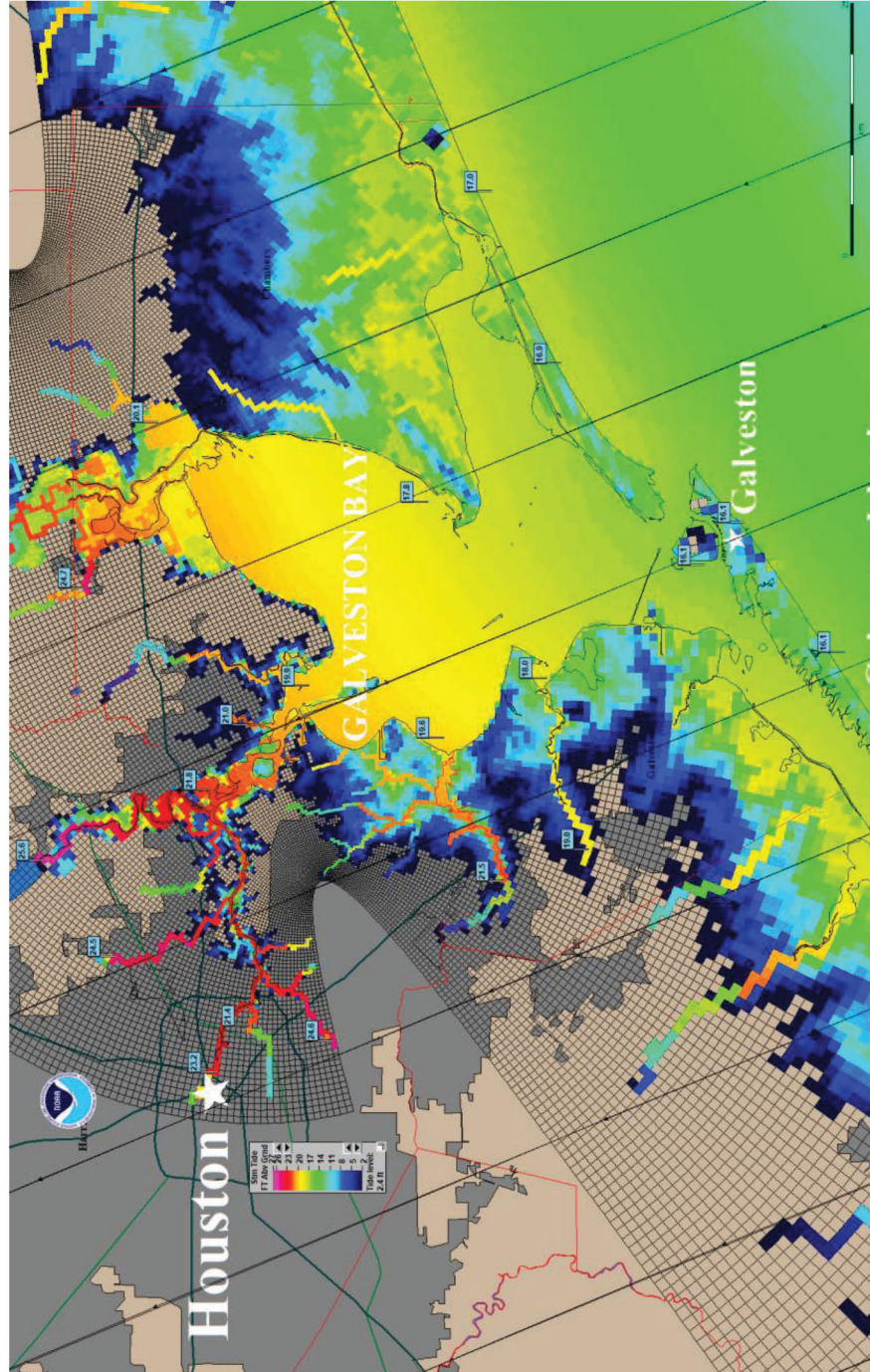


Tropical storm force wind is reaching the coast now.

Hurricane force wind will be moving ashore this evening.

Hurricane force sustained wind predicted from late tonight to mid-morning Wednesday over all of CenterPoint service area.

**Advisory 28 – 9 AM CDT Tue., Aug. 27:** Large storm surge to move ashore into Galveston Bay Tuesday night/Wednesday morning. Significant flooding expected.



Storm surge of 15-18 ft near and east of where the center moves ashore.

This surge would be near 20 ft into western Galveston Bay and 20-25 ft up the Houston Ship Channel, causing extensive flooding to refineries and possibly flooding downtown Houston due to Buffalo Bayou overflowing its banks.

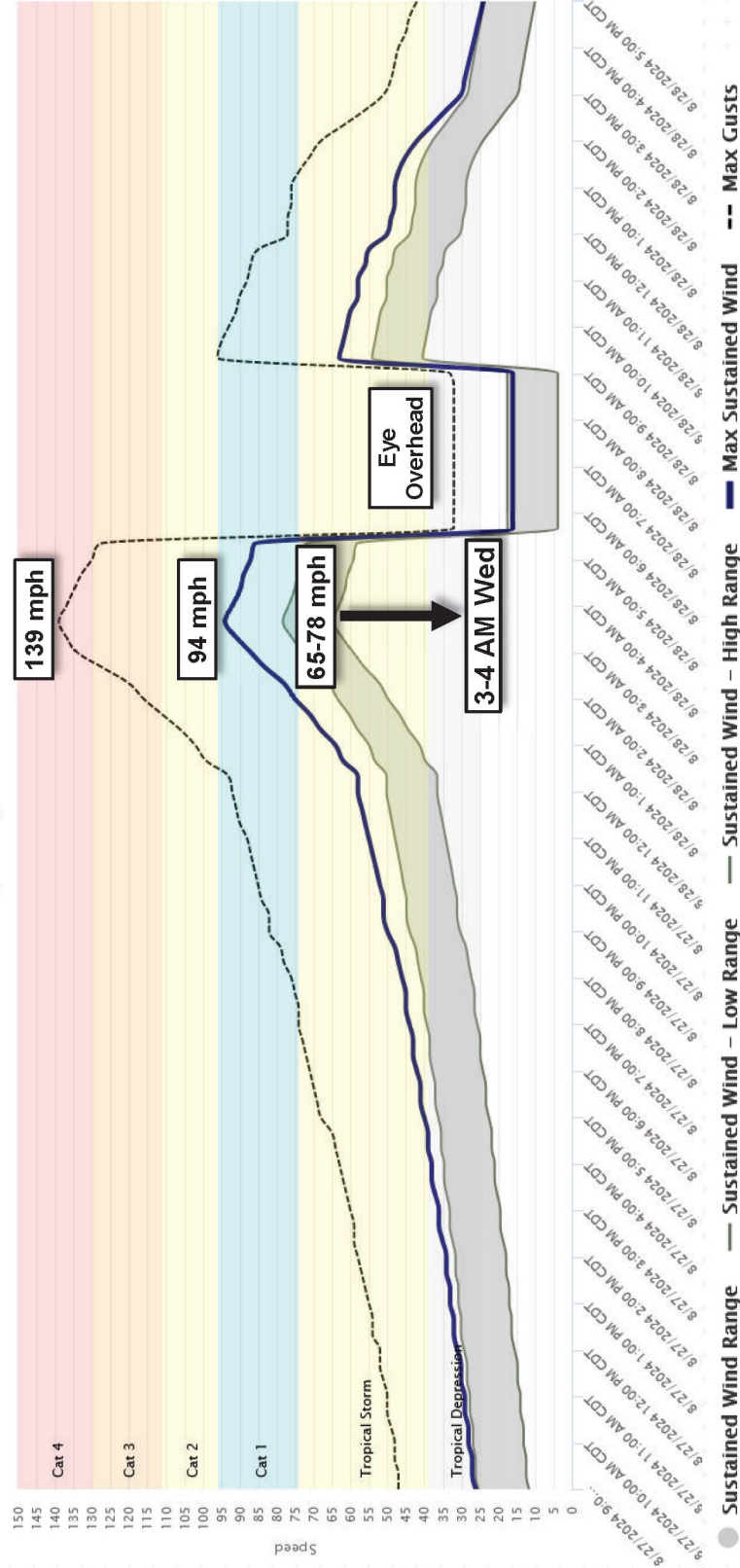


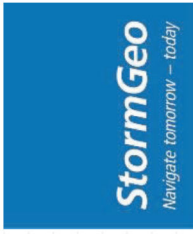


**Advisory 28 – 9 AM CDT Tue., Aug. 27: -- Downtown Houston office**

- Wind 65-95 mph with gusts to near 140 mph early tomorrow morning
- Rainfall 6-12 inches with isolated totals 18 inches this afternoon through tomorrow afternoon
- Storm surge 15-18 ft. now likely in Galveston Bay and 20-25 ft up Houston Ship Channel late tonight/early tomorrow

Hurricane Felice, Advisory 28 Wind Profile for Houston TX

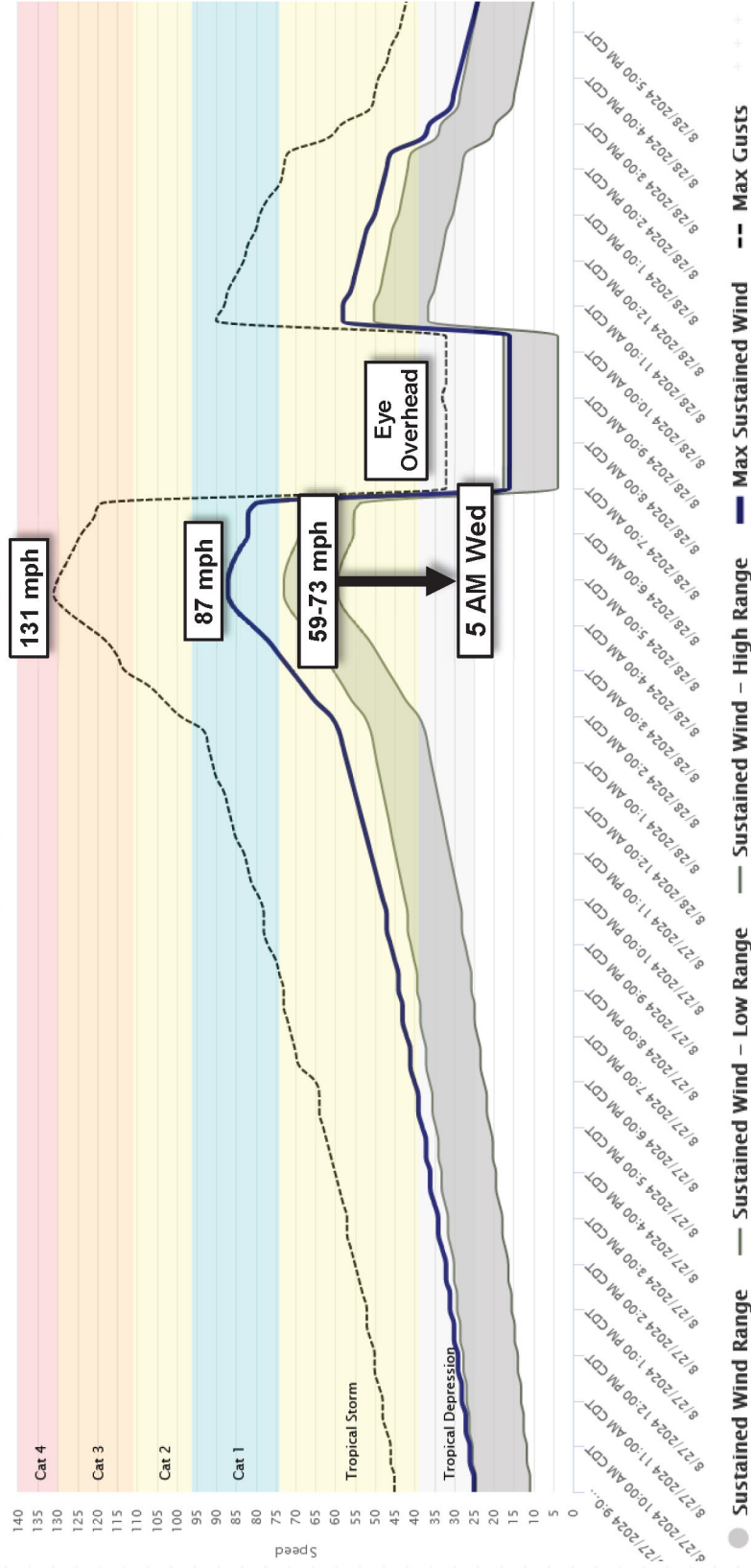




**Advisory 28 – 9 AM CDT Tue., Aug. 27: -- Greenspoint office**

- Wind 60-75 mph with gusts to near 130 mph tomorrow morning
- Rainfall 6-12 inches with isolated totals 18 inches this afternoon through tomorrow afternoon

Hurricane Felice, Advisory 28 Wind Profile for Greenspoint S/C





**Advisory 28 – 9 AM CDT Tue., Aug. 27: Phase 13 activated (39 mph wind predicted within 6 hrs)  
Phase 14 reached in 30 hrs – 3 PM tomorrow (sustained wind drops below 39 mph - Recovery)**

Trigger Report for Centerpoint Energy, Houston TX – Hurricane Felice Adv. #28  
Issued: 09:00 AM CDT Tuesday, August 27, 2024

Current Conditions		Forecast Conditions	
Location	27N / 92.6W - 254 miles SE	Max Forecast Winds	125 mph gusting 150 mph (Cat 3)
Movement	NW @ 12 mph	Max Forecast HSI	36 (23 size / 13 intensity)
RPA Status	Positive	Hours to Next Trigger Point	30
Winds	125 mph gusting 150 mph (Cat 3)	Estimated Next Trigger Point Reached	14 3PM Wed Aug 28
Current HSI	36 (23 size / 13 intensity)		
Current Indicated Phase	13		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX							
Wind Field	Forecast ETA		Worst-Case ETA		Probability of Wind Impact		
	Hrs. Until Arrival	Arrival Time/Date	Duration	Hrs. Until Arrival	Time/Date	Value	Trend
39 mph	6	3PM Tue Aug 27	23	N/A	-	99%	+2%
58 mph	15	12AM Wed Aug 28	12	8	5PM Tue Aug 27	80%	+12%
74 mph	17	2AM Wed Aug 28	4	12	9PM Tue Aug 27	69%	+13%
100 mph	N/A	N/A	N/A	16	1AM Wed Aug 28	42%	+4%

Phase	Trigger Parameter	Trigger Reached?	Estimated Hours Remaining and Time
1	Response Plan Activator - Positive (RPA+)	Yes	--
2	Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site	Yes	--
3	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site	Yes	--
4	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site	Yes	--
5	Forecast of 39 mph wind within 66 hours	Yes	--
6	Forecast of 39 mph wind within 60 hours	Yes	--
7	Forecast of 39 mph wind within 54 hours	Yes	--
8	Forecast of 39 mph wind within 48 hours	Yes	--
9	Forecast of 39 mph wind within 36 hours	Yes	--
10	Forecast of 39 mph wind within 30 hours	Yes	--
11	Forecast of 39 mph wind within 24 hours	Yes	--
12	Forecast of 39 mph wind within 18 hours	Yes	--
13	Forecast of 39 mph wind within 6 hours	Yes	--
14	Sustained wind falls below 39 mph - Recovery Begins	No	30 hours - 3PM Wed Aug 28

## Key Points From Advisory 28

9 AM Tue., Aug. 27



- Track has shifted back to over Houston. Felice will make landfall as a very large and powerful Category 3 hurricane early tomorrow with max wind 125 gusting 150 mph
- Sustained hurricane force wind with gusts over 100 mph likely for most of the CenterPoint service area
- 6-12 inches with totals to 18 inches expected across Houston this afternoon through Wednesday afternoon
- Likely storm surge of 15-18 ft on the coast tonight and 20-25 ft into Galveston Bay, causing extensive flooding along the bay and up the ship channel.
- Current Status: Phase 13 – (39 mph wind predicted within 6 hrs)
- Next Trigger: Phase 14 (wind falls below 39 mph - Recovery) predicted in 30 hours (3 PM tomorrow)

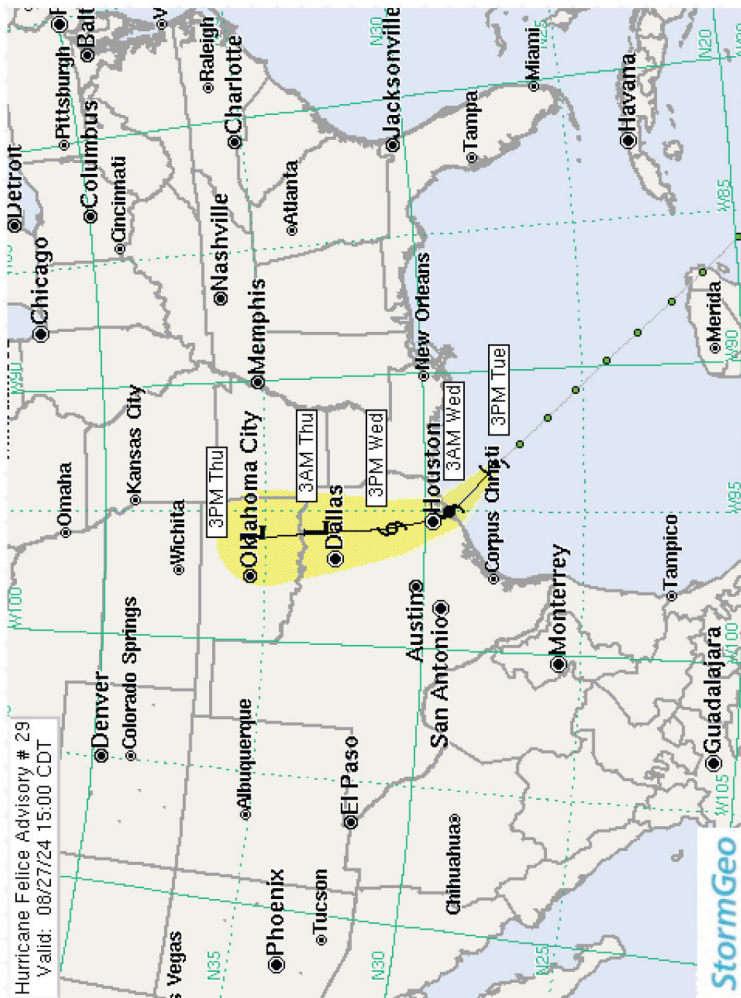


# Post-Advisory Discussion

**Advisory 29 – 3 PM CDT Tue., Aug. 27:** Eye will pass over downtown Houston tomorrow morning. Very strong wind and a significant storm surge likely tomorrow.

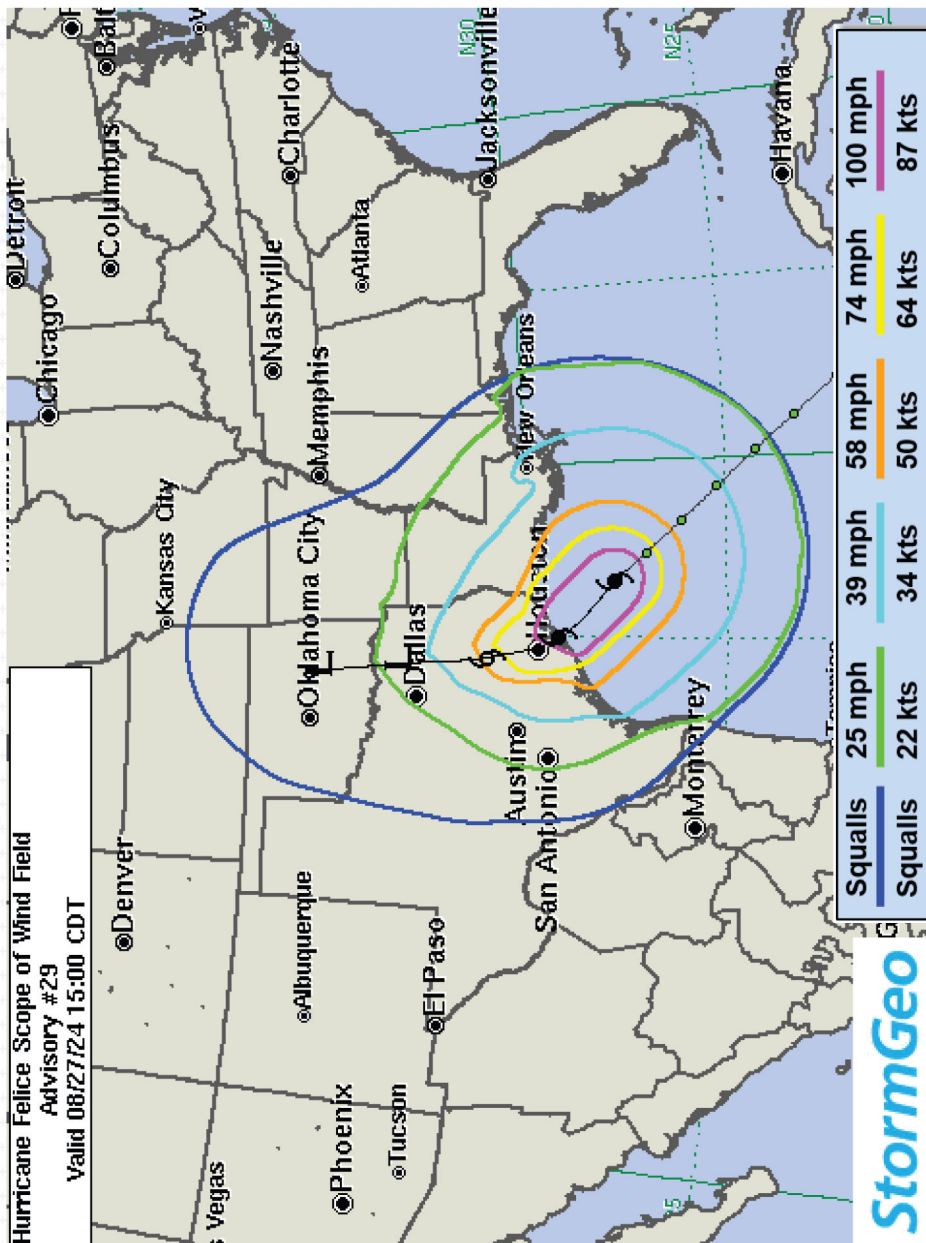
### Hurricane Felice

Current Location	27.0N, 92.6W				
Geographic Reference	205 miles SE of Galveston, TX				
Movement	Northwest at 13 mph				
Max Winds	125 mph gusting to 150 mph				
Current Hurricane Severity Index	36 out of a possible 50 points (23 size, 13 intensity)				
Max Predicted Hurricane Severity Index	36 out of a possible 50 points (23 size, 13 intensity)				
Current Radius of Tropical Storm-Force Winds	260 miles				
Max Predicted Radius of Tropical Storm-Force Winds	260 miles				
Organizational Trend	Steady				
Forecast Confidence	Average				
Estimated Central Pressure	933 mb				
Valid	Classification	Lat	Lon	Winds	Gusts
8/27/2024 9:00 AM CDT	Category 3	N 27	W 92.6	125 mph	150 mph
8/27/2024 9:00 PM CDT	Category 3	N 28.6	W 94.2	125 mph	150 mph
8/28/2024 3:00 AM CDT	Category 3	N 29.3	W 94.8	125 mph	150 mph
8/28/2024 9:00 AM CDT	Category 1	N 30.1	W 95.2	90 mph	110 mph
8/28/2024 9:00 PM CDT	Tropical Storm	N 32	W 95.4	40 mph	50 mph
8/29/2024 9:00 AM CDT	Remnant Low	N 34	W 95.5	30 mph	35 mph



**Advisory 29 – 3 PM CDT Tue., Aug. 27:** Hurricane force winds are expected throughout most of the CenterPoint service area tomorrow morning

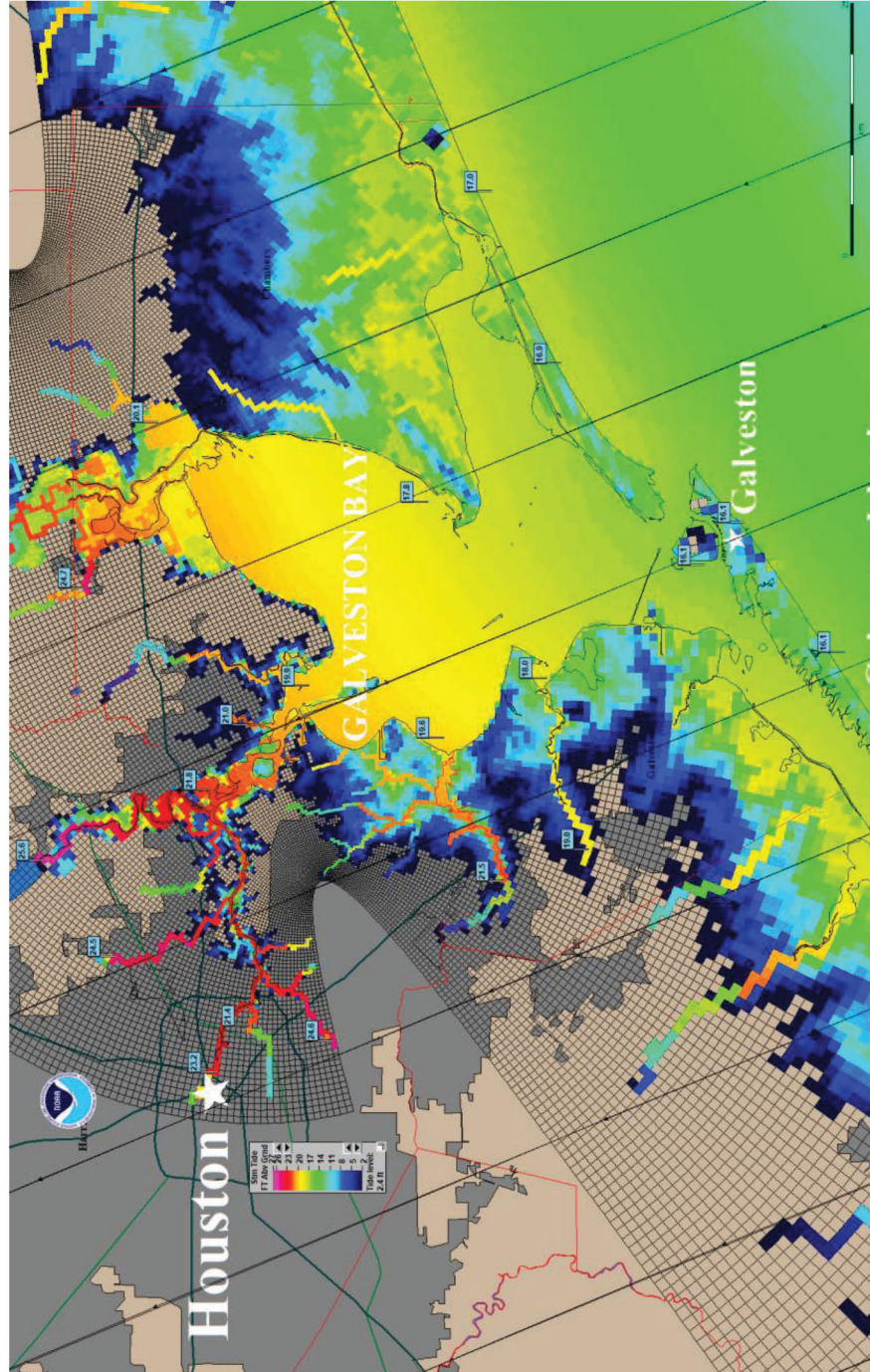
**Hurricane Felice Scope of Wind Field  
Advisory #29  
Valid 06/27/24 15:00 CDT**



Tropical storm force wind now occurring over much of southeast Texas. Hurricane force wind will be moving ashore this evening.

Hurricane force sustained wind predicted from late tonight to mid-morning Wednesday over all of CenterPoint service area.

**Advisory 29 – 3 PM CDT Tue., Aug. 27:** Large storm surge will be moving ashore into Galveston Bay tonight. Very significant flooding is expected from Galveston Island to the northern ship channel into downtown Houston.



Storm surge of 15-18 ft near and east of where the center moves ashore.

This surge would be near 20 ft into western Galveston Bay and 20-25 ft up the Houston Ship Channel, causing extensive flooding to refineries and possibly flooding downtown Houston due to Buffalo Bayou overflowing its banks.

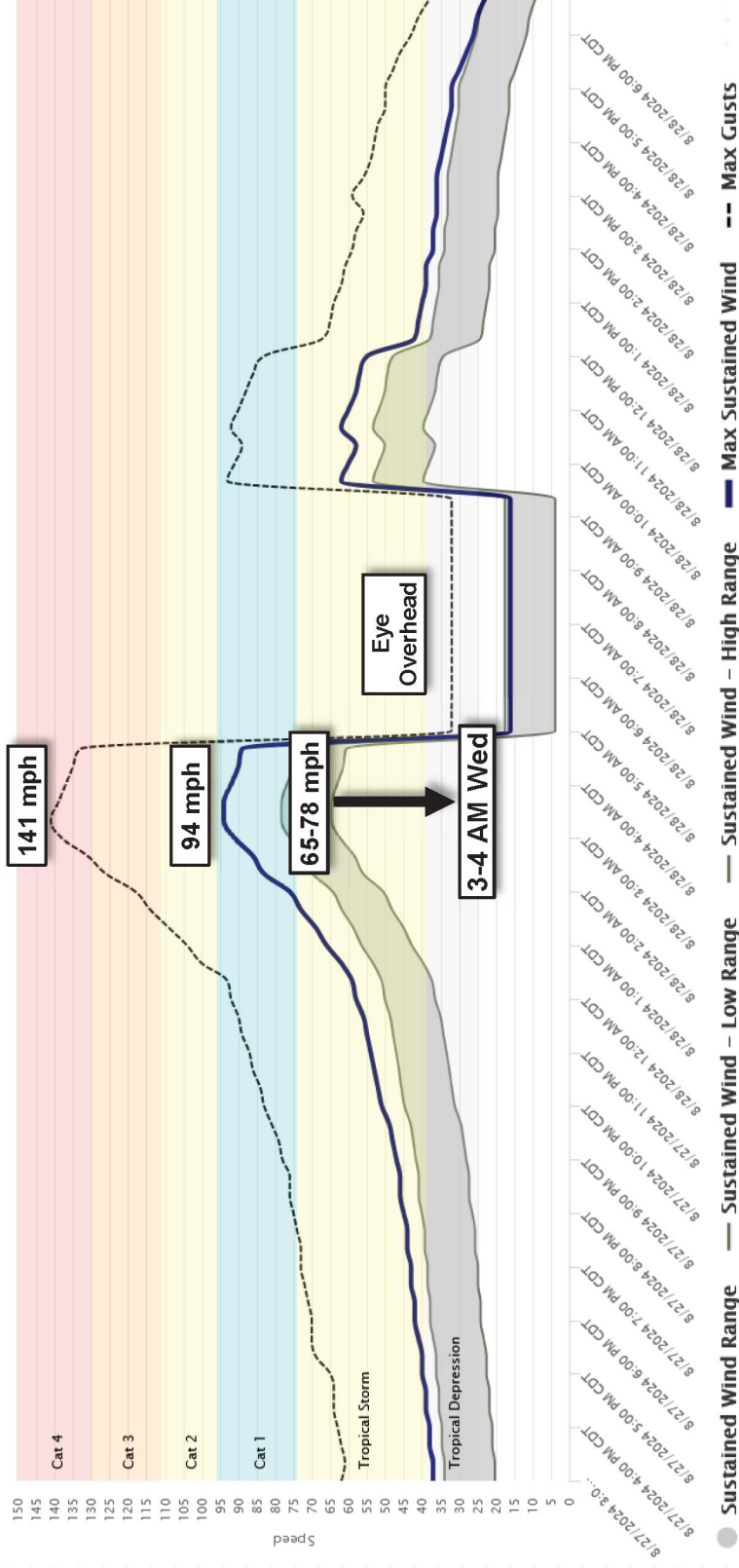


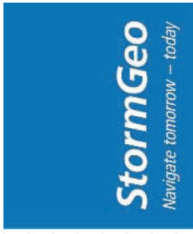


**Advisory 29 – 3 PM CDT Tue., Aug. 27: -- Downtown Houston office**

- Wind 65-95 mph with gusts to near 140 mph early tomorrow morning
- Rainfall 6-12 inches with isolated totals 18 inches this afternoon through tomorrow afternoon
- Storm surge 15-18 ft. likely in Galveston Bay and 20-25 ft up Houston Ship Channel late tonight/early tomorrow

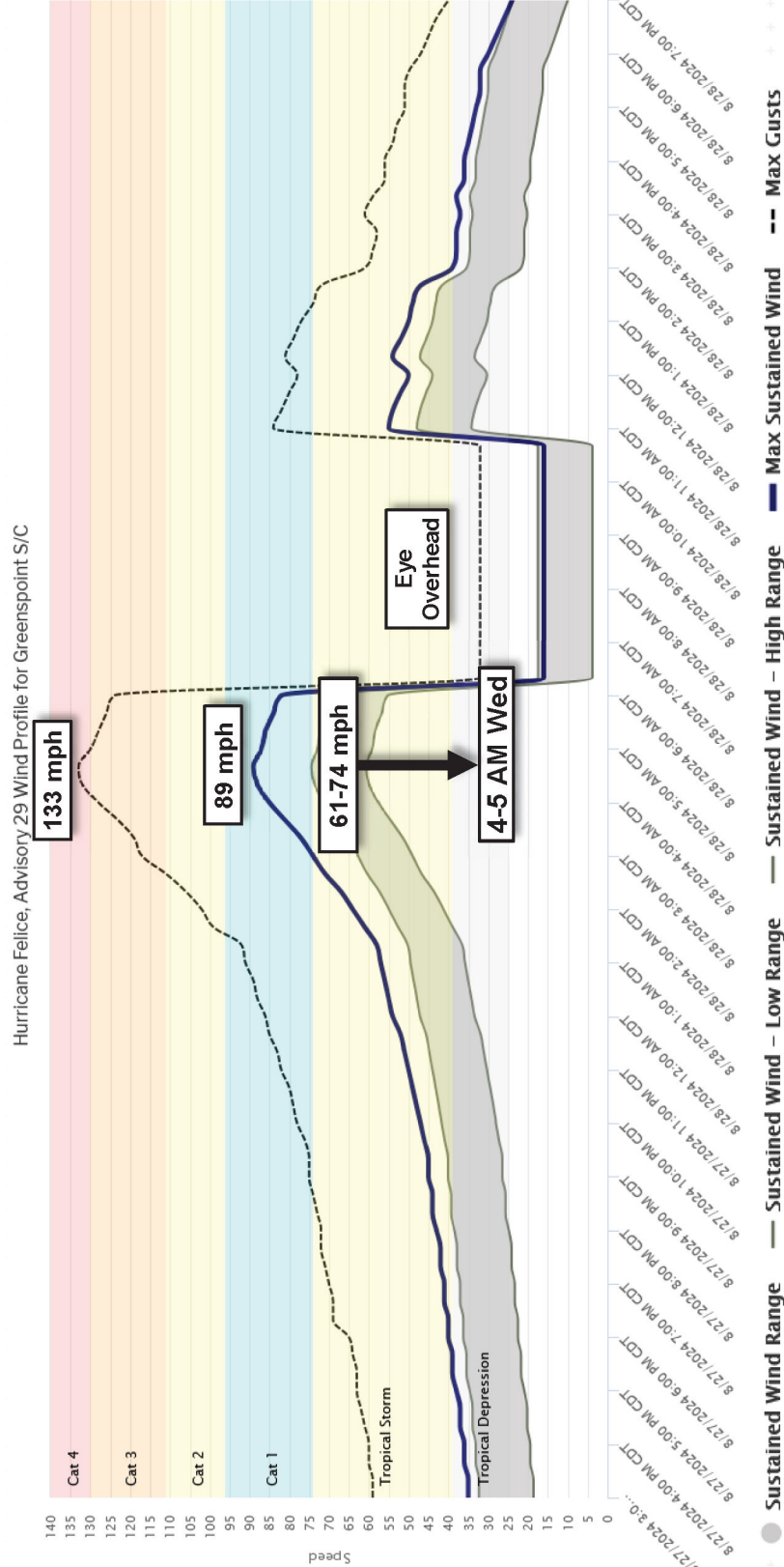
Hurricane Felice, Advisory 29 Wind Profile for Houston TX





**Advisory 29 – 3 PM CDT Tue., Aug. 27: -- Greenspoint office**

- Wind 60-90 mph with gusts to near 135 mph tomorrow morning
- Rainfall 6-12 inches with isolated totals 18 inches this afternoon through tomorrow afternoon





**Advisory 29 – 3 PM CDT Tue., Aug. 27: Phase 13 remains activated (39 mph wind predicted within 6 hrs)  
Phase 14 reached in 23 hrs – 2 PM tomorrow (sustained wind drops below 39 mph - Recovery)**

**Trigger Report for Centerpoint Energy, Houston TX – Hurricane Felice Adv. #29**  
Issued: 03:00 PM CDT Tuesday, August 27, 2024

Current Conditions		Forecast Conditions	
Location	27.8N / 93.4W - 180 miles SE	Max Forecast Winds	125 mph gusting 150 mph (Cat 3)
Movement	NW @ 11 mph	Max Forecast HSI	36 (23 size / 13 Intensity)
RPA Status	Positive	Hours to Next Trigger Point	23
Winds	125 mph gusting 150 mph (Cat 3)	Estimated Next Trigger Point Reached	14 2PM Wed Aug 28
Current HSI	36 (23 size / 13 intensity)		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX						
Wind Field	Forecast ETA			Worst-Case ETA		Probability of Wind Impact
	Hrs. Until Arrival	Arrival Time/Date	Duration	Hrs. Until Arrival	Arrival Time/Date	
39 mph	0	3PM Tue Aug 27	23	N/A	-	100%
58 mph	9	12AM Wed Aug 28	12	3	6PM Tue Aug 27	88%
74 mph	10	1AM Wed Aug 28	4	7	10PM Tue Aug 27	78%
100 mph	N/A	N/A	N/A	10	1AM Wed Aug 28	46%

Phase	Trigger Parameter	Trigger Reached?	Estimated Hours Remaining and Time
1	Response Plan Activator - Positive (RPA+)	Yes	--
2	Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site	Yes	--
3	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site	Yes	--
4	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site	Yes	--
5	Forecast of 39 mph wind within 66 hours	Yes	--
6	Forecast of 39 mph wind within 60 hours	Yes	--
7	Forecast of 39 mph wind within 54 hours	Yes	--
8	Forecast of 39 mph wind within 48 hours	Yes	--
9	Forecast of 39 mph wind within 36 hours	Yes	--
10	Forecast of 39 mph wind within 30 hours	Yes	--
11	Forecast of 39 mph wind within 24 hours	Yes	--
12	Forecast of 39 mph wind within 18 hours	Yes	--
13	Forecast of 39 mph wind within 6 hours	Yes	--
14	Sustained wind falls below 39 mph - Recovery Begins	No	23 hours - 2PM Wed Aug 28

## Key Points From Advisory 29

### 3 PM Tue., Aug. 27



- Felice will make landfall as a very large and powerful Category 3 hurricane early tomorrow with max wind 125 gusting 150 mph
- Sustained hurricane force wind with gusts over 100 mph likely for most of the CenterPoint service area
- 6-12 inches with totals to 18 inches expected across Houston through tomorrow
- Likely storm surge of 15-18 ft on the coast tonight and 20-25 ft into Galveston Bay, causing extensive flooding along the bay and up the ship channel.
- Current Status: Phase 13 – (39 mph wind predicted within 6 hrs)
- Next Trigger: Phase 14 (wind falls below 39 mph - Recovery) predicted in 23 hours (3 PM tomorrow)

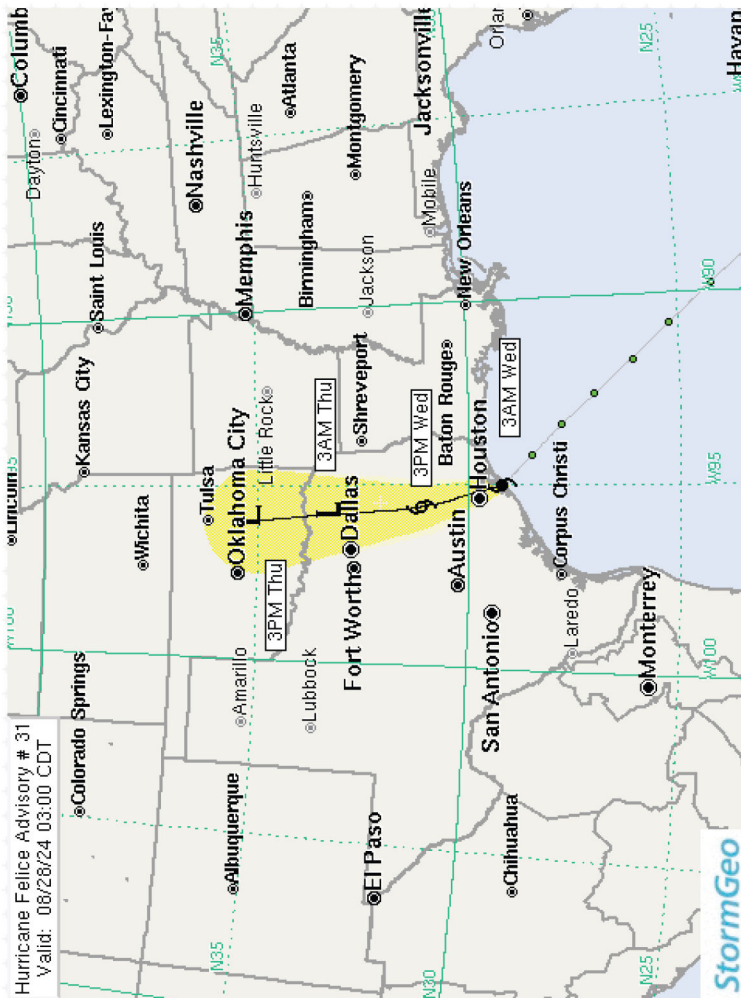


# Post-Advisory Discussion

**Advisory 31 – 3 AM CDT Wed., Aug. 28:** Felice has made landfall over eastern Galveston island with max sustained wind 125 mph gusting 150 mph. Rapidly deteriorating weather across southeast Texas.

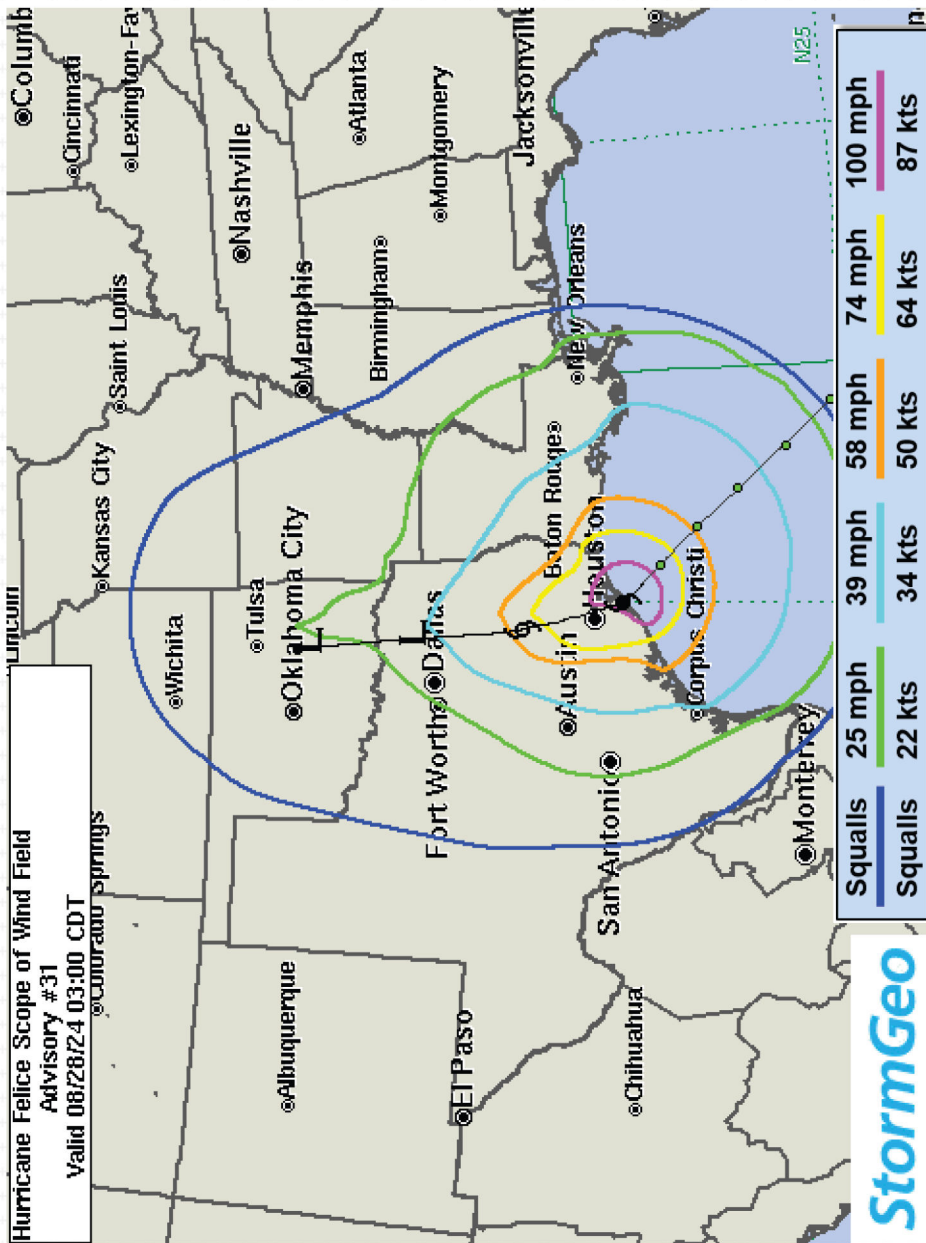
### Hurricane Felice

<b>Current Location</b>	29.2N, 95W				
<b>Geographic Reference</b>	Over Galveston, TX				
<b>Movement</b>	North-northwest at 10 mph				
<b>Max Winds</b>	125 mph gusting to 150 mph				
<b>Current Hurricane Severity Index</b>	36 out of a possible 50 points (23 size, 13 intensity)				
<b>Max Predicted Hurricane Severity Index</b>	36 out of a possible 50 points (23 size, 13 intensity)				
<b>Current Radius of Tropical Storm-Force Winds</b>	270 miles				
<b>Max Predicted Radius of Tropical Storm-Force Winds</b>	270 miles				
<b>Organizational Trend</b>	Steady				
<b>Forecast Confidence</b>	Average				
<b>Estimated Central Pressure</b>	933 mb				
<b>Valid</b>	<b>Classification</b>	<b>Lat</b>	<b>Lon</b>	<b>Winds</b>	<b>Gusts</b>
8/28/2024 3:00 AM CDT	Category 3	N 29.2	W 95	125 mph	150 mph
8/28/2024 3:00 PM CDT	Tropical Storm	N 31.1	W 95.6	65 mph	80 mph
8/29/2024 3:00 AM CDT	Tropical Depression	N 33	W 95.8	35 mph	45 mph
8/29/2024 3:00 PM CDT	Remnant Low	N 35	W 96	30 mph	35 mph



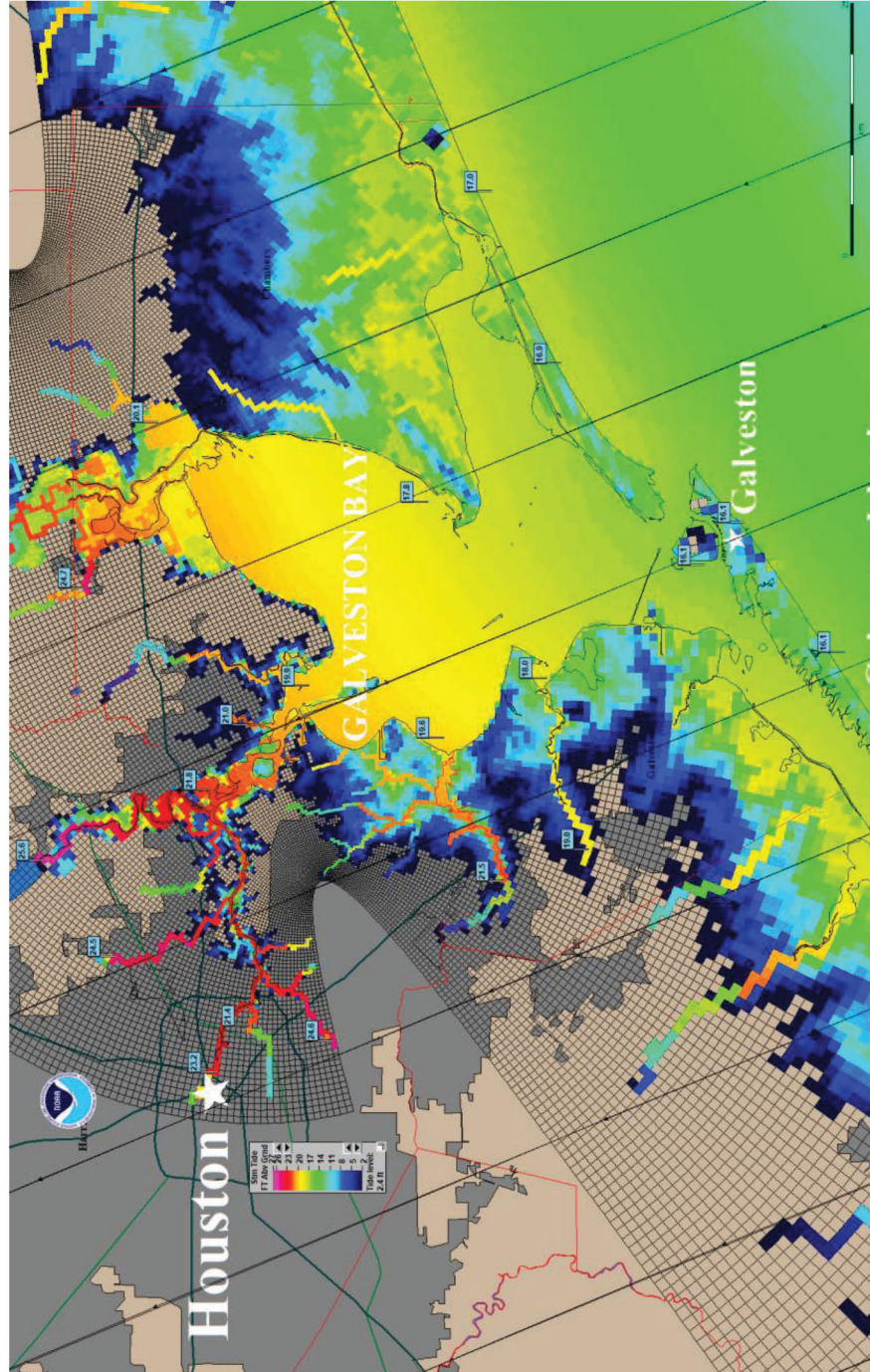


**Advisory 31 – 3 AM CDT Wed., Aug. 28:** Hurricane force winds are now spreading northward across the CenterPoint service area. Conditions have rapidly deteriorated across Houston/Galveston.



Hurricane force wind now occurring over much of southeast Texas. Wind will peak over the next 3-6 hours then steadily decline this afternoon and evening.

**Advisory 31 – 3 AM CDT Wed., Aug. 28:** Large storm surge is now moving ashore into Galveston Bay. Very significant flooding is likely occurring from Galveston Island to the northern ship channel into downtown Houston.



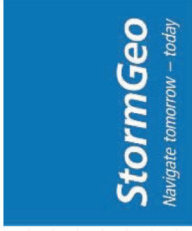
Very significant storm surge now into Galveston. Reports that much of the eastern island is under water.

A 20-25 ft surge of water up the Houston ship channel, combined with heavy rain this morning, will likely cause extensive flooding along the channel and into downtown.

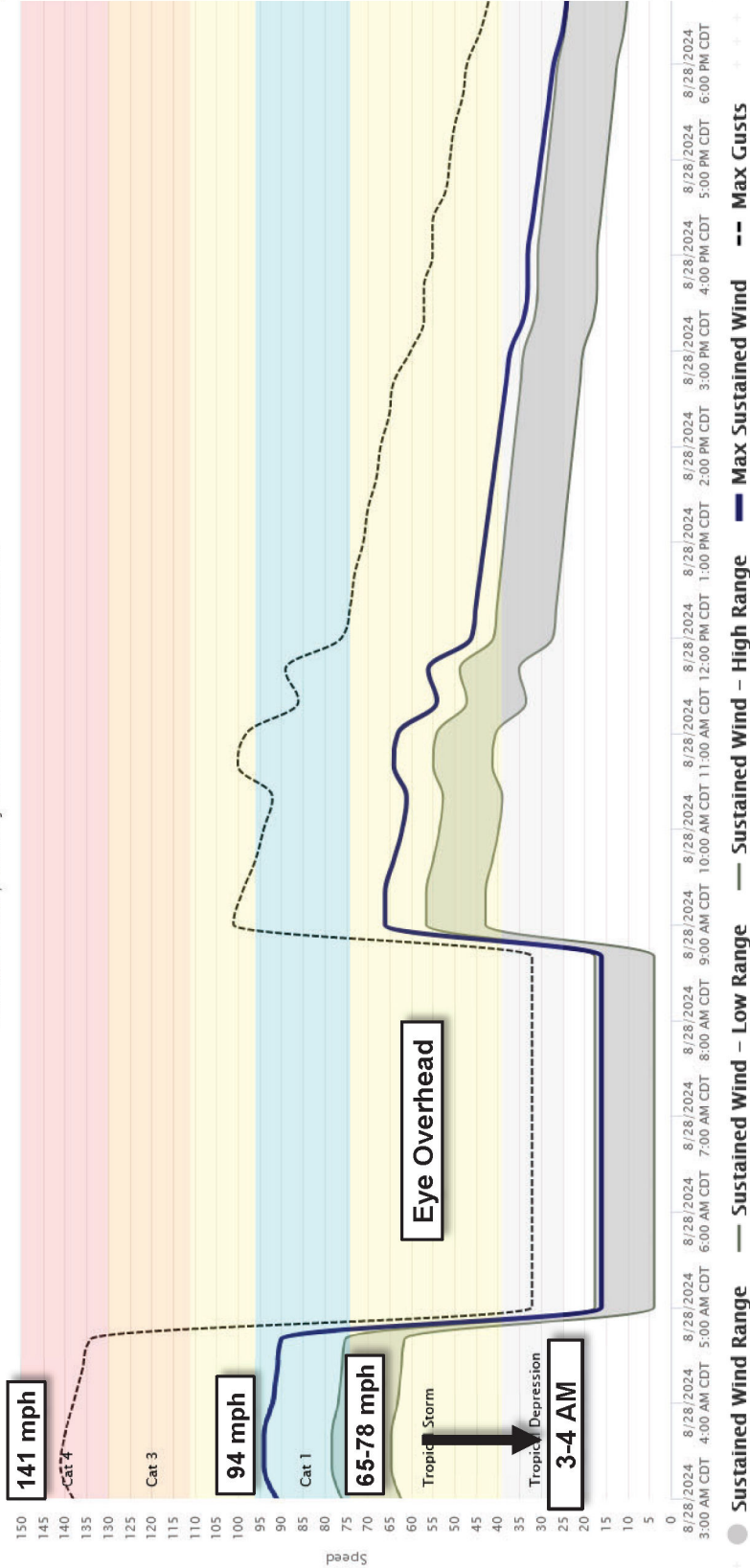


**Advisory 31 – 3 AM CDT Wed., Aug. 28: -- Downtown Houston office**

- Wind 65-95 mph with gusts to near 140 mph now occurring
- Rainfall 6-12 inches with isolated totals 18 inches through this afternoon
- Storm surge 15-18 ft. likely in Galveston Bay and 20-25 ft up Houston Ship Channel late now occurring



Hurricane Felice, Advisory 31 Wind Profile for Houston TX

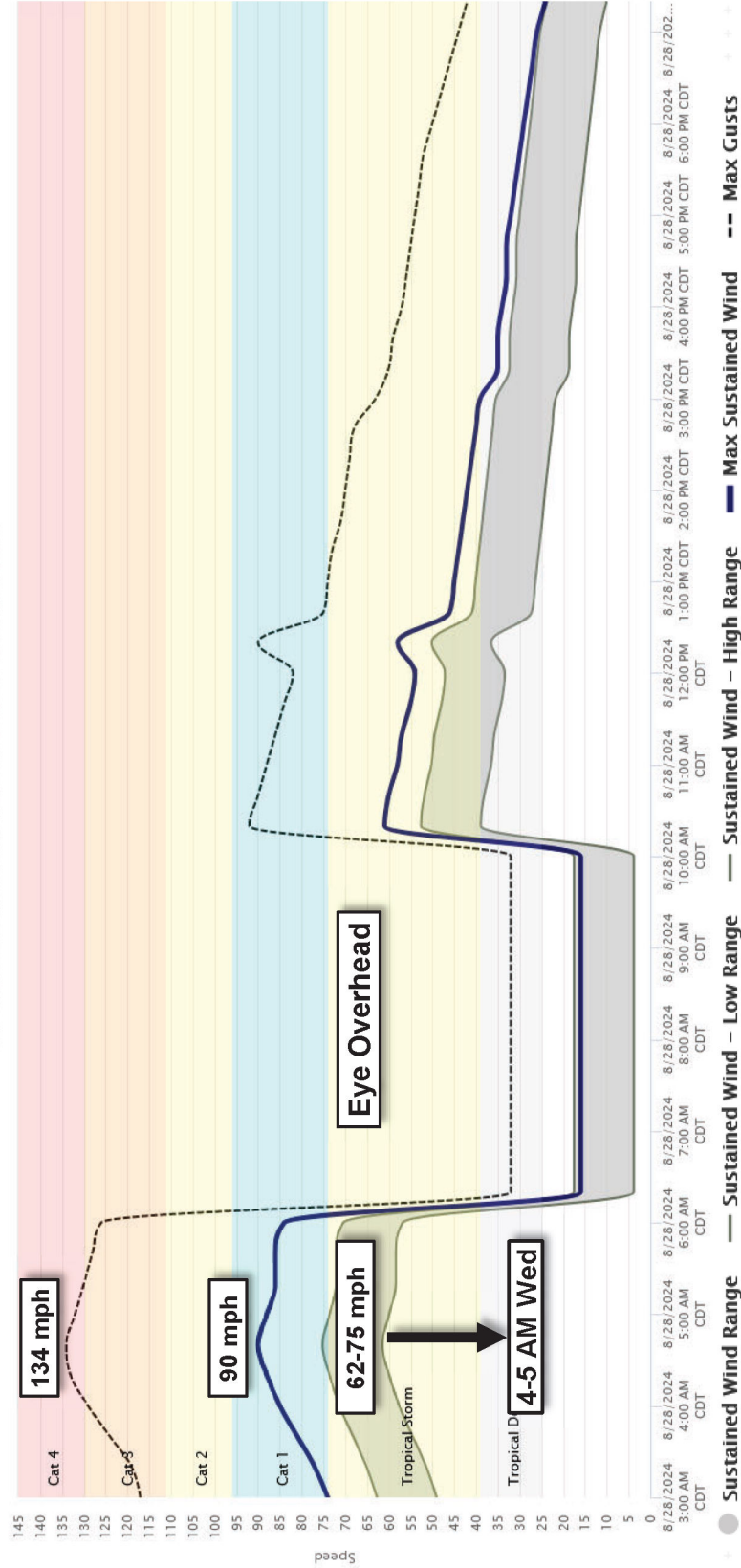




**Advisory 31 – 3 AM CDT Wed., Aug. 28: -- Greenspoint office**

- Wind 60-90 mph with gusts to near 135 mph this morning
- Rainfall 6-12 inches with isolated totals 18 inches through this afternoon

Hurricane Felice, Advisory 31 Wind Profile for Greenspoint S/C





**Advisory 31 – 3 AM CDT Wed., Aug. 28: Phase 13 remains activated (39 mph wind predicted within 6 hrs)  
Phase 14 reached in 12 hrs – 3 PM today (sustained wind drops below 39 mph - Recovery)**

**Trigger Report for Centerpoint Energy, Houston TX – Hurricane Felice Adv. #31**  
Issued: 03:00 AM CDT Wednesday, August 28, 2024

Current Conditions		Forecast Conditions	
Location	29.2N / 95W - 44 miles SSE	Max Forecast Winds	125 mph gusting 150 mph (Cat 3)
Movement	NNW @ 11 mph	Max Forecast HSI	36 (23 size / 13 intensity)
RPA Status	Positive	Hours to Next Trigger Point	12
Winds	125 mph gusting 150 mph (Cat 3)	Estimated Next Trigger Point Reached	14 3PM Wed Aug 28
Current HSI	36 (23 size / 13 intensity)		
Current Indicated Phase	<b>13</b>		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX						
Wind Field	Forecast ETA			Worst-Case ETA		
	Hrs. Until Arrival	Arrival Time/Date	Duration	Hrs. Until Arrival	Arrival Time/Date	Probability of Wind Impact
39 mph	0	3AM Wed Aug 28	12	N/A	--	100%
58 mph	0	3AM Wed Aug 28	9	N/A	--	100%
74 mph	0	3AM Wed Aug 28	2	N/A	--	99%
100 mph	N/A	N/A	N/A	N/A	--	64%
						Trend
						+0%
						+3%
						+9%
						+16%

Phase	Trigger Parameter	Trigger Reached?	Estimated Hours Remaining and Time
1	Response Plan Activator - Positive (RPA+)	Yes	--
2	Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site	Yes	--
3	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site	Yes	--
4	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site	Yes	--
5	Forecast of 39 mph wind within 66 hours	Yes	--
6	Forecast of 39 mph wind within 60 hours	Yes	--
7	Forecast of 39 mph wind within 54 hours	Yes	--
8	Forecast of 39 mph wind within 48 hours	Yes	--
9	Forecast of 39 mph wind within 36 hours	Yes	--
10	Forecast of 39 mph wind within 30 hours	Yes	--
11	Forecast of 39 mph wind within 24 hours	Yes	--
12	Forecast of 39 mph wind within 18 hours	Yes	--
13	Forecast of 39 mph wind within 6 hours	Yes	--
14	Sustained wind falls below 39 mph - Recovery Begins	No	12 hours - 3PM Wed Aug 28

## Key Points From Advisory 31

### 3 AM Wed., Aug. 28



- Felice made landfall as a very large and powerful Category 3 hurricane with max wind 125 gusting 150 mph
- Sustained hurricane force wind with gusts over 120 mph are spreading across southeast Texas this morning
- 6-12 inches with totals to 18 inches expected across Houston through today
- Likely storm surge of 15-18 ft now over Galveston and 20-25 ft into Galveston Bay in a few hours, causing extensive flooding along the bay and up the ship channel.
- Current Status: Phase 13 – (39 mph wind predicted within 6 hrs)
- Next Trigger: Phase 14 (wind falls below 39 mph - Recovery) predicted in 12 hours (3 PM today)



# Post-Advisory Discussion

**Advisory 33 – 3 PM CDT Wed., Aug. 28:** Tropical Storm Felice is well north of Houston and rapidly weakening. Tropical storm conditions have ended across the CenterPoint service area.

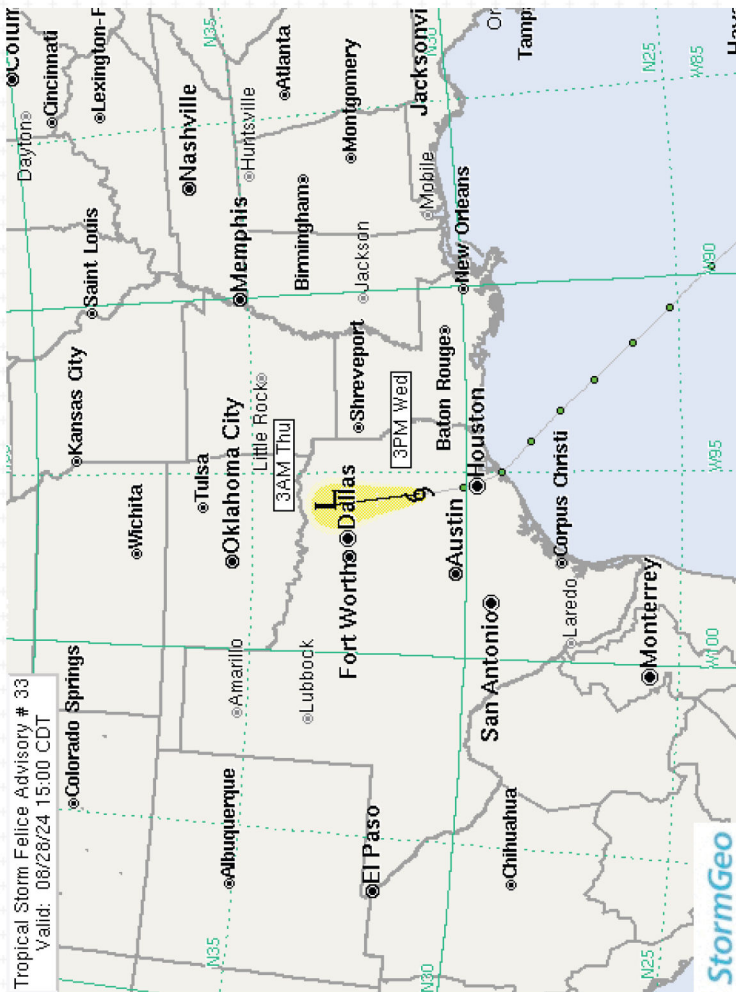


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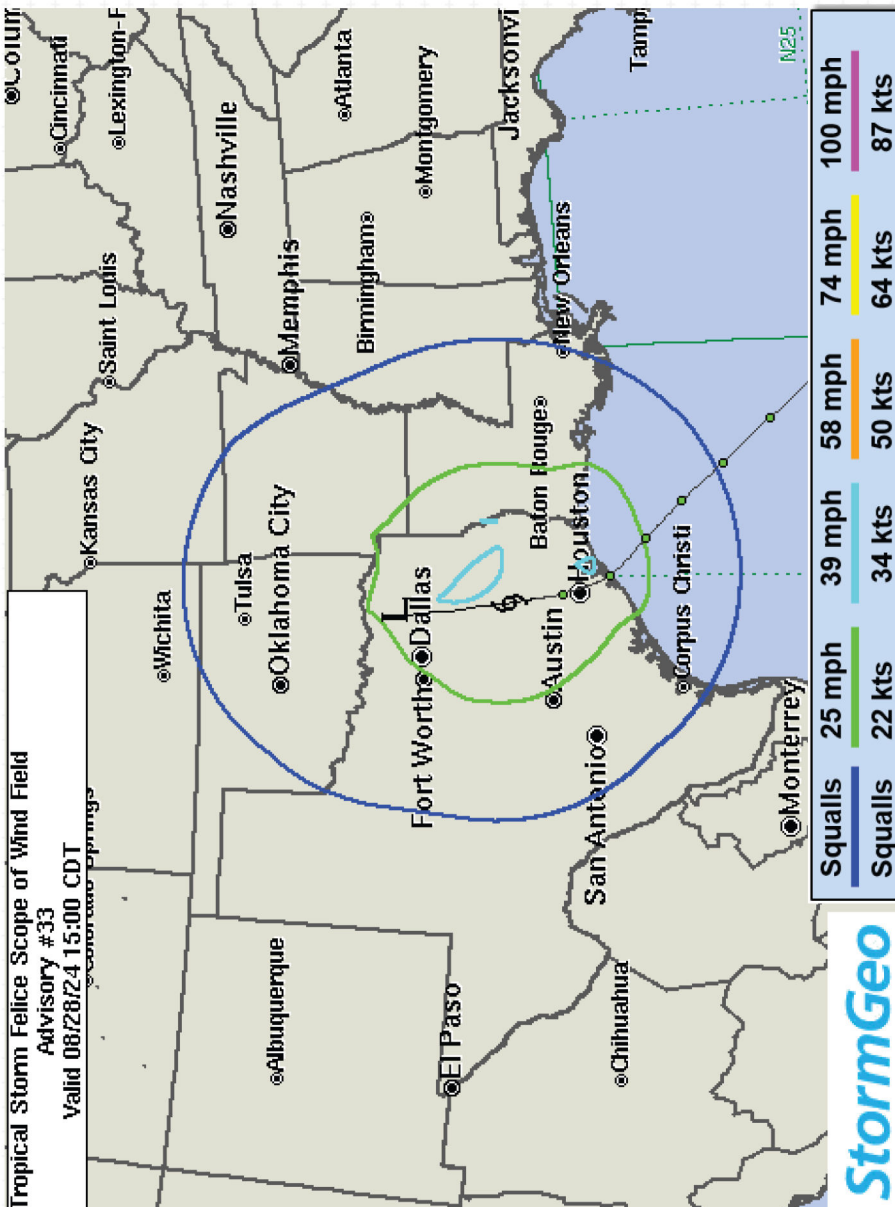
**Tropical Storm Felice**

Current Location	31.1N, 95.6W
Geographic Reference	85 miles south of Tyler, TX
Movement	North at 10 mph
Max Winds	50 mph gusting to 65 mph
Current Hurricane Severity Index	4 out of a possible 50 points (2 size, 2 intensity)
Max Predicted Hurricane Severity Index	4 out of a possible 50 points (2 size, 2 intensity)
Current Radius of Tropical Storm-Force Winds	150 miles
Max Predicted Radius of Tropical Storm-Force Winds	150 miles
Organizational Trend	Decreasing over land
Forecast Confidence	Average
Estimated Central Pressure	979 mb

Valid	Classification	Lat	Lon	Winds	Gusts
8/28/2024 3:00 PM CDT	Tropical Storm	N 31.1	W 95.6	50 mph	65 mph
8/29/2024 3:00 AM CDT	Remnant Low	N 33.1	W 95.9	30 mph	35 mph



**Advisory 33 – 3 PM CDT Wed., Aug. 28:** Tropical storm force wind has ended inland, though there could be a small pocket of tropical storm winds over Galveston Bay for another hour or so.



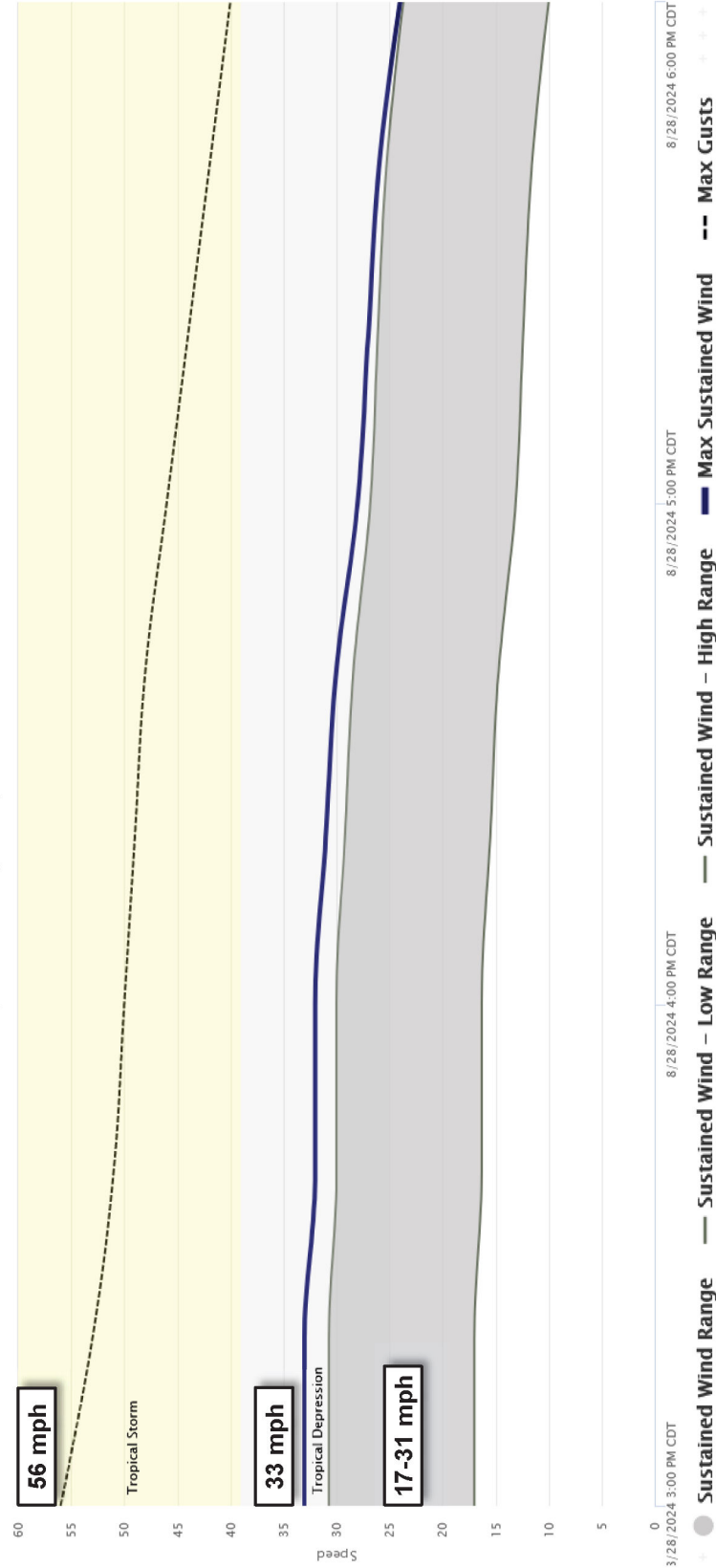
Conditions are improving rapidly across southeast Texas as Felice weakens north of Houston.



**Advisory 33 – 3 PM CDT Wed., Aug. 28: -- Downtown Houston office**

- Sustained 39 mph wind has ended, though some gusts above 39 mph still possible for 1-2 hours
- Radar indicates widespread rainfall of 8-10 inches across Harris County
- Reports of a large storm surge into Galveston Bay overnight.

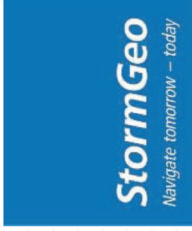
Tropical Storm Felice, Advisory 33 Wind Profile for Houston TX



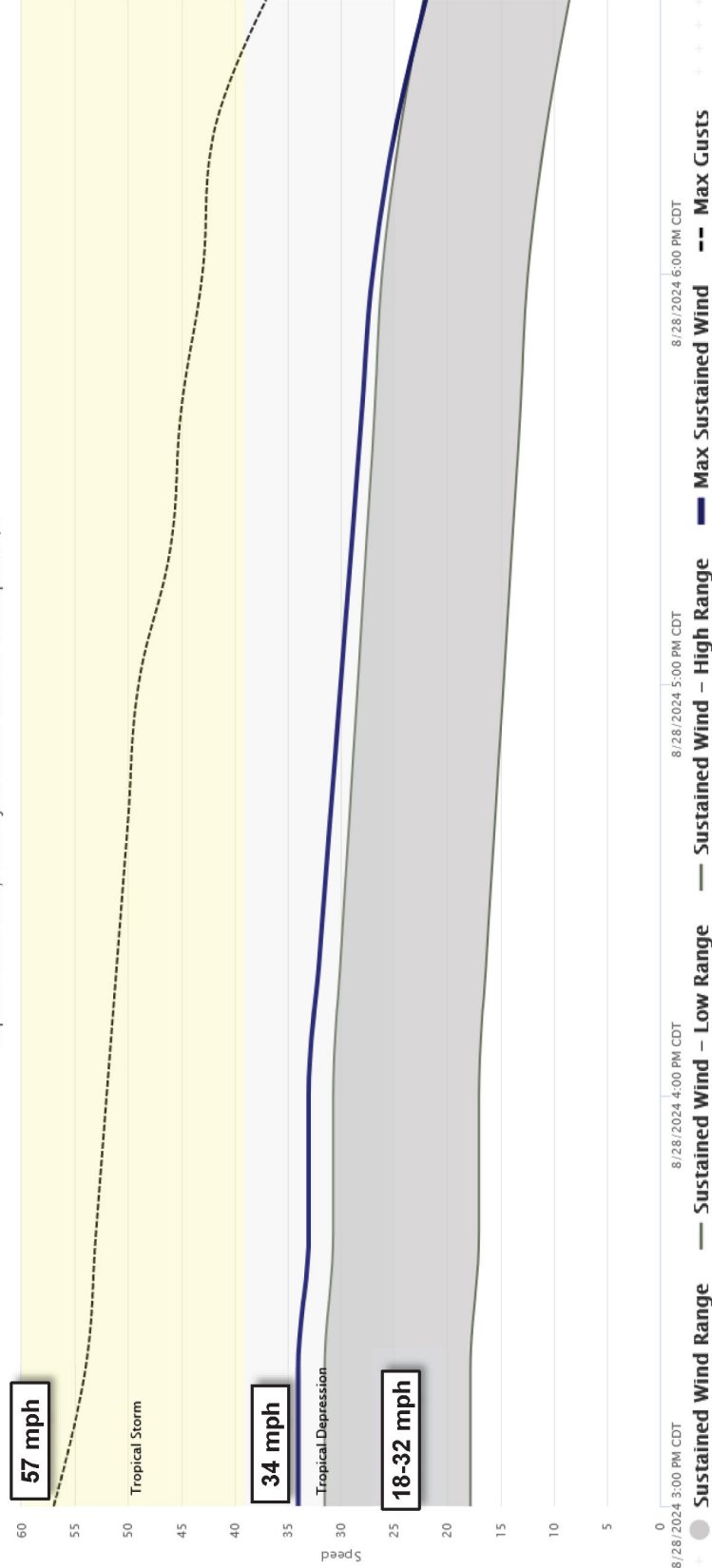


### Advisory 33 – 3 PM CDT Wed., Aug. 28: -- Downtown Houston office

- Sustained 39 mph wind has ended, though some gusts above 39 mph still possible for 1-2 hours
- Radar indicates widespread rainfall of 8-10 inches across Harris County



Tropical Storm Felice, Advisory 33 Wind Profile for Greenspoint S/C



**Advisory 33 – 3 PM CDT Wed., Aug. 28: Phase 14 active (39 mph wind below 39 mph - Recovery)**

Trigger Report for Centerpoint Energy, Houston TX -- Tropical Storm Felice Adv. #33  
 Issued: 03:00 PM CDT Wednesday, August 28, 2024



Current Conditions		Forecast Conditions	
Location	31.1N / 95.6W - 94 miles N	Max Forecast Winds	50 mph gusting 65 mph (TS)
Movement	N @ 12 mph	Max Forecast HSI	4 (2 size / 2 intensity)
RPA Status	Negative	Hours to Next Trigger Point	N/A
Winds	50 mph gusting 65 mph (TS)	Estimated Next Trigger Point Reached	N/A
Current HSI	4 (2 size / 2 intensity)		
Current Indicated Phase	14		

Wind Field Forecast and Worst-Case Arrival Times at Houston TX						
Wind Field	Hrs. Until Arrival	Forecast ETA		Worst-Case ETA		Probability of Wind Impact
		Arrival Time/Date	Duration	Hrs. Until Arrival	Arrival Time/Date	
39 mph	N/A	N/A	N/A	N/A	--	<1%
58 mph	N/A	N/A	N/A	N/A	--	<1%
74 mph	N/A	N/A	N/A	N/A	N/A	<1%
100 mph	N/A	N/A	N/A	N/A	N/A	<1%

Phase	Trigger Parameter	Trigger Reached?	Estimated Hours Remaining and Time
1		No	--
2	<b>Response Plan Activator - Positive (RPA+)</b> Earliest possible arrival of 39 mph wind is within 120 hours and either the probability of 58 mph wind is at least 3% or 39 mph wind is forecast for site	No	Trigger not fully met
3	Earliest possible arrival of 39 mph wind is within 96 hours and either the probability of 58 mph wind is at least 10% or 39 mph wind is forecast for site	No	Trigger not fully met
4	Earliest possible arrival of 39 mph wind is within 72 hours and either the probability of 58 mph wind is at least 20% or 39 mph wind is forecast for site	No	Trigger not fully met
5	Forecast of 39 mph wind within 66 hours	No	Trigger not forecast to be met
6	Forecast of 39 mph wind within 60 hours	No	Trigger not forecast to be met
7	Forecast of 39 mph wind within 54 hours	No	Trigger not forecast to be met
8	Forecast of 39 mph wind within 48 hours	No	Trigger not forecast to be met
9	Forecast of 39 mph wind within 36 hours	No	Trigger not forecast to be met
10	Forecast of 39 mph wind within 30 hours	No	Trigger not forecast to be met
11	Forecast of 39 mph wind within 24 hours	No	Trigger not forecast to be met
12	Forecast of 39 mph wind within 18 hours	No	Trigger not forecast to be met
13	Forecast of 39 mph wind within 6 hours	No	Trigger not forecast to be met
14	<b>Sustained wind falls below 39 mph - Recovery Begins</b>	Yes	--

## Key Points From Advisory 33 3 PM Wed., Aug. 28



- Felice made landfall as a very large and powerful Category 3 hurricane this morning
- Widespread reports of hurricane damage across the area. Significant storm surge flooding into Galveston, west Galveston Bay, and up the Houston ship channel into the downtown area.
- Total storm rainfall will likely be in the 8-12 inch range, with some areas receiving 15-18 inches on the eastern side of the city
- Very large storm surge moved into Galveston Bay. Reports of significant damage but news reports are sparse
- Current Status: Phase 14 – (39 mph wind ended – Recovery)

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
PROJECT NO. 56822  
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE**

**PUBLIC UTILITY COMMISSION OF TEXAS  
REQUEST NO.: PUC-RF101-004**

**QUESTION:**

**Electric Utilities – Emergency Planning and Event Response**

Please identify any electric, water, sewer, or telecommunication utilities that invited you to participate in their 2024 hurricane or major storm drill.

**ANSWER:**

N/A. CenterPoint Houston did not receive invitations from electric, water, sewer, or telecommunication utilities to participate in their respective 2024 hurricane or major storm drills.

**SPONSOR:**

Chasta Martin

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
PROJECT NO. 56822  
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE**

**PUBLIC UTILITY COMMISSION OF TEXAS  
REQUEST NO.: PUC-RF101-005**

**QUESTION:**

**Electric Utilities – Emergency Planning and Event Response**

Please identify all resources, internal or external, used for weather or storm tracking purposes before July 8, 2024.

**ANSWER:**

Internal

- Electric Operations and the Emergency Preparedness and Response Department monitor weather and storm forecasts based on the external resources identified below.

External

- StormGeo, a professional meteorologist and weather forecasting vendor, which provides daily weather forecasts and 24/7 meteorological support.
- Harris County Office of Homeland Security and Emergency Management Tropical Awareness Update reports
- National Weather Service Houston/Galveston Tropical Update Reports.
- National Hurricane Center.
- Receive reports from and participate in weather briefing calls with TDEM SOC

**SPONSOR:**

Chasta Martin

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
PROJECT NO. 56822  
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE**

**PUBLIC UTILITY COMMISSION OF TEXAS  
REQUEST NO.: PUC-RF101-006**

**QUESTION:**

**Electric Utilities – Emergency Planning and Event Response**

How many days before projected landfall do you start tracking storms that could affect or disrupt operations within your service area?

**ANSWER:**

CenterPoint Energy monitors weather systems daily in the Gulf of Mexico and those that may enter the Gulf from the Atlantic, or Pacific in rare occasions, based on the forecast and reports from StormGeo and external partners such as National Weather Service Houston/Galveston, TDEM, and Harris County Office of Homeland Security and Emergency Management. The company begins to track disturbances once identified in the Atlantic until they dissipate or progress into a tropical weather system and make landfall.

**SPONSOR:**

Chasta Martin

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
PROJECT NO. 56822  
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE**

**PUBLIC UTILITY COMMISSION OF TEXAS  
REQUEST NO.: PUC-RFI01-007**

**QUESTION:**

**Electric Utilities – Emergency Planning and Event Response**

How many days before projected landfall did you start tracking the storm eventually named Hurricane Beryl?

**ANSWER:**

CenterPoint Energy initially began tracking tropical disturbance 7 that would become Hurricane Beryl on June 25, 2024, 13 days prior to landfall. On June 30, 2024 CenterPoint Energy initiated its Weather Monitoring Report to internal leadership providing situational awareness of the tropical disturbance and the forecasted track of the system.

**SPONSOR:**

Chasta Martin

**RESPONSIVE DOCUMENTS:**

PUC-RFI01-007 - EPR\_Awareness\_Hurricane Beryl - EPR Monitoring - Initial Message  
PUC-RFI01-007 - StormGeo\_Atlantic Daily Briefing\_Tracking Disturbance 7

7/9/24, 9:54 AM

Hurricane Beryl - EP&R Monitoring - Robb, Jonathan E - Outlook

## Hurricane Beryl - EP&R Monitoring

Robb, Jonathan E <jonathan.robb@centerpointenergy.com>

Sun 6/30/2024 3:48 PM

To: Martin, Chasta T <chasta.martin@centerpointenergy.com>; Karuturi, Monica <monica.karuturi@centerpointenergy.com>; Wilson, Lynnae <Lynnae.Wilson@centerpointenergy.com>; Carroll, Darin <Darin.Carroll@centerpointenergy.com>; Coleman, Kenneth E (CIO) <kenneth.coleman@centerpointenergy.com>; Ryan, Jason M <jason.ryan@CenterpointEnergy.com>; Harkel-Rumford, Lynne <lynne.harkel-rumford@centerpointenergy.com>; Foster, Christopher A <chris.foster@centerpointenergy.com>; Gardner, Tony A <tony.gardner@CenterpointEnergy.com>; Kneipp, Carla A <Carla.Kneipp@centerpointenergy.com>; Kimzey, Shane <shane.kimzey@centerpointenergy.com>; Tumlinson, Deryl <deryl.tumlinson@centerpointenergy.com>; Mercado, David L <david.mercado@centerpointenergy.com>; Pryor, Randal M <randy.pryor@centerpointenergy.com>; Reeder, Takea R <takea.reeder@centerpointenergy.com>; Easton, Eric D <Eric.Easton@centerpointenergy.com>; Shook, Mandie W <mandie.shook@centerpointenergy.com>; Payton, Al M <al.payton@centerpointenergy.com>; Varanauski, Barbara A <barbara.varanauski@centerpointenergy.com>; Wagaman, Brian S <brian.wagaman@CenterpointEnergy.com> Cc: Smith, Treemonisha X <treemonisha.smith@centerpointenergy.com>; Dominguez, Charity M <charity.dominguez@centerpointenergy.com>; Anderson, Katherine A <katherine.anderson@centerpointenergy.com>; Stearman, Timothy W <timothy.stearman@centerpointenergy.com>

Good afternoon,

**\*\*No action or activations at this time\*\***

### KEY TAKEAWAYS:

- **EP&R is monitoring Hurricane Beryl**
- **Currently none of the tropical systems pose a threat to the upper Texas coast**
- **We will need to monitor the trends over the next few days as forecasts beyond day 5 are complicated and lend to lower confidence in the path (some models include Texas/LA coast) - time frame we are watching would be July 6-7-8**

Emergency Preparedness & Response (EP&R) is monitoring the current tropical systems that have developed. At this time, none of them pose a threat to the upper Texas coast.

Hurricane Beryl has become a major hurricane moving towards the southern Windward Islands. This early in the hurricane season, this is the furthest east that a hurricane has formed. Over the past 24 hours Beryl has had rapid intensification from the system has gone from 60mph to 115mph and now to a major hurricane.

### TRACK

Beryl is moving to the west at around 20mph and will continue to maintain this speed and direction for the next several days. Monday, Beryl will move across the southern Windward Islands and then into the eastern and central Caribbean Sea. 3 days is the length that the Hurricane Center has great confidence in the forecast. Beyond 72 hours, the forecast begins to spread a bit more. Currently the forecast is that Beryl will turn a bit more towards the west and pass south of Jamaica on July 4th. Then it will move towards the Yucatan on July 5th. It is likely that Beryl will be approaching the eastern Yucatan by late this week.

### What to Watch

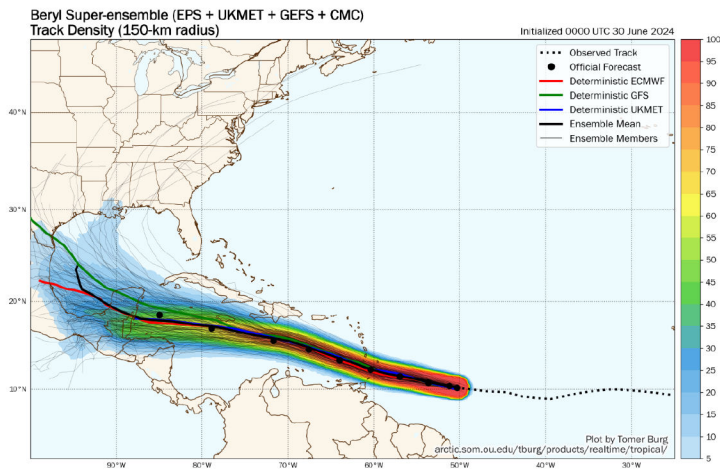
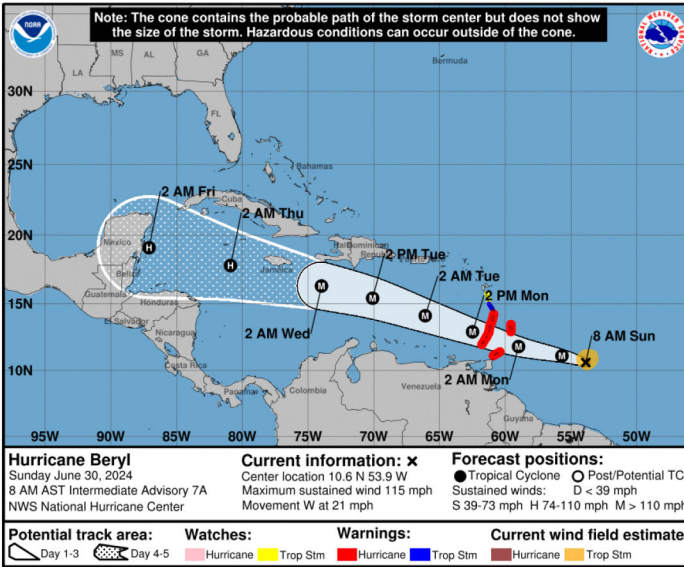
Current forecasts show that large scale high pressure over the southern US will force Beryl westward into the Caribbean Sea but that high pressure may break down around next weekend due to a trough in the northern Rockies weakening the ridge over the southern plains and Texas. Depending on where Beryl is located at that time, its intensity, and how that ridge breaks down will end up determining if there is a turn in its path. Two of the models (CMC and GFS) are aggressive with a turn toward the northwest in the southern Gulf of Mexico. The other models continue the path more west to west-northwest into eastern Mexico.

That is a lot to say it is important over the next few days to monitor the trends.



7/9/24, 9:54 AM

Hurricane Beryl - EP&R Monitoring - Robb, Jonathan E - Outlook



EP&R will continue to monitor. No asks at this time for activations or support. We will provide another update tomorrow, Monday July 1st.

Thank you for your continued support of the emergency management program for CenterPoint Energy.

End of Report.



**Jonathan Robb**  
**Director**

**CenterPoint Energy** | Emergency Preparedness & Response

713.207.5215 w | 713.887.4477 c

CenterPointEnergy.com

## [Trusted Partner] Atlantic Daily Briefing

StormGeo <tropicswatch@stormgeo.com>

Tue 6/25/2024 4:34 AM

To: Scott Jr, Tillman W <wayne.scott@centerpointenergy.com>; Timothy.stearman@centerpointenergy.com <Timothy.stearman@centerpointenergy.com>; RTO Outage Group <RTOOutageGroup@CenterPointEnergy.com>; Smith, Treemonisha X <treemonisha.smith@centerpointenergy.com>; TSCC <TSCC@centerpointenergy.com>; RTO Training Group <RTOTrainingGroup@CenterPointEnergy.com>; Robb, Jonathan E <jonathan.robb@centerpointenergy.com>; Reed, Ronald W <ronald.reed@centerpointenergy.com>; SDO <Security\_Desk\_Operator@CenterpointEnergy.com>; Peterfeso, Wanda J. <wanda.peterfeso@centerpointenergy.com>; RTO Engineering <RTOEngineering@CenterpointEnergy.com>; Tanzi, Kevin V <kevin.tanzi@centerpointenergy.com>; Foster, Christopher A <chris.foster@centerpointenergy.com>; Brandel, Roger J <roger.brandel@centerpointenergy.com>

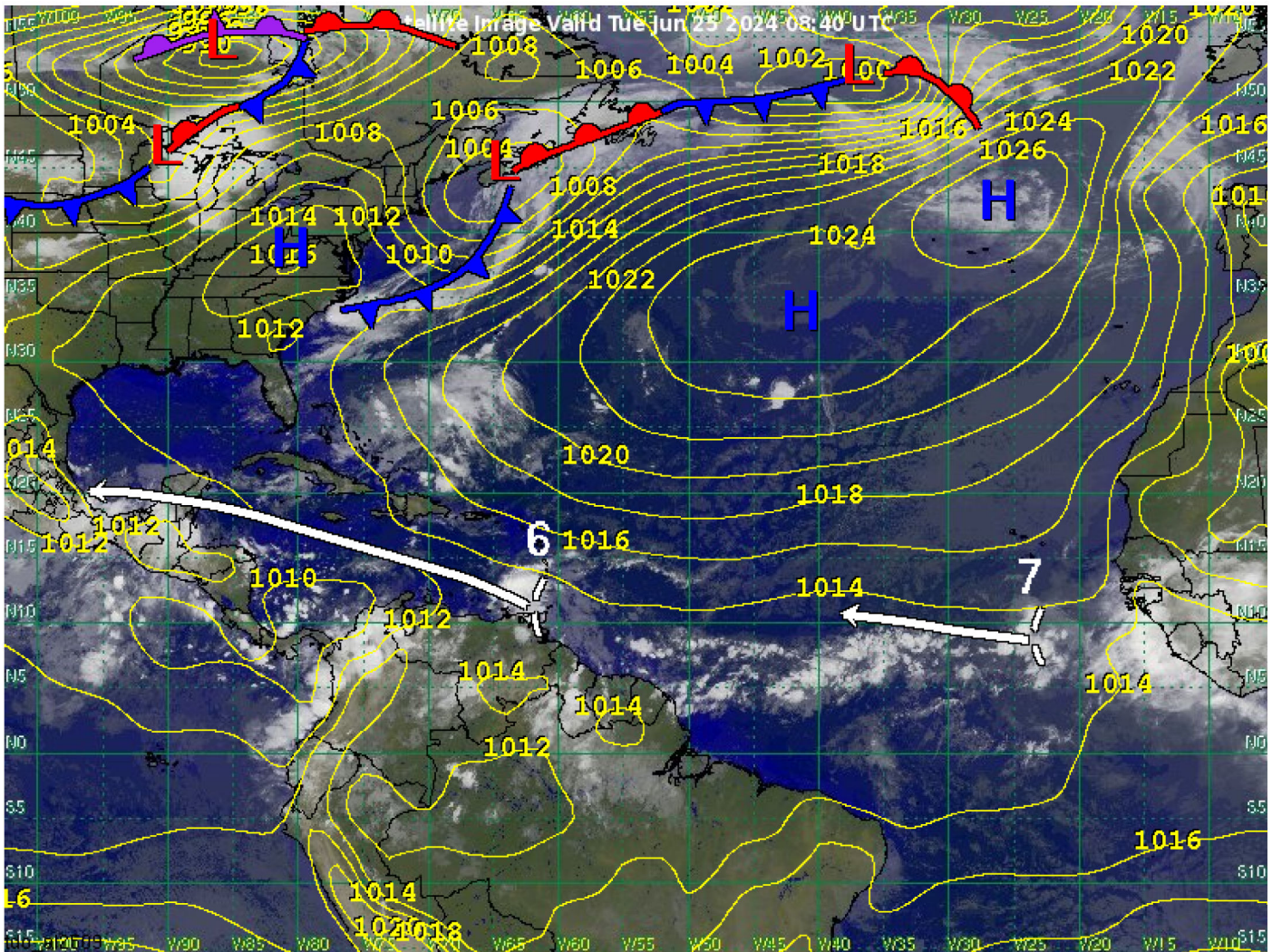
### TRUSTED PARTNER EMAIL

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**StormGeo**

**Atlantic Daily Briefing**  
*Issued: 04:33 AM CDT Tuesday June 25, 2024*





**Active Systems**  
None

**Other Disturbances / Areas to Watch**

Disturbance 6 has formed by the Windward Islands along 61.5W. It is moving slightly north of due west at about 20 mph. This motion should continue over the next few days, taking the disturbance across the Caribbean. This weekend, the disturbance may move over the Bay of Campeche. There are no indications that the disturbance will move toward the northwest Gulf. Showers and storms are expected today for the Windward Islands. Environmental conditions may become more favorable for development if the system were to move over the Bay of Campeche. There is a 20 percent chance of development within the next 7 days.

Disturbance 7 has formed to the SSE of the Cabo Verde Islands along 23W. The disturbance is moving to the west at 5 to 10 mph. This motion is expected to continue for the next few days. The disturbance is at least a week away from impacting the islands of the eastern Caribbean. There is a small area of storms associated with the disturbance, though environmental conditions are not favorable for development. As the system approaches the Caribbean, conditions may become a little more favorable for development. There is a 20 percent chance of development within the next 7 days.

Meteorologist: Derek Ort

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**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
PROJECT NO. 56822  
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE**

**PUBLIC UTILITY COMMISSION OF TEXAS  
REQUEST NO.: PUC-RF101-008**

**QUESTION:**

**Electric Utilities – Emergency Planning and Event Response**

Do you check the functionality or performance of your outage tracker as part of your regular storm preparation procedures?

**ANSWER:**

Prior to Derecho, CenterPoint Houston self-hosted its outage tracker map (“Original Outage Tracker Map”) and routinely tested its performance and functionality each month. Specifically, CenterPoint Houston would take down its primary servers so that the application would route to its backup data center and then test the website for functionality. This test was to ensure proper functioning in the event of a disaster damaging CenterPoint Houston’s data centers. After the test concluded, CenterPoint Houston would return the Original Outage Tracker Map to its primary servers and confirm the application’s features were properly functioning. Load testing was not conducted as a part of this exercise.

CenterPoint Houston’s current outage tracker (“2024 Outage Tracker Map”) is cloud-based. CenterPoint Houston is in the process of establishing an ongoing testing cadence and an annual drill process for all core outage-to-restoration technologies.

**SPONSOR:**

Kate Porter

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
PROJECT NO. 56822  
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE**

**PUBLIC UTILITY COMMISSION OF TEXAS  
REQUEST NO.: PUC-RF101-009**

**QUESTION:**

**Electric Utilities – Emergency Planning and Event Response**

How far in advance of landfall did you initiate requests for mutual assistance?

**ANSWER:**

See response to request 1-111, which describes CenterPoint Houston's requests for mutual assistance.

**SPONSOR:**

Deryl Tumlinson

**RESPONSIVE DOCUMENTS:**

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC  
PROJECT NO. 56822  
INVESTIGATION OF EMERGENCY PREPAREDNESS AND RESPONSE**

**PUBLIC UTILITY COMMISSION OF TEXAS  
REQUEST NO.: PUC-RF101-010**

**QUESTION:**

**Electric Utilities – Emergency Planning and Event Response**

Provide information as to how restoration efforts are prioritized, and resources are allocated following a hurricane or major storm. For purposes of this question, please provide how these prioritizations and allocation guidelines were used in practice during your response to Hurricane Beryl.

**ANSWER:**

CenterPoint Houston's restoration efforts for emergencies, including a hurricane or major storm, are prioritized and resources are allocated in accordance with CenterPoint Houston's 2024 Texas Electric Emergency Operations Plan ("EOP") and its Emergency Restoration Plan, both of which are attached.

In accordance with the EOP, CenterPoint Houston's first priorities are to restore power to the highest number of customers out of power as quickly as possible and to protect critical health and human service and public safety facilities, such as fire stations, police stations, hospitals, warming/cooling centers, water treatment facilities, etc., that provide important health and human services and/or public safety service to the community. To meet these priorities, CenterPoint Houston may deploy a variety of strategies from cutting and clearing circuits to targeted order-based assignments, and also account for particularly negatively impacted customers and communities, vulnerable populations, particularly prolonged outages, and other unique issues requiring particular attention.

Following major weather events, the vast majority of recorded outages are the result of circuit and fuse outages. Accordingly, under the Emergency Restoration Plan (revised 2019), these two areas are the highest priority for restoration. Transformer and local outages are the other most common source of outages, though outages at these levels typically affect fewer customers than outages at the circuit and fuse level. The service restoration process utilizes the following restoration sequence: (1) circuits/sections; (2) fuses; (3) transformers; (4) local outages (individual customers). Resources are allocated from service center locations, native contractor office locations, or staging sites and dispatched to repair outages. All resources are initially allocated from their respective reporting locations to circuit-level outages and key customers (hospitals, emergency services, etc.) on particular circuits are given priority. The circuit priorities are reviewed and updated annually. This list is used to allocate resources to the appropriate circuit-level outage until all resources are deployed. Following restoration at the circuit-level outages, resources are then allocated in a similar manner to fuse-level outages and so on down the line.

These prioritizations and allocation guidelines were generally followed in response to Hurricane Beryl in terms of how work was assigned to work crews. See also response to request 1-111, where more detailed information is provided concerning how work was organized and assigned in response to Hurricane Beryl. When responding to outages, CenterPoint Houston considers additional factors when it dispatches line-skills and vegetation-management resources, such as the geographic locations of responders, the number of customer outages, the amount of resources/materials needed, the number of trouble cases by type, the quantity of damage locations, difficulty level (e.g., whether the outage is in the easement or whether the outage is accessible to trucks), equitable coverage across the service-area footprint, and other factors, as required.

**SPONSOR:**  
Deryl Tumlinson

**RESPONSIVE DOCUMENTS:**  
PUC-RFI01-010 - 2020 CenterPoint Energy Storm Restoration Plan FINAL  
PUC-RFI01-010 - P53385 CEHE Emergency Operations Plan 2024 Update



**CenterPoint Energy**

# **EMERGENCY RESTORATION PLAN**

*Revised as of 21 October 2019*



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