

Gulfstream Shipper Meeting

September 23, 2021





Clean Energy for Florida's Future.



GULFSTREAM STATION 420 Florida



Topics

- COVID-19 Response
- Cyber Security Efforts
- Winter Storm Uri and Our Resiliency
- Tropical Storm/Hurricane Preparedness
- System Overview
- Annual Utilization
- Peak Days and Hours
- Business Development Update



COVID-19 Pandemic Response

Maintain Continuity of Operations:

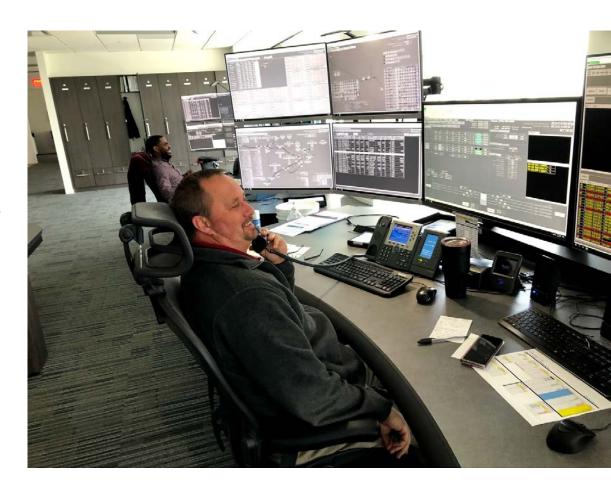
- Set up a secondary control room at our primary location in Houston.
- Transitioned to a split control room operation to allow for physical distancing and to mitigate risk associated with physical interaction of shift teams.
- Equipped controllers to operate remotely – laptops, monitors, and phones.
- Utilized a virtual control room (Teams Meeting) to connect control rooms, remote controllers, and leaders.





COVID-19 Pandemic Response

- Enterprise-wide Williams returned to office effective June 1st
- Returned to one control room on the same date.
- In early August transitioned to split control room operation due to Covid-19 spikes associated with the Delta variant. Pipeline Control leadership working remotely.
- Late August transitioned to split control room operation with some controllers working remotely.





Cybersecurity

- We provide training, deliver presentations and answer questions to raise awareness around the threats we all face
- We monitor the changing threat landscape to understand how they might impact our risk posture
- We deploy modern technology to help identify and thwart attacks
- We have strong policy and governance to ensure we are focusing on the risks that require the most attention
- We align with business goals to support the success of the company
- We have and are participating in industry intelligence sharing with trade groups like INGAA, API and AGA on cybersecurity matters and best practices.



Precipitation

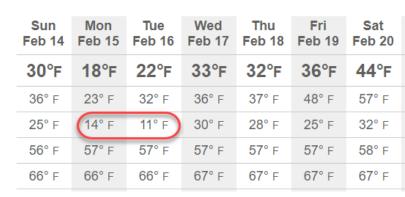
Inclimate Weather Operations - Winter Storm Uri



Time	
Actual Average Temperature	N
Actual High Temperature	N
Actual Low Temperature	N
Normal Average Temperature	N

Normal High

Daily History - Houston, TX



 Goals – The safety of our controllers and maintaining ability to staff for continuous operations.

- My Forecasts

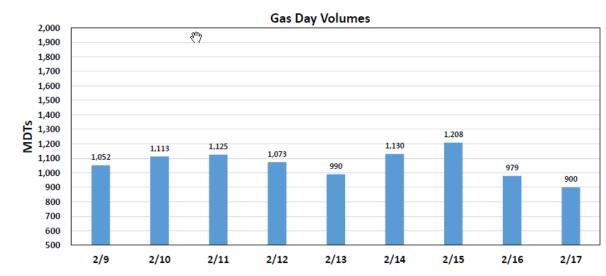
- Night Shift on the 14th worked remotely last night shift.
 Weather was expected to get bad with icy road conditions for the commute home.
- Day shift and night shift for the 15th and a portion of the leadership team were required to stay at a hotel near the office Sunday night UFN.
- Did not lose power at the building or hotel.



System Performance During Winter Storm Uri

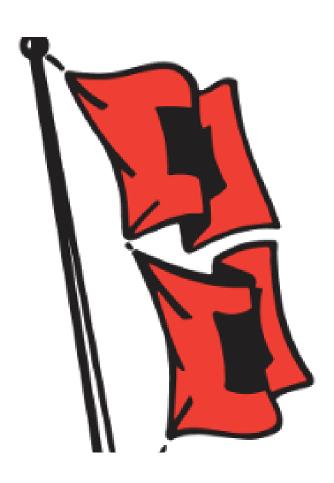
- Uri's affect to temperatures in Florida was not as severe as other parts of the country.
- Line Pack levels during the event stayed within the 2.9 to 2.6 Bcf range. This is a normal range for the expected load conditions.
- Instantaneous deliveries peaked out above 1.7 Bcf with a delivered volume of ~1.2 Bcf.
- No operational issues.







Hurricane Preparedness – Pipeline Control



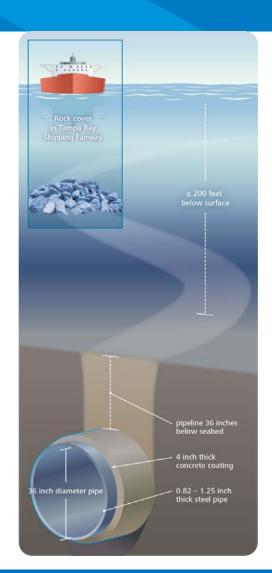
- May timeframe begin daily monitoring of daily Tropical Weather Forecast – National Weather Service and Accuweather
- Survey controllers to identify volunteers for back up control room operations and identify those that would need to travel with family and pets etc
- May/June onsite test of the back up control center in Broken Arrow, OK
- Once a storm enters the Gulf of Mexico, evaluate storm track models, predicted intensity, and the protentional impact to the Houston area.
- 36 to 48 hours out from predicted landfall in the Houston area, make a go/no go decision regarding deployment to the back up control center
- Notify Pipeline Control personnel to deploy (9-10 people)
- Secure the use of the corporate jet or make commercial airline arrangements
- Transition control from primary to back up site
- Keep track of employees that remain in Houston to understand their post storm needs and their availability to transition control from back up site back to the primary site

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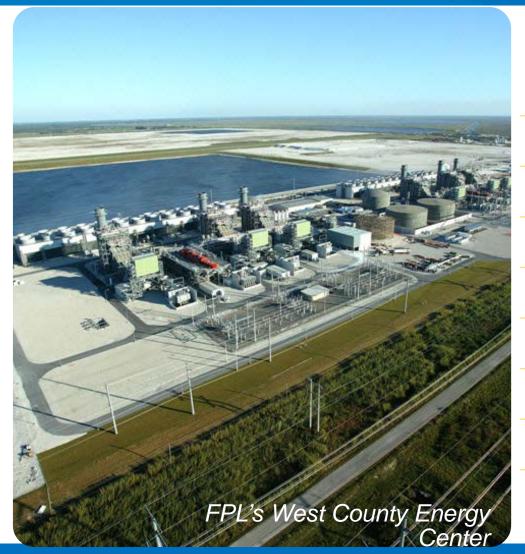
Tropical Storm/Hurricane Preparedness

- No disruptions in service due to weather, including the severe hurricane seasons of 2004/2005, Irma in 2017, Michael in 2018
- Offshore pipeline in Gulf of Mexico and Tampa Bay
 - Reduces weather related risks (lightning strikes, heavy rainfall, high winds)
 - Greatly reduces risk of third-party damage
- Onshore pipeline and facilities in Alabama and Florida
 - Designed and built to withstand 150 mph winds
 - Compressor stations equipped with emergency standby generators which allow operations to continue even without connection to main power grid or communications
 - Meter stations designed to for continuous operation in the event of loss of utility power.
 - Fully redundant spare compression units
 - Robust hurricane plan with 72, 48, 24 hour and post storm checklists and requirements





Overview of Facilities



Gulfstream Facilities:

Receipt meter stations	8
Bi-directional meter stations	3, 2 in Florida
Delivery meter stations	25
Microwave towers	8
Mainline valve settings	21
Offshore valves	9
Valve sites (tap/junction)	10



Compressor Station 410 Coden, AL





Compressor Station 420 Palmetto, FL



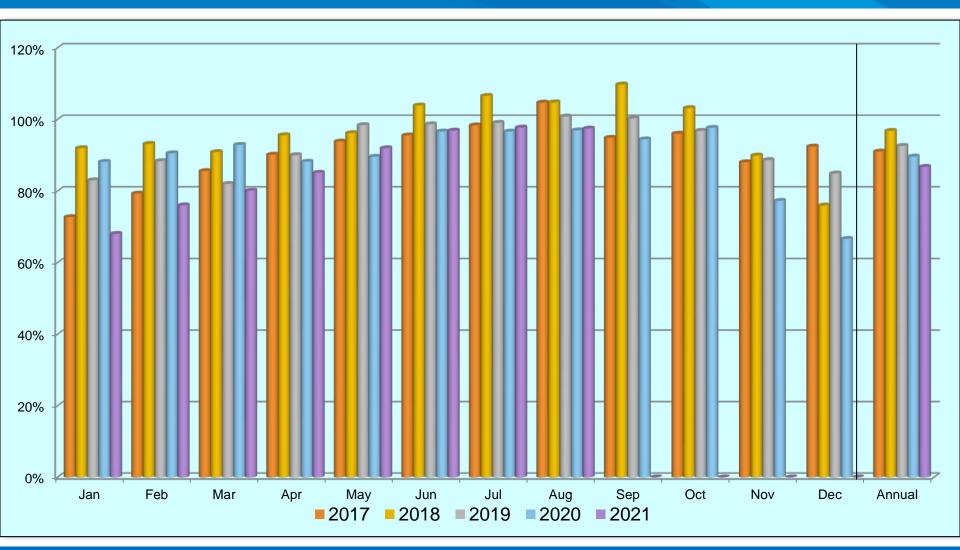


Compressor Station 430 Sebring, FL





Gulfstream Percentage Utilization





Peak Day Data

To	pp 25 Delivery Da	ıys		Top 25 Delivery Hours	
1	1/3/18	1,767,084	1	1/4/12 6:00	2,041,656
2	1/18/18	1,750,710	2	1/19/18 5:00	2,037,024
3	1/4/18	1,680,679	3	1/4/12 5:00	2,036,208
4	2/19/15	1,648,833	4	11/14/18 13:00	1,998,456
5	8/8/17	1,643,785	5	11/7/18 16:00	1,992,600
6	1/5/18	1,640,159	6	9/14/18 11:00	1,989,408
7	8/9/17	1,589,447	7	11/7/18 17:00	1,977,696
8	8/7/17	1,555,164	8	1/19/18 2:00	1,966,176
9	10/9/18	1,552,986	9	11/14/18 12:00	1,961,304
10	11/13/18	1,551,895	10	1/19/18 6:00	1,958,232
11	10/28/19	1,544,613	11	9/27/18 16:00	1,951,104
12	9/17/18	1,539,684	12	1/19/18 3:00	1,947,000
13	9/20/18	1,536,920	13	9/27/18 15:00	1,945,728
14	1/3/12	1,519,101	14	1/22/20 5:00	1,945,032
15	11/14/18	1,518,423	15	7/16/18 12:00	1,944,480
16	8/5/17	1,517,596	16	9/27/18 14:00	1,942,200
17	10/15/18	1,516,951	17	11/14/18 14:00	1,941,864
18	6/18/18	1,515,926	18	1/19/18 4:00	1,940,352
19	9/4/18	1,513,965	19	10/9/18 15:00	1,940,208
20	12/27/10	1,511,879	20	11/12/18 13:00	1,937,424
21	11/7/18	1,510,576	21	9/24/10 13:00	1,936,992
22	11/12/18	1,509,405	22	11/13/18 15:00	1,935,120
23	10/29/19	1,506,945	23	3/5/10 6:00	1,931,688
24	7/16/18	1,505,949	24	7/16/18 13:00	1,930,392
25	9/19/18	1,504,620	25	11/7/18 15:00	1,927,464



Business Development Update



Gulfstream Phase VI Update:

Received FERC certificate March: 19, 2020

Received FERC Notice to Proceed: May 2021

Construction commenced: August 2021

Anticipating outage to remain March 1-11, 2022

Anticipated In-services date December 01, 2022

Project Capacity: 78,000 dth/d



Expansions	In-service	Capacity (Mdth/d)
Phase I	May 2002	305
Phase II	Feb 2005	753
Phase III	Aug 2008	1,098
Phase IV	Jan 2009	1,258
Phase V	Apr 2011	1,298
Current Mainline	1,310	



Questions

