

# *NGPL Pipeline Operations Review*

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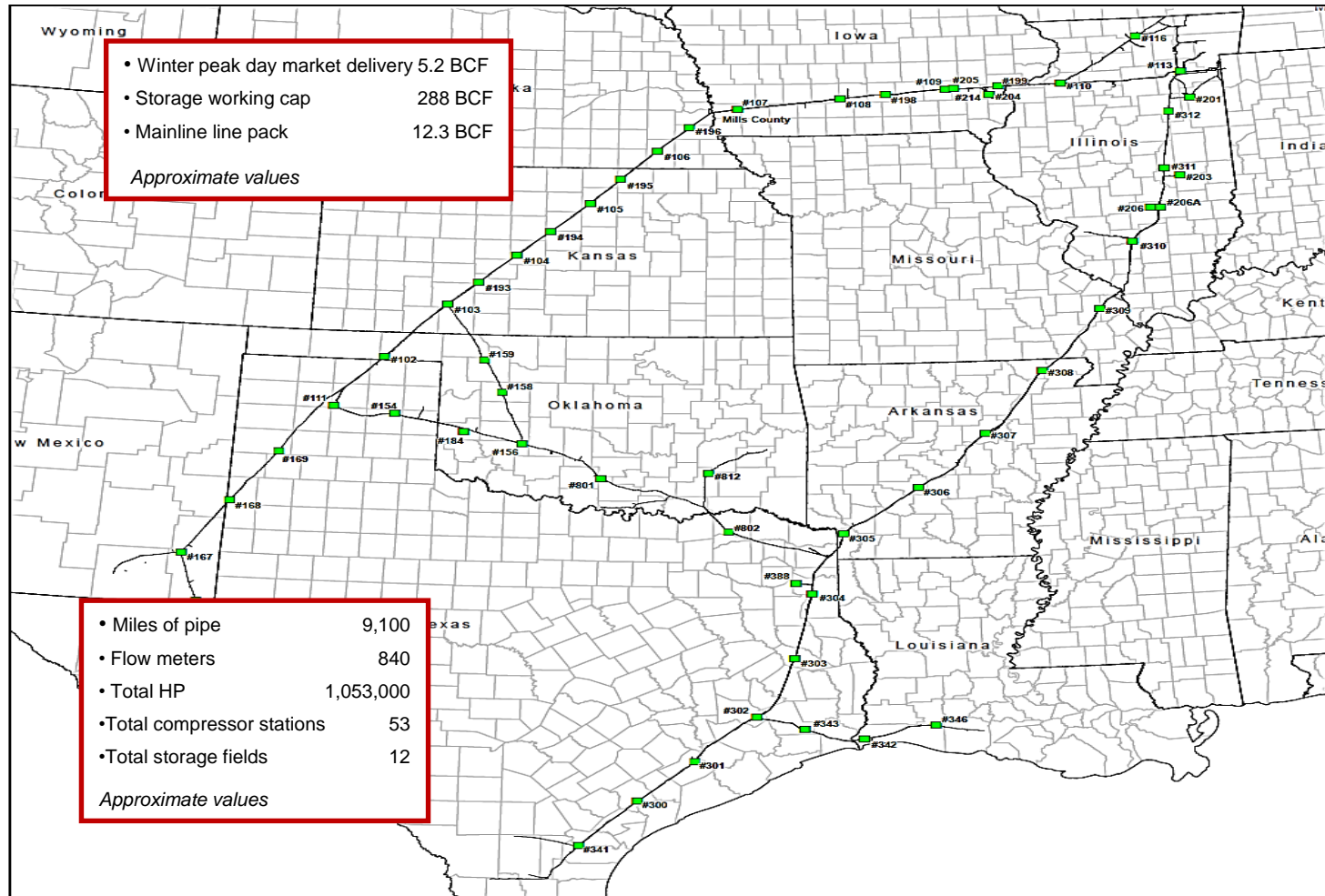
# *Agenda*

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- Introduction
- System Overview
- Summer 2020 Review
- Outage Summary
- Winter 2019/2020 Lookback
- Winter Readiness
- Storage Update
- Contact List

# System Overview

# NGPL System Map



# Annual Average Daily Flows - System

	<u>2018</u>	<u>2019</u>	<u>2020*</u>	<u>Change</u>
LDC	2,428	2,344	1,970	-16%
Power	629	660	717	9%
Pipeline Interconnects	939	1,020	1,108	9%
Mexico	241	167	142	-15%
LNG	597	849	676	-20%
Industrial	62	56	54	-4%
<b>TOTAL</b>	<b>4,896</b>	<b>5,096</b>	<b>4,667</b>	<b>-8%</b>

Volumes are MDth/d

\*Through September

# Annual Average Daily Flows – Market Area

	<u>2018</u>	<u>2019</u>	<u>2020*</u>	<u>Change</u>
LDC	2,423	2,337	1,966	-16%
Power	202	251	308	23%
Pipeline Interconnects	143	137	87	-36%
Industrial	45	42	43	2%
TOTAL	2,813	2,767	2,404	-13%

Volumes are MDth/d

\*Through September

# Summer 2020 Review

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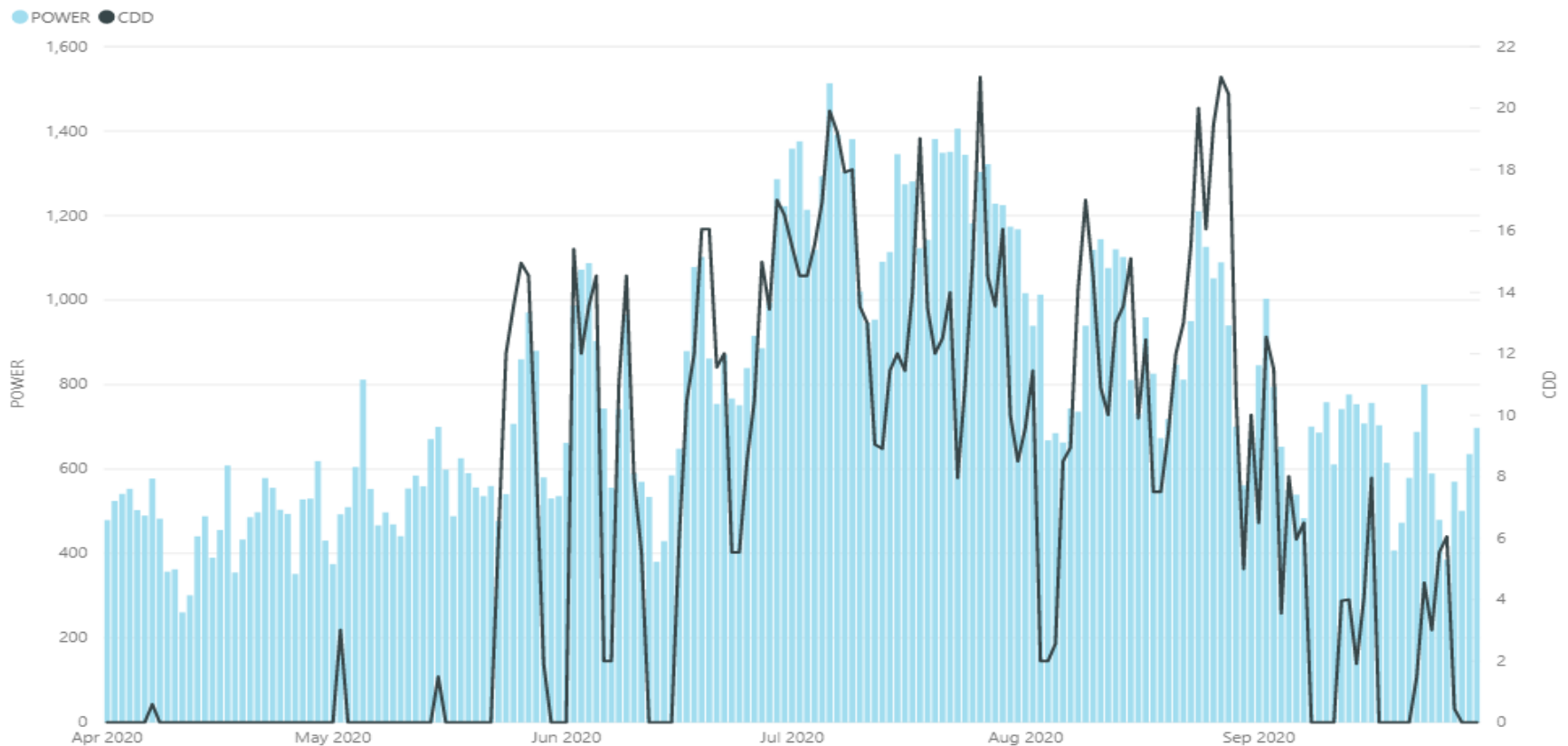
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- System and Market Area deliveries are down 10% compared to previous summer.
- Significant drop in LNG deliveries.
  - COVID-19 Impact
    - Worldwide demand for LNG down (currently recovering)
  - Weather Events (tropical storms and hurricanes)
- Power Plant demand remained strong throughout the summer.
  - Power Plant Delivery Record: 1.5 Bcf (7/6/20)
  - Previous Record: 1.4 Bcf (8/5/19)
- Planned Maintenance Projects Completed in Summer Season
- Strong Injection Season



# NGPL Power & CDD's

April – September 2020



# Summer System Wide Flows

	<u>2019</u>	<u>2020*</u>	<u>Change</u>
LDC	1,872	1,675	-11%
Power	753	781	4%
Pipeline Interconnects	978	1,068	9%
Mexico	175	189	8%
LNG	833	453	-46%
Industrial	58	52	-10%
<b>TOTAL</b>	<b>4,669</b>	<b>4,218</b>	<b>-10%</b>

Volumes are MDth/d

\*Through September

# Summer Market Area Flows

	<u>2019</u>	<u>2020*</u>	<u>Change</u>
LDC	1,864	1,672	-10%
Power	322	344	7%
Pipeline Interconnects	116	57	-51%
Industrial	41	43	5%
TOTAL	2,343	2,116	-10%

Volumes are MDth/d

\*Through September

# 2020 Outage Summary

<u>Type</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>
Integrity	220	254	203
O&M	<u>252</u>	<u>233</u>	<u>207</u>
System Total	472	487	410
Market Area and Storage	71	63	36
Amarillo projects	201	240	200
GC projects	200	184	174
Posted	182	131	119
Posted with Impact	41	38	38

# *Managing Outages*

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- While some outages are immediate and/or unavoidable, where possible NGPL makes every attempt to minimize the duration of outages and consolidate work to limit the number of outages and minimize the impact to shippers.
- Kinder Morgan has dedicated mechanical and project team available, in addition to outside contract support.

# Integrity-related Testing/Assessment

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- The following table shows the typical timeline to receive results after a pig run is completed:

Type of In-Line Inspection Tool	# of weeks to determine a successful run	# of weeks to Preliminary Report	# of weeks to Final Aligned Report
MFL	1 - 2	3 - 4	8 - 13
AFD	2 - 3	3 - 4	12 - 16
EMAT	2 - 3	N/A	17 - 30

# Winter 2019/2020 Lookback

# *Winter 2019/2020 Lookback*

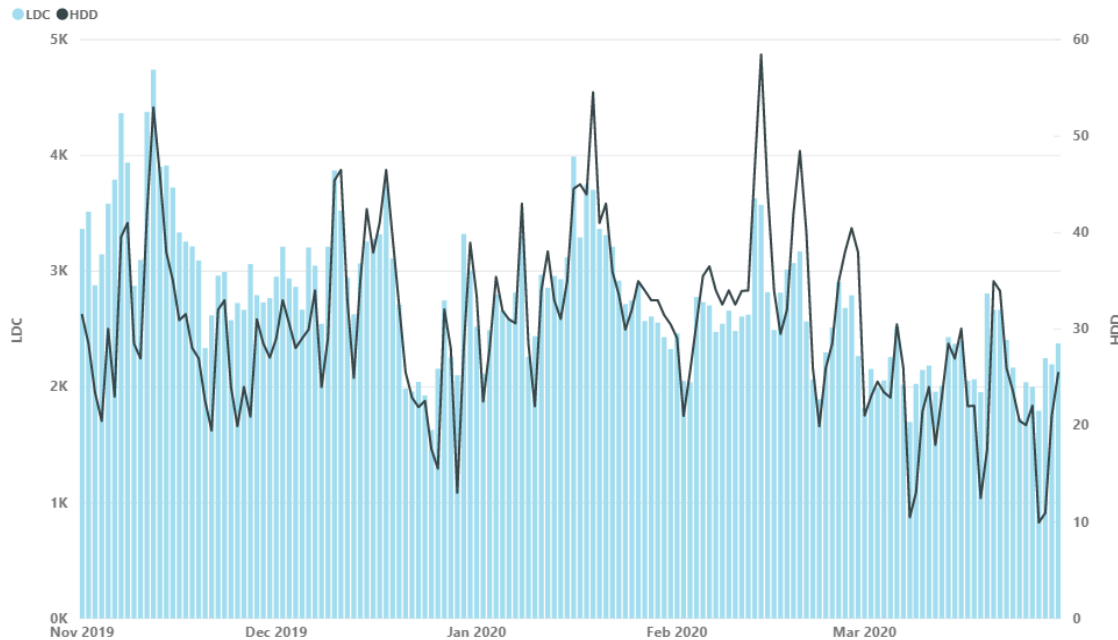
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- Natural's facilities performed well over the winter season
- No pressure issues in the Market Delivery Zone
- Storage assets were utilized as required
- Overall, winter system deliveries were flat compared to previous winter season.
- Peak Day Delivery Records
  - System Delivery – 7.9 Bcf ( 11/12/19)
    - Previous record – 7.7 Bcf (11/13/18)
  - LDC Delivery Record – 4.74 Bcf (11/12/19)
    - Previous record - 4.69 Bcf (1/30/19)
- No OFO's issued



# Winter Overview

- For Nov 1 through March 31, HDDs were 92 % of normal
- For Jan 1 through March 31, HDDs were 87% of normal



	HDDs- Variance from Normal	% of Normal
November	168	123%
December	-162	86%
January	-181	86%
February	-70	93%
March	-148	82%

# Winter System Wide Deliveries

	<u>2018-2019</u>	<u>2019-2020</u>	<u>Change</u>
LDC	3,031	2,755	-9%
Power	531	577	9%
Pipeline Interconnects	1,044	1,162	11%
Mexico	158	70	-56%
LNG	795	1,094	38%
Industrial	54	57	6%
<b>TOTAL</b>	<b>5,613</b>	<b>5,715</b>	<b>2%</b>

Volumes are MDth/d

# Winter Market Area Deliveries

	<u>2018-2019</u>	<u>2019-2020</u>	<u>Change</u>
LDC	3,025	2,748	-9%
Power	123	216	76%
Pipeline Interconnects	185	144	-22%
Industrial	42	43	2%
TOTAL	3,375	3,151	-7%

Volumes are MDth/d

# Winter Readiness

# Winter Readiness

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- Market Area storage projected to be near 117 Bcf on Oct 31<sup>st</sup>
- Market Area maintenance projects to be completed by early November
  - No expected impact
- Expected changes in pipeline flows:
  - Market area receipts encouraged
  - Traditional supply basins:
    - TexOk northbound is at or near capacity, but operational capacity may be available
    - Midcontinent will remain at capacity
- Expect scheduling restrictions to be implemented to protect Market Area storage fields, delivery pressures and line pack, as necessary
  - More detailed scheduling expectations posted on EBB
    - Possible limitations may include, e.g.:
      - Scheduling for unexpected outages
      - Hourly Rights restrictions
      - Point level or area OFOs
      - Withdrawals limited to WQ rights

# Winter Checklist

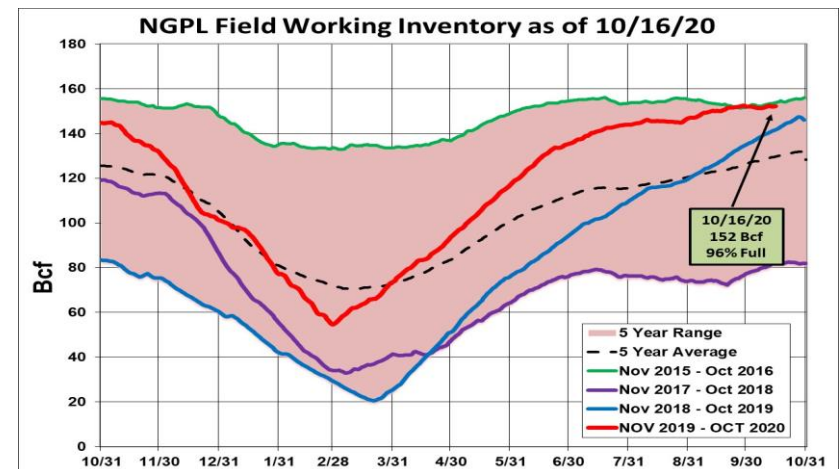
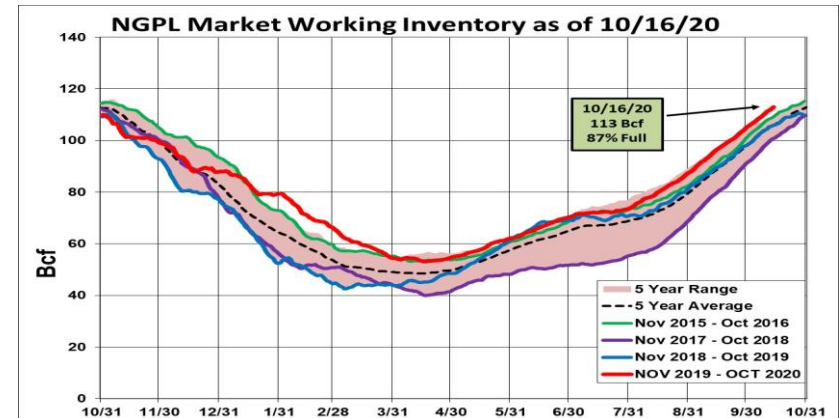
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- Compression
  - Test run all compressor units prior to increased demand due to colder weather
- Storage
  - All storage fields are ready for winter
  - Field Storage expected to be above 95% full
- Pipeline
  - Maintain line pack targets by area
  - Maintain throughput targets
  - Maintain pressures for key areas
  - Field Ops to man key sites
- Scheduled Maintenance
  - Limit planned maintenance activities to those required by regulation or policy
- Customer Communications
  - NGPL posts system capacity and outage information
  - NGPL Scheduling Representatives and Account Directors are available for questions

# Storage Update

# Gas Storage Inventory Update

- 2020 Update
  - Strong injections : April through October
  - Market fields performing as expected
  - Market storage above 5 year range
  - Overall injections are near record highs
  
- 2021 Winter Outlook
  - Market fields on pace to achieve target inventory level
  - Field inventory on pace to be near full on October 31





# Contact List

# NGPL Contact List

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## Gas Control

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## Transport and Stor Services

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## Account Services

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