



KINDER MORGAN

25 YEARS
1997-2022

West Region – Rockies Pipelines

Winter Customer Outreach Meeting

Oct 26, 2022



Colorado Interstate Gas Company, L.L.C.
a Kinder Morgan company



Wyoming Interstate Company, L.L.C.
a Kinder Morgan company



Cheyenne Plains
Gas Pipeline Company, L.L.C.



RUBY PIPELINE LLC



Young Gas Storage Company, Ltd.



Kinder Morgan Keystone Gas Storage LLC
a Kinder Morgan company

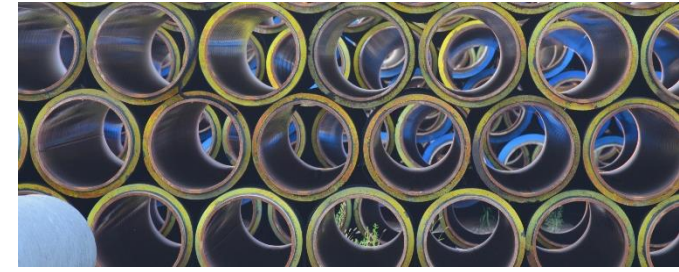
- Introduction
- Rockies Pipes Scheduling Update
 - Staff Introduction / Contact Sheet
 - Throughput Trends
 - Map Review
 - DART Changes/Improvements
- Seasonal Prep
- Customer Feedback and Q & A
- Wrap-up

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Rockies Pipelines Update

Rich Aten
Manager – Pipeline Scheduling



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 El Paso Natural Gas Company, L.L.C.
a Kinder Morgan company

 Mojave Pipeline Company, L.L.C.
a Kinder Morgan company

 Sierrita Gas Pipeline LLC

 Colorado Interstate Gas Company, L.L.C.
a Kinder Morgan company

 Wyoming Interstate Company, L.L.C.
a Kinder Morgan company



Cheyenne Plains Gas Pipeline Company, LLC

 RUBY PIPELINE LLC

 KINDER MORGAN TRANSCOLORADO GAS TRANSMISSION COMPANY LLC

 Young Gas Storage Company, Ltd.

 Kinder Morgan Keystone Gas Storage LLC
a Kinder Morgan company

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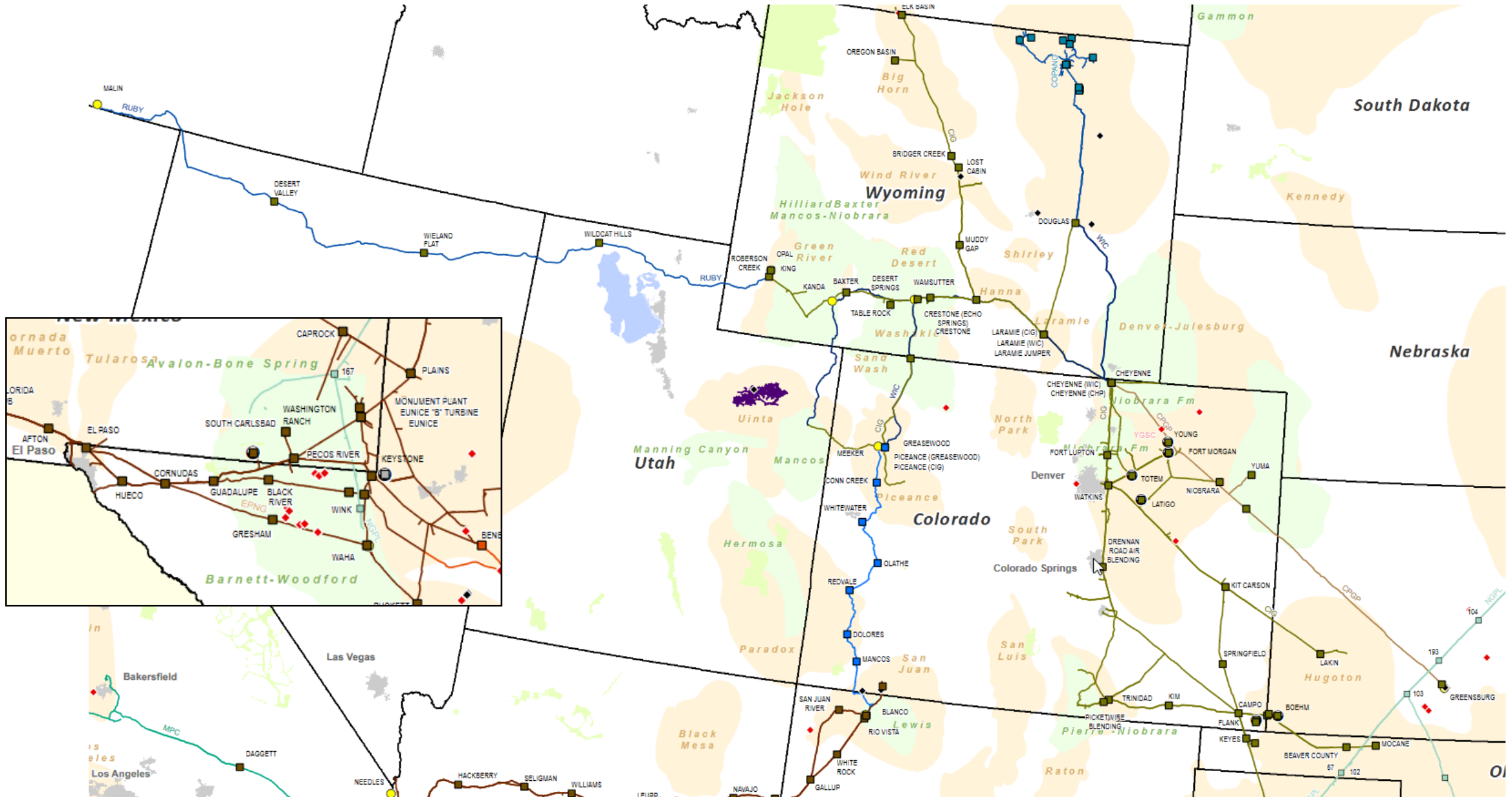


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Scheduling Overview – KM Rockies Assets



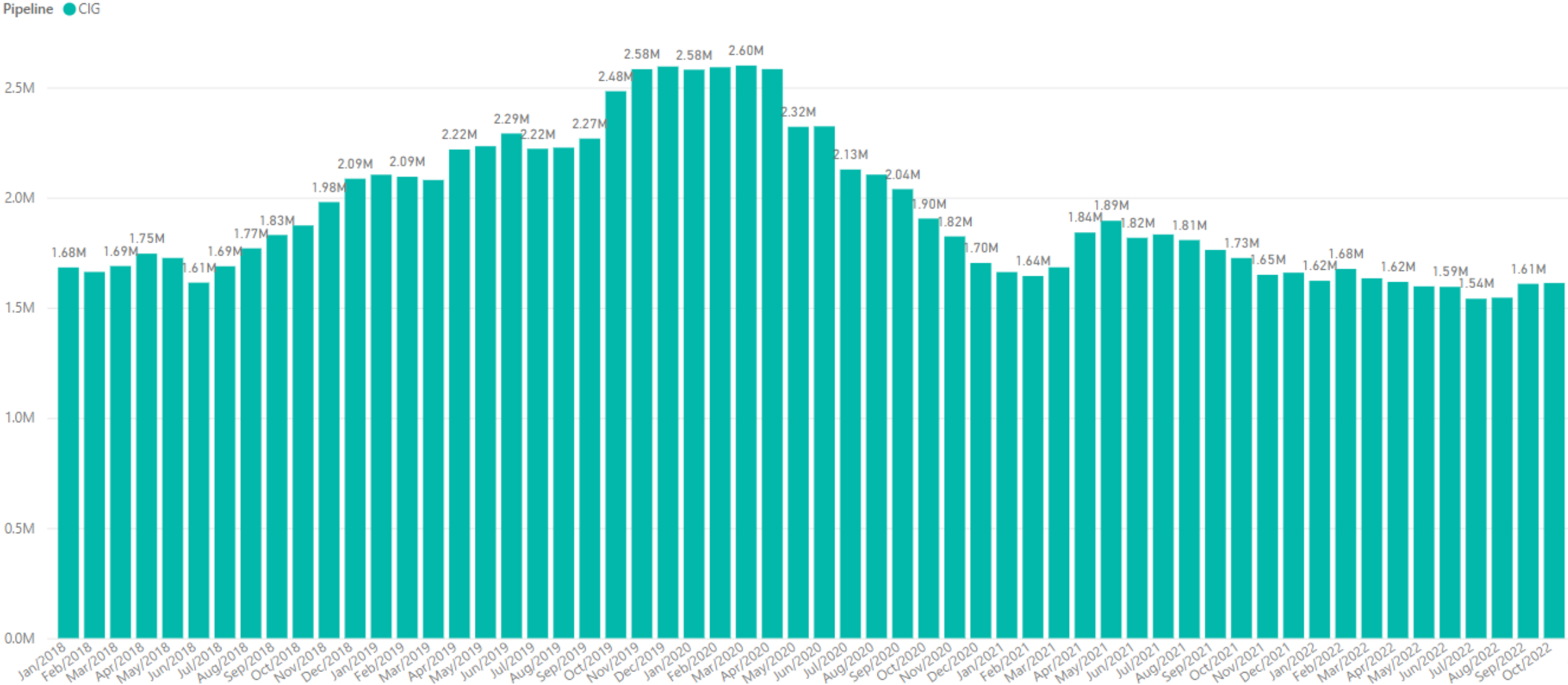
Scheduling Overview

Throughput Trends



25 YEARS
1977-2022

Colorado Interstate Gas Denver-Julesburg Basin *Daily Average Receipts 2018 to Present*



Scheduling Overview

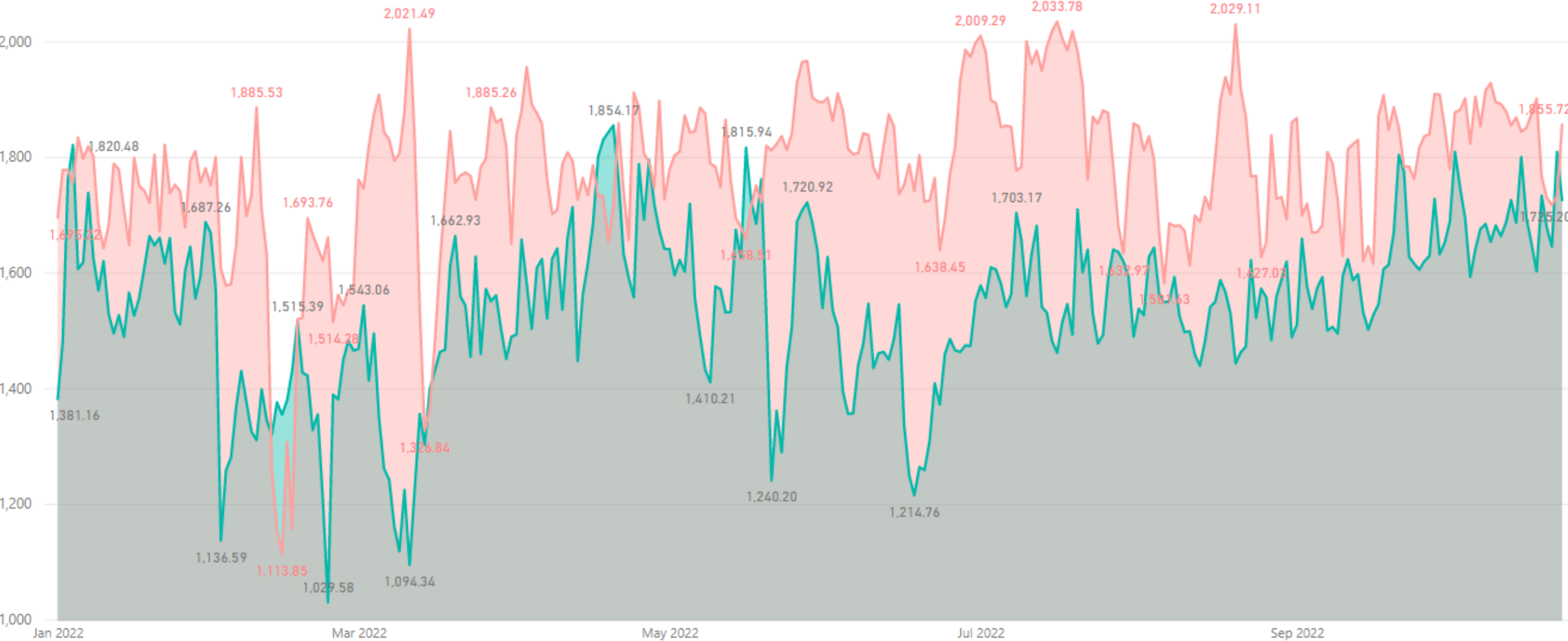
Throughput Trends



25 YEARS
1997-2022

WIC – Total Deliveries YTD 2022 vs. 2021

● YTD Trend Current ● YTD Trend Last



Scheduling Overview

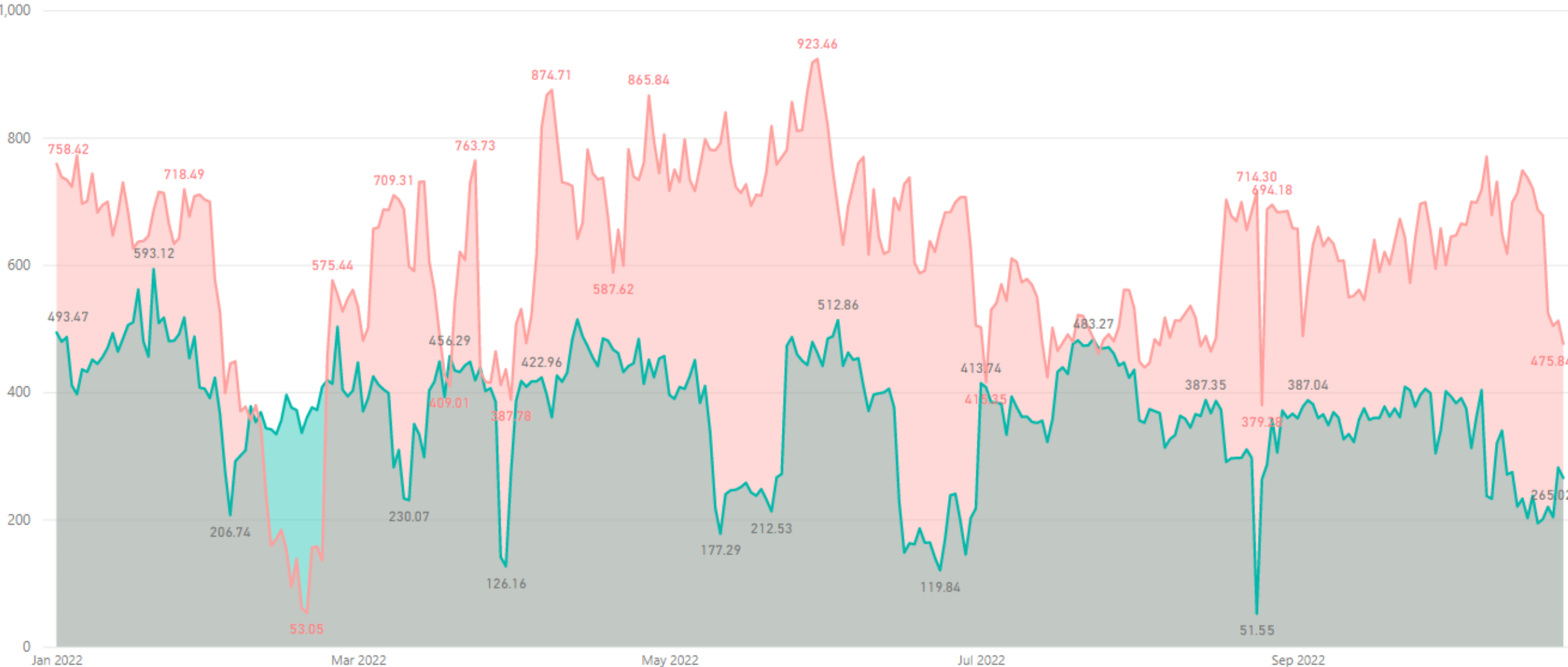
Throughput Trends



25 YEARS
1997-2022

RUBY – Total Deliveries YTD 2022 vs. 2021

● YTD Trend Current ● YTD Trend Last



Scheduling Overview

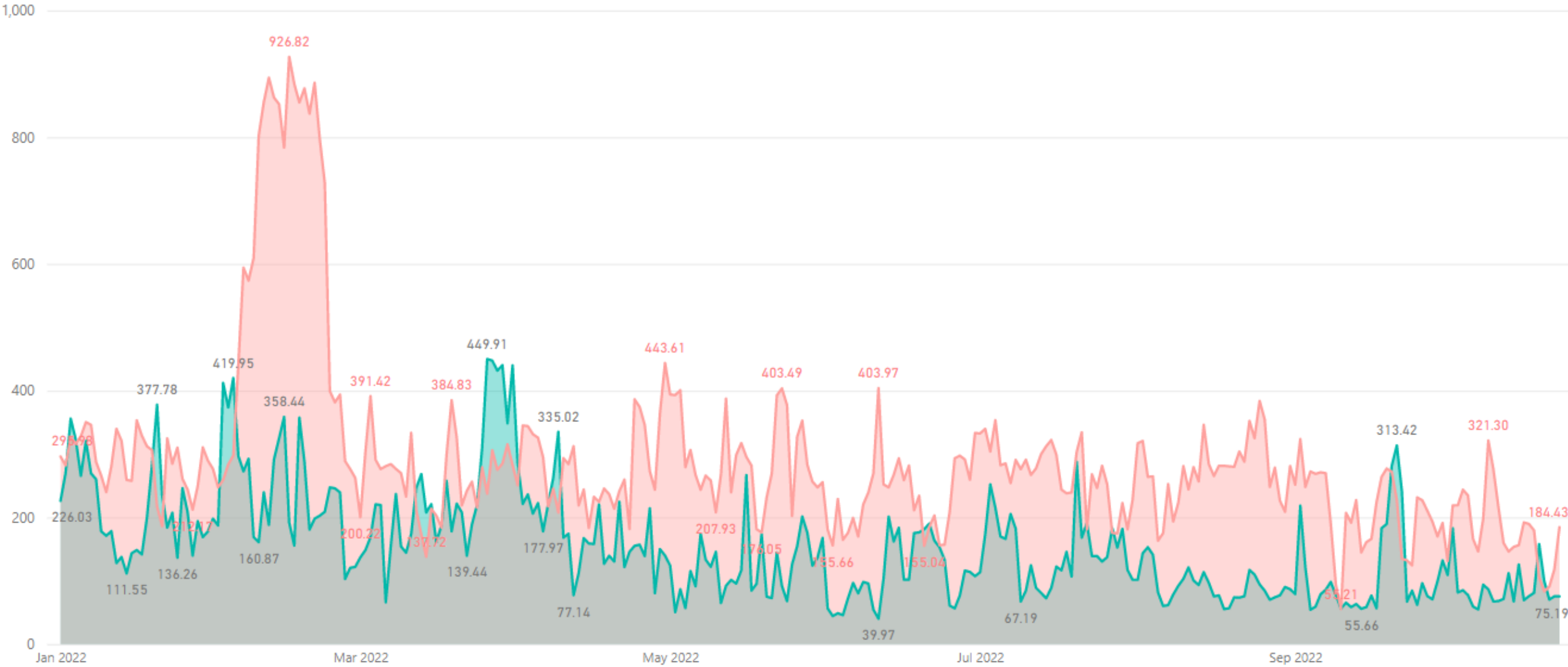
Throughput Trends



25 YEARS
1997-2022

Cheyenne Plains – Total Deliveries YTD 2022 vs. 2021

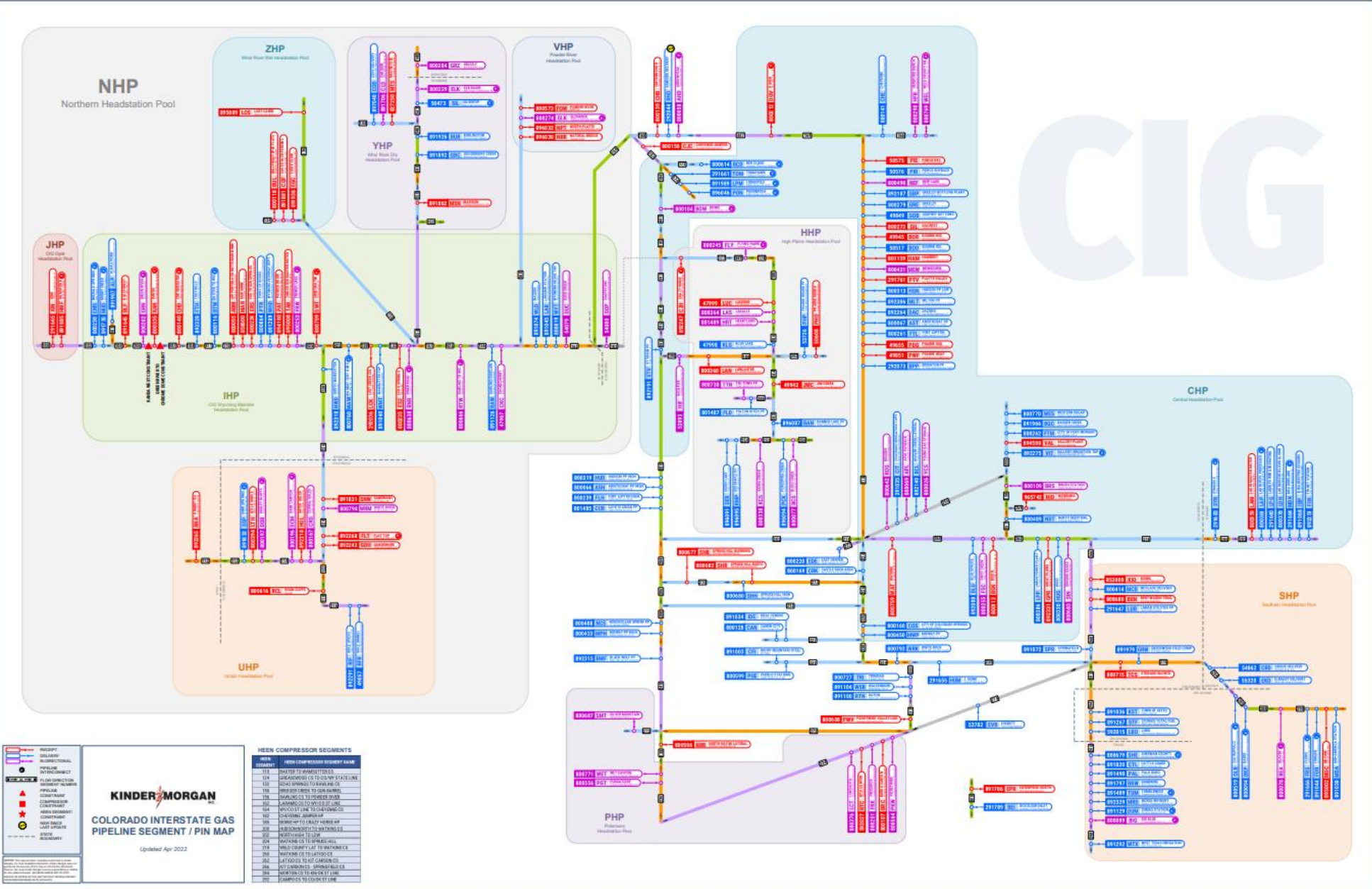
● YTD Trend Current ● YTD Trend Last



Current CIG System Map

<https://pipeline2.kindermorgan.com/PortalWeb/PortalDocs.aspx?code=CIG&parent=18004>

CIG



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COLORADO INTERSTATE GAS PIPELINE SEGMENT / PIN MAP
 Updated Apr 2022

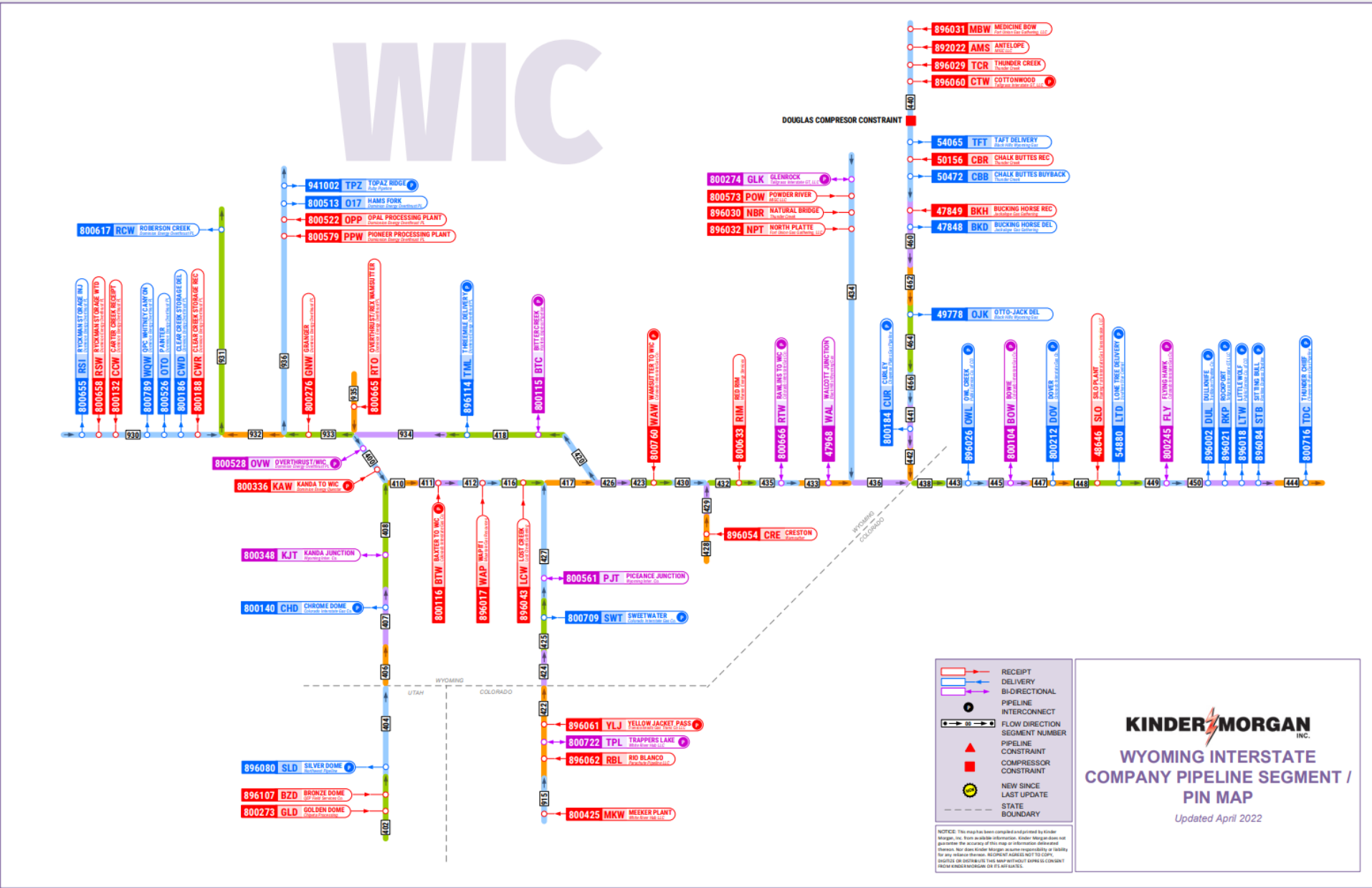
SEGMENT	HEAD COMPRESSOR SEGMENT NAME
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116	SMITH TO HANCOCK CO
117	SMITH TO HANCOCK CO
118	SMITH TO HANCOCK CO
119	SMITH TO HANCOCK CO
120	SMITH TO HANCOCK CO
121	SMITH TO HANCOCK CO
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166	SMITH TO HANCOCK CO
167	SMITH TO HANCOCK CO
168	SMITH TO HANCOCK CO
169	SMITH TO HANCOCK CO
170	SMITH TO HANCOCK CO

Current WIC System Map

<https://pipeline2.kindermorgan.com/PortalWeb/PortalDocs.aspx?code=WIC&parent=18004>



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1997-2022



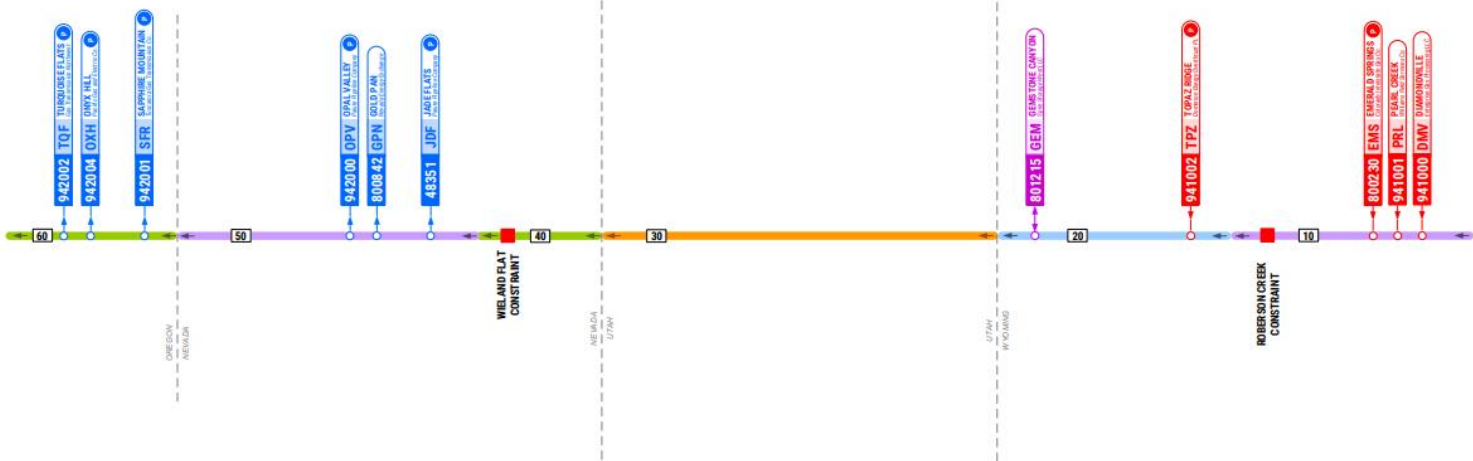
Current RUBY System Map

<https://pipeline2.kindermorgan.com/PortalWeb/PortalDocs.aspx?code=RUBY&parent=18004>



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1997-2022

RUBY PIPELINE



**RUBY PIPELINE
SEGMENT / PIN MAP**

Updated April 2020

RECEIPT (red arrow pointing right)

DELIVERY (blue arrow pointing left)

BI-DIRECTIONAL (purple arrow pointing both ways)

PIPELINE INTERCONNECT (circle with dot)

FLOW DIRECTION (arrow with number)

SEGMENT NUMBER (circle with number)

PIPELINE CONSTRAINT (red triangle)

COMPRESSOR CONSTRAINT (red square)

NEW SINCE LAST UPDATE (yellow circle with 'N')

STATE BOUNDARY (dashed line)

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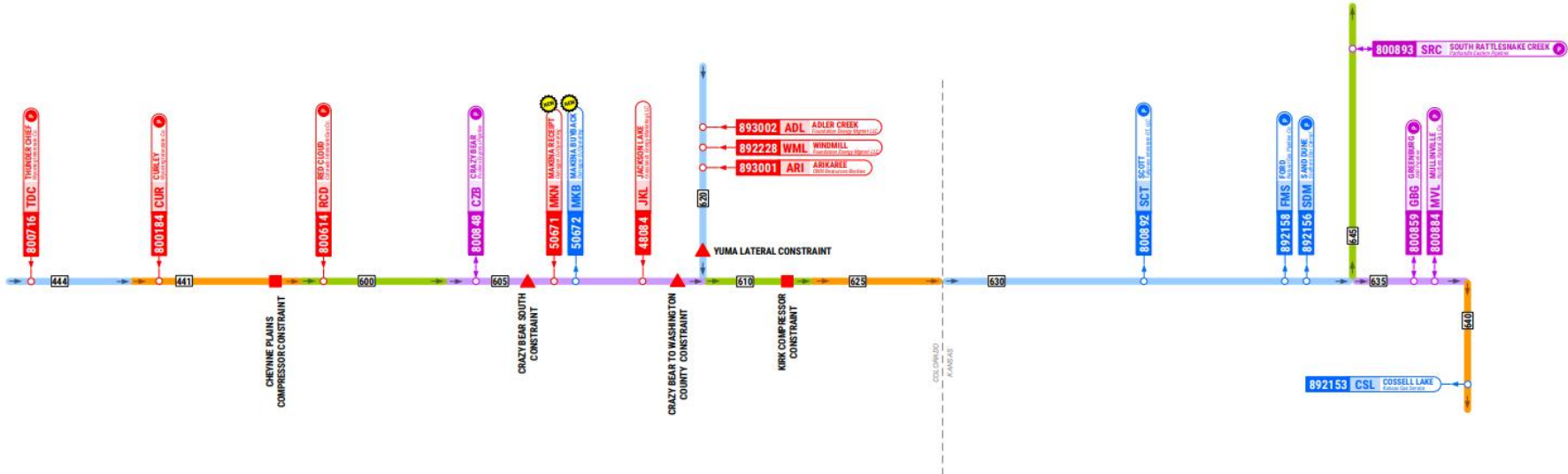
Current Cheyenne Plains System Map

<https://pipeline2.kindermorgan.com/PortalWeb/PortalDocs.aspx?code=RUBY&parent=18004>



25 YEARS
1997-2022

CHEYENNE PLAINS



	RECEIPT
	DELIVERY
	BI-DIRECTIONAL
	PIPELINE
	INTERCONNECT
	FLOW DIRECTION
	SEGMENT NUMBER
	PIPELINE CONSTRAINT
	COMPRESSOR CONSTRAINT
	NEW SINCE LAST UPDATE
	STATE BOUNDARY

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INC.

**CHEYENNE PLAINS PIPELINE
SEGMENT / PIN MAP**

Updated May 2020

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Current TransColorado System Map

<https://pipeline2.kindermorgan.com/PortalWeb/PortalDocs.aspx?code=TCP&parent=18004>



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1997-2022

TRANSCOLORADO

RECEIPT
DELIVERY
PIPELINE
BI-DIRECTIONAL
PIPING
NORTH
SOUTH
SECTION NUMBER

CONSTRAINT
COMPRESSOR
CONSTRAINT
NEW SINCE
LAST UPDATE

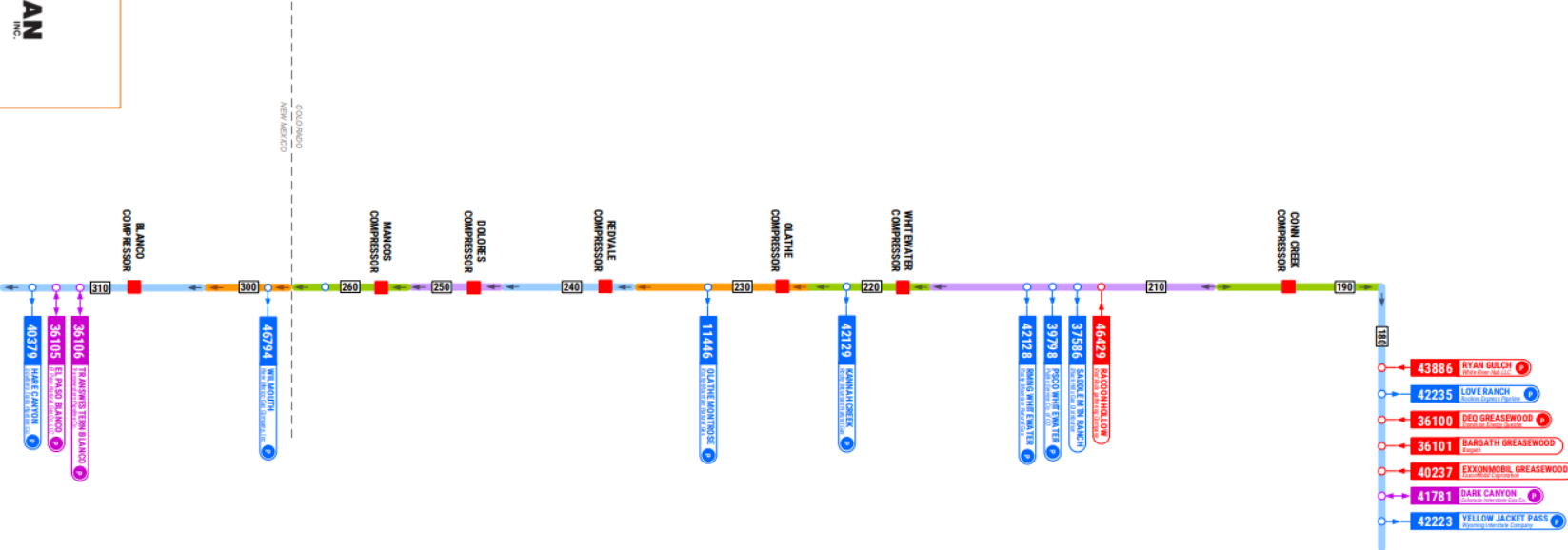
STATE
BOUNDARY

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TRANSCOLORADO PIPELINE SEGMENT / PIN MAP

Updated January 2022



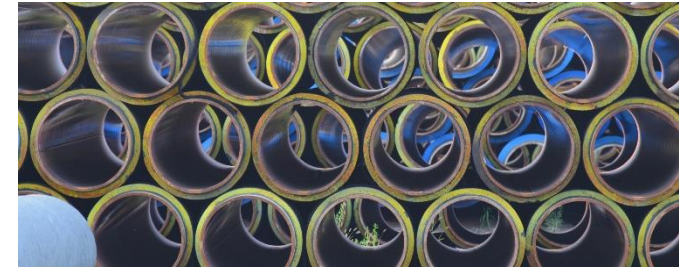
- Multifactor authentication
- Ongoing back-end performance upgrades

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25 YEARS
1997-2022

Rockies Winter Prep

Jim Cordaro
VP Pipeline Management



Air Blending Facilities

- Ready for winter service no later than October 31
- Critical valves inspected and serviced
- Btu measurement tested for proper operation (including spares)
- Dehydration
 - Dry filter replacement
 - Heater operation verification and switch to standing pilot
 - Light Boilers for freeze protection and check circulation
- Electric heat trace on and operational
- Air compression inter-stage fin fan louvers inspected

Compressor Stations

- Heaters inspected and activated
- Boiler systems inspected for leaks and proper circulation
- Piping/equipment heat trace tested and insulation inspected
- Engine/compressor Hot Start equipment on and working
- Critical spare parts inventory or availability
- Emergency generators started and power transfer tested
- Storage tanks prepared for product handling
- Air dryer systems checked and serviced
- Critical valves inspected and serviced
- Snow removal equipment inspected and tested

Metering and Pipeline Facilities

- Regulator/relief inspection
- Critical valves inspected and serviced
- Inspect and test batteries, UPS systems (AC and DC)
- Solar Panels and gas flow computers (GFC) at main line block valves inspected
- Gas analyzer supplies checked/replenished
- Inspect/change desiccant in power gas dryers

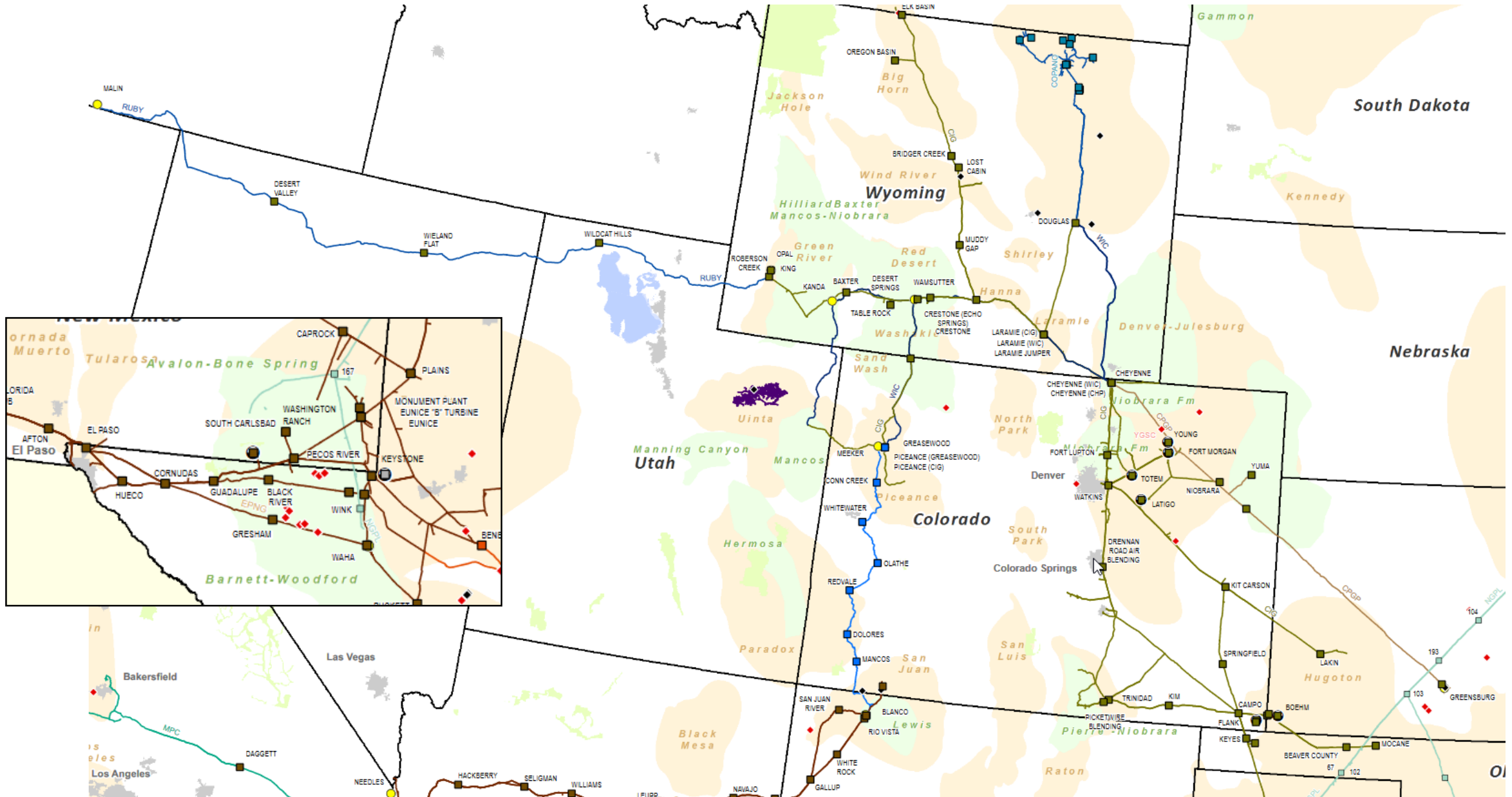
Communication Systems

- Two-way radios tested
- Cell phone batteries and chargers operating properly

Telecom Microwave Sites

- Chargers, batteries, building HVAC equipment inspected
- Backup generators tested, fluid levels inspected
- Anti-freeze effective to -30° Fahrenheit
- Propane tanks and regulation systems functional and adequately supplied

Scheduling Overview – KM Rockies Assets



- Pre-storm coordination conference calls between Field Operations and Gas Control
 - Discuss areas of focus
 - Establish communication avenues for employees to convey intentions before, during, and after storms
 - Establish manning of key facilities including those that may not be accessible after a storm

CIG Cold Weather Posting Process

and Response to DJ Supply Failures



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- Weather Forecast Triggers
 - single day with highs in the teens, lows single digit to sub-zero
 - sustained multi-day winter weather conditions
 - interconnecting pipeline cold weather postings
- By 5am each day
 - Gas Control compiles list of underperforming receipts
- Postings
 - List underperforming receipts and associated scheduling caps to drive receipt/delivery balance

CIG Cold Weather Posting Process

(Items 2 thru 4 Assume Underperforming Receipts)



25 YEARS
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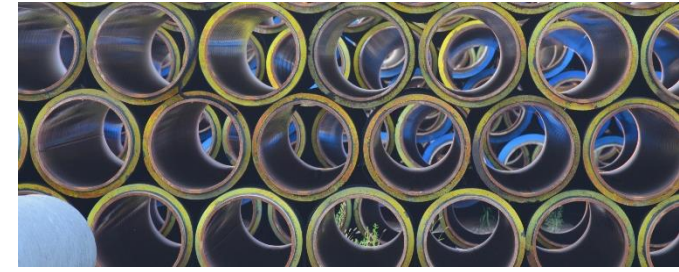
1. Cold Weather Notice posted days in advance of cold weather
 - Notice states CIG will cap underperforming receipts at the next available cycle during the cold weather period
2. Strained Operating Condition Notice coupled w/ Performance Cap Notice on underperforming receipts
3. Critical Condition Notice
4. Operational Flow Order
 - System at grave risk, may require very specific flow orders
 - Examples
 - “ Shipper A must provide Y MDth/d supply at Flying Hawk”

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Customer Feedback – Q&A

KM West Region Staff



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Wrap-Up

Rich Aten

