

# Dominion Energy® IRP Technical Conference

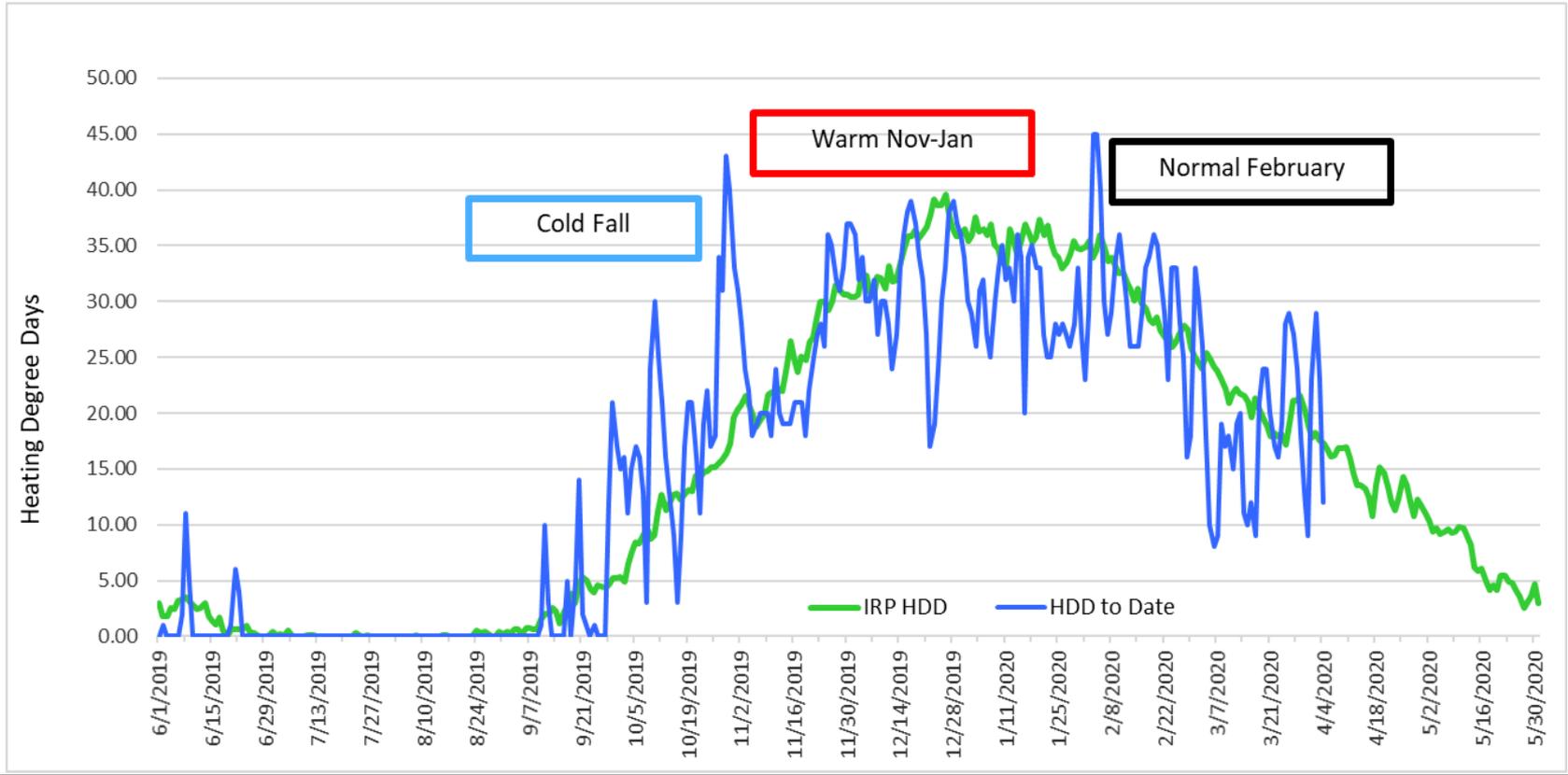
# 2020 IRP Schedule

- **March 9, 2020 – Technical Conference**
  - Review IRP Standards and Guidelines
  - Review 2019 PSC Order regarding IRP
  - LNG Project Update
  - Sustainability Initiatives Update
- **April 23, 2020 – Technical Conference**
  - Heating Season Review
  - System Integrity Update
  - Master Meter/Fuel Line Review
  - Wexpro Matters (Confidential)
  - RFP Review (Confidential)
- **May 12, 2020 – Technical Conference**
  - IRP Project Detail Discussion
  - Long-Term Planning
  - Future Rural Expansion Update
  - Future STEP Project Update

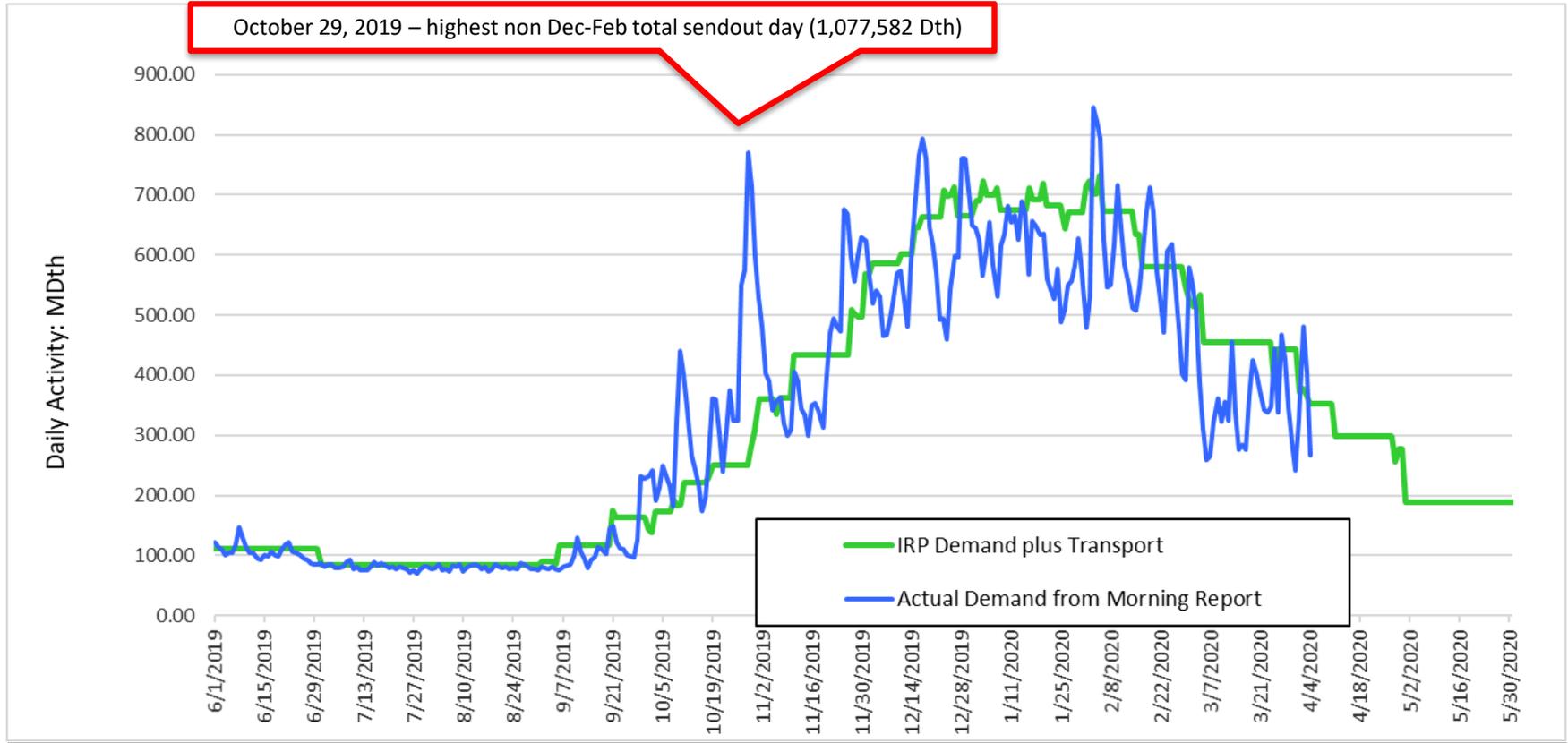
# Heating Season Review

Will Schwarzenbach

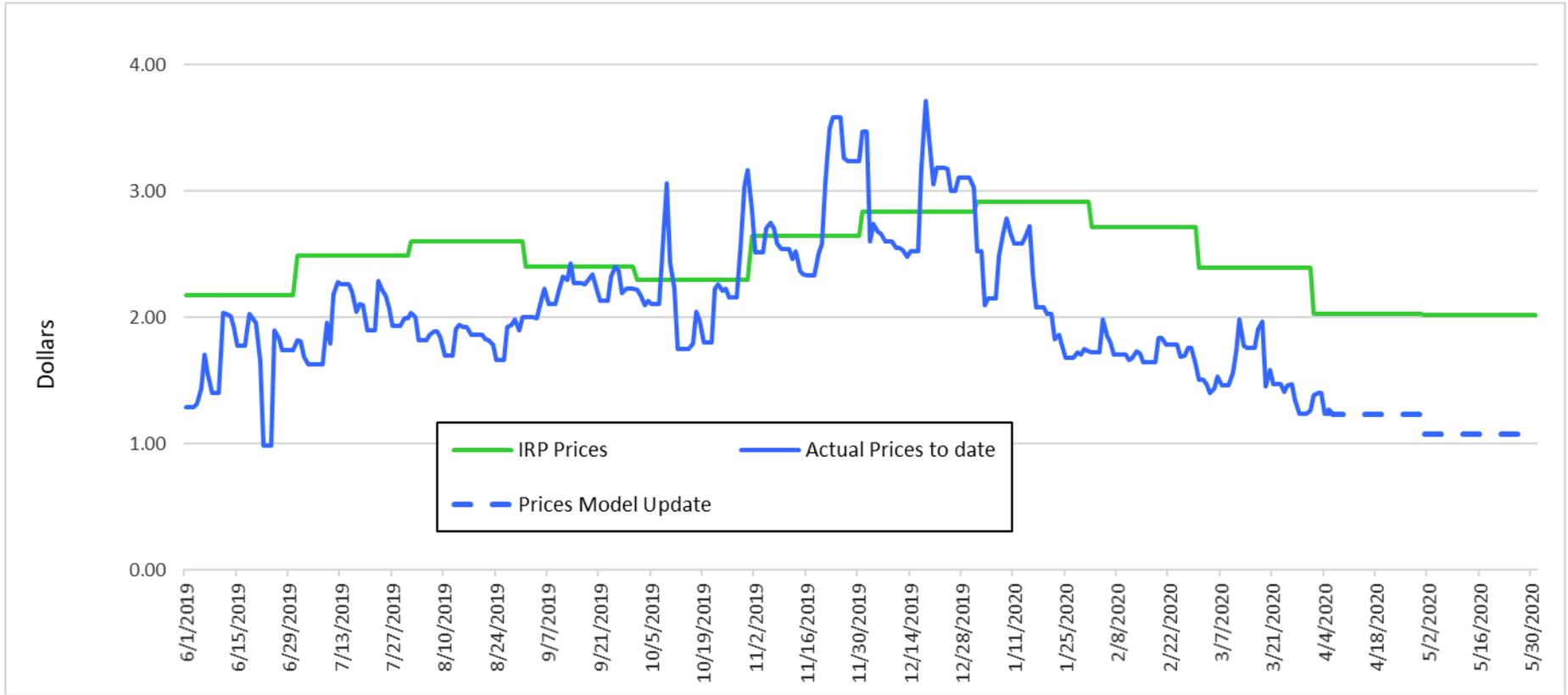
# Heating Degree Days



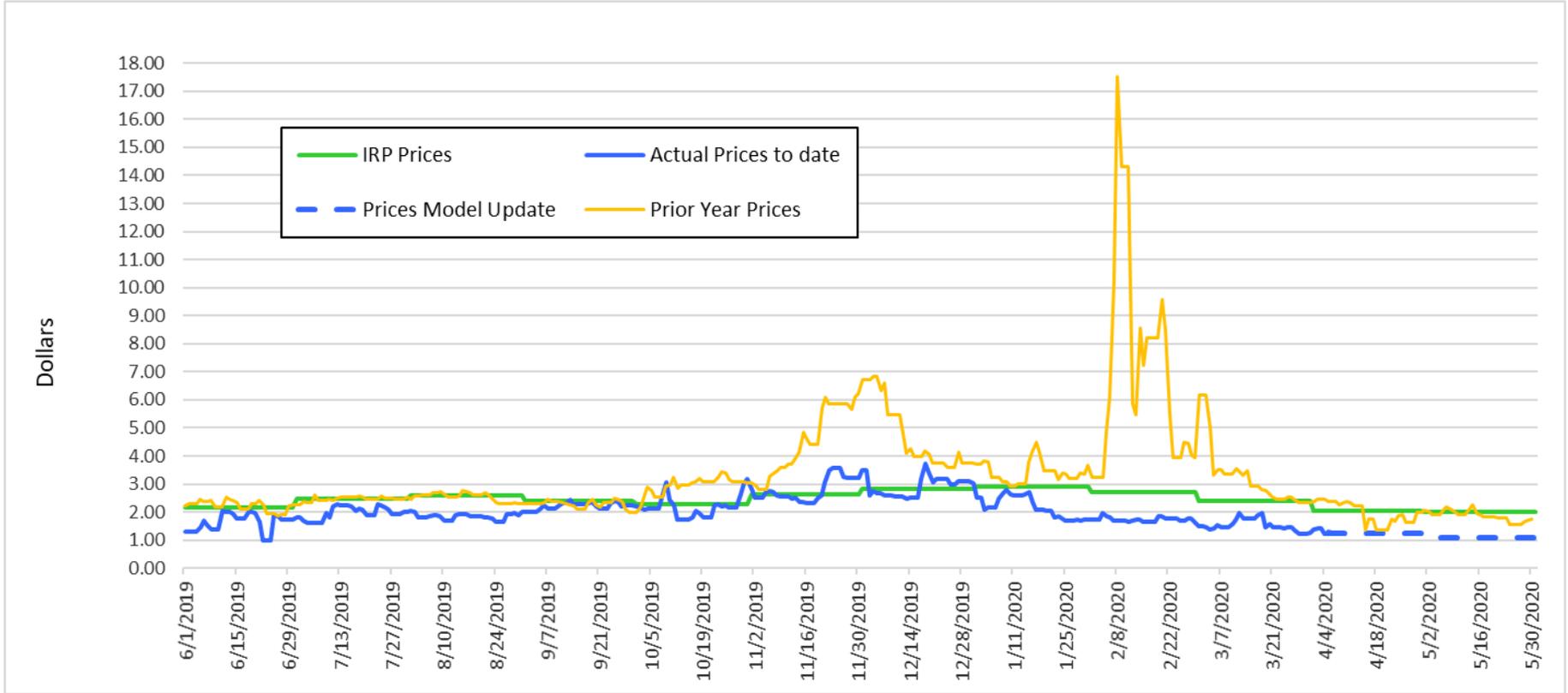
# Demand



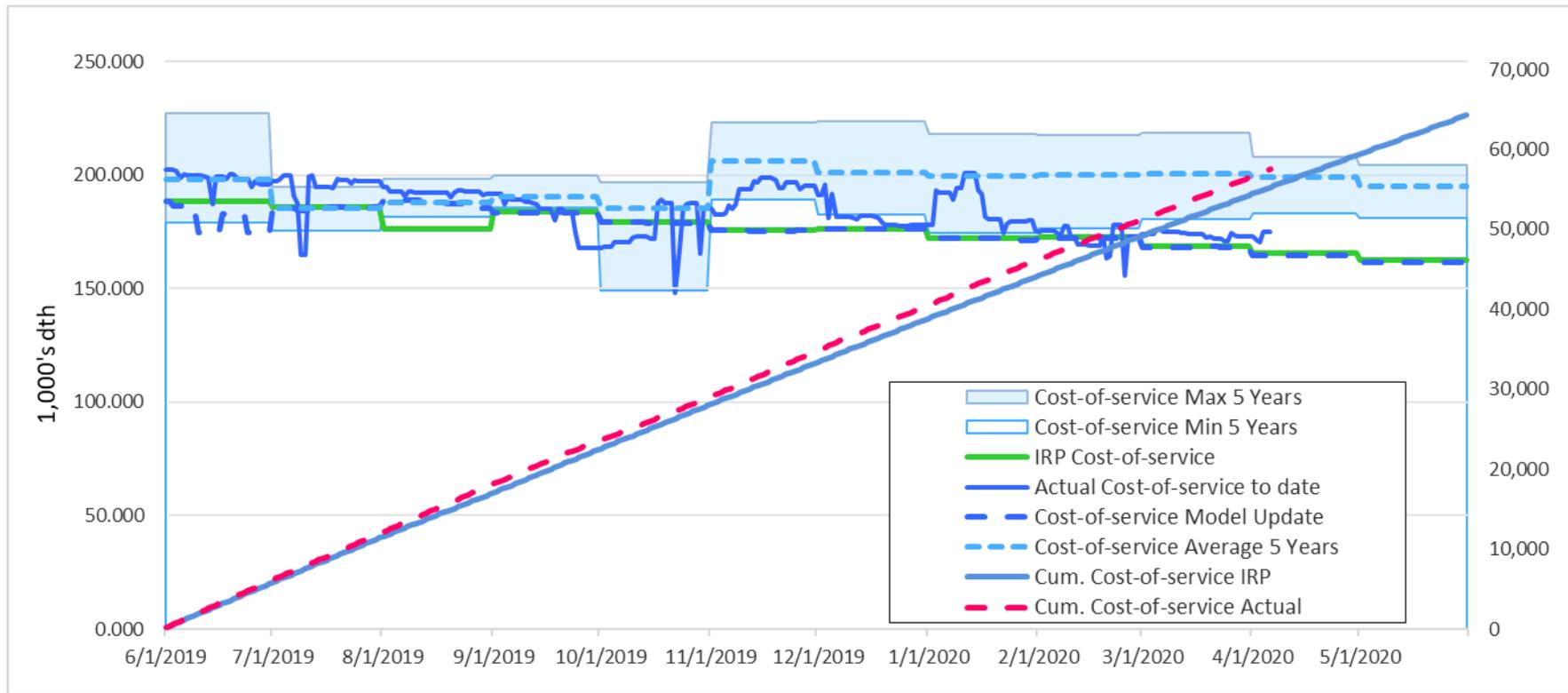
# Index Prices\*



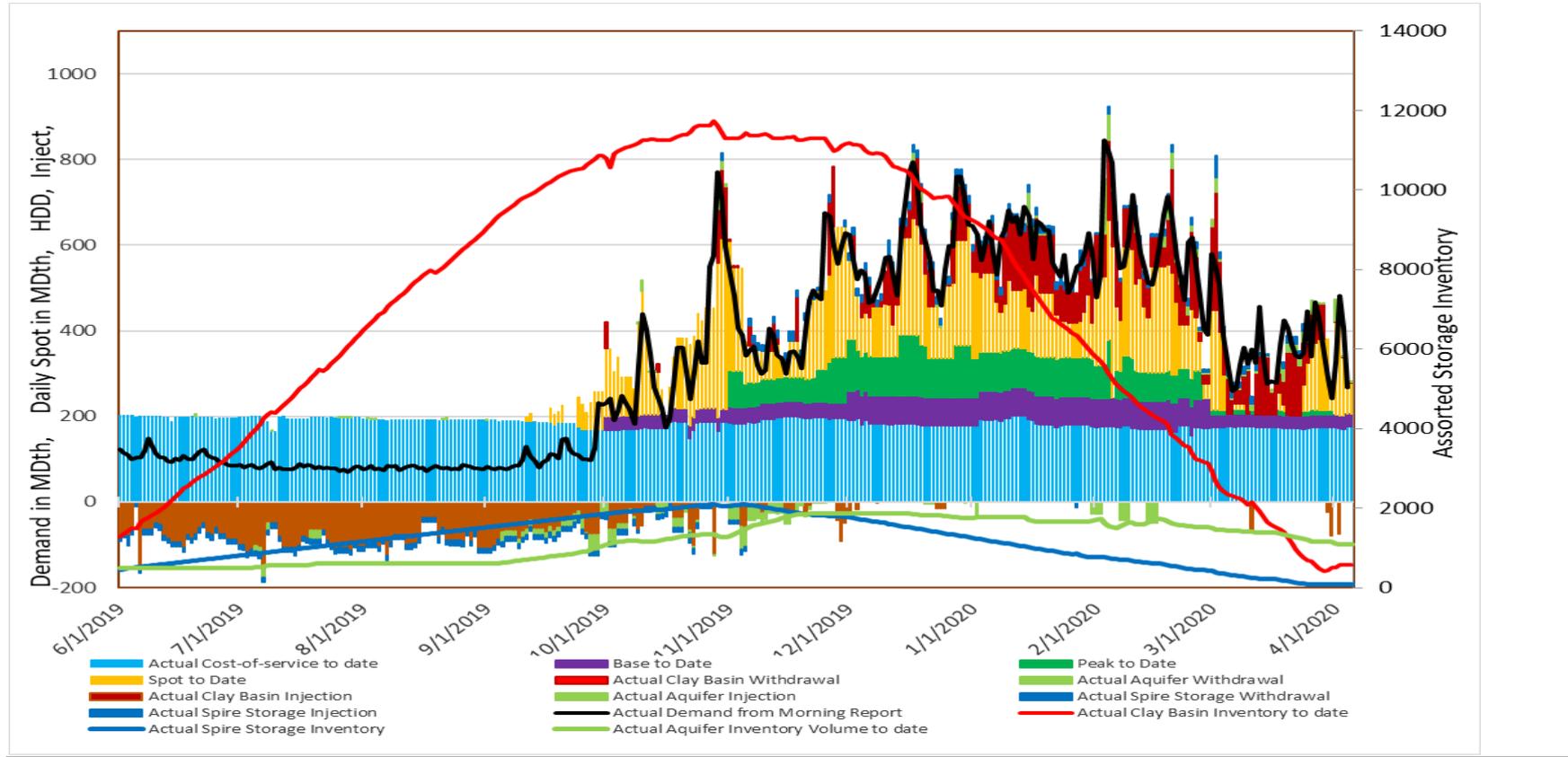
# Index Prices\*



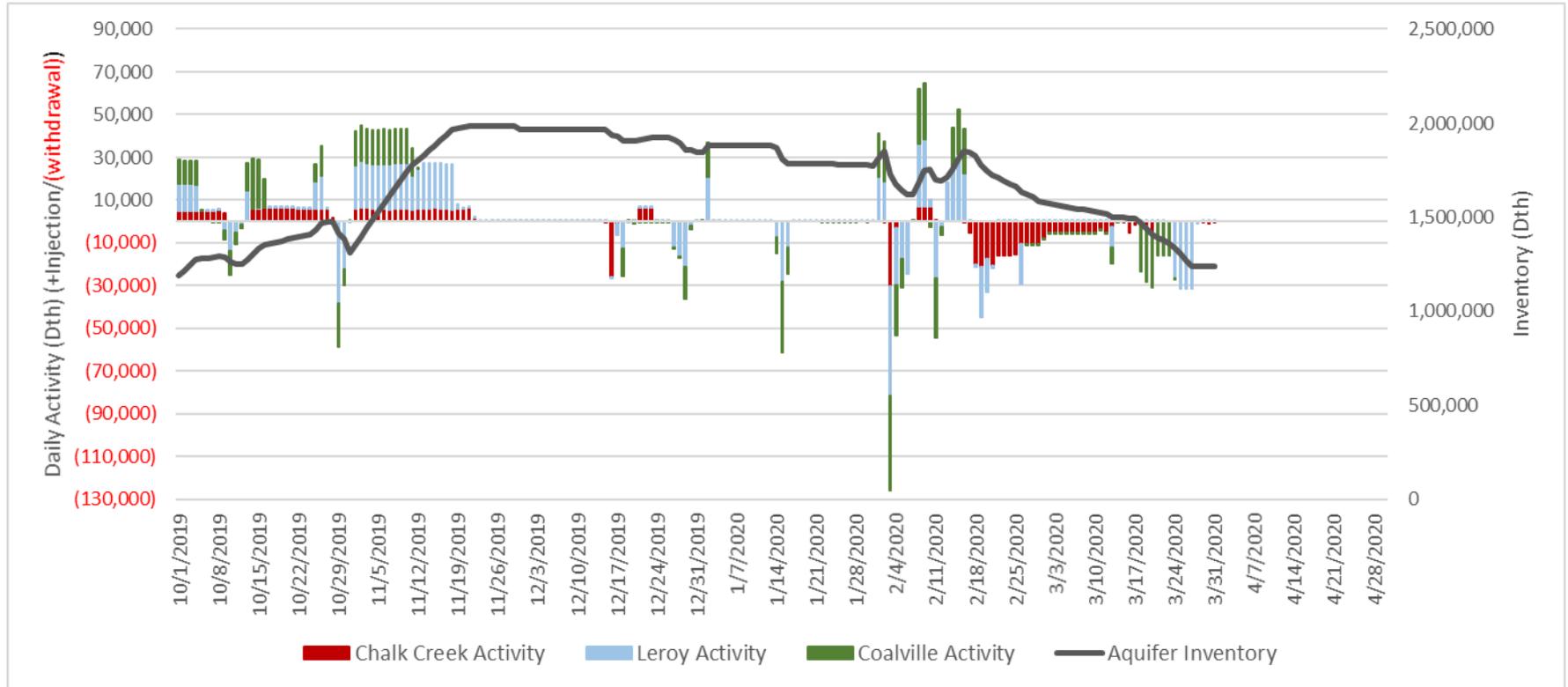
# Cost-of-Service Production



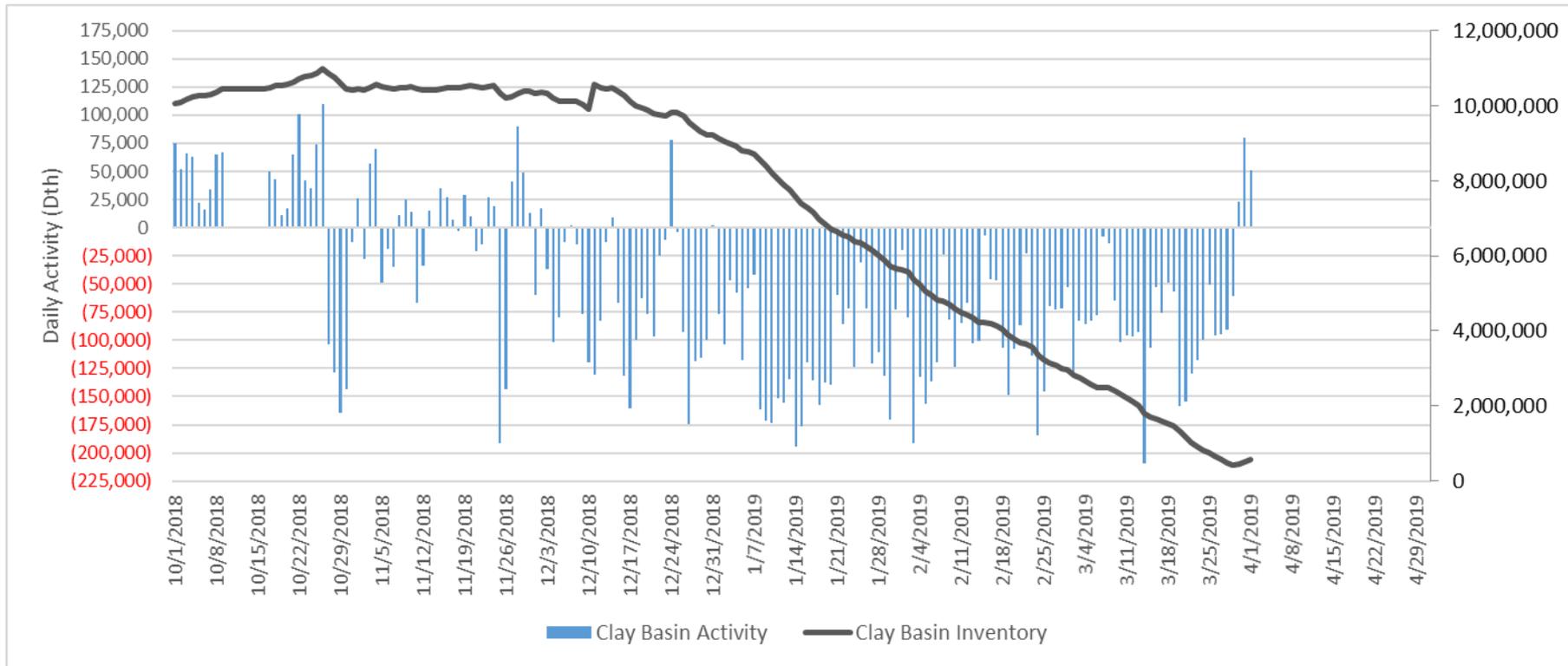
# Supply vs. Demand



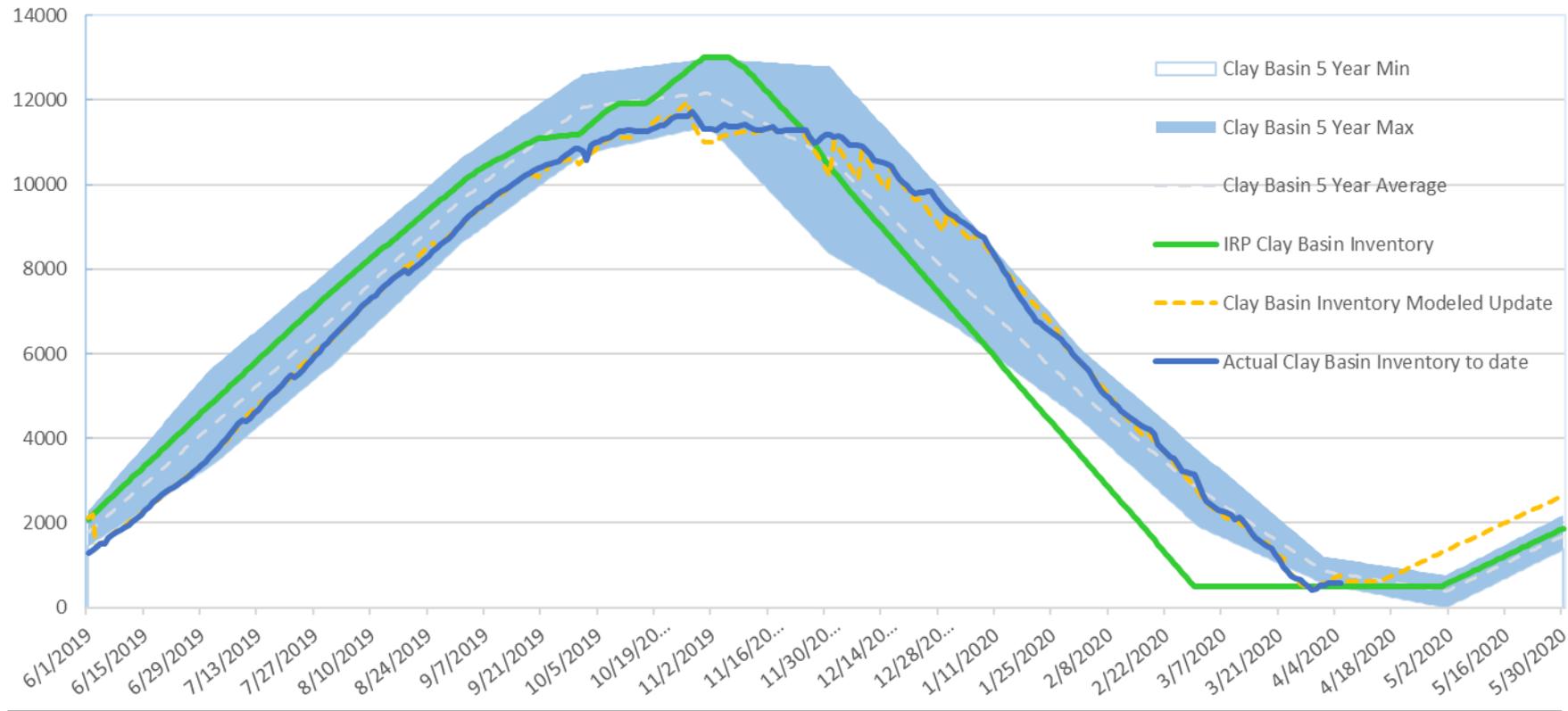
# Aquifer Daily Usage



# Clay Basin Daily Usage



# Clay Basin Inventory



# Summary

- DEU had only two brief cold periods throughout the winter
  - October and February
  - DEU had no design-day event this heating season
- Pricing was lower than forecasted for most of the winter
- Continued low prices are forecasted for the near future
- DEU received slightly more cost-of-service gas than estimated in the IRP but production volumes are declining
- DEU continued to utilize its storage contracts this heating season

# Integrity Management Update

Richard Kiser

# Integrity Management

Year	HCA Miles Assessed	Anomalies Repaired
2012	26.470	28
2013	50.367	27
2014	54.555	20
2015	11.040	2
2016	37.226	4
2017	12.935	8
2018	30.212	9
2019	25.571	3

	2020	2021	2022
Transmission Integrity Management Program	9,210	9,060	8,730
Distribution Integrity Management Program	1,719	1,734	1,689
<b>Total Integrity Management Cost (\$ Thousands)</b>	<b>10,929</b>	<b>10,794</b>	<b>10,419</b>

# Integrity Management

- Mega Rule
  - Part 1 published October 1, 2019 with effective dates of
    - October 1, 2019
      - Assessments outside HCAs
        - » Completed July 3, 2034, re-assess every ten years
      - MCAs
      - Expansion and clarification of integrity assessment methods
      - Launcher & receiver safety
      - Verification of pipeline material properties for transmission pipelines
      - Fracture Mechanics and cyclic fatigue
    - July 1, 2020
      - Expanded records requirements through out Part 192, traceable, verifiable, and complete
      - MAOP Reconfirmation
      - Material properties verification

# 2020-2021 Integrity Management

- Mega Rule (cont.)
  - Part 1 published October 1, 2019 with effective dates of (cont.)
    - July 1, 2021
      - Transmission pipelines MAOP reconfirmation
        - » 50% complete July 3, 2028, 100% July 2, 2035
  - Part 2
    - Expected publish date was later this year, it is expected that the current Covid-19 virus will likely push that back to 2021
    - Some of the expected topics include;
      - Revision of integrity management repair criteria
      - Codifying requirements for management of change
      - Functional requirements related to the nature and application of risk models
  - Part 3
    - Will also be delayed, but this part is expected to have no impact on the distribution company as it is focused on facilities not part of the distribution system.

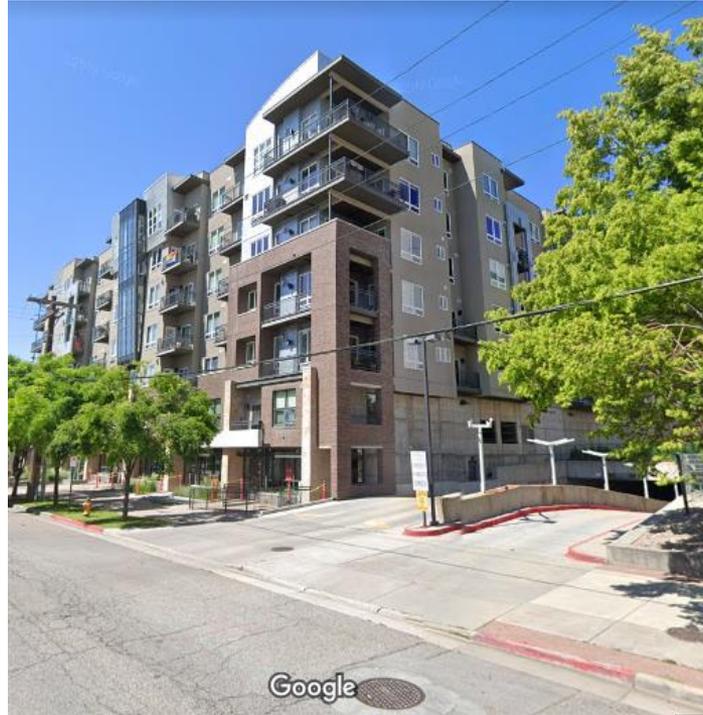
# Master Meter/Fuel Line Review

Kelly Mendenhall

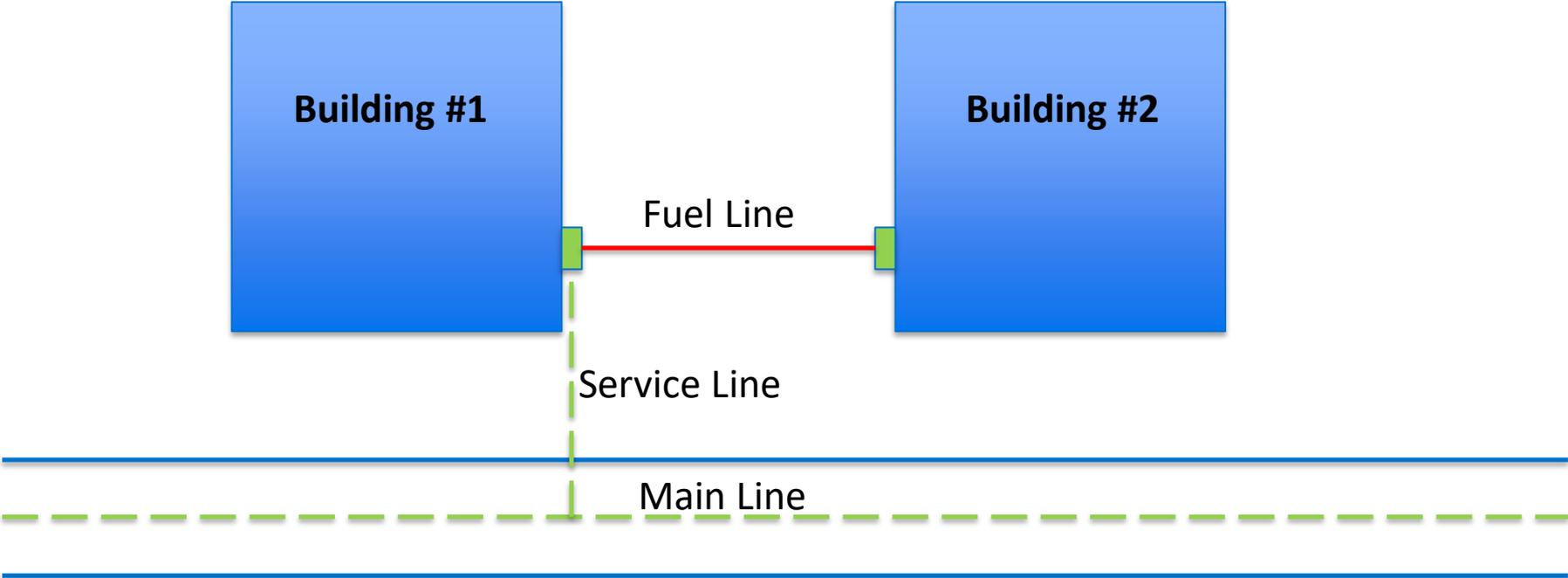
# Master Meters



# Master Meter



# Master Meter Operator



# Master Meter

## MASTER METERING (Section 8.01)

### Mobile Home Parks

The Company will not serve new mobile home park applicants on a master meter. For service to existing master metered mobile home parks, see § 7.06.

### Residential and Commercial Structures

New natural gas service to any residential or commercial structure will not be provided through a master meter unless it is determined by the Company that a master meter is the only feasible method of providing such service.

# Master Meters fuel line replacements

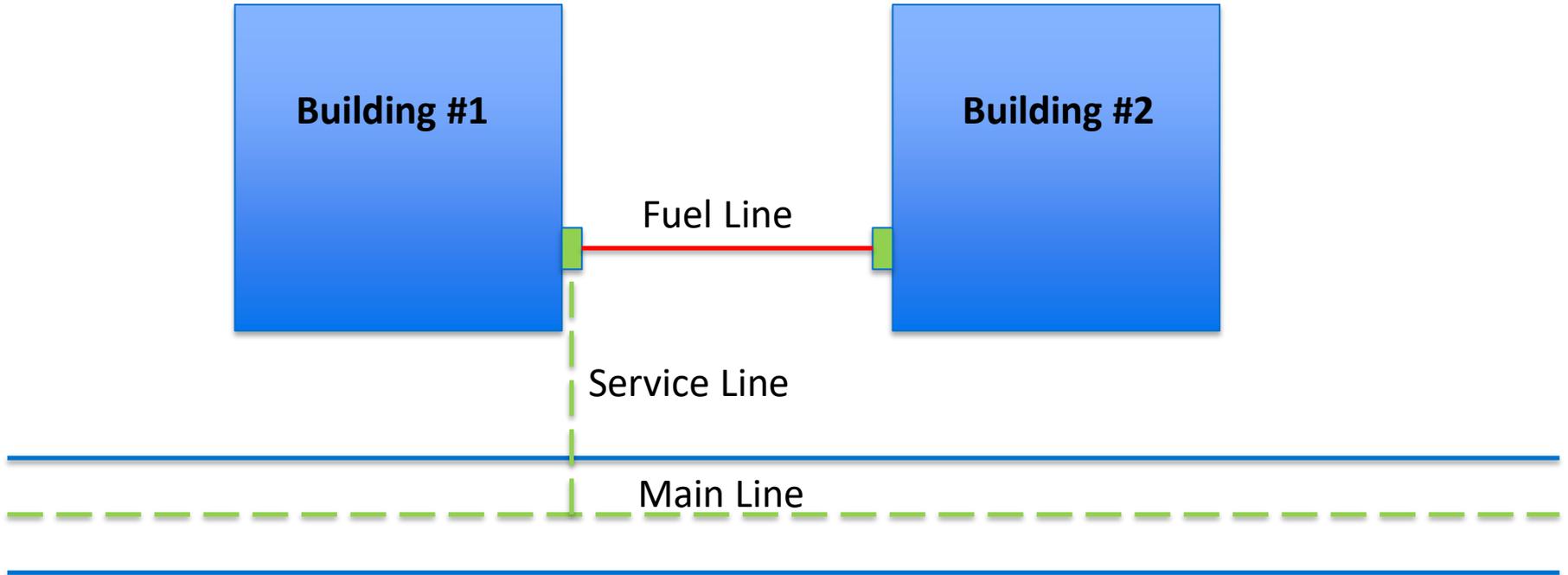
Company met with the 10 candidates specified by the DPU Pipeline Safety department and provided them bids

Bids ranged from \$2,000 to \$88,000

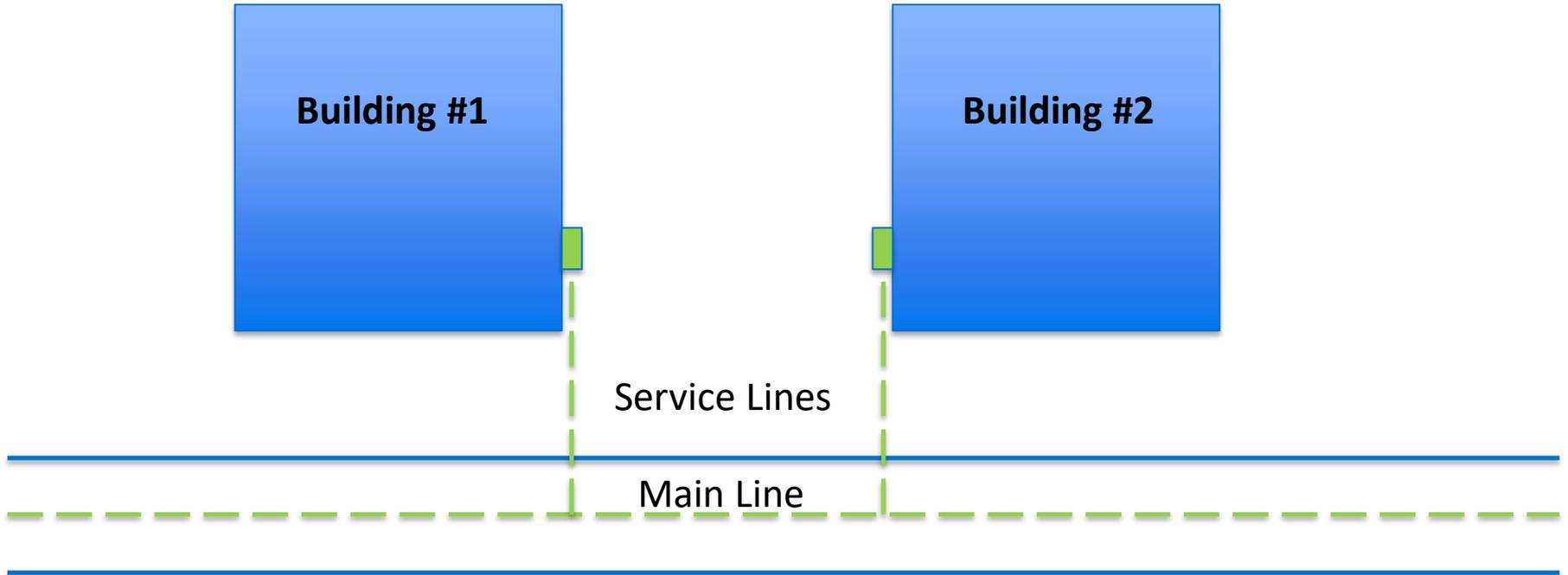
Two of these master meter operators decided to make the conversion and are no longer master meter operators.

Company is willing to collaborate with the DPU Pipeline Safety department on future candidates for these master meter conversions by meeting with the customer and providing a bid for the conversion

# Customer owned fuel line replacement (Example)



# Customer owned fuel line replacement (Example)



# Master Meters fuel line replacements

Company met with the 10 candidates specified by the DPU Pipeline Safety department and provided them bids

Bids ranged from \$2,000 to \$88,000

Two of these master meter operators decided to make the conversion and are no longer master meter operators.

Company is willing to collaborate with the DPU Pipeline Safety department on future candidates for these master meter conversions by meeting with the customer and providing a bid for the conversion

# Questions?