

REDACTED

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty

DG 20-105
Distribution Service Rate Case

Staff Data Requests - Set 4

Date Request Received: 12/18/20
Request No. Staff 4-3Date of Response: 1/5/21
Respondent: Francisco C. DaFonte
William R. Killeen
Steven E. Mullen

REQUEST:

When did Liberty first discuss with TGP contracting for a portion of the Calpine capacity that was due to expire? Please provide all written correspondence, including emails, between Liberty and TGP related to contracting for the expiring capacity.

RESPONSE:

As discussed in the Company's response to Staff 4-2, in October 2019 TGP provided Liberty with updated indicative rates for capacity on the Concord Lateral that were significantly lower than the prior estimates. Once the Company received these significantly lower indicative rates from TGP, it immediately began further capacity discussions with TGP.

Please see Confidential Attachment Staff 4-3.

Confidential Attachment Staff 4-3 contains estimated rates for capacity on the Concord Lateral, which information is protected from disclosure by RSA 91-A:5, IV, as "confidential, commercial, or financial information" of a third party. TGP provided this information to Liberty under the terms of a non-disclosure agreement which requires the Company to maintain its confidentiality. The Commission granted confidential treatment of similar information (TGP pricing to upgrade the Concord Lateral) in Order No. 26,166 (Aug. 1, 2018). Therefore, pursuant to that statute and Puc 203.08(d), the Company has a good faith basis to seek confidential treatment of this information and will submit a motion seeking confidential treatment prior to the final hearing in this docket.

Chico DaFonte

From: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>
Sent: Monday, October 14, 2019 11:02 AM
To: Chico DaFonte
Subject: RE: Granite Bridge Project

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Good morning Chico. Picked-up your vm late on Friday. We are looking at alternatives on the lateral which may adjust the cost estimates previously provided. I don't think we are going to be able to provide you an update until later this week at best. If you are meeting with the Commission today or tomorrow hopefully you can get a little more time to respond.

From: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Sent: Wednesday, October 9, 2019 8:36 AM
To: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>
Subject: RE: Granite Bridge Project

[This email message was received from the Internet and came from outside of Kinder Morgan]

Hi Coralie,

I wanted to check in with you regarding an update to the cost estimates for various expansion options. I also wanted to ask you to address the feasibility of any expansions given the current congestion around the existing pipeline. For example, in looking at the Hudson Lateral and the potential replacement or looping of the 3.6 miles, it appears that there is significant congestion around the pipeline from homes and businesses (see attached PDF). I'm not certain that the pipe alignment is 100% accurate but I believe it is reasonably accurate. If so, how would TGP propose to expand or replace the existing lateral? As you know, we have a tight timeframe to secure incremental capacity and do not want to find out a year or two from now that a proposed expansion cannot be completed for various reasons including significant public opposition. I'm sure Kinder Morgan doesn't want that either. Let me know your thoughts.

Regards,

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com

From: Sculley, Coralie Carter [mailto:Coralie_Sculley@kindermorgan.com]
Sent: Monday, September 23, 2019 5:04 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Subject: RE: Granite Bridge Project

Will do.

From: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Sent: Monday, September 23, 2019 3:57 PM
To: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>
Subject: RE: Granite Bridge Project

[This email message was received from the Internet and came from outside of Kinder Morgan]

Coralie,

Please call my cell number below.

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

VAT#123456

-----Original Appointment-----

From: Sculley, Coralie Carter [mailto:Coralie_Sculley@kindermorgan.com]

Sent: Monday, September 23, 2019 4:49 PM

To: Stokdyk, Michael A (Mike); Chico DaFonte

Subject: Granite Bridge Project

When: Tuesday, September 24, 2019 4:00 PM-4:30 PM (UTC-06:00) Central Time (US & Canada).

Where: CCS Office

Chico, I'll call you. What number should I use? If you have others attending and need a call-in # just let me know.

Chico DaFonte

From: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>
Sent: Thursday, October 24, 2019 5:00 PM
To: Chico DaFonte
Subject: RE: Update
Attachments: image001.jpg; image002.jpg

Chico, Thank you for your patience. I have a meeting scheduled with Management to review the refreshed estimates Mike put together. It was the first opportunity I could get everyone together. We should be able to forward it to you early next week and also be available to discuss.

From: Chico DaFonte [Chico.DaFonte@libertyutilities.com]
Sent: Thursday, October 24, 2019 1:34 PM
To: Sculley, Coralie Carter
Subject: RE: Update

[This email message was received from the Internet and came from outside of Kinder Morgan]

Hi Coralie,

Just checking to see if you might have an update on the estimates.

Regards,

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com<mailto:Chico.DaFonte@libertyutilities.com>
VAT#123456
From: Sculley, Coralie Carter [mailto:Coralie_Sculley@kindermorgan.com]
Sent: Monday, October 21, 2019 5:44 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Subject: Update

Chico, I have a meeting in the morning to review the estimates; after which I'll transmit to you. Just wanted you to know we are almost there.

Regards,
[Full Signature Black]
Coralie Carter Sculley
Director, Marketing
1001 Louisiana Street
Houston, Texas 77002
713-420-6336 (O)
713-818-0411 (M)
Coralie_sculley@kindermorgan.com<mailto:Coralie_sculley@kindermorgan.com>
[Description: kmlogo_tgpl_4]

Chico DaFonte

From: Chico DaFonte
Sent: Wednesday, October 30, 2019 5:51 PM
To: 'Sculley, Coralie Carter'
Cc: 'Stringer, Alison G'; 'Troutman, H Preston (Preston)'; 'Ochoa, Ernesto A'
Subject: RE: CONFIDENTIAL: Response to Liberty Request for Updated Incremental Service Estimates

Coralie,

Thank you for getting the updated estimates to us. There are significant changes here so it would be great if we could get a WebEx in place to discuss the details behind the revised rates and what the cost and timing of the due diligence and engineering study looks like. Please let me know your soonest availability to discuss.

Regards,

From: Sculley, Coralie Carter [mailto:Coralie_Sculley@kindermorgan.com]
Sent: Wednesday, October 30, 2019 4:10 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Stringer, Alison G <Alison_Stringer@kindermorgan.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>; Ochoa, Ernesto A <Ernesto_Ochoa@kindermorgan.com>
Subject: CONFIDENTIAL: Response to Liberty Request for Updated Incremental Service Estimates

CONFIDENTIAL: Subject to Confidentiality Agreement dated October 18, 2018, between Tennessee Gas Pipeline, L.L.C. and Liberty Utilities

Chico,

Per your request, TGP has refreshed various scenarios previously provided to Liberty Utilities for incremental service to its' city gates. TGP's initial estimates were developed in 2016 during group negotiations with other New England LDC's seeking additional transportation capacity on TGP available as early as 2018 without facilities and 2019 where facilities were required for service. You will note that the updated estimates attached show a significant reduction in facilities costs. This is a result of anticipated changes in contracted capacity in our system model based on an in-service date which you indicated is now estimated in the 4th quarter of 2021, or later.

This is a preliminary analysis and would require operations and interconnect personnel to perform more due diligence and a complete engineering study for confirmation. In addition, this analysis is based on historic flow, contractual information and current pipeline operations which is not a guarantee of future conditions.

We are available to review and discuss these estimates if you have further questions.

Regards,



Coralie Carter Sculley
Director, Marketing TGP North
1001 Louisiana Street
Houston, Texas 77002

713-420-6336 (O)

713-818-0411 (M)

Coralie_sculley@kindermorgan.com



Liberty/Energy North Expansion - External

10/17/2019

PRIVILEGED & CONFIDENTIAL - For discussion purposes only. Capital and rates are indicative and subject to additional refinement.

Subject to Confidentiality Agreement dated October 18, 2018, between Tennessee Gas Pipeline, L.L.C. and Liberty

Case 1 - 25 MM to Nashua - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|------------------|-------------|---|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25,000 | } | | | |
| | 25,000 | | | | |

Case 2 - 50 MM - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|----------------------|-------------|---|---------------------|------------------------|-----------------|
| Dracut to Laconia | 10,220 | } | | | |
| Dracut to Suncook | 1,768 | | | | |
| Dracut to Manchester | 8,696 | | | | |
| Dracut to Nashua | 29,317 | | | | |
| | 50,001 | | | | |

Case 3 - 75 MM Distributed by Historical Flow - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---|---------------------|------------------------|-----------------|
| Dracut to Laconia | 16,265 | } | | | |
| Dracut to Suncook | 1,237 | | | | |
| Dracut to Hooksett | 1,172 | | | | |
| Dracut to Manchester | 20,732 | | | | |
| Dracut to Londonderry | 5,997 | | | | |
| Dracut to Nashua | 29,597 | | | | |
| | 75,000 | | | | |

Case 4 - 75 MM Distributed for Uniform Excess Contracted - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---|---------------------|------------------------|-----------------|
| Dracut to Laconia** | -5,756 | } | | | |
| Dracut to Suncook | 2,431 | | | | |
| Dracut to Hooksett** | -121 | | | | |
| Dracut to Manchester | 19,817 | | | | |
| Dracut to Londonderry | 13,437 | | | | |
| Dracut to Nashua | 45,192 | | | | |
| | 75,000 | | | | |

Case 5 - 75 MM Distributed for Uniform Excess Contracted but no Reductions - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---|---------------------|------------------------|-----------------|
| Dracut to Laconia | 0 | } | | | |
| Dracut to Suncook | 2,254 | | | | |
| Dracut to Hooksett | 0 | | | | |
| Dracut to Manchester | 18,377 | | | | |
| Dracut to Londonderry | 12,461 | | | | |
| Dracut to Nashua | 41,908 | | | | |
| | 75,000 | | | | |

Notes:

Chico DaFonte

From: Chico DaFonte
Sent: Friday, November 8, 2019 11:10 AM
To: 'Sculley, Coralie Carter'
Subject: RE: Follow-up

Hi Coralie,

I wanted to check back to make sure you received my email below and whether you could possibly provide an estimate on when you might be able to provide the answers to my requested scenarios? Let me know if you wish to discuss further.

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com

From: Chico DaFonte
Sent: Tuesday, November 5, 2019 4:18 PM
To: 'Sculley, Coralie Carter' <Coralie_Sculley@kindermorgan.com>
Subject: RE: Follow-up

Hi Coralie,

Thank you again for taking the time to explain the changed circumstances on available capacity on Concord Lateral. As a follow up we would like to ask Tennessee to determine for us the maximum incremental capacity that could be delivered from Dracut to Nashua without requiring an upgrade to the Nashua/Hudson lateral. Based on that volume, could you then tell us how much incremental capacity could be delivered to Manchester without a system expansion? And finally, based on the sum of the previous requested volumes, how much incremental capacity could then be delivered to Londonderry without a system expansion? Could you please run these scenarios assuming incremental capacity cases of 50,000 Dth and 75,000 Dth? Please let me know if you have any questions.

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com

From: Sculley, Coralie Carter [mailto:Coralie_Sculley@kindermorgan.com]
Sent: Friday, November 1, 2019 12:18 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Subject: RE: Follow-up

Chico, I set it up and sent it to all the internal people, but failed to put you on the invitation! :-/

From: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Sent: Friday, November 1, 2019 11:11 AM
To: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>
Subject: RE: Follow-up

[This email message was received from the Internet and came from outside of Kinder Morgan]

Hi Coralie,

Wanted to check back in and see if we can schedule a call for Monday as suggested. Please let me know so I can round up the appropriate people on my end.

Regards,

Chico DaFonte | **Liberty Utilities** (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com
15 Buttrick Road, Londonderry, NH 03053

From: Chico DaFonte
Sent: Thursday, October 31, 2019 2:21 PM
To: 'Sculley, Coralie Carter' <Coralie_Sculley@kindermorgan.com>
Subject: RE: Follow-up

Coralie,

Thank you for the quick response and apologies for not getting back to you sooner. Today or Monday both work. Let me know what works best for you.

Regards,

From: Sculley, Coralie Carter [mailto:Coralie_Sculley@kindermorgan.com]
Sent: Thursday, October 31, 2019 1:07 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Subject: Follow-up

Chico, I've been in meetings but saw your email and picked-up your vm. Happy to set up a call. Looking at schedules it will be difficult to get the right people together this week. It may work for 3:30pC/4:30pE today. If not then, it looks like the next opportunities would be 11:30aC/12:30pE or 12:30pC/1:30pE on Monday the 4th. Do any of those work for you?

Regards,



Coralie Carter Sculley
Director, Marketing TGP North
1001 Louisiana Street
Houston, Texas 77002
713-420-6336 (O)
713-818-0411 (M)
Coralie_sculley@kindermorgan.com



Chico DaFonte

From: Chico DaFonte
Sent: Thursday, December 5, 2019 6:14 PM
To: Stringer, Alison G
Cc: Sculley, Coralie Carter; Stokdyk, Michael A (Mike); Ochoa, Ernesto A; Troutman, H Preston (Preston)
Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

Thank you Alison. As with the last call, I will have Jim Stephens with me and will also have our director of Energy procurement, Bill Killeen, on the call.

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [mailto:Alison_Stringer@kindermorgan.com]
Sent: Thursday, December 5, 2019 5:51 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Ochoa, Ernesto A <Ernesto_Ochoa@kindermorgan.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>
Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

3 CST on Dec 12 should work Chico. I'll send out a meeting notice with con call information. We'll take a look at your questions below and be prepared to discuss.

From: Chico DaFonte [mailto:Chico.DaFonte@libertyutilities.com]
Sent: Thursday, December 5, 2019 11:15 AM
To: Stringer, Alison G
Cc: Sculley, Coralie Carter; Stokdyk, Michael A (Mike); Ochoa, Ernesto A; Troutman, H Preston (Preston)
Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

[This email message was received from the Internet and came from outside of Kinder Morgan]

Hi Alison,

We would like to have the call at 3 CST on Dec 12 if that still works for you. Some of the items we would like to discuss include the following:

1. Explain what is meant by implied rate and indicative rate.
2. What is TGP's design pressure for Nashua in its model?
3. Setting the Nashua delivery pressure back to TGP's default design setting, what would the indicative rate be for deliveries of 45,000 Dth to Manchester, 25,000 Dth to Londonderry and no incremental volumes to Nashua?
4. Same as above but 25,000 Dth to Manchester and 45,000 Dth to Londonderry?
5. What would be the timing to complete the necessary engineering study's?

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [mailto:Alison_Stringer@kindermorgan.com]

Sent: Wednesday, December 4, 2019 11:27 AM

To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>

Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Ochoa, Ernesto A <Ernesto_Ochoa@kindermorgan.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>

Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

Hi Chico,

Thanks for reaching out. With travel schedules this week and next, it looks like next Thursday, December 12 would be best for at least some of our group. We have availability at 8:30 CST, 10 CST, or 3 CST or after. Let me know what works on your side.

Thanks!
Alison

From: Chico DaFonte [<mailto:Chico.DaFonte@libertyutilities.com>]

Sent: Tuesday, December 3, 2019 2:29 PM

To: Stringer, Alison G

Cc: Sculley, Coralie Carter; Stokdyk, Michael A (Mike); Ochoa, Ernesto A; Troutman, H Preston (Preston)

Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

[This email message was received from the Internet and came from outside of Kinder Morgan]

Hi Alison,

Could you provide me with your availability for a conference call to discuss the most recent cases? Many thanks!

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com
15 Buttrick Road, Londonderry, NH 03053

From: Chico DaFonte

Sent: Monday, December 2, 2019 9:20 PM

To: Stringer, Alison G <Alison_Stringer@kindermorgan.com>

Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike)

<Mike_Stokdyk@kindermorgan.com>; Ochoa, Ernesto A <Ernesto_Ochoa@kindermorgan.com>; Troutman, H Preston

(Preston) <Preston_Troutman@kindermorgan.com>

Subject: Re: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

Thank you Alison! We will review and let you know if we have any follow up questions.

Regards,

On Dec 2, 2019, at 5:39 PM, Stringer, Alison G <Alison_Stringer@kindermorgan.com> wrote:

CONFIDENTIAL: Subject to Confidentiality Agreement dated October 18, 2018, between Tennessee Gas Pipeline, L.L.C. and Liberty Utilities

Chico,

Per your 11/5/19 email request and follow up responses on 11/11/19, TGP is providing the attached summary which includes additional scenarios and estimates for incremental service to Liberty Utilities' city gates. Please note that Case 6 with the 25 MM assumed to Nashua, minimal facilities are required because of the assumed lower delivery pressure of 300 psig (contrasted with Case 1 in the previous analysis).

These are preliminary analyses and would require operations and interconnect personnel to perform more due diligence and a complete engineering study for confirmation. In addition, this analysis is based on historic flow, contractual information and current pipeline operations which is not a guarantee of future conditions.

We are available to review and discuss these estimates if you have further questions.

Thanks!

Alison G. Stringer

TGP Business Development, Director

713-420-5176 (work)

281-814-7361 (cell)

<image003.jpg>

<Energy North Scenarios 11-12-19 EXTERNAL.PDF>

Liberty/Energy North Expansion

11/12/2019

CONFIDENTIAL - For discussion purposes only. Capital and rates are indicative and subject to additional refinement.
Subject to Confidentiality Agreement dated October 18, 2018, between Tennessee Gas Pipeline, L.L.C. and Liberty

Case 6- Maximize to Nashua - Dracut Receipt - Min Pressure 300#

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Implied Rate |
|-----------------------|---------------|--|---------------------|------------------------|--------------|
| Dracut to Nashua | <u>25,000</u> | | | | |
| | 25,000 | | | | |
| Total Indicative Rate | | | | | |

Case 7 - 25 MM Nashua + 25 MM Manchester - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Implied Rate |
|-----------------------|---------------|--|---------------------|------------------------|--------------|
| Dracut to Nashua | 25,000 | | | | |
| Dracut to Manchester | <u>25,000</u> | | | | |
| | 50,000 | | | | |
| Total Indicative Rate | | | | | |

Case 8 - 25 MM Nashua + Max Manchester - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Implied Rate |
|-----------------------|---------------|--|---------------------|------------------------|--------------|
| Dracut to Nashua | 25,000 | | | | |
| Dracut to Manchester | <u>45,000</u> | | | | |
| | 70,000 | | | | |
| Total Indicative Rate | | | | | |

Case 9 - 25 MM Nashua + Max Londonderry - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Implied Rate |
|-----------------------|----------------|--|---------------------|------------------------|--------------|
| Dracut to Nashua | 25,000 | | | | |
| Dracut to Londonderry | <u>123,000</u> | | | | |
| | 148,000 | | | | |
| Total Indicative Rate | | | | | |

Notes:

Chico DaFonte

From: Stringer, Alison G <Alison_Stringer@kindermorgan.com>
Sent: Thursday, January 16, 2020 10:11 AM
To: Chico DaFonte
Cc: Sculley, Coralie Carter; Stokdyk, Michael A (Mike); Troutman, H Preston (Preston); Ochoa, Ernesto A
Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates
Attachments: Energy North Scenarios 1-15-20 AGS EXTERNAL.PDF
Importance: High
Follow Up Flag: Follow up
Flag Status: Flagged

Morning Chico,

Attached is an update of the cases to include the additional two cases you requested in your email of January 8. Please forward to those on your team that will be on the call. We will talk to you guys at 9:30.

Thanks!
Alison

From: Chico DaFonte [mailto:Chico.DaFonte@libertyutilities.com]
Sent: Wednesday, January 8, 2020 2:19 PM
To: Stringer, Alison G
Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

[This email message was received from the Internet and came from outside of Kinder Morgan]

Hi Alison,

My apologies. I forgot to include Bill Killeen who you know manages the Energy Procurement group for Liberty.

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com

From: Chico DaFonte
Sent: Wednesday, January 8, 2020 3:00 PM
To: 'Stringer, Alison G' <Alison_Stringer@kindermorgan.com>
Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

Hi Alison,

Thank you and Happy New Year to you as well.

On our end it will be Jim Stephens from ScottMadden, he was on the last call, and Andy Bernier from Liberty who is our Manager of Gas Engineering. Andy will just be listening in for the most part to understand how the delivery point sand volumes impact the distribution system design.

As to what we would like to discuss, here are some items for discussion:

1. Explain what is meant by implied rate and indicative rate.
2. What is TGP's design pressure for Nashua in its model?
3. If you set the Nashua delivery pressure back to TGP's default design setting, what would the indicative rate be for deliveries of 45,000 Dth to Manchester, 25,000 Dth to Londonderry and no incremental volumes to Nashua?
4. Same as above but 25,000 Dth to Manchester and 45,000 Dth to Londonderry?
5. What would be the timing to complete the necessary engineering study's?
6. Could Liberty pay for any facilities required through a Contribution in Aid of Construction?

If you can to provide responses to the above in advance of the call that would be appreciated.

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [<mailto:Alison.Stringer@kindermorgan.com>]

Sent: Wednesday, January 8, 2020 1:51 PM

To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>

Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

Hi Chico,

Happy New Year! I hope you enjoyed your holidays. While I think about it, can you provide a quick summary for me of the participants from your side for the call next week along with their company and titles? I'll do the same on our side as well, but think you know everyone already.

Also remind me of any specific questions/concerns you have as it relates to the latest scenarios we provided. I'll pull together an agenda if appropriate.

Thanks!
Alison

From: Chico DaFonte [<mailto:Chico.DaFonte@libertyutilities.com>]

Sent: Thursday, December 19, 2019 3:11 PM

To: Stringer, Alison G

Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

[This email message was received from the Internet and came from outside of Kinder Morgan]

Alison,

I have touched base with our folks and the best time would be Thursday 9:30-10:30 CST. Let me know if that works.

Enjoy your time off and we will talk in 2020.

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [mailto:Alison_Stringer@kindermorgan.com]
Sent: Thursday, December 19, 2019 12:01 AM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

Thanks for reaching out Chico. Apologies, but there are several of us already out of the office this week. I would propose that we push to the week of January 13 when everyone on our side will be back in the office. Looks like Wednesday (1-2 CST, 3-4 CST) or Thursday (9:30-10:30 CST or 1-2 CST) that week would be good days. Let me know what would work on your side.

Wishing you and your family a very Merry Christmas and Happy New Year as well! Be safe and enjoy your time off.

From: Chico DaFonte [<mailto:Chico.DaFonte@libertyutilities.com>]
Sent: Tuesday, December 17, 2019 10:10 AM
To: Stringer, Alison G
Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

[This email message was received from the Internet and came from outside of Kinder Morgan]

Hi Alison!

Any opportunity to have our call this week? I know you said it would be difficult to try and get everyone together but wanted to see if it would be possible. I am away next week and won't be returning to the office until January 6. Please let me know your thoughts on potential conference call dates.

I we don't speak before the holidays I wish you and your family a wonderful Christmas and all the best in the New year!

Rgerads,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [mailto:Alison_Stringer@kindermorgan.com]
Sent: Thursday, December 5, 2019 5:51 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Ochoa, Ernesto A <Ernesto_Ochoa@kindermorgan.com>; Troutman, H Preston

(Preston) <Preston_Troutman@kindermorgan.com>

Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

3 CST on Dec 12 should work Chico. I'll send out a meeting notice with con call information. We'll take a look at your questions below and be prepared to discuss.

From: Chico DaFonte [<mailto:Chico.DaFonte@libertyutilities.com>]

Sent: Thursday, December 5, 2019 11:15 AM

To: Stringer, Alison G

Cc: Sculley, Coralie Carter; Stokdyk, Michael A (Mike); Ochoa, Ernesto A; Troutman, H Preston (Preston)

Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

[This email message was received from the Internet and came from outside of Kinder Morgan]

Hi Alison,

We would like to have the call at 3 CST on Dec 12 if that still works for you. Some of the items we would like to discuss include the following:

1. Explain what is meant by implied rate and indicative rate.
2. What is TGP's design pressure for Nashua in its model?
3. Setting the Nashua delivery pressure back to TGP's default design setting, what would the indicative rate be for deliveries of 45,000 Dth to Manchester, 25,000 Dth to Londonderry and no incremental volumes to Nashua?
4. Same as above but 25,000 Dth to Manchester and 45,000 Dth to Londonderry?
5. What would be the timing to complete the necessary engineering study's?

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [mailto:Alison_Stringer@kindermorgan.com]

Sent: Wednesday, December 4, 2019 11:27 AM

To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>

Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike)

<Mike_Stokdyk@kindermorgan.com>; Ochoa, Ernesto A <Ernesto_Ochoa@kindermorgan.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>

Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

Hi Chico,

Thanks for reaching out. With travel schedules this week and next, it looks like next Thursday, December 12 would be best for at least some of our group. We have availability at 8:30 CST, 10 CST, or 3 CST or after. Let me know what works on your side.

Thanks!
Alison

From: Chico DaFonte [<mailto:Chico.DaFonte@libertyutilities.com>]
Sent: Tuesday, December 3, 2019 2:29 PM
To: Stringer, Alison G
Cc: Sculley, Coralie Carter; Stokdyk, Michael A (Mike); Ochoa, Ernesto A; Troutman, H Preston (Preston)
Subject: RE: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

[This email message was received from the Internet and came from outside of Kinder Morgan]

Hi Alison,

Could you provide me with your availability for a conference call to discuss the most recent cases? Many thanks!

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com
15 Buttrick Road, Londonderry, NH 03053

From: Chico DaFonte
Sent: Monday, December 2, 2019 9:20 PM
To: Stringer, Alison G <Alison_Stringer@kindermorgan.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Ochoa, Ernesto A <Ernesto_Ochoa@kindermorgan.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>
Subject: Re: CONFIDENTIAL Response to Liberty Request for Additional Incremental Service Cases/Estimates

Thank you Alison! We will review and let you know if we have any follow up questions.

Regards,

On Dec 2, 2019, at 5:39 PM, Stringer, Alison G <Alison_Stringer@kindermorgan.com> wrote:

CONFIDENTIAL: Subject to Confidentiality Agreement dated October 18, 2018, between Tennessee Gas Pipeline, L.L.C. and Liberty Utilities

Chico,

Per your 11/5/19 email request and follow up responses on 11/11/19, TGP is providing the attached summary which includes additional scenarios and estimates for incremental service to Liberty Utilities' city gates. Please note that Case 6 with the 25 MM assumed to Nashua, minimal facilities are required because of the assumed lower delivery pressure of 300 psig (contrasted with Case 1 in the previous analysis).

These are preliminary analyses and would require operations and interconnect personnel to perform more due diligence and a complete engineering study for confirmation. In addition, this analysis is based on historic flow, contractual information and current pipeline operations which is not a guarantee of future conditions.

We are available to review and discuss these estimates if you have further questions.

Thanks!

Alison G. Stringer

TGP Business Development, Director

713-420-5176 (work)

281-814-7361 (cell)

<image003.jpg>

<Energy North Scenarios 11-12-19 EXTERNAL.PDF>

Liberty/Energy North Expansion

1/15/2020

CONFIDENTIAL - For discussion purposes only. Capital and rates are indicative and subject to additional refinement.
Subject to Confidentiality Agreement dated October 18, 2018, between Tennessee Gas Pipeline, L.L.C. and Liberty

Case 6 - Maximize to Nashua - Dracut Receipt - Min Pressure 300#

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|---------------|--|---------------------|------------------------|-----------------|
| Dracut to Nashua | <u>25,000</u> | | | | |
| | 25,000 | | | | |
| Total Indicative Rate | | | | | |

Case 7 - 25 MM Nashua + 25 MM Manchester - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|---------------|--|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25,000 | | | | |
| Dracut to Manchester | <u>25,000</u> | | | | |
| | 50,000 | | | | |
| Total Indicative Rate | | | | | |

Case 8 - 25 MM Nashua + Max Manchester - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|---------------|--|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25,000 | | | | |
| Dracut to Manchester | <u>45,000</u> | | | | |
| | 70,000 | | | | |
| Total Indicative Rate | | | | | |

Case 9 - 25 MM Nashua + Max Londonderry - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|----------------|--|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25,000 | | | | |
| Dracut to Londonderry | <u>123,000</u> | | | | |
| | 148,000 | | | | |
| Total Indicative Rate | | | | | |

Case 10 - 25 MM Londonderry + 45 MM Manchester - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|---------------|--|---------------------|------------------------|-----------------|
| Dracut to Londonderry | 25,000 | | | | |
| Dracut to Manchester | <u>45,000</u> | | | | |
| | 70,000 | | | | |
| Total Indicative Rate | | | | | |

Case 11 - 45 MM Londonderry + 25 MM Manchester - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|---------------|--|---------------------|------------------------|-----------------|
| Dracut to Londonderry | 45,000 | | | | |
| Dracut to Manchester | <u>25,000</u> | | | | |
| | 70,000 | | | | |
| Total Indicative Rate | | | | | |

Notes:

Chico DaFonte

From: Chico DaFonte
Sent: Tuesday, January 28, 2020 10:48 AM
To: Stringer, Alison G
Cc: Stokdyk, Michael A (Mike); Troutman, H Preston (Preston); Sculley, Coralie Carter; Ochoa, Ernesto A
Subject: RE: Deliveries to Londonderry/Granite Ridge

Hi Alison,

Thank you for getting back to us. We are available at 1:00 CSTI. Let me know if that still works for you.

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [mailto:Alison_Stringer@kindermorgan.com]
Sent: Monday, January 27, 2020 7:36 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>; Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Ochoa, Ernesto A <Ernesto_Ochoa@kindermorgan.com>
Subject: RE: Deliveries to Londonderry/Granite Ridge

Chico,

Our group can be available this Thursday anytime between 1-4 pm CST for a follow-up call. Let us know what will work for you guys.

Thanks!
Alison

From: Chico DaFonte [<mailto:Chico.DaFonte@libertyutilities.com>]
Sent: Friday, January 24, 2020 12:43 PM
To: Stringer, Alison G
Cc: Stokdyk, Michael A (Mike); Troutman, H Preston (Preston); Sculley, Coralie Carter; Ochoa, Ernesto A
Subject: RE: Deliveries to Londonderry/Granite Ridge

[This email message was received from the Internet and came from outside of Kinder Morgan]

Thank you Alison! Let me know when you would like to schedule a follow up to discuss CIAC, further engineering, etc. Our engineering group is particularly interested in walking through the logistics at the Candia Rd gate station as well as the Londonderry gate station, including a possible deduct meter. If these last issues can be addressed more expeditiously that would be great.

Have a great weekend!

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [<mailto:Alison.Stringer@kindermorgan.com>]
Sent: Friday, January 24, 2020 1:14 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Stokdyk, Michael A (Mike) <Mike.Stokdyk@kindermorgan.com>; Troutman, H Preston (Preston) <Preston.Troutman@kindermorgan.com>; Sculley, Coralie Carter <Coralie.Sculley@kindermorgan.com>; Ochoa, Ernesto A <Ernesto.Ochoa@kindermorgan.com>
Subject: RE: Deliveries to Londonderry/Granite Ridge

Chico,

Thanks for reaching out. Attached are the updated cases inclusive of Case 12. Rate came in as expected, still around the [REDACTED] Will be in touch soon regarding next steps.

Thanks!
Alison

From: Chico DaFonte [<mailto:Chico.DaFonte@libertyutilities.com>]
Sent: Friday, January 24, 2020 8:49 AM
To: Stringer, Alison G
Subject: RE: Deliveries to Londonderry/Granite Ridge

[This email message was received from the Internet and came from outside of Kinder Morgan]

Hi Alison,

I was just following up on the status of the requested Case 12 with an additional 20,000 Dth to Londonderry. Can you provide an update as to when this case might be completed? Thank you!

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [<mailto:Alison.Stringer@kindermorgan.com>]
Sent: Thursday, January 16, 2020 1:51 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>; Stokdyk, Michael A (Mike) <Mike.Stokdyk@kindermorgan.com>
Subject: RE: Deliveries to Londonderry/Granite Ridge

Chico,

Why wouldn't you just take your volumes at Londonderry? Perhaps I don't understand the advantage of the Granite Ridge option. Also, regarding the OBA issue, this sounds complicated. Are you suggesting you would want to roll an off-system meter into your TGP OBA? Not sure this is a good option. What am I missing? Couldn't you just leave the off-system meter out of your current TGP OBA?

Thanks!
Alison

From: Chico DaFonte [<mailto:Chico.DaFonte@libertyutilities.com>]
Sent: Thursday, January 16, 2020 12:22 PM
To: Stokdyk, Michael A (Mike)
Cc: Stringer, Alison G
Subject: RE: Deliveries to Londonderry/Granite Ridge

[This email message was received from the Internet and came from outside of Kinder Morgan]

Mike,

You are exactly right. We would take the deliveries through the existing Granite Ridge meter. However, because the Granite Ridge meter is not on our current OBA, we would likely have to work through a deduct meter option. Not sure how that would work for OBA purposes but perhaps you can think about how we could accomplish that.

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com
15 Buttrick Road, Londonderry, NH 03053

From: Stokdyk, Michael A (Mike) [mailto:Mike_Stokdyk@kindermorgan.com]
Sent: Thursday, January 16, 2020 1:16 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Stringer, Alison G <Alison_Stringer@kindermorgan.com>
Subject: Deliveries to Londonderry/Granite Ridge

Chico – regarding the additional 20,000 Dth/d to “Londonderry” that you requested – are you actually intending to use the Granite Ridge meter for deliveries to Liberty? As I recall from some of the earlier discussions and scenarios, you said that Liberty owned the line to Granite Ridge, and that Liberty would just take their volumes off that line after TGP delivered the volumes through the Granite Ridge meter. Is that the assumption you would like for us to continue to make? This could impact whether we need to expand the actual Londonderry meter (and thereby the required capital). If you do want the volumes at Granite Ridge, I assume we would write the contracts with that meter as the primary delivery point. I also assume that Liberty would need to work with Granite Ridge to install another meter on the Granite Ridge Line to measure what actually goes to Liberty versus what goes to Granite Ridge.

Thanks.

Chico DaFonte

From: Chico DaFonte
Sent: Wednesday, May 20, 2020 2:55 PM
To: Stringer, Alison G
Cc: Sculley, Coralie Carter; Stokdyk, Michael A (Mike); Pellerin, Tabatha L; Bill Killeen; Troutman, H Preston (Preston)
Subject: RE: TGP Liberty - Latest Scenarios

Thank you Alison!

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [mailto:Alison_Stringer@kindermorgan.com]
Sent: Wednesday, May 20, 2020 1:58 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha_Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

Chico,

Related to the Hudson Lateral looping, yes, there is less looping because of the difference in volume (20k vs 25k).

For your prior question, related to Cases 13 and 14, the cases were already designed on top of the 40k.

Thanks!

Alison

From: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Sent: Tuesday, May 19, 2020 11:07 AM
To: Stringer, Alison G <Alison_Stringer@kindermorgan.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha_Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

[This email message was received from the Internet and came from outside of Kinder Morgan]

Alison,

I had one more question that was brought up internally. In prior cost estimates TGP was going to build a [REDACTED] and the latest estimates show a [REDACTED] Is this because of the volume of 20,000 Dth instead of 25,000 Dth?

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Chico DaFonte
Sent: Tuesday, May 19, 2020 11:26 AM
To: 'Stringer, Alison G' <Alison.Stringer@kindermorgan.com>
Cc: Sculley, Coralie Carter <Coralie.Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike.Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha.Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston.Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

Thank you Alison! This clarifies it for me.

Not sure that it will make much of a difference but if you assume that we have contracted for 40,000 to Londonderry (90,000 remaining of Granite Ridge capacity) would that materially impact the indicative rates for scenarios 13a/b and 14a/b?

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [<mailto:Alison.Stringer@kindermorgan.com>]
Sent: Tuesday, May 19, 2020 10:38 AM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Sculley, Coralie Carter <Coralie.Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike.Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha.Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston.Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

Chico,

Options 13a/b and 14a/b were simply two alternatives for each of the scenarios that looked at potential stopping points for the replacement pipe [REDACTED] Recall that Mike is evaluating these scenarios at a ball park level. It would be up to Project Management/Engineering to really determine the best routing and stopping points for the replacement pipe. Each alternative has a slightly different impact on the hydraulics. We won't really know which scenario we will end up pursuing until Project Management is able to get boots on the ground and look at accessibility, availability of surface sites, environmental impact and so on.

Regarding your follow-up question related to 15a/b and 16a/b, if I understand what you are asking, we've assumed the Granite Ridge capacity of 130K/d is available beginning 11/1/21 on a long-term basis. Mike's hydraulics for these, and really all the more recent scenarios, are based on that assumption.

Thanks!
Alison

From: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Sent: Friday, May 15, 2020 11:34 AM
To: Stringer, Alison G <Alison_Stringer@kindermorgan.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha_Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

[This email message was received from the Internet and came from outside of Kinder Morgan]

Alison,

One additional question. Do these scenarios all assume that the existing capacity to Granite Ridge (less the 40k for us) will continue to be available?

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com
15 Buttrick Road, Londonderry, NH 03053

From: Chico DaFonte
Sent: Thursday, May 14, 2020 4:46 PM
To: 'Stringer, Alison G' <Alison_Stringer@kindermorgan.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha_Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

Thank you Alison! I will talk to Andy and get back to you on what we would want to have Tabitha look at for these scenarios, if any.

Can you tell me what the difference is between scenarios 13a and 13 b as well as 14a and 14b? Do they also assume different design pressures or something else?

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [mailto:Alison_Stringer@kindermorgan.com]
Sent: Thursday, May 14, 2020 4:09 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha_Pellerin@kindermorgan.com>; Bill Killeen

<Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>

Subject: TGP Liberty - Latest Scenarios

Chico,

Attached are the latest scenarios(15a, 15b, 16a, 16b) you requested we take a look at related to deliveries of 20k and 40k to Nashua and Manchester. We included two looks for each – one where Nashua design pressures are at 472# and then another where we maintained pre-expansion design pressures of 657#.

We'd also like to ask for some additional clarity and confirmation around what you need Tabatha (PM) and her team to scope out related to these scenarios. Do you guys want us to define the scopes and capital for these cases as part of the reimbursement agreement? Should Tabatha reach out to discuss with Andrew Bernier?

Let us know if you have questions or would like to discuss further.

Thanks!

Alison G. Stringer

TGP Business Development, Director

713-420-5176 (work)

281-814-7361 (cell)



Liberty/Energy North Expansion

4/28/2020 UPDATED FOR CASES 13 and 14 ONLY

CONFIDENTIAL - For discussion purposes only. Capital and rates are indicative and subject to additional refinement.
Subject to Confidentiality Agreement dated October 18, 2018, between Tennessee Gas Pipeline, L.L.C. and Liberty

Case 6- Maximize to Nashua - Dracut Receipt - Min Pressure 300#

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|--|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25,000 | | | | |
| | 25,000 | | | | |
| Total Indicative Rate | | | | | |

Case 7 - 25 MM Nashua + 25 MM Manchester - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|--|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25,000 | | | | |
| Dracut to Manchester | 25,000 | | | | |
| | 50,000 | | | | |
| Total Indicative Rate | | | | | |

Case 8 - 25 MM Nashua + Max Manchester - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|--|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25,000 | | | | |
| Dracut to Manchester | 45,000 | | | | |
| | 70,000 | | | | |
| Total Indicative Rate | | | | | |

Case 9 - 25 MM Nashua + Max Londonderry - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|--|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25,000 | | | | |
| Dracut to Londonderry | 123,000 | | | | |
| | 148,000 | | | | |
| Total Indicative Rate | | | | | |

Case 10 - 25 MM Londonderry + 45 MM Manchester - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|--|---------------------|------------------------|-----------------|
| Dracut to Londonderry | 25,000 | | | | |
| Dracut to Manchester | 45,000 | | | | |
| | 70,000 | | | | |
| Total Indicative Rate | | | | | |

Case 11 - 45 MM Londonderry + 25 MM Manchester - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|--|---------------------|------------------------|-----------------|
| Dracut to Londonderry | 45,000 | | | | |
| Dracut to Manchester | 25,000 | | | | |
| | 70,000 | | | | |
| Total Indicative Rate | | | | | |

Case 12 - 25 MM Nashua + 25 MM Manchester + 20 MM Londonderry - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|--|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25,000 | | | | |
| Dracut to Londonderry | 20,000 | | | | |
| Dracut to Manchester | 25,000 | | | | |
| | 70,000 | | | | |
| Total Indicative Rate | | | | | |

NEW CASES

Case 13 - 25 MM Manchester + 25 MM Laconia - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|--|---------------------|------------------------|-----------------|
| Dracut to Manchester | 25,000 | | | | |
| Dracut to Laconia | 25,000 | | | | |
| | 50,000 | | | | |
| Total Indicative Rate | | | | | |

Case 14 - 50 MM Laconia - Dracut Receipt

| Path | Project Dth | | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|--|---------------------|------------------------|-----------------|
| Dracut to Laconia | 50,000 | | | | |
| | 50,000 | | | | |
| Total Indicative Rate | | | | | |

Notes:

Chico DaFonte

From: Chico DaFonte
Sent: Wednesday, May 20, 2020 2:55 PM
To: Stringer, Alison G
Cc: Sculley, Coralie Carter; Stokdyk, Michael A (Mike); Pellerin, Tabatha L; Bill Killeen; Troutman, H Preston (Preston)
Subject: RE: TGP Liberty - Latest Scenarios

Thank you Alison!

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | **C:** 508-868-2271 | **E:** Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [mailto:Alison_Stringer@kindermorgan.com]
Sent: Wednesday, May 20, 2020 1:58 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha_Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

Chico,

Related to the [REDACTED] yes, there is less [REDACTED] because of the difference in volume (20k vs 25k).

For your prior question, related to Cases 13 and 14, the cases were already designed on top of the 40k.

Thanks!

Alison

From: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Sent: Tuesday, May 19, 2020 11:07 AM
To: Stringer, Alison G <Alison_Stringer@kindermorgan.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha_Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

[This email message was received from the Internet and came from outside of Kinder Morgan]

Alison,

I had one more question that was brought up internally. In prior cost estimates TGP was going to build a [REDACTED] and the latest estimates show a [REDACTED] Is this because of the volume of 20,000 Dth instead of 25,000 Dth?

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Chico DaFonte
Sent: Tuesday, May 19, 2020 11:26 AM
To: 'Stringer, Alison G' <Alison.Stringer@kindermorgan.com>
Cc: Sculley, Coralie Carter <Coralie.Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike.Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha.Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston.Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

Thank you Alison! This clarifies it for me.

Not sure that it will make much of a difference but if you assume that we have contracted for 40,000 to Londonderry (90,000 remaining of Granite Ridge capacity) would that materially impact the indicative rates for scenarios 13a/b and 14a/b?

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [<mailto:Alison.Stringer@kindermorgan.com>]
Sent: Tuesday, May 19, 2020 10:38 AM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Sculley, Coralie Carter <Coralie.Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike.Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha.Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston.Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

Chico,

Options 13a/b and 14a/b were simply two alternatives for each of the scenarios that looked at potential stopping points for the replacement pipe [REDACTED] Recall that Mike is evaluating these scenarios at a ball park level. It would be up to Project Management/Engineering to really determine the best routing and stopping points for the replacement pipe. Each alternative has a slightly different impact on the hydraulics. We won't really know which scenario we will end up pursuing until Project Management is able to get boots on the ground and look at accessibility, availability of surface sites, environmental impact and so on.

Regarding your follow-up question related to 15a/b and 16a/b, if I understand what you are asking, we've assumed the Granite Ridge capacity of 130K/d is available beginning 11/1/21 on a long-term basis. Mike's hydraulics for these, and really all the more recent scenarios, are based on that assumption.

Thanks!
Alison

From: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Sent: Friday, May 15, 2020 11:34 AM
To: Stringer, Alison G <Alison_Stringer@kindermorgan.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha_Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

[This email message was received from the Internet and came from outside of Kinder Morgan]

Alison,

One additional question. Do these scenarios all assume that the existing capacity to Granite Ridge (less the 40k for us) will continue to be available?

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com
15 Buttrick Road, Londonderry, NH 03053

From: Chico DaFonte
Sent: Thursday, May 14, 2020 4:46 PM
To: 'Stringer, Alison G' <Alison_Stringer@kindermorgan.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha_Pellerin@kindermorgan.com>; Bill Killeen <Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>
Subject: RE: TGP Liberty - Latest Scenarios

Thank you Alison! I will talk to Andy and get back to you on what we would want to have Tabitha look at for these scenarios, if any.

Can you tell me what the difference is between scenarios 13a and 13 b as well as 14a and 14b? Do they also assume different design pressures or something else?

Regards,

F. Chico DaFonte | Liberty Utilities (New Hampshire) | VP Regulated Infrastructure Development - Gas
P: 603-216-3531 | C: 508-868-2271 | E: Chico.DaFonte@libertyutilities.com

From: Stringer, Alison G [mailto:Alison_Stringer@kindermorgan.com]
Sent: Thursday, May 14, 2020 4:09 PM
To: Chico DaFonte <Chico.DaFonte@libertyutilities.com>
Cc: Sculley, Coralie Carter <Coralie_Sculley@kindermorgan.com>; Stokdyk, Michael A (Mike) <Mike_Stokdyk@kindermorgan.com>; Pellerin, Tabatha L <Tabatha_Pellerin@kindermorgan.com>; Bill Killeen

<Bill.Killeen@libertyutilities.com>; Troutman, H Preston (Preston) <Preston_Troutman@kindermorgan.com>

Subject: TGP Liberty - Latest Scenarios

Chico,

Attached are the latest scenarios(15a, 15b, 16a, 16b) you requested we take a look at related to deliveries of 20k and 40k to Nashua and Manchester. We included two looks for each – one where Nashua design pressures are at 472# and then another where we maintained pre-expansion design pressures of 657#.

We'd also like to ask for some additional clarity and confirmation around what you need Tabatha (PM) and her team to scope out related to these scenarios. Do you guys want us to define the scopes and capital for these cases as part of the reimbursement agreement? Should Tabatha reach out to discuss with Andrew Bernier?

Let us know if you have questions or would like to discuss further.

Thanks!

Alison G. Stringer

TGP Business Development, Director

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Liberty/Energy North Expansion

UPDATED 5/12/20

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Subject to Confidentiality Agreement dated October 18, 2018, between Tennessee Gas Pipeline, L.L.C. and Liberty

Case 6 - Maximize to Nashua - Dracut Receipt - Min Pressure 300#

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25 000 | | | |
| | 25 000 | | | |
| Total Indicative Rate | | | | |

Case 7 - 25 MM Nashua + 25 MM Manchester - Dracut Receipt

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25 000 | | | |
| Dracut to Manchester | 25 000 | | | |
| | 50 000 | | | |
| Total Indicative Rate | | | | |

Case 8 - 25 MM Nashua + Max Manchester - Dracut Receipt

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25 000 | | | |
| Dracut to Manchester | 45 000 | | | |
| | 70 000 | | | |
| Total Indicative Rate | | | | |

Case 9 - 25 MM Nashua + Max Londonderry - Dracut Receipt

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25 000 | | | |
| Dracut to Londonderry | 123 000 | | | |
| | 148 000 | | | |
| Total Indicative Rate | | | | |

Case 10 - 25 MM Londonderry + 45 MM Manchester - Dracut Receipt

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Londonderry | 25 000 | | | |
| Dracut to Manchester | 45 000 | | | |
| | 70 000 | | | |
| Total Indicative Rate | | | | |

Case 11 - 45 MM Londonderry + 25 MM Manchester - Dracut Receipt

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Londonderry | 45 000 | | | |
| Dracut to Manchester | 25 000 | | | |
| | 70 000 | | | |
| Total Indicative Rate | | | | |

Case 12 - 25 MM Nashua + 25 MM Manchester + 20 MM Londonderry - Dracut Receipt

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Nashua | 25 000 | | | |
| Dracut to Londonderry | 20 000 | | | |
| Dracut to Manchester | 25 000 | | | |
| | 70 000 | | | |
| Total Indicative Rate | | | | |

Case 13a - 25 MM Manchester + 25 MM Laconia - Dracut Receipt

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Manchester | 25 000 | | | |
| Dracut to Laconia | 25 000 | | | |
| | 50 000 | | | |
| Total Indicative Rate | | | | |

Case 13b - 25 MM Manchester + 25 MM Laconia - Dracut Receipt

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Manchester | 25 000 | | | |
| Dracut to Laconia | 25 000 | | | |
| | 50 000 | | | |
| Total Indicative Rate | | | | |

Case 14a - 50 MM Laconia - Dracut Receipt

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Laconia | 50 000 | | | |
| | 50 000 | | | |
| Total Indicative Rate | | | | |

Case 14b - 50 MM Laconia - Dracut Receipt

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Laconia | 50 000 | | | |
| | 50 000 | | | |
| Total Indicative Rate | | | | |

Case 15a - 20 MM to Nashua - Dracut Receipt - Allow design pressure of 472#

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Nashua | 20 000 | | | |
| | 20 000 | | | |
| Total Indicative Rate | | | | |

Case 15b - 20 MM to Nashua - Dracut Receipt - Maintain design pressure of 657#

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Nashua | 20 000 | | | |
| | 20 000 | | | |
| Total Indicative Rate | | | | |

Case 16a - 20 MM to Nashua + 20 MM to Manchester - Dracut Receipt - Allow design pressure of 472#

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Manchester | 20 000 | | | |
| Dracut to Nashua | 20 000 | | | |
| | 40 000 | | | |
| Total Indicative Rate | | | | |

Case 16b - 20 MM to Nashua + 20 MM to Manchester - Dracut Receipt - Maintain design pressure of 657#

| Path | Project Dth | Required Facilities | Ball Park Capital Cost | Indicative Rate |
|-----------------------|-------------|---------------------|------------------------|-----------------|
| Dracut to Manchester | 20 000 | | | |
| Dracut to Nashua | 20 000 | | | |
| | 40 000 | | | |
| Total Indicative Rate | | | | |

Notes: