January 6, 2020

Chairman Chatterjee
Commissioner Glick
Commissioner McNamee
Federal Energy Regulatory Commission
88 First Street, NE
Washington, DC 20426

Re: FERC Docket CP15-558, Accession # 20191230-5107
PennEast’s request for Extension of In Service Date

Dear Chairman Chatterjee and Commissioners Glick and McNamee:

We are writing on behalf of New Jersey Conservation Foundation, The Watershed Institute, and the Delaware Riverkeeper Network to oppose PennEast’s baseless request for an extension of time. See PennEast Pipeline Company Extension for Time, Docket Nos. CP15-558-000 and CP19-78-000, Dec. 30, 2019. On January 19, 2018, the Federal Energy Regulatory Commission (“the Commission”) issued a certificate of public convenience and necessity to PennEast Pipeline Company, LLC (“PennEast”), Docket No. CP15-558-000. PennEast Pipeline Co., LLC, 162 FERC ¶ 61,053 (2018). The Commission’s order included PennEast’s requested in-service date of January 19, 2020. Now, just weeks before that date approaches, PennEast requests an extension, citing 18 C.F.R § 385.2008(a). PennEast has known since October 8, 2018 -- three months ago -- that it had been denied requisite Clean Water Act approvals and had not procured the land along its proposed route, with any potential for progress towards construction on the proposed route stymied by both of those significant legal obstacles.1,2

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1 In re PennEast, 938 F.3d 96 (3d Cir. 2019). In this ruling, the Third Circuit confirmed that the Eleventh Amendment prohibits PennEast from bringing suit against the state in federal court to seize state property or interests. Thus PennEast lacks legal authority over more than 40 interstitial parcels of land within the proposed pipeline route.

2 Although PennEast has not yet petitioned for certiorari, it has indicated its intent to do so. PennEast Pipeline Company Extension for Time, Docket Nos. CP15-558-000 and CP19-78-000, Dec. 30, 2019 at 2. The Supreme Court, however, grants typically between 1 and 3% of all writs of certiorari. For example, in 2017, the Court granted 2.8%. Success Rate of a Petition for Writ of Certiorari to the Supreme Court, Supreme Court Press, https://supremecourtpress.com/chance_of_success.html. Moreover, even were it to surmount the significant hurdle of the (approximately) 3% chance of the Court hearing its petition for
On this basis alone, the Commission should reject PennEast’s eleventh hour request for an extension of its in-service date, and require PennEast to submit a new application with a legally tenable route and attendant environmental and economic data supporting its new project. PennEast cannot satisfy the Commission’s standard for granting such extensions -- that it made good faith efforts to meet its deadline but encountered unforeseeable circumstances. Chestnut Ridge Storage LLC, 139 FERC ¶ 61,149. While the Commission has, in the past, found that providing more time for a project applicant to obtain necessary federal permits can be an appropriate basis for granting an extension of time, the reasons present in those cases are not present here. Unlike Arlington Storage Co., LLC, 155 FERC ¶ 61,165, where the Commission granted an extension because the New York Department of Environmental Conservation had not yet acted upon the project sponsor’s application for a state permit, the New Jersey Department of Environmental Protection (“NJDEP”) has in fact twice denied PennEast’s application for a CWA Section 404 Permit. Additionally, unlike Constitution Pipeline Company LLC, 157 FERC ¶ 61,145, where the Commission granted an extension while the project sponsor appealed the state’s denial of a CWA Section 401 permit application pending in federal court, PennEast has opted not to challenge or appeal NJDEP’s denial, and the deadline for doing so has passed. In contrast to those cases, PennEast has not shown good cause for why an extension of its in-service date should be granted.

Importantly, no extension should be granted because the central justification for the PennEast project is no longer relevant. Even assuming that PennEast capacity would have been beneficial when first proposed in 2014, the dramatic increase in takeaway capacity from the Marcellus region as well as to and through (and thus available to) New Jersey since then has given the Commission sufficient reason to revisit the rationale for the project. New Jersey Rate Counsel and independent energy experts have amassed substantial evidence demonstrating that there is currently a glut of pipeline capacity serving New Jersey customers. Even when gas demand is at its highest, there is significant excess capacity on pipelines serving New Jersey LDCs. During the bomb cyclone in 2018, on several days, gas flowed south out of New Jersey to the warmer southern states because it could not find a home in the state - as the demand did not exist in the state. Instead of providing a beneficial service and lowering costs for ratepayers, the proposed pipeline would simply provide an attractive return for its owners, affiliates of the LDCs, at ratepayer expense. This Certificate’s expiration is the opportunity for the Commission to require PennEast to demonstrate that a need for more natural gas capacity actually exists in New Jersey and that PennEast would meet that need while lowering costs to ratepayers. It also provides the opportunity for New Jersey to review existing capacity, as the Commission has suggested that it is the state’s responsibility to make such a determination.

certiorari, there is no indication that the Court would upend the unanimous and well-reasoned Third Circuit decision.

And the record is replete with data demonstrating that it never was.

Lander, Greg, Analysis of Regional Pipeline System’s Ability to Deliver Sufficient Quantities of Natural Gas During Prolonged and Extreme Cold Weather (Winter 2017-2018) (February 11, 2018), Skipping Stone, at 5, attached hereto as Exhibit A.

FERC has indicated its belief that any attempt “to look behind the precedent agreements . . . might infringe upon the role of state regulators in determining the prudence of expenditures by
Although precedent agreements may be a reliable source for assessing the demand for a new product or service when those precedent agreements are with producers of trapped supplies seeking access to known markets, or are with consumers seeking to consume additional supplies, here, neither are the case. Here, the vast majority of the shippers subscribing to the PennEast capacity (by volume) neither consume natural gas nor produce natural gas but merely purport to transport the gas on PennEast to their respective distribution systems to meet a demand they can neither quantify nor create. Instead, the only “demand” that is evident is a “demand” by the very subscribing corporations to profit off of amounts paid to putatively reserve capacity on an affiliated pipeline corporation.

When assessing the need for additional pipeline capacity, the salient question should be whether the current pipeline system can deliver sufficient gas during periods of stress - specifically, prolonged and extreme cold weather. Pipeline expansions since 2014 have increased capacity such that PennEast is not needed to meet peak winter demand, not even for a single day, even during extreme weather events; the addition of Atlantic Sunrise capacity in 2018 increased availability by 14%. Moreover, the amount of available capacity on already existing infrastructure has increased thanks to the bi-directional flow of gas in the Transco system, which allowed for delivery of 23% more than contracted capacity. There is no foreseeable scenario in which New Jersey’s consumers would need the gas brought in via PennEast, even for the coldest day of the year. And PennEast’s cost savings predictions are clearly incorrect for two reasons. First, as additional capacity has come online through the following projects, (among others) Transco’s Atlantic Sunrise and Leidy Southeast Expansion, TETCo’s New York Expansion, the gap in prices between Transco Zone 6 Non-NY and Henry Hub has closed. Second, the component of cost savings PennEast cites that relied upon a future reduction of winter price spikes was never valid, because those price spikes result from physical constraints present at New York City Gates. PennEast supply was never going to increase capacity into New York City and would have no impact on reducing costs during peak demand.

This is a perfect example of a case where the justification provided by the applicant in 2014 and relied on by the Commission’s public convenience and necessity determination “has gone stale with the passage of time,” which is the main reason the Commission implements completion deadlines. See Chestnut Ridge Storage, LLC, 139 FERC ¶ 61,149 at 2 (denying request for extension of time). Because the findings that initially underlied the Commission’s authorization are no longer valid, this request for extension should be denied. Constitution the utilities that they regulate.” Order Issuing Certificates and Granting Abandonment Authority, Mountain Valley Pipeline, 161 FERC 61,043 (Oct. 2017), at 23; see Order Dismissing Rehearing, Spire STL Pipeline, 169 FERC ¶ 61,134, at 14 (describing the Commission’s position that this is an inquiry for state regulators alone); Order on Rehearing, Atlantic Coast Pipeline, 164 FERC 61,100 (Aug. 2018), at 24 (describing the Commission's position to leave scrutiny of precedent agreements to state regulators alone).

Analysis of Regional Pipeline System's Ability to Deliver Sufficient Quantities of Natural Gas During Prolonged and Extreme Cold Weather at 3.

6 Id.
7 Id.
8 Id.
9 Id. at 7-8.
Pipeline Company, LLC, 157 FERC ¶ 61,145 at 2 (explaining that the Commission will grant an extension of time only if the “public interest findings underlying the Commission’s authorization can be expected to remain valid”). Here, unlike Constitution Pipeline Company, concrete evidence demonstrates that claims of market need have failed to materialize.

We respectfully request that the Commission deny PennEast’s eleventh hour request for an extension of its ill-conceived and untenable project. If PennEast is able to devise a legally tenable route, and provide market studies demonstrating unmet need, it can, at that time, apply for a Certificate of Public Convenience and Necessity for that new project.

Sincerely,

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EXHIBIT A

Analysis of Regional Pipeline System's Ability to Deliver Sufficient Quantities of Natural Gas During Prolonged and Extreme Cold Weather (Winter 2017-2018)

Author: Greg Lander
For
The New Jersey Conservation Foundation

www.skippingstone.com
February 11, 2018
About Skipping Stone

Skipping Stone is a global energy markets consulting and technology services firm that helps clients navigate market changes, capitalize on opportunities and manage business risks. Our diverse services include market assessment, strategy development, strategy implementation, managed services, talent management and innovation collaboration. Market sector focus areas include natural gas and power markets, renewable energy, demand response, technology services and distributed energy resources. Skipping Stone’s model of deploying only energy industry veterans has delivered measurable bottom-line results for over 260 clients globally. Headquartered in Boston, the firm has offices in Atlanta, Houston, Los Angeles, Tokyo and London. For more information, visit www.SkippingStone.com

Skipping Stone operates Capacity Center which is a proprietary technology platform and data center that is the only all-in-one Capacity Release and Operational Notice information source synced with the Interstate pipeline system. Our database not only collects the data as it occurs, it is a storehouse of historical Capacity Release transactions since 1994. We also track shipper entity status and the pipeline receipt and/or delivery points, flows and capacity. Our analysts and consultants have years of experience working in natural gas markets. Capacity Center has worked with over a hundred clients on a wide variety of natural gas market and pipeline related reports and projects.

Headquartered in Boston, the firm has offices in Atlanta, Houston, Los Angeles, Tokyo and London. For more information, visit www.SkippingStone.com.

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Skipping Stone previously analyzed the justification for PennEast as required to provide year round service, or even to ostensibly meet peak winter demand, and found no evidence that it was required.¹ See Analysis of Reliability in Electric and Gas Markets, Cost Savings and Project Need (Nov. 28, 2016); PennEast Analysis of Alternatives (Sept. 12, 2016); Analysis of Public Benefit Regarding PennEast Pipeline (Mar. 9, 2016). Skipping Stone hereby updates that analysis with the data from the most recent winter to date², and presents its results.

When assessing the need for additional interstate pipeline capacity, the central question should be whether the current pipeline system is able to deliver sufficient quantities of natural gas under stress; more specifically, during prolonged and extreme cold weather. The recent period of historic and prolonged cold weather in December 2017 and January 2018 provides an excellent opportunity to address this central question.

Our analysis shows that gas flow for this region is now bi-directional, which has greatly expanded the available delivery capacity, without the addition of additional, pipeline capacity into the subject region. In fact, recent performance shows that the system delivered in Zones 5 and 6 ~23% more natural gas than the total contracted delivery capacity on the Transco pipeline in Zones 5 and 6. This growth in delivered capacity has occurred with capacity in existence as of this writing, i.e., without building any additional pipeline capacity into the subject regions. The growth results from the bi-directional flow of gas in the Transco system, which allows for multiple deliveries within and across Zones using the same pipeline path.

This analysis shows that PennEast is not needed to meet peak winter demand, not even for a single day, even during extreme weather events. Given the addition of Atlantic Sunrise capacity by June 2018, which increases capacity in the region by another 14%, and the existence of substantial, in-region, interstate-pipeline connected, peaking supplies³, it is difficult to imagine any scenario for at least a decade where additional pipeline capacity will be required.

**Background**

Transco is one of five major interstate pipeline networks that enter, exit or run through New Jersey. Transco, a major supplier to the region, is the predominant destination for more than 90%+ of proposed PennEast supplies and thus examination of the physical and market dynamics evidenced on Transco this past winter provides an important and dispositive insight into the central question under study. On the Transco system, New Jersey is located in Zone 6, which runs from Maryland to New York City and Long Island.

¹ FERC’s Order correctly notes that projects like PennEast are typically aimed at addressing only peak demand.
² The data for the winter to date includes data encompassing the weather episode referred to as the “bomb-cyclone” and/or the “bomb-o-genesis”
³ There are LNG vaporization facilities connected to Transco: 1) in the Zone 6 NY pricing region of Transco; 2) from the Cove Point MD LNG Terminal which feeds Transco near the Zone 5/6 border; 3) in Zone 6 Philadelphia; and 4) by contract on Algonquin where a Transco shipper receives LNG in Providence RI into Algonquin which delivers the receipt quantity by “backhaul” to Transco outside NY for delivery by Transco to the Transco Shipper in NYC.
Island. South of Transco’s Zone 6, is Transco’s Zone 5. Zone 5 runs from ~the Georgia/South Carolina Border to the Virginia/Maryland border.

Generally, pipeline capacity, while fully subscribed, is fully utilized only during extreme cold weather, when heating needs are fully met and electric generation plants and other customers with interruptible contracts use the remaining available capacity in the secondary market. Historically, pipelines in the New Jersey region were fully utilized only 20-30 days per year, and depending on cost and availability of peaking supplies, new pipeline capacity may be warranted when existing pipeline capacity is fully utilized to meet firm demand around 50 -60 days per year. Traditionally, LDCs are the primary customers for firm capacity, as they are required to ensure that pilot lights do not go out for residents and businesses, especially during prolonged periods of cold weather.

Historically, Transco’s supply sources were located in Texas and the Gulf Coast and brought to the Northeast throughout the year. This analysis shows that the historic pattern has changed and that Transco is no longer a uni-directional system. With uni-directional flow, the amount of gas that could be delivered was constrained by the physical, forward haul, capacity of the pipeline, resulting in full utilization 20-30 days per year.

The direction of gas flow in the mid-Atlantic and Northeast region has changed significantly in the past few years for several reasons. First, large quantities of natural gas are now supplied from the Marcellus region, into Transco at locations in Zone 5 and Zone 6. Second, substantial new pipeline capacity has been added both to Transco and to other pipelines in the region (many of which connect, and deliver gas, to Transco) since 2011.

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4 Pipeline capacity into, out of, and throughout the Northeast is “fully subscribed”. “Fully subscribed” means that were every contract to be scheduled from primary receipt point(s) to primary delivery point(s) up to the Maximum Daily Transportation Quantity on the contract, there would be no remaining firm, primary to primary, capacity that the pipeline would have available to sell. Fully subscribed does not take into account use of, or possible amount of, firm capacity available for transacting deliveries through segmentation. Neither does fully subscribed mean fully utilized even on a once through (i.e., no segmentation) basis. During periods of less than full utilization, a pipeline can sell interruptible capacity and/or contract holders can release (sell) a portion of their unutilized firm capacity to others; both of which are commonly referred to as the “secondary market”. 
New analysis of recent peak demands

Exhibit 1. Analysis of Transco pipeline contracted capacity and deliveries during recent period of winter peak demand\(^{5}\)

Our analysis is shown in Exhibit 1. During the period from November 1, 2017 through January 20, 2018, analysis of gas contracts and deliveries on the Transco pipeline in Zone 6 shows that

- The contracted delivery capacity in Zone 6 was 4.9 billion cubic feet per day (Bcf/d). This total is the maximum “firm” capacity contracted by LDCs and others to locations in Zone 6. (depicted by the green line)
- Most days, holders of firm capacity do not actually use all of this capacity, even during winter months. On average, 4.1 Bcf/d was utilized to deliver to Zone 6 locations (the brown line) during this period evidenced by the average of actual scheduled deliveries.
- The data shows that scheduled deliveries by Transco (depicted by the light blue line) were (and resultant utilization of Zone 6 capacity was) higher than the maximum contracted Zone 6 delivery capacity on many days. In Zone 6 alone, at its peak, the system delivered more than 5.23 Bcf/d. This means that the system delivered ~300 million cubic feet per day more than the maximum contracted delivery capacity, an increase of ~6% over contracted delivery capacity.

\(^{5}\) All contract data obtained from Transcontinental Gas Pipe Line Informational Postings, Index of Customers listing for 01/01/2018. All Scheduled Quantity data obtained by direct computer to computer electronic data interchange from pipeline database that also displays data on the pipeline’s informational postings of Operationally Available (OA) capacity. OA data provides the scheduled quantity at every location as well as the remaining “operationally available” quantity at such location. Each location’s scheduled quantity is identified as a “receipt” or “delivery” quantity.
• Notably, even on the highest Zone 6 demand day on the Transco system, there remained 1.7 Bcfd of capacity through Zone 6 (i.e., in addition to the contracted delivery capacity into Zone 6) that was not utilized to meet Zone 6 demand.

The high level of Zone 6 deliveries plus the 1.7 Bcfd of remaining, Path, capacity through Zone 6 to the south shows that there is now “extra” capacity that is available to provide natural gas to customers in Zone 6’s region that did not exist when the Transco line was uni-directional and flowing to the north from the Gulf Coast during the winter months.

Below, in Exhibit 2 is analysis of Transco pipeline contracts and deliveries during the same recent period of winter peak demand encompassing Transco Zone 6 plus the mid-Atlantic region of Transco (i.e., Zone 5).

Exhibit 2.

This Exhibit 2 analysis shows that:

• The contracted delivery capacity in Zone 5 and Zone 6 was 7.4 Bcfd. This total is the maximum “firm” capacity contracted by LDCs and others to locations in Zones 5 and 6. (depicted by the green line)

• Most days, holders of firm capacity do not actually use all of this capacity, even during winter months. On average, ~7.1 Bcfd (depicted by the brown line) was utilized during this period evidenced by actual scheduled deliveries. Thus, on average, at least 300 million cubic feet per day of the capacity was available to others in the secondary market.

• Scheduled deliveries by Transco (depicted by the light blue line) were (and resultant utilization of combined Zones 5 & 6 capacity was) often higher than the sum of the maximum contracted Zones 5 and 6 delivery capacity. At its peak, the system delivered more than 9.6 Bcfd. This means that the system delivered ~2.2 Bcfd more than the maximum contracted delivery capacity, an increase of ~23% over combined, contracted, delivery capacity.
• The data also shows that segmentation (discussed below) allowed even higher deliveries on the coldest days when demand was highest. Up to **500 million** cubic feet per day (MMcfd) or **0.5 Bcfd** of additional deliveries were made through segmentation on the coldest days. (the blue peaks above the light blue line)

The high level of deliveries shows that there is now “extra” capacity that is available to provide natural gas to customers in both the Zone 5 and Zone 6 regions that did not exist when the Transco line was unidirectional and flowing to the north during the winter months.

Below, in Exhibit 3 Skipping Stone presents the net “mass balance” view of Zone 6 during the same time period presented in Exhibits 1 and 2. A net mass balance for a zone of a pipeline system is the sum of all scheduled receipts in that zone over a time period minus all scheduled deliveries in that zone over the same time period. For our purposes the time period is, for each point plotted, a single day. Under this analysis a negative number indicates that there are more deliveries out of the pipe in the Zone than receipts into the Zone; and, a positive number indicates there is an excess of receipts in the zone; in which case the gas has to leave Zone 6 and proceed to Zone 5 (i.e., move southward towards the Gulf Coast).

Exhibit 3.

As can be seen in Exhibit 3, above, even on the day of highest prices and highest deliveries to Zone 6 locations, there was net southward export of Zone 6 receipts to Zone 5. This means that the root cause of the episode of highest NY price was not related to the availability of gas in Zone 6, because Zone 6, on

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6 Scheduled receipts include scheduled withdrawals from storage (a receipt into the pipelines) as well as scheduled injections into storage (a delivery out of the pipeline).

7 Transco does not have a Zone 7 and all deliveries to other pipelines in Zone 6 are counted as Zone 6 deliveries.
that day was exporting gas to Zone 5; but rather, an inability of NY to receive supplies from Transco at the pertinent NY Zone 6 pricing locations that are reported to the trade press.⁸

Below, in Exhibit 4, Skipping Stone presents a “what-if” chart. The what-if pertains to how the net flows of Transco Zone 6 would have looked had the final quantity of Transco capacity associated with the Atlantic Sunrise Project been on line and fully utilized over the subject time period, instead of it being available under the Transco schedule of ~June 2018.

![Graph showing Transco Zone 6 Net Flow (Into-from South) Out-of-South Winter 2017-2018](image)

Exhibit 4.

As presented above, had Atlantic Sunrise come online 6 or more months early and been fully utilized, on the highest priced day, fully 1.5 Bcfd would have been available for incremental load in Zone 6 or more likely for export southward to Zone 5. Keep in mind that this is 1.5 Bcfd of excess capacity, on the highest priced and highest Zone 6 demand day, and it represents ~1 ½ “PennEast-s worth” of capacity, before PennEast were to lay even one mile of pipe.

In addition, the result of a bi-directional pipeline, in a region well supplied by other interstate pipelines, is that the system itself has become highly reliable, and can compensate for major disruptions with no loss of service.

As shown above, the pipeline flow for this region is now bi-directional, which greatly expands the available capacity, without the addition of new pipes in the ground. Extra deliveries are possible because capacity owners can schedule multiple receipts and deliveries along their “contracted paths” within these zones. These shippers have rights to the “path” between their contracted receipt and delivery points; and, can segment this capacity and use it to deliver gas through that capacity in a myriad

⁸ The “Zone 6 NYC” pricing point is generally considered the Consolidated Edison and National Grid city gate locations as well as some far eastern Essex, Union, and Middlesex county locations in New Jersey.
of ways. Imagine a line that runs from South to North; and, as shown below, from the receipt point at “A” to a delivery point at “F”.

![Contracted Capacity is 10,000 Dthd From A to F](image)

**Exhibit 5.**

Further, imagine A is in Zone 4; B, C, and D are in Zone 5; and, E and F are in Zone 6. For example, as pictured above, the shipper with 10,000 Dthd from A to F can receive gas in Zone 4 to deliver in Zone 5, and then obtain additional gas in Zone 5 to drop off further along in Zone 5; then pick up additional gas (ex. at point “E”) and deliver it to point “F” further along in Zone 6. This is referred to as segmentation and enables a 10,000 Dthd path to be used, as in this example to transact use of the path to move 30,000 Dthd (i.e., 3 fold the contracted path capacity). This strategy allows for multiple deliveries within and across Zones as long as no more than 10,000 Dthd is being used along any segment – in other words no overlapping is permitted. Moreover, while the above graphic depiction of path “A to F” (south to north) exists today, Atlantic Sunrise and other recent Transco projects that have already come into service have created “F to A” (north to south) paths of capacity which can be scheduled simultaneously with “A to F” paths of capacity. This pathing (A to F and F to A) enables at a minimum the 9.1 Bcfd of capacity on a once through basis and as shown in Exhibit 2 enabled the 9.6 Bcfd of deliveries through segmentation of the Path capacity.

The data shown above in Exhibit 2 and Exhibit 4 demonstrate that during this period of high demand, existing path capacity added 23% to the capacity available to serve loads reflected by firm delivery point contracts (i.e., the total of which are represented by the green line in Exhibit 2); and when supplemented by the capacity coming on line in mid-2018 with Atlantic Sunrise’s completion, the 9.1 Bcfd of combined Zone 5 and Zone 6 Path capacity will become 10.4 Bcfd or 140% of (and ~3.0 Bcfd greater than) the currently existing 7.4 Bcfd of contracted delivery point capacity to Zones 5 and 6 locations.