

Community Engagement Report

Atlantic Coast Pipeline

Union Hill/Union Grove/Shelton's Store Communities

Buckingham County, Virginia



Executive Summary

The Atlantic Coast Pipeline (“ACP” or “Project”) is a proposed interstate natural gas transmission system that will serve the growing energy needs in the Mid-Atlantic including Virginia, West Virginia and North Carolina. The ACP is being developed by Atlantic Coast Pipeline, LLC (“Atlantic”), a company comprised of subsidiaries of Dominion Energy, Duke Energy and Southern Company. Atlantic has contracted Dominion Energy Transmission, Inc. (“Dominion Energy”) to permit, construct, operate and maintain the ACP.

At certain locations along the route of the ACP, compressor stations are required to compress the natural gas to maintain the flow of gas as changes in elevation and friction slow down the flow of gas over long distances. One such compressor station is planned to be located on an approximately 70 acre parcel owned by Atlantic and located along Route 56 in Buckingham County, Virginia (“Buckingham Compressor Station”). During the course of developing the Buckingham Compressor Station, Dominion Energy engaged with and heard concerns from many stakeholders relating to the health, safety, economic and other effects of the proposed Buckingham Compressor Station, including concerns from residents of the nearby Union Hill/Union Grove/Shelton’s Store communities (“Union Hill”).

Dominion Energy is committed to operating its businesses in a long-term sustainable manner protecting the environment; ensuring the safety of its employees, customers and stakeholders; and acting as a socially responsible good corporate citizen. One key aspect of operating in a sustainable manner involves Dominion Energy’s commitment to partner and strengthen the communities where it does business, which are also the same communities that its employees live, work and play. Accordingly, Dominion Energy engaged in dozens of community meetings, events and activities with the residents of Buckingham County and Union Hill in particular with the goal of working in concert with the residents to strengthen the Union Hill community, address concerns raised by Union Hill residents and inform the community on the safety and environmental systems and plans that form an integral part of the ACP and specifically the Buckingham Compressor Station.

As a result of these community engagement activities, and in furtherance of Dominion Energy’s commitment to partner and strengthen the communities where it does business, Dominion Energy in concert with residents of Union Hill, developed a set of comprehensive proposals that we believe will serve to enhance and strengthen the Union Hill community while also simultaneously addressing concerns identified by residents of Union Hill. The support package is divided into two primary sections: 1.) public safety items, and 2.) community revitalization efforts. The recommended investments in enhancements and activities total an estimated \$5,120,000.

1 Introduction

The Atlantic Coast Pipeline (“ACP” or “Project”) is a proposed interstate natural gas transmission system that will serve the growing energy needs in the Mid-Atlantic including Virginia, West Virginia and North Carolina. The natural gas transported by the ACP will be used to generate electricity, heat homes, run local businesses and increase the reliability and security of natural gas supplies in Virginia. The developer of the ACP is Atlantic Coast Pipeline, LLC (“Atlantic”), a company comprised of subsidiaries of Dominion Energy, Duke Energy and Southern Company formed for the purposes of operating as a Natural Gas Company as defined by the Natural Gas Act, 15 U.S.C. § 717 *et seq.* (“Natural Gas Act”). Specifically, Atlantic intends to own, develop, construct, operate and maintain the ACP, an approximately 600-mile underground natural gas transmission pipeline originating in Harrison County, West Virginia, running generally southeast to Northampton County, North Carolina and then continuing south into eastern North Carolina terminating in Robeson County, North Carolina. Atlantic contracted Dominion Energy Transmission, Inc. (“Dominion Energy”) to permit, construct, operate and maintain the ACP.

At certain locations along the route of the ACP, above ground facilities are required to deliver the natural gas to customers (metering and regulation stations), provide isolation points and entry points for safety inspections (valves and launcher/receiver sites) and compress the natural gas to maintain the flow of gas as changes in elevation and friction slow down the flow of gas over long distances (compressor stations). The general location of these facilities are dictated by safety regulations, contractually required delivery points, and technical requirements based on many factors including the diameter of the pipeline, the volume of gas being transported and the type of terrain being crossed.

One such compressor station is planned to be located on an approximately 70 acre parcel owned by Atlantic and located along Route 56 in Buckingham County, Virginia (“Buckingham Compressor Station”). The location of the Buckingham Compressor Station was largely dictated by the technical considerations described above, the required delivery point to the Transco pipeline located on the Buckingham Compressor Station site and many other factors considered to minimize impacts on adjacent landowners and nearby communities. During the process of developing the ACP, and specifically the Buckingham Compressor Station, Dominion Energy conducted outreach to determine the concerns of stakeholders relating to the health, safety, economic and other effects of the proposed Buckingham Compressor Station, including concerns specifically from residents of the nearby Union Hill/Union Grove/Shelton’s Store communities (collectively herein referred to as “Union Hill”). In response to these concerns, Dominion Energy engaged in a series of community engagement activities with residents of Union Hill. This report outlines those interactions and a recommended package to support Buckingham County and the Union Hill community in particular.

1.1 Background

Dominion Energy and its partners in Atlantic are committed to operating their businesses in a long-term sustainable manner protecting the environment; ensuring the safety of its employees, customers and stakeholders; and acting as a socially responsible good corporate citizen. One key aspect of operating in a sustainable manner involves Atlantic’s and Dominion Energy’s commitment to partner and strengthen the communities where it does business, which are also the same communities that its employees live, work and play. Accordingly, Dominion Energy engaged in dozens of community meetings, events and activities with the residents of Buckingham County and Union Hill in particular with the goal of working in concert with the residents to strengthen the Union Hill community, address concerns raised by the residents and inform the Union Hill community on the safety and environmental systems and plans that form an integral part of the ACP and specifically the Buckingham Compressor Station.

1.2 Union Hill Engagement Goals and Objectives

Specific Goals and objectives of Dominion Energy’s engagement with the residents of Union Hill include:

- Listen to and address concerns of the residents of Union Hill related to the ACP and Buckingham Compressor Station;
- Discuss the needs of the Union Hill community and how Dominion Energy may help support these community needs;
- Focus on ideas that improve the health, safety, education, economic well-being and revitalization of the Union Hill Community; and
- Assist the Union Hill Community to organize and take advantage of opportunities that may be presented by the ACP and Dominion Energy.

2 Meeting, Event and Activity Summary

The following table provides a summary of the meetings, events and activities that Dominion Energy conducted as part of its community engagement with residents of Buckingham County and Union Hill:

Compilation of Dominion Energy Community Engagement/Meetings/Activities related to Buckingham County and Union Hill		
Date	Event/Activities	Summary
Sept 30, 2015	First Community Advisory Group (CAG) Meeting Buckingham County Ag. Center	Meeting to review the proposed process while getting to know each of the participants and Dominion Energy Representatives. At this time the scope of the CAG process was reviewed, discussed and agreed upon by CAG and Dominion Energy Team Members from representing engineering, safety, operations, environment, and community relations. CAG meetings were generally attended by 10-12 representatives of stakeholders, and were open to the public.
Nov 5, 2015	Second Meeting of CAG Buckingham County Ag. Center	Work session where participants learned more about the planned Buckingham Compressor Station and began to work in small groups to provide feedback on specific areas. The areas included lighting, building design and color, landscaping, walls or fences.
Dec 11, 2015	Tour of existing compressor station Chambersburg, PA	Five CAG members joined Dominion Energy representatives for this tour of an existing compressor station, which included an interview with a local resident and representative from the Chambersburg Fire Department.
Jan 28, 2016	Third Meeting of CAG Buckingham County Ag. Center	Continuation of the work sessions from the second meeting. Dominion Energy Representatives provided CAG participants with a draft design plan that incorporated many of the recommendations that had come from previous discussions.

<p>Feb 16, 2016</p>	<p>Informational Meeting to discuss outcomes of CAG Process Buckingham County Middle School</p>	<p>Informational workshop held by Dominion Energy to publicly share more information about the plans for the Buckingham Compressor Station, the work the CAG did on the compressor station design elements and also to provide ACP project-related information. 37 community stakeholders signed in for the workshop, which was advertised in the local paper over two weeks prior to the meeting date.</p>
<p>April 12, 2018 5:00 – 7:30 pm</p>	<p>Meeting with Buckingham Middle School Officials Buckingham County Middle School</p>	<p>Dominion Energy representatives Ron Gillet and Basil Gooden met with the Buckingham County Middle School officials including Principal and Media Specialist Mrs. Melissa Hanes to discuss ACP support of educational initiatives.</p>
<p>April 25, 2018 5:00 – 7:30 pm</p>	<p>ACP Construction Open House and Job Fair Buckingham County Middle School</p>	<p>Many Dominion Energy representatives met and engaged with the residents of Buckingham County and Union Hill. Excellent turnout with approximately 200+ residents attending.</p>
<p>April 27, 2018 12:30-3:00 pm</p>	<p>Meeting with Reverend Paul Wilson Longhorn Steakhouse, Richmond, VA</p>	<p>Dominion Energy representative Basil Gooden met with Reverend Wilson to discuss Dominion Energy-Union Hill community partnership.</p>
<p>May 2, 2018 1:00-4:00 pm</p>	<p>Meeting with Yogaville Representatives Yogaville, VA</p>	<p>Dominion Energy representative Basil Gooden met with individuals from the Yogaville community to discuss Dominion Energy partnership.</p>
<p>May 13, 2018 1:00-3:00 pm</p>	<p>Meeting with Buckingham Circle of Protection Group Union Hill Baptist Church</p>	<p>Dominion Energy representative Basil Gooden met with individuals from the Friends of Buckingham, Union Hill and the Yogaville community.</p>
<p>May 16, 2018 3:00-6:00 pm</p>	<p>Meeting with joint Union Hill and Yogaville Group Union Hill Baptist Church</p>	<p>Dominion Energy representative Basil Gooden met with group of about 20 people to discuss ACP issues.</p>
<p>May 17, 2018 6:00-9:00 pm</p>	<p>Richmond NAACP 100th Anniversary Banquet Virginia Union University</p>	<p>Dominion Energy representative Basil Gooden met with Pastor Paul Wilson at the NAACP event.</p>
<p>May 24, 2018 6:30 – 8:00 pm</p>	<p>1st Community Meeting with Buckingham/Union Hill Crystal Cathedral, Dillwyn, VA</p>	<p>Many Dominion Energy representatives including Anne Loomis, Leslie Hartz, Emmet Toms and Jeff Furr met with Buckingham County and Union Hill Community leaders. It was a great community meeting, good interaction and discussion of issues. Approximately 30+ people attended.</p>
<p>May 30, 2018 11:00 – 4:00 pm</p>	<p>Advisory Council on Environmental Justice (ACEJ) Buckingham County</p>	<p>Meeting of ACEJ, several Dominion Energy representatives attended and engaged with community.</p>

June 19, 2018 5:30 – 7:00 pm	Meeting with Individual Family in Union Hill Community Union Hill Community	Dominion Energy representative Basil Gooden met with Chrissy Burnley, Ricky Burnley and Herman Burnley at their home on Shelton Store Road about ACP matters and Dominion Energy’s interest in working with the community.
June 25 - 31, 2018	Compilation of Vendors and Suppliers List	Dominion Energy representatives worked extensively with community members to compile extensive list of suppliers and vendors from Buckingham County and especially Union Hill Community.
July 16, 2018 6:00 – 8:30 pm	Meeting with Pastor Wilson, John Laury Longhorn Steakhouse, Chesterfield	Dominion Energy representatives Carlos Brown, Leslie Hartz, Suzie King met with Pastor Wilson and John Laury to discuss community support.
July 24, 2018 6:00-8:00 pm	2nd Community Meeting with Buckingham/Union Hill Union Grove Baptist Church	Many Dominion Energy representatives, including Carlos Brown, Ann Loomis and Leslie Hartz attended this community meeting. Approximately 70+ community members attended.
July 31, 2018 5:00 – 6:45 pm	Buckingham Community – Dominion Energy Partnership Meeting Cheryl’s Barbershop, Dillwyn, VA	Dominion Energy representatives Felix Sarfo-Kantanka and Basil Gooden attended this meeting. About 15 community people attended.
Aug 6, 2018 11:00 – 12:00	Dominion Energy Meeting with Reverend Kevin Chandler, President, VA State Conference NAACP, and Dr. Merritt with the Southern Christian Leadership Conference South Boston, VA	Dominion Energy representatives Felix Sarfo-Kantanka, Nikki Taylor and Basil Gooden met with Reverend Kevin Chandler and Dr. Merritt about Dominion Energy’s community support efforts.
Aug 7, 2018 5:30 – 7:00 pm	Meeting with Individual Family in Union Hill Community Union Hill Community	Dominion Energy representative Basil Gooden met with Shelley Harper, Edith Harper and Tatiana Jones at their home in Union Hill about ACP matters and Dominion Energy’s interest in working with the community.
Aug 15, 2018 5:30 – 8:00 pm	Union Hill Community Meeting Union Hill Baptist Church	The purpose of this meeting was to hear and address concerns exclusively with Union Hill residents. About 25 community people attended.
Aug 21, 2018 5:30 – 8:00 pm	Union Hill Community Visit Union Hill/Union Grove Community	Dominion Energy representatives and consultants Basil Gooden and Ken Johnson met with several members (i.e. Kathie Mosely, Cora Lee Perkins, Adrian McDonald), of the Union Hill Community to discuss community partnerships.
Aug 23, 2018 5:30 – 8:00 pm	Union Hill Community Visit Union Hill/Union Grove Community	Dominion Energy representative Carlos Brown and Basil Gooden visited the Union Hill Community and met with community members including Mrs. Ella Rose.
Aug 27, 2018 5:30 – 8:00 pm	3rd Community Meeting with Buckingham/Union Hill Union Hill Baptist Church	Many Dominion Energy employees and representatives attended this community engagement event. About 100 community people attended.

<p>Sept 3, 2018 7:00 – 8:30 pm</p>	<p>Meeting with Buckingham County Officials and Emergency Responders Buckingham Fire Operations and Training Center</p>	<p>Dominion Energy representatives Felix Sarfo-Kantanka and Jeff Furr met with Buckingham County Officials including the Asst. County Administrator, Cody Davis, E-911 Emergency Services Manager and the Volunteer Fire Chiefs for the County.</p>
<p>Sept 17, 2018 5:30 – 7:00 pm</p>	<p>Union Hill Community Meeting Union Hill Baptist Church</p>	<p>Dominion Energy representative Basil Gooden met with the Union Hill community. About 30 people attended. Union Hill residents expressed their displeasure with the protesting and lack of focus on community improvement.</p>
<p>Sept 24, 2018 10:00 – 12:00 pm</p>	<p>Meeting with Individual Family in Union Hill Community Union Hill Community</p>	<p>Dominion Energy representatives Felix Sarfo-Kantanka and T.R. Andrade met with John and Ruby Laury at their home in the Union Hill community about ACP matters and Dominion Energy’s interest in working with the community.</p>
<p>Sept 27, 2018 6:00 – 7:30 pm</p>	<p>Public Safety Task Force Meeting Buckingham Fire Operations and Training Center</p>	<p>Dominion Energy representatives, including Felix Sarfo-Kantanka met with Union Hill Community members and the Buckingham County Emergency Responders to discuss community partnerships.</p>
<p>Oct. 10, 2018 5:30 – 6:15 pm</p>	<p>Conference Call Meeting with Union Hill Community Partnership Committee</p>	<p>Dominion Energy representatives, including Carlos Brown convened a conference call with Union Hill Community members to discuss Dominion Energy’s community support package. More than 10 Community Members participated in this call--Adrian Jones, Shelley Harper, Tatiana Jones, Cheryl White, Joyce Gooden, Andrew Hartless, Gerald Washington, Michelle Ford, Chrissy Burnley, Kathie Mosely.</p>
<p>Oct. 14, 2018 2:00 – 5:30 pm</p>	<p>Meeting with Union Hill Community Partnership Committee Ellis Acres Park, Community Center, Dillwyn, VA</p>	<p>Dominion Energy representatives Carlos Brown, Felix Sarfo-Kantanka and consultants Ken Johnson and Basil Gooden met with members of the Union Hill Community Partnership Committee to discuss Dominion Energy’s community support package. Seven committee members participated in this meeting. Shelley Harper, Tatiana Jones, Cheryl White, Joyce Gooden, Gerald Washington, Chrissy Burnley, Herman Burnley.</p>
<p>Weeks of October 15 and 22</p>	<p>Local vendor outreach</p>	<p>Dominion Energy representatives and consultants reached out to local vendors including gravel companies and those providing rental services to inquire about abilities around construction needs. More than 15 local businesses were contacted and discussions are ongoing with several.</p>

<p>Oct. 24, 2018 9:00 – 10:15 am</p>	<p>Meeting with Buckingham County representatives</p>	<p>Dominion Energy representatives, Katharine Bond, Felix Sarfo-Kantanka and Emmett Toms met with county representatives including Rebecca Carter, Karl Carter Jamie Shumaker and Cody Davis to discuss Dominion Energy’s community support package.</p>
<p>Nov. 1, 2018 (one additional day TBD)</p>	<p>Hiring event in Buckingham County</p>	<p>Dominion Energy and LIUNA representatives will hold a hiring event for pipeline jobs at a location within Buckingham. Local advertising will include newspaper and road signage in advance to provide community notification.</p>
<p>Early Nov. 2018</p>	<p>Training begins in Buckingham County</p>	<p>LIUNA representatives will hold training session in Buckingham for local workers.</p>

3 Issues Raised by the Union Hill Community

The following is not intended to be an exhaustive list of every single issue that was raised by residents of Union Hill, but rather is a representative group of the reoccurring concerns expressed to Dominion Energy by the residents Union Hill throughout the community engagement activities in Buckingham County.

3.1 Public Safety

- Potential impact radius of an explosion at the Buckingham Compressor Station.
- What is Dominion Energy’s plan to notify and evacuate residents if there is an emergency at the Buckingham Compressor Station or on the ACP?
- How are the spacing between valves determined? Why can’t the valves be closer together?
- The need for paid emergency responders in Buckingham County.
 - Concerns about response times in the community.
- The need for enhanced 911 emergency alert systems in Buckingham County, including a community alert system specifically for Union Hill.

3.2 Community Health, Education and Economic Development

- Why was the Buckingham Compressor Station sited at its present location?
- Noise
- Air pollution
- Threat of explosion
- Erosion and sediment control
- Health of nearby residents
- Where are all of the jobs and economic development opportunities?
- There is a need to preserve the African-American history of the community
- Broadband access
- Funding for community initiatives (youth, seniors, scholarships, business development, revitalization, transportation, grants for community members, community centers/parks)
- Air monitors and health care assistance

3.3 Dominion Energy Responses

In 2015, Dominion Energy engaged in a community advisory process by the formation of a Community Advisory Group (CAG). The purpose of the CAG for the Buckingham Compressor Station was to provide a deeper understanding of the ACP project and gather input from the community members on preferences and priorities to be addressed by the project team in the design and construction phases of the Buckingham Compressor Station. The following groups and organizations were represented on the Buckingham CAG: Buckingham County Emergency Services, IDA, Virginia Department of Forestry, Yogaville, Friends of Buckingham, Sierra Club, Buckingham County Planning Dept., Chamber of Commerce, Kyanite Mining, VA Growth Alliance, Soil and Water Conservation District, Union Hill Community, Union Hill Church. The CAG process was an iterative one that began with broad-based information about the ACP project and compressor stations then stepped down to narrow and specific information about the Buckingham Compressor Station and design features to gather feedback on defined categories.

Dominion Energy hosted three CAG meetings. The meetings were generally attended by 10-12 of the CAG members, along with several Dominion Energy team members representing engineering, safety, operations, environment, and community relations. The meetings were also open to the public, and each meeting had 5-10 spectators in attendance. At the conclusion of each meeting, Dominion Energy representatives took questions from the CAG members and the audience. All questions were answered in a written document prior to the subsequent meeting, and the responses were shared with the participants and posted online. In addition to the three planned meetings, CAG members had an opportunity to tour an existing compressor station in Chambersburg, PA. Five CAG members joined Dominion representatives for this tour, which included an interview with a local resident and representative from the Chambersburg Fire Department.

Finally, Dominion Energy hosted an informational workshop to publicly share more information about the plans for the Buckingham Compressor Station, the work the CAG did on the compressor station design elements and also to provide ACP project-related information. 37 community stakeholders signed in for the workshop, which was advertised in the local paper over two weeks prior to the meeting date. The following are some of the specific actions taken by the project team members to address concerns from CAG members:

- Designing downward pointing lights to reduce light escape
- Moving station structures as far as possible from route 56 and from the Transco ROW to reduce facility visibility
- Leaving existing trees in front of station to screen facility
- Move microwave tower to rear corner to reduce visibility
- Microwave tower height of 195’ or less to not have FAA required light
- Color scheme of buildings to resemble barn and blend with rural surrounding

Following the CAG process, in the Fall and Winter of 2016, Dominion Energy participated in a series of public hearings and meetings concerning the Special Use Permit for the Buckingham Compressor Stations where the public, including residents of Buckingham County and Union Hill, were provided the opportunity to express concerns regarding the Buckingham Compressor Station. The result of this extensive public process was a Special Use Permit approved by the Buckingham County Board of Supervisors in January 2017 that included 41 conditions directly addressing many of the concerns raised by the community. The Special Use Permit is attached hereto as **Appendix A**, and is one of the most restrictive local permits for a compressor station ever issued and agreed to by Dominion Energy.

Subsequently, Dominion Energy has made every effort to continue to address as many of the concerns raised by residents of Union Hill as possible. Responses from Dominion Energy subject matter experts were made available at multiple additional meetings and events with residents of Union Hill, as well as Buckingham County officials who were also present at many of the meetings.

Many of the safety, environmental and health concerns are addressed through safety and environmental systems proposed for the ACP and the Buckingham Compressor Station, including, but not limited to:

- The ACP will be constructed of high strength steel pipe and will be installed with a minimum of 3 feet of cover.
- Atlantic and Dominion Energy comply with, and in most cases exceed, the requirements of the USDOT, OSHA and other applicable regulations, standards and guidelines for safety.
- From construction through operation of the pipeline, safety will be the top priority of Atlantic and Dominion Energy. Each stage of construction has built-in safety requirements, including, but not limited to:
 - Corrosion preventative epoxy coating of pipes;
 - Visually and radiographically inspecting each pipeline weld;
 - Remote-controlled shutoff valves to stop the flow of gas in case of emergency;
 - Cathodic protection, a low-voltage electrical system, would be applied to help prevent pipe corrosion;
 - Control systems that monitor the facilities 24 hours a day, seven days a week and effectively control situations outside of normal operating parameters; and
 - Highly trained operational staff and sophisticated computer and telecommunication monitoring equipment.
- The ACP will be fully automated, monitored and controlled 24 hours a day/7 days a week by Dominion Energy’s state-of-the-art manned gas control center located in Bridgeport, WV.

- An Emergency Shut-down (ESD) System to react to any abnormal operating conditions by immediately stopping the flow of natural gas and removing any gas from the Buckingham Compressor Station piping as quickly as possible. The removed gas is piped into the onsite blow down silencing equipment.
- A technically advanced gas detection system which continuously monitors for the presence of natural gas inside the Buckingham Compressor Station building. If the system detects low levels of gas, it is evacuated with ventilation fans and if higher levels of gas are detected, the above referenced ESD system is activated and the station is shut-down automatically.
- Fire Detection - The Buckingham Compressor Station building will include a technically advanced Ultra-Violet/Infra-Red fire detection system which can activate the ESD system and shut the station down automatically.
- Over-Pressure Protection Systems (OPP) – The Buckingham Compressor Station piping will contain multiple piping relief valves and pressure regulation devices designed and installed to ensure operating pressures are maintained and/or not exceeded.
- Unit Safety Shutdowns can detect a broad range of conditions including high pressure discharge, high temperature, high lube oil temperatures, over-speed along with many other conditions that would immediately trigger an automatic unit safety shutdown.
- The Buckingham Compressor Station will be equipped with an advanced technology security system including restricted access identification technology, cameras and alarms that will be transmitted to the Dominion Energy Security System personnel. Yard and building lighting will be designed to light the site for security purposes.
- Chain link fencing topped with barb wired strands will secure the Buckingham Compressor Station lot perimeter.
- Emissions of all pollutants will be minimized through the use of the most efficient turbines. Larger turbines, with greater horsepower output, are more efficient. More efficient models use less fuel and produce fewer emissions. The turbines include state-of-the-art SoLoNOx technology to minimize NOx emissions. Dry seals would be used on compressors to minimize fugitive emissions and comply with the requirements of EPA’s proposed New Source Performance Standards. Dry seal technology increases the safety, reliability and efficiency of the compressors. Gas Reduction Systems are included in the design to minimize methane releases during shutdowns and startups of the turbines by avoiding blowdowns from occurring altogether and reducing the amount blown down for maintenance purposes.

- The Buckingham Compressor Station is designed and operated with “best-in-class” technology. Best in class is defined as being the most efficient with the least environmental impact and providing reliable construction and operations above and beyond regulatory requirements. For example, the use of low nitrogen oxide combustion technology turbines and addition of Selective Catalytic Reduction technology would reduce nitrogen oxide emission rates from nine (9) parts per million to 3.75 parts per million. In addition, an oxidation catalyst also would be installed to reduce emissions of CO by an estimated 92 percent, and VOC and formaldehyde emissions by an estimated 50 percent. The implementation of these control technologies exceeds limits required by regulation. Additionally, Atlantic will install valve enclosures at the Buckingham Compressor Station to reduce methane emissions from the ESD testing by greater than 99%. Finally, to further reduce methane emissions, Atlantic will implement a fugitive emissions monitoring program at the Buckingham Compressor Station that includes daily visual, audio, and olfactory (AVO) facility inspections and quarterly optical gas imaging (OGI) camera inspections with a 15 day repair requirement.
- The Federal Energy Regulatory Commission (FERC) requires that the sound from the operation of a new compressor station not exceed 55 decibels at any noise sensitive area (NSA), such as a school, hospital or residence, in the vicinity of the station. The 55 decibel limit is required regardless of the equipment inside or outside the facility. FERC guidelines also require that the operation of the compressor station should not result in a perceptible increase in vibration at a nearby NSA. Ambient sound studies and acoustical analyses were completed for all proposed ACP facility sites. These studies evaluate the existing noise conditions and estimate noise produced by equipment at the sites. For the analysis, the existing sound levels are combined with the expected sound contribution at the nearest NSA. Noise mitigation measures are then developed to achieve the desired level. The result of acoustical analysis indicates that, with the specified noise control measures successfully implemented, the continuous sound attributable to the station operating at full-rated load will be lower than the FERC limit of 55 decibels at all identified NSAs.
- The Buckingham Compressor Station is designed to include a number of noise control measures. For example, a muffler would be installed on the exhaust of each turbine unit. The exhaust pipes and intake ducts of the four turbine units would be acoustically insulated. The intake ducts would also have air cleaners and silencers. The walls and roof panels of the two compressor buildings would be constructed using sound dampening material. The doors of the compressor buildings would be insulated metal utilizing full weather stripping. Air inlet mufflers would be located between the air-handling units and the building walls to reduce sound from turbine units. Ventilation discharge hoods on the compressor building’s roof would include air discharge mufflers. All aboveground sections of the unit suction, discharge, and bypass lines would be acoustically insulated.

Additionally, many of the concerns are addressed throughout the extensive regulatory review and permitting of the ACP by multiple federal, state and local agencies, including, but not limited to, FERC, Virginia Department of Environmental Quality, US Army Corps of Engineers, County of Buckingham Conditional Use Permitting Process, Virginia Department of Historical Resources, United States Department of Transportation – Pipeline and Hazardous Materials Safety Administration, Virginia Department of Transportation and ultimately the Federal Courts of the United States as many of the issued permits are reviewed through the judicial system.

Dominion Energy reiterated its commitment to working with the Buckingham County administration, emergency responders and Union Hill to develop and maintain emergency response and preparedness plans for its facilities, including conducting any training required or requested by relevant stakeholders, offering site visits to similar facilities and tours of the facilities in Buckingham County once in-service and assisting in setting up meetings with emergency responders in other jurisdictions in which Dominion Energy operates similar facilities to discuss their experiences and advice. Buckingham County emergency responders also reiterated the adequacy of their training and preparedness for any expected events and their belief that the proposed facilities do not materially affect their current responsibilities or capabilities.

4 Community Support Package Recommendations

In furtherance of Atlantic’s and Dominion Energy’s commitment to partner and strengthen the communities where it does business, Dominion Energy, in concert with residents of Union Hill have developed a set of comprehensive proposals that we believe will serve to enhance and strengthen the Union Hill community while also simultaneously addressing concerns identified by residents Union Hill. The support package is divided into two primary sections: 1.) public safety items, and 2.) community revitalization efforts. The recommended investments in enhancements and activities total an estimated \$5,120,000. Public safety investments are contingent upon Buckingham County’s adoption of an ordinance accepting funds and the successful completion of the ACP. The community center investments are contingent upon the successful completion of the ACP.

As safety is a top priority for Dominion Energy and the residents of Buckingham County, including specifically the residents of Union Hill, Dominion Energy proposes to allocate approximately \$1,520,000 for Emergency Medical Enhancements to Buckingham County and the Union Hill community. These key enhancements are proposed to include: 1.) providing funding to support six (6) emergency responder positions through a revised contract with Delta Response Team (DRT); 2.) paying for needed emergency facility upgrades; 3.) paying for a dedicated emergency line/channel designated for Union Hill; and 4.) purchasing supplemental emergency equipment for Buckingham County.

Dominion Energy also proposes funding additional activities designed to improve community health, education and economic development opportunities for residents of Buckingham County and Union Hill totaling approximately \$3,600,000 to: 1.) build a Community Wellness, Education and Economic Development Center in the Union Hill community; 2.) develop a community park and event pavilion in the Union Hill community; and 3.) provide funding to operationalize a Community Development Cooperation which would be used to support and/or administer the Community Center, Park and provide specific economic benefits to Union Hill residents living in close proximity to the proposed Buckingham Compressor Station.

4.1 Public Safety **Total: ≈\$1,520,000**

4.1.1 Salary Support for Emergency Responders

Dominion Energy proposes to provide funding directly to Buckingham County to support six (6) paid, full-time emergency responder positions. These six positions will be secured by Buckingham County through a revised contract with Delta Response Team (DRT). The contracted DRT staffers will be stationed at the Glenmore Satellite Station of Buckingham County Rescue Squad 24/7/365. Dominion Energy funding for these contracted positions will be time-limited and will sunset after four (4) years. The job duties of the contracted staff will be clearly delineated from the volunteer staff as to avoid confusion or morale issues. Payments would be made annually in the amount of approximately \$240,000 per year for each of the four years of the contract extension. Dominion Energy will work with the county to encourage them to consider continuing the increased service levels at the Glenmore Satellite Station after the initial contract term.

4.1.2 Facility Upgrades

To support the EMS mission and increased staffing, Dominion Energy will provide \$160,000 in one-time funding directly to Buckingham County for upgrades to the Glenmore Satellite Station of the Buckingham County Rescue Squad.

4.1.3 Dedicated Emergency Channel

Dominion Energy will provide \$200,000 in one-time funding to secure a dedicated Emergency Line/Channel designated specifically for Union Hill and Buckingham County.

4.1.4 Emergency Equipment

To enhance the capabilities of Buckingham County’s EMS, Dominion Energy proposed to provide \$12,000 in funding to secure a Utility Terrain Vehicle (UTV) and \$200,000 in funding for the purchase of an emergency response vehicle to be provided to the County and stationed at the Glenmore Satellite Station of the Buckingham County Rescue Squad.

4.2 Community Revitalization **Total: ≈\$3,600,000**

4.2.1 Community Wellness, Education & Economic Development Center **\$2,000,000**

As the centerpiece of its comprehensive community support package, Dominion Energy proposes to provide funding to construct a Community Wellness, Education and Economic Development Center in Union Hill. This proposed center could be located on the property on Route 56 (South James River Highway) directly across from the Buckingham Compressor Station and would focus on providing programmatic activities to improve the health, wellness, education, cultural and economic development of Buckingham County and Union Hill in particular.

The Community Wellness, Education and Economic Development Center would be dedicated to improving the health, wellness, education and economic opportunities for youth, adults and families in Buckingham County and Union Hill in particular. It would serve as the hub for cultural, educational, social, wellness activities and services for the area. The proposed center would provide space for health, wellness and fitness programs such as yoga, indoor walking, basketball, volleyball, and other sports. There would also be opportunities for arts and crafts classes, and various cultural and historical activities. There could be space for civic organizations, social clubs and educational programs for the youth and senior citizens. Below are spaces and activities that could be accommodated within the proposed center.

- Educational/Academic Programming (Community College Courses, Vocational Training, Possible After-school Programs)
- Commercial Kitchen (For events and culinary training purposes)
- Community meeting space to be utilized in variety of ways such as Training Rooms (Emergency Responders, Companies, Organizations, etc.), Remote Work Office Space (Companies rent office space for teleworking opportunities)
- Cultural Reflection Center (The Origins of African-American History Collection)
- Gymnasium with Multipurpose Court (Basketball, Volleyball, Badminton, etc.)

Appendix B provides a draft design for a proposed center based on Recreation Unlimited, a center based in rural Ashely, Ohio. Cost estimates for the design, construction, operation and administration of the proposed center do not reflect the many possible sources of income as a community center business plan has not been fully developed. Specifics will be during a more detailed planning process to include additional community input.

Community Park and Pavilion

Dominion Energy also proposes to construct a Community Park that includes pavilion/shelter for outdoor events. The proposed community park would be a place for people and families to gather to enjoy the beauty of the area. The pavilion could serve as a location for any type of gathering including picnics, reunions and other social events.

According to research from the Robert Wood Johnson Foundation, parks contribute to the health and vibrancy of a community in a number of ways, from promoting physical activity to improving mental health and even having the potential to reduce health care costs. The study shows that parks: encourage physical activity; advance health equity; help kids flourish; help combat chronic illnesses such as diabetes, hypertension, high cholesterol and asthma.

Appendix C provides an illustration of a similar community park and pavilion project. These pictures are of the Wingfoot Lake State Park in Mogadore, Ohio. This park was developed by the Goodyear tire company. Construction of a lake is not within the scope of the project in Buckingham but the playground and picnic building are reflective of anticipated scope.

4.2.2 Community Development Cooperation (CDC) \$1,600,000

The Community Wellness, Education & Economic Development Center would be owned and operated by community-based, non-profit, community development cooperation (“CDC”). The primary mission of the CDC would be to revitalize communities in Buckingham County, in particular Union Hill, through supporting health, education and economic development initiatives. The CDC would be responsible for ongoing operations of the Community Wellness, Education and Economic Development Center in Union Hill.

This CDC could provide grants to the local community to start and expand businesses, revitalize the community, retain family property/land, support entrepreneurship with a focus on encouraging agri-businesses opportunities and renewable green energy businesses like solar farming. Special consideration could be provided to home- and property-owners within a 1-mile radius of the Buckingham Compressor Station.

To demonstrate its commitment to being a long-term community partner, Dominion Energy would provide an investment of \$500,000 to establish the CDC and then provide \$100,000 annually for ten years. Up to \$250,000 could be utilized for local grants with the balance utilized for ongoing operations. The total commitment to the Union Hill CDC would be \$1,500,000.

An additional \$100,000 will be invested for the purpose of documenting local history. The CDC will select the appropriate non-profit or subject-matter experts to provide a local history display to be located at the Community Wellness, Education and Economic Development Center in Union Hill or other local facility.

The funding, planning and development of the proposed center and park and the programming for the CDC would begin coincident with the construction of the ACP after all permits are received. The proposed center and park would be constructed near or adjacent to the Buckingham Compressor Station on land acquired for use during the construction. It would be anticipated that the construction would occur within 12 to 18 months after the Buckingham Compressor Station is in service.

Appendix A:

Buckingham County Special Use Permit for the Buckingham Compressor Station



Rebecca S. Carter
County Administrator

E. M. Wright, Jr.
County Attorney

Buckingham County
Board of Supervisors
Office of the County Administrator
13380 W. James Anderson Highway
Post Office Box 252
Buckingham, Virginia 23921-0252
Telephone 434-969-4242
Fax 434-969-1638
www.buckinghamcountva.org

Robert C. "Bobby" Jones
District 1 Supervisor
Chairman

Danny R. Allen
District 7 Supervisor
Vice-Chairman

Donald E. Bryan
District 2 Supervisor

Don Matthews
District 3 Supervisor

E. Morgan Dunnivant
District 4 Supervisor

Harry W. Bryant
District 5 Supervisor

Joe N. Chambers, Jr.
District 6 Supervisor

Atlantic Coast Pipeline, LLC
Attn: Scott Summers
925 White Oaks Boulevard
Bridgeport, WV 26330

January 11, 2017

Dear Mr. Summers:

On January 5, 2017, the Board of Supervisors held a public hearing and then approved the Special Use Permit for the construction and operation of a Compressor Station on tax map 91-60.

The following are conditions the Board of Supervisors attached to the Special Use Permit:

1. The compression of natural gas will occur through natural gas fueled turbines with no greater than a combined 55,000 ISO horsepower rating and no turbine shall have an ISO horsepower rating greater than 22,000. An increase in horsepower will require new permitting.
2. The only use of the property shall be compression, measurement and regulation of natural gas and its transfer above ground and underground, except that a Microwave Tower shall be permitted provided a separate SUP is approved by the Board. No other non A-1 use shall be made of the property.
3. There shall be no abatement of local property taxes in association of this request.
4. During normal operating hours, the applicant is responsible for providing the first response to any emergency in relation to the compressor station. Applicant shall coordinate with the County for training needs of county volunteer first responders, to safeguard the public from any event that occurs from this compressor station. The applicant shall prepare, at its own cost, an Emergency Preparedness Plan, in accordance with the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration regulations, to be submitted to the County for review and comment prior to implementation of operations.

5. During construction, activities that produce noise between the hours of 10:00 p. m. and 6:00 a. m. shall not exceed a noise level of 60 dBA (decibels) at the property line, without prior notification to the County.
6. Noise attenuation measures will be implemented making all reasonable efforts such that noise levels attributable to normal plant operations and during planned blowdown events will be kept to an L90 reading of 55 dBA (decibels) or less at the property lines with the exception that the front property line (along Route 56, S. James River Hwy) may have a dBA of 60. If testing by a qualified noise consultant shows an exceedance of these levels Dominion will consult with Buckingham County regarding the reasons for the exceedances and reasonably available noise mitigation measures. Also, noise levels attributable to normal plant operations will be less than 55 dBA at any adjacent existing building that is not on the subject property.
7. During construction dust shall be controlled with water or water and calcium chloride.
8. Exterior lighting will be directed downward and inward to the extent feasible in order to prevent any glare on adjacent properties. In addition, the facility will be designed to enable exterior lighting for work areas of the station to be switched off while not in use. Any lighting for surveillance will be at minimum foot-candles for visibility and shall be pointed in a down direction.
9. Site lighting shall not exceed 5 foot-candles in exterior working areas and 2 foot-candles in parking and non-working areas. All lighting will be shielded to prevent light pollution as provided in condition 8.
10. Light trespass shall be limited to and should not exceed 0.5 foot-candles at the property line. All exterior luminaries shall utilize full cut-off optics.
11. All driveways, parking areas, and access roads shall be maintained in a manner that will keep dust to a minimum so as not to adversely impact adjacent properties. Driveways and parking areas will have asphalt surface or better, exception may be applied if not feasible and dust can be controlled otherwise.
12. The compression station and accessory facilities, used for the compression, measurement and regulation of natural gas and its transfer above ground and underground, shall be centrally located on the property to the greatest extent feasible and shall conform to the layout shown on the drawing submitted with the application.
13. A natural colored chain link fence or similar security device shall be placed around the facility at least seven (7) feet in height and will feature 3 strands of barbed wire along the top and prominent "No Trespassing" signs.
14. There shall be one sign but no more than one (1) permanent detached sign for project identification purposes (exclusive of directional signs) which shall be a

ground-mounted monument type sign with landscaping. Any lighting of the sign shall be from above and shielded away from adjacent properties.

15. Fencing and all structures shall have a minimum setback of 100 feet from all property lines.
16. Existing trees along the northwestern property line and along the front of the property (as noted on the site layout submitted with the application) shall be maintained as a buffer for the life of the station. East of the station access road and east of the existing Transco lines there shall be trees planted and maintained after construction to provide a buffer and block visibility from the highway and adjacent properties.
17. Main Buildings and structures above the tree height, with exception of the microwave tower, shall be a neutral earth tone color (example: muted browns, greens, grays).
18. Silencers shall be used during blowdowns and noise levels shall be maintained as outlined in condition 6
19. The Virginia Department of Transportation shall approve access to the proposed facility and the applicant will provide all required improvements.
20. A traffic management plan shall be submitted as part of the overall site development plan. Review and approval by VDOT of the traffic management plan will ensure that temporary construction entrances and access roads are provided appropriately; that "wide load" deliveries are scheduled during appropriate times, and that access routes to and from the site are planned to minimize conflicts.
21. All necessary permits shall be acquired from all applicable regulatory bodies of the state and federal government and copies of such permits shall be provided to the County upon request. The applicant shall maintain periodic reports as required by permits and these reports shall be provided to the County upon request.
22. This facility shall utilize Best Available Control Technology (BACT) in accordance with the most current DEQ air permit; to include but not be limited to Selective Catalytic Reduction (SCR) for the reduction of Nitrogen Oxides (NOx) emissions and Oxidation Catalyst (OC) for the reduction of Carbon Monoxide (CO) and Volatile Organic Compounds (VOCs) emissions. As regulations require and BACT improves, the new technology shall be incorporated into this facility.
23. Prior to construction, the applicant must demonstrate that all wetland requirements applicable to the facility, if any, have been achieved to the satisfaction of the U. S. Army Corps of Engineers.
24. At such time as the facility is granted abandonment authorization by the Federal Energy Regulatory Commission, the applicant or its assignee shall remove all personal property, fixtures, buildings and other structures, and leave the site in a

reasonably comparable condition to that which existed prior to construction of the facility; provided that the applicant or its assignee at its option may, except for any underground fuel storage tanks, abandon any below ground utility infrastructure facilities, foundations and pavings in place.

25. The applicant shall operate in accordance with all permits, laws, rules and regulations of Federal, State and local law, including but not limited to the Federal Energy Regulatory Committee (FERC), Virginia Department of Environmental Quality (VADEQ) and this special use permit. Where there are differences in regulations and requirements the stricter shall apply. If a violation of any state or federal permit applicable to the facility is reported to the local government by the applicable regulatory agency, the Board of Supervisors, and/or the County Administrator, may request the applicant to provide, at the applicant's sole expense, the services of an appropriate firm to review the nature of the violation if any, and the remedy, if any. This firm shall be selected by and report solely to the county.
26. Any non-compliance of this permit's conditions could lead to a stop order and discontinuation of the special use permit, upon proper action of the Board of Supervisors, unless the non-compliance is cured within 30 days of the date applicant is first notified. If such a cure cannot reasonably be accomplished within such 30 day period, Applicant shall have additional time beyond that 30 day period provided that Applicant has commenced such cure within such 30 day period and thereafter diligently prosecutes such cure to completion within a reasonable period of time.
27. Upon start-up a report will be prepared and provided to the County showing operational factors associated with the compressor station that includes the name(s) and contact information for on-site supervisors, and verification of current, valid state and federal licenses and permits. The County will be promptly notified of any changes, within thirty business days.
28. Any complaints or inquiries by the Board of Supervisors, County Administrator, or Zoning Administrator will be responded to promptly. In the event the applicant is notified of any violation of applicable federal, state, or local laws, regulations, or permit conditions applicable to the facility, the applicant shall notify the Zoning Administrator in writing within two business days of receiving such notice and within 10 days fully inform the Zoning Administrator of the current steps being taken to correct and/or remediate the violation. Authorized county personnel or their authorized agents will be permitted to inspect the facility, with 24 hours prior notice and in accordance with Applicant's safety procedures, to ensure that all physical structures and plant operations comply with local regulations.
29. Nothing in this approval shall be deemed to obligate the County to acquire any interest in property, to construct, maintain or operate any facility or to grant any permits or approvals except as may be directly related hereto, i.e. microwave tower.
30. The applicant shall certify to the County annually that it is in compliance with all conditions of this special use permit.

31. In the event that any one or more of the conditions is declared void for any reason whatever; such decision shall not affect the remaining portion of the permit, which shall remain in full force and effect, and for this purpose the provisions of this are hereby declared to be severable.
32. A minimum of one employee, contractor or third party security personnel shall be onsite 24/7 for the first year of operation.
33. Shut off valves shall be installed on both the inflow and outflow lines of the compressor station as well as at the connection with Transco. These valves shall be designed to operate automatically, remotely and manually.
34. The monitoring system and valves must be programmed to alarm and call out personnel to investigate and manually monitor the station when monitoring communications are lost.
35. A back-up system for monitoring communications and emergency notification must be installed.
36. A fire break shall be created and maintained between the facility and adjacent properties, with the exception of the border of Route 56 and the existing Transco right-of-way. The break, which may be located in any required setback, shall consist of 50 feet of grass, grown in a manner to be utilized as a fire line for back burning, or gravel and shall be clear of trees and shrubs, where feasible, so as to not impact visual screening and noise attenuation, or conflict with Conditions 16 and 23.
37. Air quality studies, required by the Virginia Department of Environmental Quality and the Federal Energy Regulatory Commission, will be conducted to demonstrate compliance with the federal National Ambient Air Quality Standards (NAAQS) in the area potentially impacted by the compressor station. The air quality studies will be conducted by a third party company and a report will be submitted to the County at least 60 days prior to the start of construction.
38. Initial NOX, PM10, PM2.5, VOC, and CO stack testing will be completed within 180 days of first turbine startup to determine emission rates to demonstrate compliance with applicable Virginia Department of Environmental Quality and federal Environmental Protection Agency regulatory requirements. Additionally, periodic NOX stack emissions testing will be conducted to demonstrate compliance with 40 CFR Part 60 Subpart KKKK emissions limits. All emissions tests will be conducted by a third party company and all data and reports will be submitted to the County within 60 days of completing the test.
39. Any physical structures must be designed and located within the property, such that, should all or a portion of the structure(s) collapse, the structure(s) will fall completely within the subject property lines.
40. Applicant will develop, in consultation with the County, a Crisis Response Plan that will incorporate appropriate notifications with the Buckingham County Dispatch

office so that if a gas leak, fire or other eminent danger occurs, the Buckingham Dispatch is promptly notified of the incident. Thereafter, the Buckingham Dispatch office will be contacted with further details for dissemination in the code red alert system. Applicant will also coordinate an emergency simulation with Buckingham County Emergency responders to practice the Crisis Response Plan within the first year of operation. Applicant will also implement a prior notification process with the County relative to planned blowdown events.

41. Any material changes as submitted in the application shall be resubmitted to the County for County approval.

Please keep a copy of this letter for your records and adhere to all conditions above. If you have any questions, please call 434-969-4242.

Sincerely,



Rebecca S. Cobb
Zoning Administrator/Planner

Appendix B: Simulated Illustration and Floor Plan of Community Center

IMAGES INCLUDED FOR ILLUSTRATION PURPOSES ONLY--FINAL FACILITY MAY DIFFER SUBSTANTIALLY

The 20,000 sq. ft. Community Center could offer physical fitness activities, recreation, arts, education and cultural programs. It would contain large dividable assembly rooms, multiple classrooms/breakout room, technology center, business incubator, commercial kitchen and a gymnasium. Final details on the design and footprint and attributes of the Center would be developed by a team of Union Hill residents, ACP/Dominion Energy and county representatives.

(Actual pictures and floor plan of the Life Center, Recreation Unlimited, Ashely, Ohio)



Appendix C: Simulated Illustration of Community Park and Pavilion

IMAGES INCLUDED FOR ILLUSTRATION PURPOSES ONLY--FINAL FACILITY MAY DIFFER SUBSTANTIALLY

The Community Park would include a playground area, pavilion/shelter for outdoor events. The community park would be the ideal place for people and families to gather for community events. The pavilion could serve as a location for any type of gathering including picnics or weddings.

(Actual pictures from Wingfoot Lake State Park, Mogadore, Ohio)



THIS ILLUSTRATION IS INCLUDED SOLELY AS AN EXAMPLE OF WHAT THE PARK AND PAVILLION COULD INCLUDE FINAL DETAILS WOULD BE DETERMINED AT LATER DATE BY THE COMMITTEE AND ACP/DOMINION.