Generator Project Update

April 14, 2026

Town of Richlands Energy Diversification Project

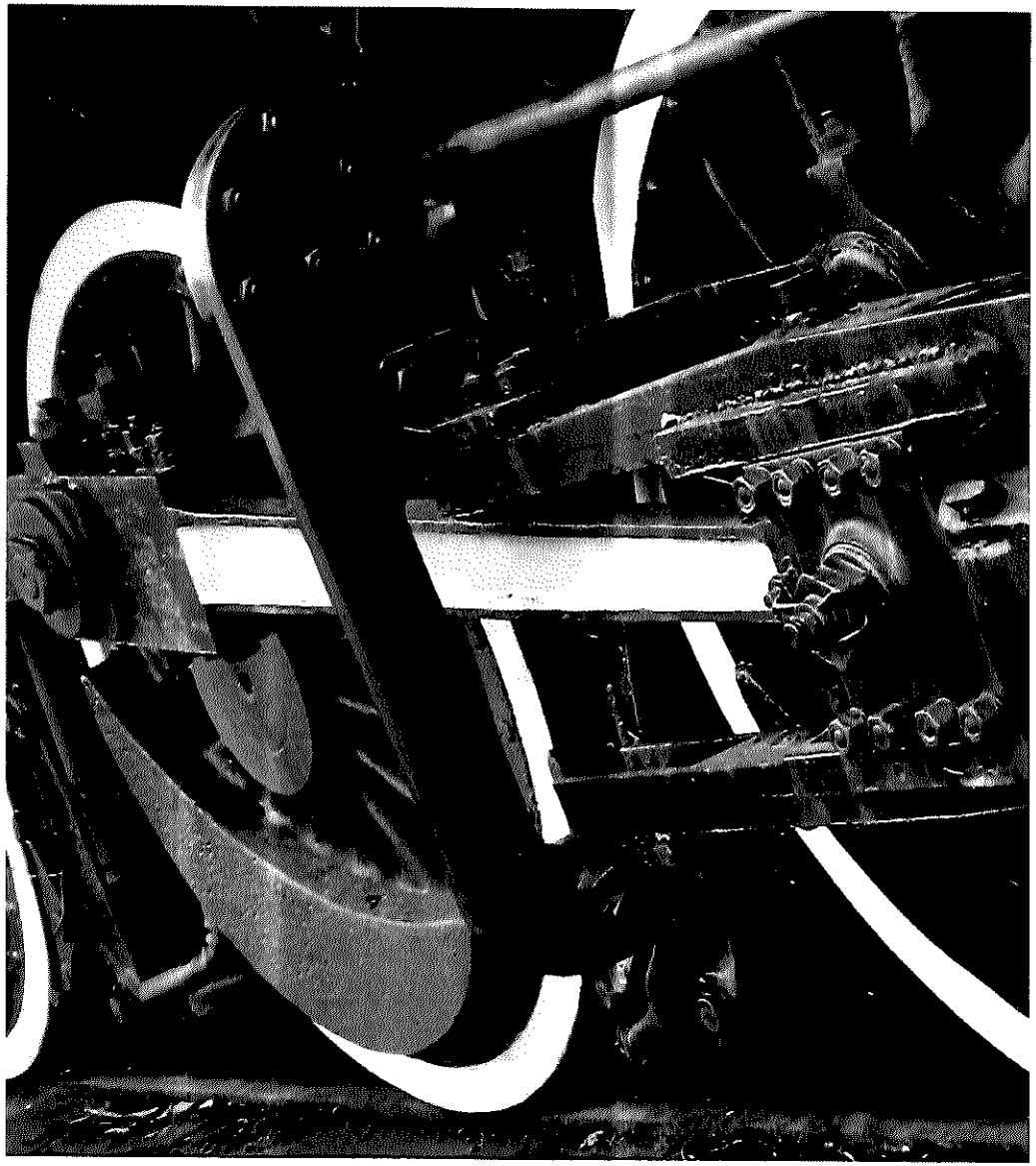
Jason May, MPA

Town Manager

Town of Richlands, VA

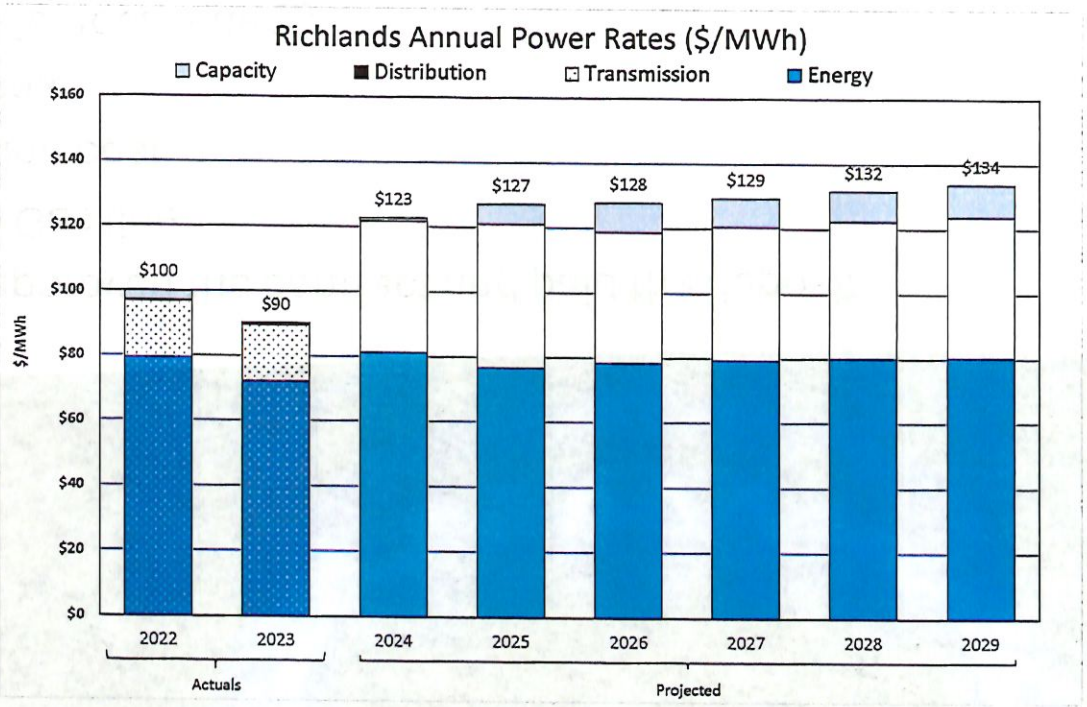
History

- Richlands became an Electric Municipality in 1922
- Self-reliance in SW Virginia
- Pro-active approach to energy
- Energy Assets through American Municipal Power, Blue Ridge Power Agency



Current Situation

- Purchase power at a competitive rate
- Projections of Transmission and Capacity pricing
- Do not want to be beholden to large energy providers
- Island in a sea of big energy



5MW Natural Gas Generator

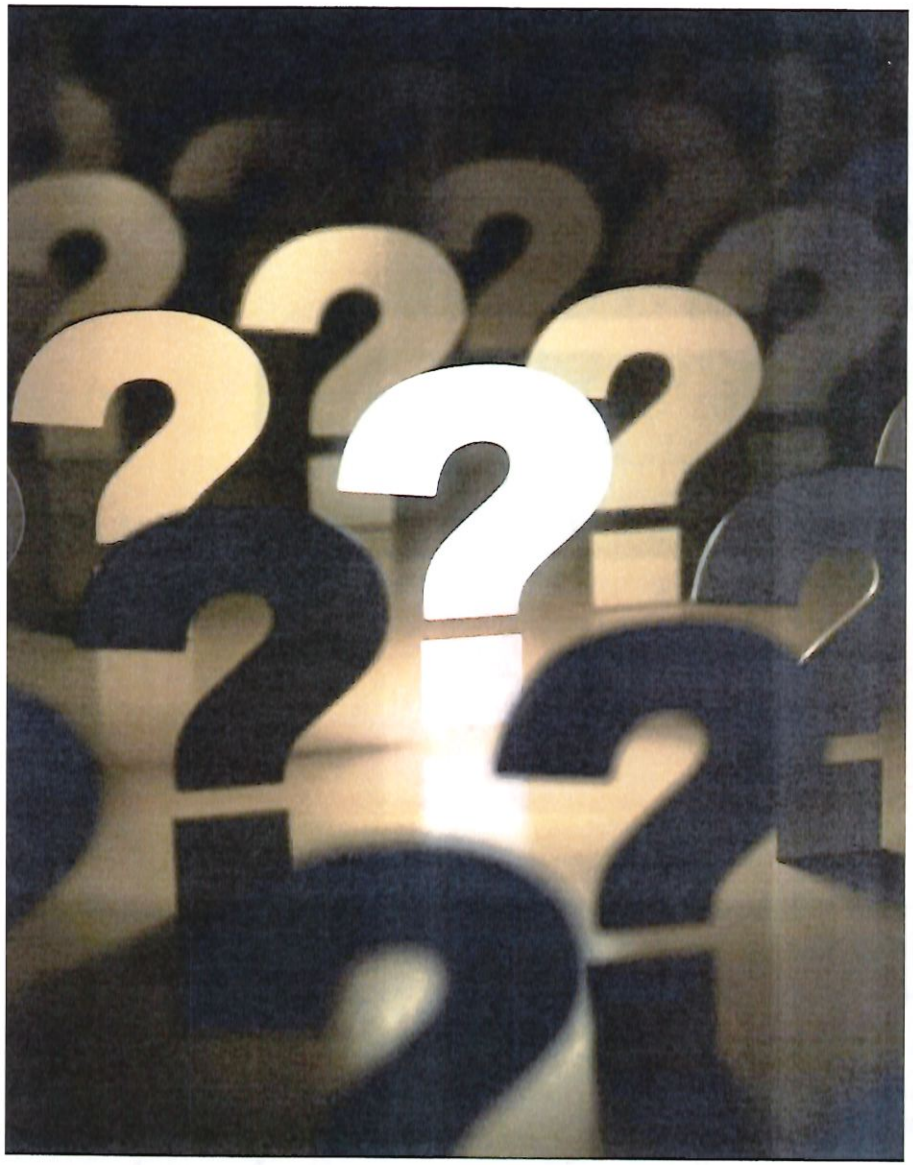
- Council has approved the contract and paid the deposit
- Open-Source Gas line
- No transmission cost
- No capacity cost
- Use local gas for local energy
- Continued Energy self-reliance

Economic Development

Pro-Active approach to energy development

Further builds resiliency of the Gas Infrastructure for region

Sets Richlands on path as the next destination for Industrial, Manufacturing, and Technology development



Questions?

As part of this project, have you thought about incorporating an energy analysis or assessment to all city facilities and structures to reduce energy costs to the whole community as part of a smart grid resiliency effort for this project to reduce the demand we discussed

Thank you for the opportunity to address this important question. The Town of Richlands is indeed very interested in exploring comprehensive energy analysis and assessments in the future. We recognize the potential benefits such assessments could bring to our overall energy strategy and community-wide cost reduction efforts.

However, at this critical juncture, our primary focus must be on the purchase, implementation, and utilization of behind-the-meter energy generation for the town. This priority is driven by the urgent economic pressures we face due to continually increasing transmission and congestion pricing in the energy market. These escalating costs have created a situation where even the most thorough energy analysis or assessment of our current infrastructure would be insufficient to keep costs low for our citizens and businesses in the long term.

The reality is that without addressing the fundamental issue of energy generation and transmission costs, we risk putting our community at a significant economic disadvantage. The proposed behind-the-meter generation project is our most effective strategy to combat these rising costs and provide immediate relief to our residents and businesses.

That being said, we fully appreciate the value of comprehensive energy analysis and smart grid resiliency efforts. As we move forward with this critical generation project, we are keeping the door open for future initiatives that could complement and enhance our energy strategy. Once our behind-the-meter generation is operational and we have stabilized our energy costs, we intend to pursue a thorough energy analysis of all city facilities and structures. This future assessment will be aimed at further reducing energy costs and improving efficiency across our community.

We envision this future analysis as part of a broader smart grid resiliency effort, which could potentially include:

1. Comprehensive energy audits of all municipal buildings
2. Exploration of additional renewable energy sources
3. Implementation of advanced metering infrastructure
4. Development of demand response programs
5. Integration of energy storage solutions
6. These future initiatives will build upon the foundation we're laying with our current project, creating a more resilient, efficient, and cost-effective energy system for Richlands.

In summary, while we are not incorporating a full energy analysis into this specific project, we see it as a crucial next step in our ongoing efforts to optimize our energy usage and costs. Our current focus on behind-the-meter generation is the necessary first step to create the economic stability that will allow us to pursue these additional energy-saving measures in the future.

What impacts to the gas line infrastructure do you anticipate will be incurred and how will it help or impact energy to this region based on baseload requirements

Thank you for the opportunity to elaborate on this crucial aspect of our project. The open-source natural gas pipeline connection is indeed a groundbreaking development for our region, with far-reaching implications for energy diversification and economic growth.

Anticipated Impacts on Gas Line Infrastructure:

1. Pipeline Connection: We anticipate the need for a new high-pressure connection to the existing open-source pipeline. This will require careful engineering and collaboration with pipeline operators to ensure safe and efficient access.
2. Metering Station: A new metering station will be necessary at the point of connection to accurately measure gas flow and ensure proper billing and monitoring.
3. Pressure Regulation: Given the high pressure in the main pipeline, we'll need to install pressure regulation equipment to step down the pressure for local distribution and use in the turbine generator.
4. Local Distribution Network: While initially focused on supplying the turbine generator, we anticipate the need to expand and upgrade the local natural gas distribution network to accommodate potential future industrial and commercial users.
5. Safety and Monitoring Systems: State-of-the-art safety and monitoring systems will be implemented to ensure the integrity of the connection and local distribution network.

Regional Energy Impact:

1. Baseload Requirements: The direct access to the natural gas pipeline will ensure a stable and reliable fuel source for our turbine generator, meeting baseload requirements more efficiently than our current energy procurement methods. This stable baseload will provide a foundation for more consistent and potentially lower energy costs for our community.
2. Energy Diversification: By adding natural gas to our energy mix, we're significantly diversifying our energy portfolio. This reduces our reliance on any single energy source and increases our resilience to market fluctuations and potential supply disruptions.
3. Regional Economic Development: Access to natural gas can be a significant attractor for new industries. Many manufacturing processes require natural gas, and having a direct,

reliable supply could make Richlands and Tazewell County more appealing for industrial development.

4. Future Expansion Potential: While our initial focus is on powering the turbine generator, the infrastructure we're putting in place lays the groundwork for future expansion. This could include:
    - Residential natural gas services for heating and cooking
    - Additional power generation facilities
    - Support for compressed natural gas (CNG) vehicles, potentially including public transportation
5. Energy Security: Direct access to the pipeline enhances our energy security. We'll be less vulnerable to transmission issues or congestion pricing that currently affects our electricity costs.
6. Environmental Considerations: Natural gas, while still a fossil fuel, generally produces lower emissions than coal or oil when used for electricity generation. This could help improve our regional environmental profile, particularly if it displaces more carbon-intensive energy sources.
7. Load Balancing: The ability to generate electricity locally from natural gas can help balance the load on the regional electric grid, potentially reducing transmission congestion and associated costs.
8. Potential for Ancillary Services: With a flexible gas-fired generator, we may be able to provide ancillary services to the grid, such as frequency regulation or spinning reserves, which could provide additional revenue streams for the town.

In conclusion, tapping into the open-source natural gas pipeline represents a transformative opportunity for Richlands and the surrounding region. While there will be significant upfront infrastructure investments, the long-term benefits in terms of energy reliability, cost stability, and economic development potential are substantial. This project not only addresses our immediate needs for affordable, reliable energy but also positions our region for future growth and energy innovation. As we move forward, we'll continue to assess and mitigate any environmental impacts while maximizing the economic and energy security benefits for our community.

ROI/Outcomes appear to be very modest as listed in the table (2 jobs created and no net increase in salary, no private capital investment, no new businesses). The narrative accompanying the outcomes does not appear to match what is in the table, but tells a different story: "With a 3-year revenue projection of approximately $12.37 million and a total request of roughly $6.72 million, this project presents a substantial return on investment for

the TRRC, no matter if the project meets its ultimate intended objective of attracting new businesses to help diversify the Town's coal-reliant economy. Thus, the likelihood of project success is essentially guaranteed." This may be due to more options being needed in the outcomes table

The apparent mismatch between the ROI/outcomes table and the narrative in our application reflects the complex and multi-faceted nature of this project. We acknowledge that this discrepancy may have caused confusion, and we appreciate the opportunity to clarify.

1. Job Creation and Direct Economic Impact: The ROI table in our application focuses on the immediate, direct outcomes of the project, which admittedly appear modest. The two jobs created relate to the operation and maintenance of the new energy infrastructure. While these direct job creation numbers are low, they don't capture the project's full economic potential.

2. Infrastructure for Future Development: This project is indeed atypical in that its primary goal is to create the necessary infrastructure for future economic growth, rather than immediate job creation. By enabling Richlands to offer competitive energy pricing, we're laying the groundwork for attracting future manufacturing, industrial, and high-tech businesses that require reliable, affordable energy.

3. Competitive Positioning: Currently, our inability to compete with surrounding areas like Bristol Virginia Utilities or TVA on energy pricing puts us at a significant disadvantage. This project is crucial for leveling the playing field, allowing us to vie for economic development projects that we're currently unable to attract.

4. Revenue Generation and Cost Reduction: The narrative's mention of a 3-year revenue projection of approximately $12.37 million reflects the town's anticipated ability to generate revenue through energy production and sales. This revenue will help offset the initial capital expenditure and, importantly, allow us to maintain or potentially lower energy costs for our citizens and businesses.

5. Long-term Economic Diversification: While not immediately quantifiable in terms of jobs or new businesses, this project is a critical step in diversifying our coal-reliant economy. It positions us to capitalize on future opportunities in manufacturing, artificial intelligence, and other emerging technologies that require robust, affordable energy infrastructure.

6. Guaranteed Success Metrics: When we state that "the likelihood of project success is essentially guaranteed," we're referring to the project's ability to generate revenue and provide the infrastructure necessary for future growth. The success isn't solely measured in immediate job creation but in positioning Richlands for long-term economic competitiveness.

To address this discrepancy and provide a clearer picture of the project's potential, we propose expanding our outcomes table to include additional metrics such as:

- Projected energy cost savings for current businesses and residents
- Anticipated increase in the town's capacity to attract new businesses (measured in MW of additional capacity)
- Projected revenue generation for the town over 3, 5, and 10-year periods
- Estimated number of potential jobs that could be attracted due to improved energy infrastructure (based on industry standards and regional comparisons)
- Projected increase in property values due to improved infrastructure and economic prospects

We recognize that our initial application may not have fully captured the strategic importance and long-term potential of this project. We're committed to providing a more comprehensive picture of the expected outcomes, balancing both the immediate impacts and the crucial long-term benefits this energy infrastructure project will bring to Richlands and the surrounding region.

Applicant did not utilize TRRC line item budget format or budget summary format to explain which expenses would be covered with TRRC funds vs. local funds. Rather, a cost estimate presentation from a vendor was provided. Proposes to use revenue bonds to provide a portion of the match, which isn't traditional for TRRC. Would need to understand how and when bond proceeds would be received and spent (as TRRC operates its grant program via reimbursement of expenses.)

Thank you for providing this additional information about the town's financial strategy for the project. I'll address the question based on this context:

The Town of Richlands has developed a strategic and flexible financial approach to ensure the successful implementation of this critical energy infrastructure project. Our funding strategy is designed to maximize available resources while minimizing financial risk to the town. Here's a breakdown of our approach:

1. Revenue Bond for Town's Portion: The town is proceeding with a revenue bond to cover its portion of the project costs. This method of financing allows us to leverage future revenue from the energy project to fund its construction, aligning the cost with the benefits over time.
2. Line of Credit for Grant-Funded Portion: To facilitate a smooth project implementation and adhere to the TRRC's reimbursement-based grant structure, we are securing a line of credit. This will allow us to:
    - Initiate and continue project work without delays
    - Cover grant-eligible expenses upfront

    - Submit for reimbursement from TRRC in accordance with their processes
    - Minimize interest costs by only drawing on the line of credit as needed
3. Allocation of TRRC Funds: If the requested $4 million in TRRC funding is provided, it will be specifically allocated towards the purchase of the natural gas generator, which has a total cost of over $8 million. This clear designation of funds ensures transparency and aligns with TRRC's goal of supporting transformative infrastructure.
4. Matching Funds: The remaining portion of the generator's cost (over $4 million) will be matched using the revenue bonds, demonstrating the town's substantial commitment to the project.
5. Additional Grant Funding: Any other grants received will be strategically applied to other crucial aspects of the project, including:
    - Construction of electric lines
    - Necessary environmental studies
    - Development of the generator site

This comprehensive funding approach offers several advantages:

- It allows for immediate project commencement upon approval.
- It provides a clear segregation of grant funds and town funds for accounting and reporting purposes.
- The use of a line of credit for the grant-funded portion minimizes financial strain on the town while ensuring project continuity.
- The revenue bond structure aligns the town's financial commitment with the long-term benefits of the project.
- It demonstrates the town's commitment to the project through significant matching funds.
- The strategy maintains flexibility to incorporate additional grant funding into critical project components.

By utilizing this funding strategy, the Town of Richlands ensures that it can meet TRRC's reimbursement requirements while maintaining project momentum. The nominal cost incurred through the line of credit is a strategic investment to facilitate the timely implementation of this transformative project.

This approach not only satisfies the immediate needs of project financing but also positions the town for long-term financial sustainability as we work to enhance our energy infrastructure and economic competitiveness.

Based on the application TRRC is to assess <u>Applicant's Capacity for Completing Project:</u> Can you provide a high-level outline of the key milestones needed to complete the project. To be more specific, can you provide an example of a similar project you have implemented of this size and budget. That example will provide major milestones and will highlight how each milestone was achieved. Maybe I missed them, but did not see them listed in the application.

Below is a high level outline of key milestones to complete the project and examples of the town managers experience managing large scale projects.

1. Project Initiation and Planning (June - July 2024)
    - Finalize funding arrangements (including TRRC grant and revenue bonds)
    - Establish project team and governance structure
    - Develop detailed project plan and risk management strategy
2. Engineering Analysis and Design (July - December 2024)
    - Complete engineering analysis and field studies
    - Finalize one-line diagrams
    - Conduct geotechnical evaluation and site survey
    - Complete gas generation site detail design
    - Finalize Richlands station detail design
    - Complete 12.47 kV distribution line detail design
3. Procurement Phase (July 2024 - March 2025)
    - Procure Mercury 50 Package
    - Procure generation material
    - Procure station material
    - Procure line material
4. Site Preparation and Construction (February - August 2025)
    - Prepare gas generation site
    - Conduct Richlands station upgrades
    - Begin 12.47 kV distribution line build
5. Equipment Installation (May - August 2025)

    - Mercury 50 Package assembly
    - Mercury 50 Package installation
6. Testing and Commissioning (November 2025)
    - Gas generation brought online
    - Conduct gas generation test and check
    - Perform Richlands station test and check
7. Project Closeout (December 2025)
    - Final inspections and approvals
    - Staff training on new systems
    - Handover of operations and maintenance documentation

Each of these milestones will be achieved through:

- Regular project team meetings and status updates
- Strict adherence to budget and timeline tracking
- Proactive risk management and mitigation strategies
- Continuous stakeholder communication and engagement
- Leveraging relationships with contractors, regulators, and other key parties

My experience managing large-scale projects, including the $50 million baseball stadium, multiple fire stations, a town hall project, and large courthouse projects, has equipped me with the skills to oversee complex, multi-phase initiatives. While those projects differed in nature, they shared similar challenges in terms of coordinating multiple stakeholders, managing large budgets, and adhering to strict timelines.

In my current role as Town Manager of Richlands, I'm responsible for a $21 million annual budget and oversee critical infrastructure including the municipal electric distribution system. This direct experience with utility management, combined with my track record of successful large-scale project delivery, positions me well to lead this crucial energy infrastructure project to successful completion. Further, the Town recognizes the skills, experience, and expertise found within the leadership of TRRC. The Town looks to Jerry Silva and others to assist with this innovative project.

My overall assessment. More detailed budget information that illustrates how and where the funds are divided across the project is needed. Since it would be a revenue generating project for the Town, would you consider a loan as part of this application.

Thank you for the opportunity to address the question about potentially incorporating a loan as part of this application. After careful consideration, I can confidently state that the Town of Richlands would not be interested in pursuing a loan for this project. Here's our rationale:

1. Complex Existing Funding Structure: Our current funding approach already involves a multi-faceted strategy, including the issuance of revenue bonds and securing a line of credit. Adding another loan component would unnecessarily complicate an already intricate financial structure.

2. Simplicity in Financing: Given the scale and complexity of this energy infrastructure project, we believe it's crucial to keep the financing process as straightforward as possible. Introducing an additional loan would add another layer of complexity to our financial management, potentially diverting attention and resources from the core project implementation.

3. Long-term Financial Planning: The current structure, utilizing revenue bonds and a line of credit, aligns well with our long-term financial planning. It allows us to leverage future revenue streams effectively while maintaining financial flexibility.

4. Administrative Efficiency: Managing multiple loan instruments would increase administrative overhead, potentially requiring additional staff time and resources that could be better allocated to project execution.

5. Risk Management: By limiting our financing methods to revenue bonds and a line of credit, we can more effectively manage and mitigate financial risks associated with the project.

6. Focus on Project Execution: Our primary goal is to implement this critical energy infrastructure project efficiently and effectively. We believe that maintaining a simpler financing structure will allow us to focus more intently on project execution and achieving our energy goals for the community.

While we appreciate the suggestion and understand that loans can be beneficial in certain scenarios, especially for revenue-generating projects, we believe our current approach best serves the needs of this particular project and the Town of Richlands. Our focus is on maintaining a balance between securing necessary funding and keeping the financial structure as uncomplicated as possible to ensure smooth project implementation.

We're confident that our proposed funding strategy, combining grant funding, revenue bonds, and a line of credit, provides the optimal balance of financial support and operational simplicity for this transformative project.

Electric Fund | Projected Operating Pro Forma
Without Generator

Amounts in $000s

	Fiscal Year	Budget 2025	Budget 2026	Projected-> 2027	2028	2029	2030
1	Revenue						
2	Electrical Collections	$ 6,800	$ 8,090	$ 9,764	$ 10,080	$ 10,679	$ 10,841
3	Power Cost Adj	350	475	-	-	-	-
4	Other	114	138	138	138	138	138
5	Transfer from Gen Fund	-	1,154	-	-	-	-
6	Total Revenue	$ 7,264	$ 9,857	$ 9,902	$ 10,218	$ 10,817	$ 10,979
7							
8	Expenses						
9	Power Cost (With Generator)(1)	$ 6,150	$ 8,228	$ 8,793	$ 9,095	$ 9,679	$ 9,826
10	Long-Term Service Agreement						
11	Debt Service	-	534	-	-	-	-
12	Personnel Exp	422	430	439	447	456	466
13	Other Op Exp	332	274	279	285	290	296
14	Transfer to Admin/IT Exp (Gen Fund)	360	391	391	391	391	391
15	Total Expenses	$ 7,264	$ 9,857	$ 9,902	$ 10,218	$ 10,817	$ 10,979
16							
17	Collections Increase		$ 1,290	$ 1,674	$ 316	$ 599	$ 162
18	Customer Charge Increase		(116)	(32)	-	-	(29)
19	Energy Increase		$ 1,175	$ 1,642	$ 316	$ 599	$ 133
20							
21	Energy Cost per KWH		$ 0.12411	$ 0.14555	$ 0.17509	$ 0.18076	$ 0.19150
22	Increase Cost per KWH		0.02144	0.02954	0.00567	0.01074	0.00239
23	Total Cost per KWH		$ 0.14555	$ 0.17509	$ 0.18076	$ 0.19150	$ 0.19388
24							
25	Billing Increase per 1000 KWH		$ 21.44	$ 29.54	$ 5.67	$ 10.74	$ 2.39
26	Cumulative Increase per 1,000 KWH		$ 21.44	$ 50.98	$ 56.65	$ 67.39	$ 69.77
27							
28	Average Monthly Energy Cost (1,000 KWH)		$ 145.55	$ 175.09	$ 180.76	$ 191.50	$ 193.88

Budget Source: Town of Richlands

(1) Source: GDS Associates.

Electric Fund | Projected Operating Pro Forma
With Generator

Amounts in $000s

	Fiscal Year	Budget 2025	Budget 2026	Projected -> 2027	2028	2029	2030
1	**Revenue**						
2	Electrical Collections	$ 6,800	$ 8,090	$ 10,624	$ 10,624	$ 10,624	$ 10,710
3	Power Cost Adj	350	475	-	-	-	-
4	Other	114	138	138	138	138	138
5	Transfer from Gen Fund	-	1,154	-	-	-	-
6	**Total Revenue**	$ 7,264	$ 9,857	$ 10,762	$ 10,762	$ 10,762	$ 10,848
7							
8	**Expenses**						
				(526,000)	(1,398,000)	(1,882,000)	(1,902,000)
9	**Power Cost (With Generator)[1]**	$ 6,150	$ 8,228	$ 8,267	$ 7,697	$ 7,797	$ 7,924
10	**Long-Term Service Agreement**	-	-	750	750	750	750
11	**Debt Service[2]**	-	534	637	1,022	1,022	1,022
12	Personnel Exp	422	430	439	447	456	466
13	Other Op Exp	332	274	279	285	290	296
14	Transfer to Admin/IT Exp (Gen Fund)	360	391	391	391	391	391
15	**Total Expenses**	$ 7,264	$ 9,857	$ 10,762	$ 10,592	$ 10,706	$ 10,848
16							
17	**Collections Increase**		$ 1,290	$ 2,534	$ -	$ -	$ 86
18	Customer Charge Increase		(116)	(32)	-	-	(29)
19	Energy Increase		$ 1,175	$ 2,502	$ -	$ -	$ 57
20							
21	Current Energy Cost per KWH		$ 0.12411	$ 0.14555	$ 0.19057	$ 0.19057	$ 0.19057
22	Increase Cost per KWH		0.02144	0.04502	0.00000	0.00000	0.00102
23	Total Cost per KWH		$ 0.14555	$ 0.19057	$ 0.19057	$ 0.19057	$ 0.19159
24							
25	**Billing Increase per 1,000 KWH**		$ 21.44	$ 45.02	$ -	$ -	$ 1.02
26	**Cumulative Increase per 1,000 KWH**		$ 21.44	$ 66.46	$ 66.46	$ 66.46	$ 67.48
27							
28	**Average Monthly Energy Cost (1,000 KWH)**		$ 145.55	$ 190.57	$ 190.57	$ 190.57	$ 191.59

5,709,000 / 4 = 1,427,000 Avg Savings

Budget Source: Town of Richlands

(1) Source: GDS Associates.

(2) Debt Assumptions: $12.3 Million Project financed over 21 years assuming level debt service and a planning interest rate of 5.0%. FY 2027 payment is assumed to be interest only, with full principal and interest beginning in FY 2028.

4.5 MW Generation

Input		Value	Units	Comments
Key Model Variables				
Plant Capacity		4.5	MW	Max Output of Turbine
Heat Rate of Turbine		8,865	BTU/kWh	Gas constumption per kWh
Parasitic Loads		25	kW	Pumps, controls but no compressor
Natural Gas Price	$	4.47	$/MMBTU	
Capacity Charges	$	270.43	$/MWD	1 year lookback
Transmission Charges	$	356.72	$/MWD	Savings start year 2
Fixed Maint Per Year	$	75,000	$/YR	Discussion Item
Variable Maint		0.5	C/kWh	Cents per kWh
Dispatch Margin		7.0	C/kWh	Dispatch when at least this profitable
Minimum Run Length		2.0	Hours	Currently hard coded to '2'
Escalators				
Capacity Charges		12%	$	Ave over Savings Period
Transmission Charges		8%	$	Ave over Savings Period
				Note: LMP will trade in step with gas prices, so the effects are roughly offset

Financial Summary:		
5 Year Savings (AVG. 1,577,718/yr)	$	7,888,593
10 Year Savings	$	20,130,721
Ave Cap&Trans Savings	$	1,387,969
Ave Generation Savings		625,103
Ave Total Annual Savings	$	2,013,072

Selected Plant Data:		
Cost of Generation $/kWh	$	0.0446
Strike Price for Dispatch $/MWH	$	51.63
Hours Dispatched/Yr		2,483
Gas Consumption per Hour (MMBTU)		39.89
Maintenance per hour	$	5.00
Savings per MWH Generated	$	50.03
Plant Efficiency		38%

Key Metrics:	
Percentage of Power Post Generation	
Take-or-pay contracts	63%
Generation	19%
Market Purchases	18%

FEB 2026

Quantum Power Inc

Natural Gas Generator Project Funding

Task	Due Date	Paid Date		Payment Amount	Source
Quantum Power Inc.					
Deposit	7/30/2024	7/30/2024	$	2,178,966	First Bank & Trust Long Term Note
Milestone Payment 1	10/28/2024	10/28/2024		3,050,553	First Bank & Trust Long Term Note: $1,050,553 and TRRC Grant: $2,000,000
Progress Payment 1	11/28/2024	11/28/2024		441,209	First Bank & Trust Long Term Note
Progress Payment 2	12/30/2024	12/30/2024		441,209	First Bank & Trust Long Term Note
Progress Payment 3	1/27/2025	1/27/2025		441,209	First Bank & Trust Long Term Note
Progress Payment 4	2/27/2025	2/27/2025		441,209	First Bank & Trust Long Term Note
Progress Payment 5	3/31/2025	3/31/2025		441,209	First Bank & Trust Long Term Note
Milestone Payment 2	4/29/2025	5/16/2025		3,491,762	First Bank & Trust Long Term Note
Progress Payment 6	5/30/2025	5/28/2025		441,209	First Bank & Trust Long Term Note
Milestone Payment 3	6/30/2025	7/15/2025		877,002	First Bank & Trust Long Term Note
Progress Payment 7	10/31/2025	10/7/2025		67,029	First Bank & Trust Long Term Note
Progress Payment 7	10/31/2025	10/29/2025		36,393	First Bank & Trust Long Term Note: $33,904 and Unrestricted Funds: $2,489
Progress Payment 7	10/31/2025	11/19/2025		337,787	Unrestricted Funds
Progress Payment 8	11/28/2025	11/26/2025		441,209	Unrestricted Funds
Progress Payment 9	12/30/2025			441,209	TBD
Final Payment	1/30/2026			441,209	TBD
Sub-Total			**$**	**14,010,373**	
Enbridge					
Phase 1 Payment	4/3/2025	4/3/2025	$	1,149,500	TRRC Loan
Phase 2 Payment	7/3/2025	7/15/2025		1,149,500	TRRC Loan: $850,500 and First Bank & Trust Long Term Note: $299,000
Sub-Total			**$**	**2,299,000**	
Grants/Loans					
TRRC Grant			$	(2,000,000)	$1,000,000 has been received for achievement of 50% milestone. $1,000,000 is pending milestone achievement.
AMLER Grant				(2,000,000)	Grant has been approved.
VCEDA Grant				(500,000)	This is pending PSA/Cedar Bluff Reconciliations and Amendments and overall good standing.
VCEDA Loan				(500,000)	
Sub-Total			**$**	**(5,000,000)**	
Total Generator			**$**	**11,309,373**	

Quantum Power Inc

Cost Estimate for Richlands Project

	Amount		Labor	Material		L&M	
	Qty	UM	Unit	Unit	Extended	Unit	Extended
Equipment (generation site- outdoor)							
15kV Circuit Breaker, 200A, 40kAw/outdoor control cabinet Including sync-check	2	ea	$14,784	$35,840	$71,680	$50,624	$101,248
15kV Line Voltage Regulator	3	ea	$3,942	$16,800	$50,400	$20,742	$62,227
15kV Cap Switcher	1	ea	$5,914	$24,640	$24,640	$30,554	$30,554
15kV Shunt Capacitor Bank, 7.2MVAR	1	ea	$9,856	$57,792	$57,792	$67,648	$67,648
15kV Dis Switch, hook stick, (fused)	4	ea	$986	$896	$3,584	$1,882	$7,526
15kV Dis Switch, hook stick	9	ea	$986	$448	$4,032	$1,434	$12,902
15kV Ground Resistor	1	ea	$2,957	$5,600	$5,600	$8,557	$8,557
15kV Instrument Transformer	3	ea	$986	$2,016	$6,048	$3,002	$9,005
15kV Station Class MCOV Surge Arrestor	3	ea	$986	$1,008	$3,024	$1,994	$5,981
15kV Station Service Transformer 25kVA	1	ea	$1,971	$3,136	$3,136	$5,107	$5,107
Outdoor Lights 400W HPS or LED	6	ea	$986	$336	$2,016	$1,322	$7,930
Nameplates	3	ea	$123	$17	$50	$140	$420
Equipment Above Grade Grounding	1	ea	$3,548	$444	$444	$3,992	$3,992
Misc. Bus., Fittings, & Jumpers	1	ea	$75,891	$14,928	$14,928	$90,820	$90,820
Total							$413,916
Structures (generation site)							
15kV Switch Stand	3	ea	$1,971	$4,032	$12,096	$6,003	$18,010
15kV OH Feeder Structure	1	ea	$3,696	$8,064	$8,064	$11,760	$11,760
Structures Above Grade Grounding	1	lot	$4,140	$493	$493	$4,632	$4,632
Total							$34,402
Foundations (generation site)							
Generator Pad	1	ea	$118,272	$32,256	$32,256	$150,528	$150,528
Battery Enclosure	1	ea	$1,478	$403	$396	$1,882	$1,882
15kV Circuit Breaker	2	ea	$2,218	$605	$1,080	$2,822	$5,645
15kV Switch Stand/ 3PH Bus Support	3	ea	$2,464	$672	$1,800	$3,136	$9,408
15kV Line Voltage Regulator	1	ea	$2,957	$806	$720	$3,763	$3,763
Feeder Bay Stand	1	ea	$1,478	$403	$360	$1,882	$1,882
Station Service Transformer	1	ea	$1,478	$403	$360	$1,882	$1,882
Total							$174,989
Cable & Conduit							
15kV Cable 750kcmil Cu	840	ft	$9.86	$16.80	$14,112.00	$26.66	$22,391
15kV Cable 2/0 AL - Station Service	600	ft	$4.93	$5.60	$3,360.00	$10.53	$6,317
15kV, 750 kcmil, Termination	12	ea	$1,478.40	$324.80	$3,897.60	$1,803.20	$21,638
15kV, 2/0 Termination	2	ea	$739.20	$324.80	$649.60	$1,064.00	$2,128
UG PVC Conduit 6" - Feeder	200	ft	$17.25	$26.88	$5,376.00	$44.13	$8,826
UG PVC Conduit 2" - Control & Lgts	300	ft	$7.39	$5.60	$1,680.00	$12.99	$3,898
Control Cable Installation	1	lot	$6,899.20	$3,326.40	$3,326.40	$10,225.60	$10,226
Control Cable Terminations	1	lot	$7,145.60	$50.40	$50.40	$7,196.00	$7,196
Testing & Energization Support	1	lot	$12,566.40		$0.00	$12,566.40	$12,566
Power Cable - Station Service	1	lot	$19,712.00	$6,720.00	$6,720.00	$26,432.00	$26,432
Above Ground Raceways	1	lot	$9,856.00	$2,800.00	$2,800.00	$12,656.00	$12,656
Total							$134,273
Control Enclosure							
Battery System, 100 Ahr in Enclosure	2	lot	$11,088	$13,440	$26,880	$24,528	$49,056
Total							$49,056
Site Improvements							
Acess Road, 20' Wide	800	ft	$99	$17	$13,440	$115	$92,288
Site Development and Grading	1	lot	$146,160	$330,680	$330,680	$476,840	$476,840
Grounding, Below Grade	1	lot	$77,302	$21,056	$21,056	$98,358	$98,358
Fence Grounding, Above Grade	1	lot	$3,285	$448	$448	$3,733	$3,733
Fence, 7' w/1' Barbed Wire	1000	ft	$37	$45	$44,800	$82	$81,760
Fence Gate	4	ea	$7,392	$1,344	$5,376	$8,736	$34,944
Finish Surfacing, 6" Crushed Rock	1200	cy	$67	$47	$56,448	$114	$136,282
Total							$924,205
Add Breaker in Richland Substation							
15kV Breaker Foundation	1	ea	$29,568	$2,240	$2,240	$31,808	$31,808
15kV Circuit Breaker, 200A, 40kAw/outdoor control cabinet Including sync-check	2	ea	$22,176	$35,840	$71,680	$58,016	$116,032
15kV Jumpers	6	ea	$246	$112	$672	$358	$2,150
Grounding	1	lot	$739	$56	$56	$795	$795
Testing	1	lot	$9,856	$0	$0	$9,856	$9,856
Mob/Demob	1	lot	$11,200	$0	$0	$11,200	$11,200
Total							$171,842
4.5 Mi Distribution Line							
35/5 Poles	2	ea		$275	$560	$275	$550
40/2 Poles	6	ea		$539	$3,293	$539	$3,234
40/4 Poles	30	ea		$398	$12,166	$398	$11,949
45/1 Poles	2	ea		$734	$1,495	$734	$1,468
45/2 Poles	37	ea		$653	$24,584	$653	$24,145
45/4 Poles	52	ea		$449	$23,758	$449	$23,334

50/2 Poles	52	ea		$727	$38,501	$727	$37,813
55/2 Poles	47	ea		$857	$40,992	$857	$40,260
60/2 Poles	2	ea		$1,007	$2,050	$1,007	$2,013
Anchor PISA 6:2-10 ", 1" TAP	196	ea		$138	$27,460	$138	$26,969
Anchor, PISA Rod 1"x7' Twineye 1.00	195	ea		$74	$14,666	$74	$14,404
PVR Optima, 8.4kV MCOV, 10kV Rated	39	ea		$135	$5,369	$135	$5,273
500MCM COP 2H Lug	96	ea		$20	$1,963	$20	$1,928
Wood Brace 2-11/16X60"	388	ea		$164	$64,776	$164	$63,619
MERLIN 336.4 18/1 ACSR	85462	1000		$1,617	$140,672	$1,617	$138,160
PENGUIN 4/0 6/1 ACSR	21782	1000		$1,288	$28,565	$1,288	$28,055
4/0-2/0-4/0-BELMONT-AL-1500R CIC	5014	1000		$6,743	$34,426	$6,743	$33,812
4/0 to 3H Tap Conn	750	ea		$8	$6,006	$8	$5,899
500 to 500 H Tap Con	250	ea		$12	$3,035	$12	$2,981
4/0 To 1" Splice	300	ea		$13	$4,103	$13	$4,029
Cutout, STD 15KV 110 BIL 100A	41	ea		$186	$7,767	$186	$7,629
Cutout, STD 15KV 110 BIL 200A	12	ea		$227	$2,769	$227	$2,720
Bracket, Cutout/ARR Extended	82	ea		$30	$2,477	$30	$2,433
HLSO STR STRN CLP AL .025-.88	520	ea		$46	$24,298	$46	$23,864
Bolted Deadend Clamp	42	ea		$50	$2,124	$50	$2,086
Threaded Rod, 5/8" X 22"	648	ea		$13	$8,448	$13	$8,297
4 AWG CU Riser Wire 170'	510	100		$7	$3,730	$7	$3,663
Extension Link 14" FE	107	ea		$23	$2,472	$23	$2,428
Eyenut, Standard 5/8"	460	ea		$6	$2,942	$6	$2,889
5/8" X 8' CU Ground Rod non-thrd	190	ea		$25	$4,824	$25	$4,738
Guy Strain 15K 1/2" ROD C_T	209	ea		$73	$15,473	$73	$15,196
Square Head Bolt 5/8 X 14"	341	ea		$11	$3,663	$11	$3,597
Galv Big Grip Deadend - 7W	702	ea		$29	$20,505	$29	$20,139
Guy Attachment, Pole-eye plate	191	ea		$18	$3,560	$18	$3,496
Yellow guy marker 8'	310	ea		$6	$1,989	$6	$1,954
CLS A7STR 6000' REEL A363	16795	1000		$1,477	$25,252	$1,477	$24,801
PDI-15/DS15 ESP 15kV C/T	416	ea		$26	$11,159	$26	$10,960
Poly Pin 25kV 55-5 F-Neck Ins	347	ea		$14	$5,111	$14	$5,019
15kV Pin Ins C-Neck 55-3	449	ea		$8	$3,586	$8	$3,522
5/8" Hex Locknut	4429	ea		$1	$2,877	$1	$2,826
Square Head Bolt 5/8 X 14"	499	ea		$11	$5,360	$11	$5,264
Bolt, Carriage, Sq Neck 1/2" x 6"	767	ea		$3	$2,543	$3	$2,497
Pin, Insulator, Crossarm, 1" Nylon	715	ea		$14	$10,074	$14	$9,894
Pin, Pole Top, 1" Nylon Thd, 20"	68	ea		$23	$1,622	$23	$1,593
4 Sol SD BRE CU-ODD	5015	1000		$1,244	$6,350	$1,244	$6,236
Seamless Weld 316L Stainless Pipe 2" SCH80	60	ea		$59	$3,625	$59	$3,561
CU TP Bail Cond SZ 2	100	ea		$19	$1,954	$19	$1,920
Switch, M3D 15kV 110 BIL 900A	24	ea		$550	$13,439	$550	$13,199
Comp Lug	50	ea		$23	$1,151	$23	$1,130
15kV 2 Termination	12	ea		$135	$1,651	$135	$1,621
F-Neck Dist Tie 336.4	289	ea		$10	$2,871	$10	$2,820
C F-Neck Dbl Side Tie 336.4	150	ea		$16	$2,468	$16	$2,424
Washer, Sq Flat, 5/8", 21/4"	3500	ea		$1	$3,750	$1	$3,683
5/8" Sq Curved Washer	950	ea		$3	$2,809	$3	$2,759
4 3/4" x 5 3/4" x 10' REA Crossarm	220	ea		$247	$55,364	$247	$54,375
3 3/4" x 4 3/4" x 8' REA Crossarm	75	ea		$142	$10,872	$142	$10,678
3 3/4" x 4 3/4" x 8' REA Crossarm	150	ea		$163	$24,827	$163	$24,384
MISC	1000	ea		$24	$24,106	$24	$23,675
Dig & Set Poles	230	ea	$8,000	$0	$0	$8,000	$1,840,000
ROW Clearing	1.8	mi	$96,589	$0	$0	$96,589	$173,860
Access Roads	2	mi	$12,320	$11,000	$22,400	$23,320	$46,640
Rock Holes	100	ea	$988	$11	$1,120	$997	$99,660
Traffic Control	12	lot	$20,000	$0	$0	$20,000	$240,000
Mob/Demob	1	lot	$94,946	$0	$0	$94,946	$94,946
Total							$3,288,972
Testing & Energization							
Physical Checkout	1	lot	$3,304	$0	$0	$3,304	$3,304
Wiring Check	1	lot	$6,608	$0	$0	$6,608	$6,608
Circuit Breaker	1	ea	$13,216	$0	$0	$13,216	$13,216
Cap Bank	1	ea	$13,216	$0	$0	$13,216	$13,216
Cap Switcher	1	ea	$1,322	$0	$0	$1,322	$1,322
Grounding	1	lot	$6,608	$0	$0	$6,608	$6,608
Current Transformers	12	ea	$330	$0	$0	$330	$3,965
Potential Transformers	3	ea	$661	$0	$0	$661	$1,982
Battery System	1	ea	$3,965	$0	$0	$3,965	$3,965
Mob/Demob & Equipment	1	lot	$13,216	$0	$0	$13,216	$13,216
Total							$67,402
Miscellaneous							
Contractor Mob/Demob	1	lot	$98,560	$0	$0	$98,560	$98,560
Est. Remaining Engineering	1	lot	$650,000	$0	$0	$650,000	$650,000
NG Regulator Station	1	lot	$75,000	$375,000	$375,000	$450,000	$450,000
Road Construction	4	Mi	$75,000	$50,000	$200,000	$125,000	$500,000
Contingency	1	lot					$600,000
Total							$2,298,560
Grand Total							$7,557,616

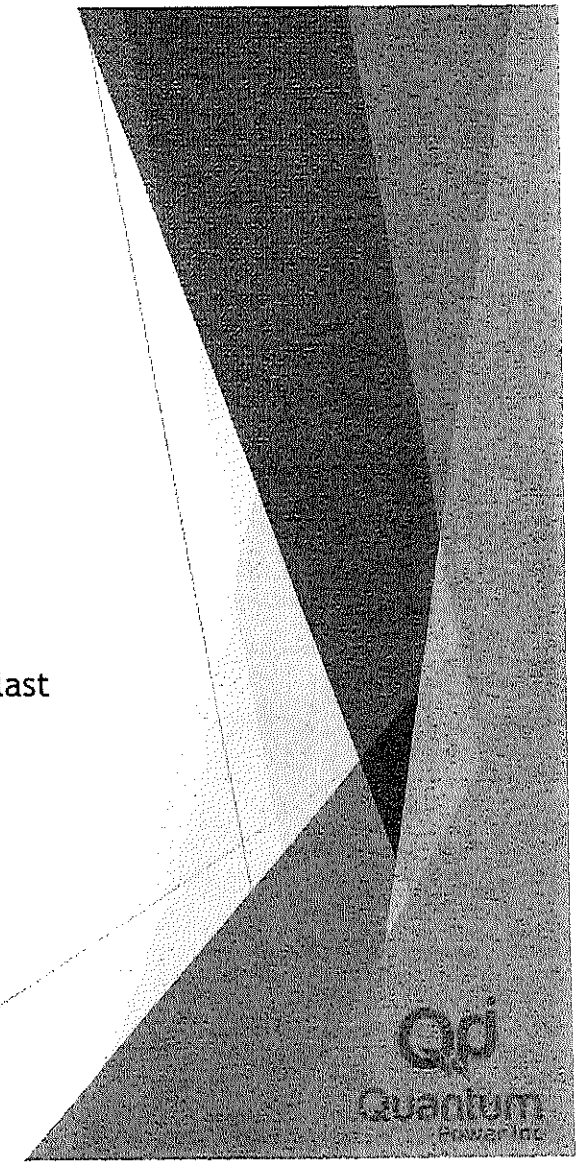
Natural Gas Generator Project
Quantum Budget Variance

Description	3/18/2026 Updated Budget	9/26/2024 Original Budget	Variance Help (Hurt)	Comments
Outdoor Equipment - Generator Site	$413,916	$269,000	($144,916)	
Structures - Generator Site	34,402	32,000	(2,402)	
Foundations - Generator Site	174,989	157,000	(17,989)	
Cable & Conduit	134,273	132,000	(2,273)	
Control Enclosure	49,056	22,000	(27,056)	
Site Improvements	924,205	236,000	(688,205)	
Add Breaker in Richlands' Substation	171,842	102,000	(69,842)	
4.5 Mile Distribution Line	3,288,972	1,945,000	(1,343,972)	
Testing and Energization	67,402	61,000	(6,402)	
Contractor Mob/Demob	98,560	88,000	(10,560)	
Estimated Remaining Engineering	650,000	650,000	0	
NG Regulator Station	450,000	0	(450,000)	
Road Construction	500,000	600,000	100,000	
Contingency	600,000	1,000,502	400,502	
Total	$7,557,617	$5,294,502	($2,263,115)	

6% Year over Year Inflation
Waiting on Final Bid of Equipment,

Critical Town of Richlands Milestones

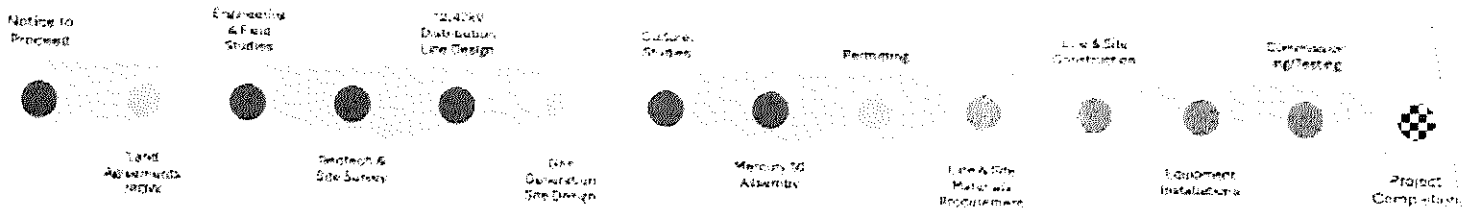
- Blackstone agreement to protect Gensite engineering efforts
- Execute natural gas contract with CNX based on economic dispatch usages
- Complete AMLER vetting process to secure $2MM Grant
  - Previous submittal was not fully accepted and 2025 application process started last year)
- Complete Enbridge Interconnection (Estimated Sept. 2027)
- Find/Assign grid operator (i.e. AMP) to manage the economic dispatch of Mercury 50 after commissioning



Town of Richlands – Power Generation Capacity Project

Visual Progress Timeline

$ 9.951MM Spent to Date



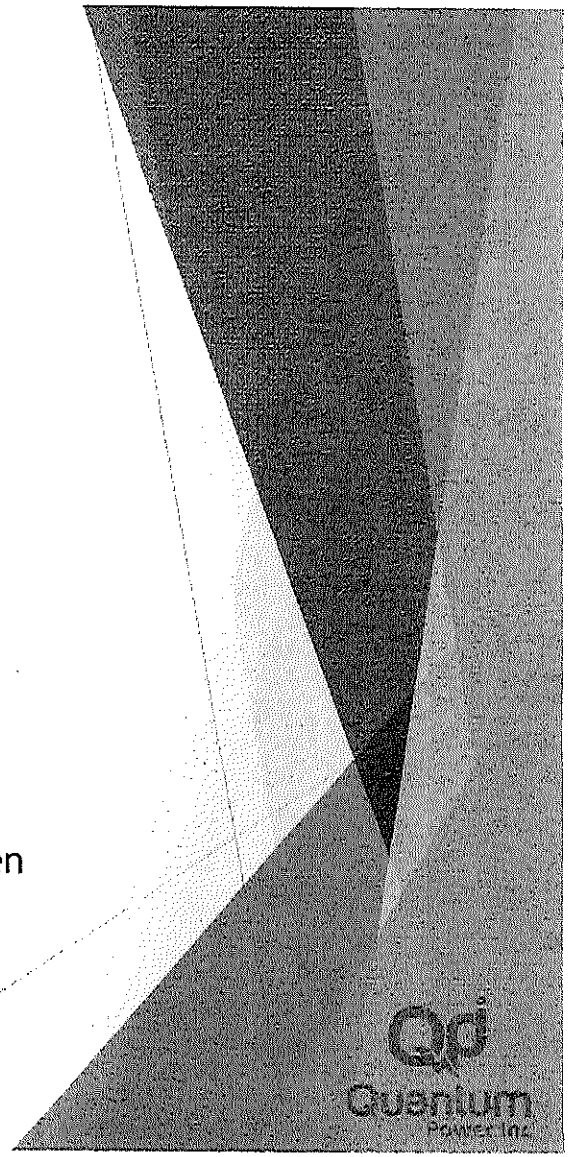
Legend:

- 100% Complete
- 75-99% Complete
- 50-75% Complete
- <50% Complete
- Not Yet Started

Estimated Cost to Complete $ 7.5MM
(Subject to Final Engineering & Environmental Review)

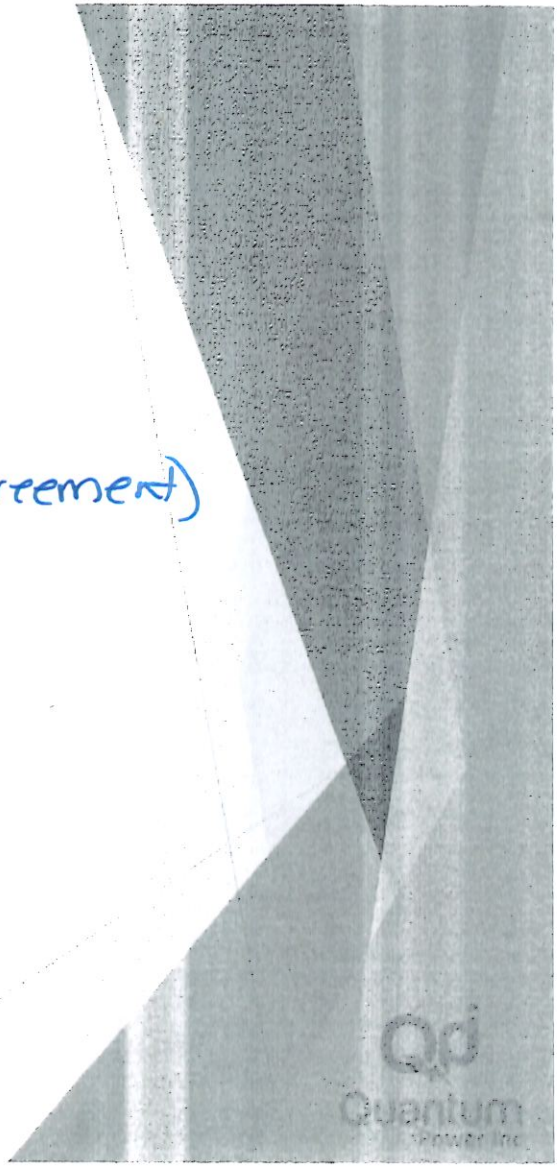
Important Dates

- Virginia Joint Application Submittal (Environmental Permits)
  - April submittal
  - November approval
- Timber Clearing Window (A once per year opportunity to clear large timber along the line route)
  - November - March
- Enbridge Hot Tap Service Outage (A once a year service outage window when the interstate pipeline can't be worked on)
  - October - April



Progress Updates

- CNX permit agreement completion (signed and paid)
- Blackstone agreement still in early phase discussions
  IN Process (KMZ File Overlay, Need for Written Agreement)
  - Map and prelim term sheet sent, waiting on final draft document to be signed
- AMLER project vetting documentation sent for review to VA Dept. of Energy
  Received Approval
- Grading plan review underway, final steps to SWPPP submittal



Goodwin Hollow
Calculations
3/26/2026

- Coal volume for the Project Area:

Cubic Feet	**1,963,246**	Total
	451,026	Discounted Amount
	1,512,220	Remaining

- Multiplying the Remaining volume by the density of 80 pounds per cubic foot yields:

Tons	**67,294**

- Sales Contract Calculations subjected to Quality Adjustments:

Base Price	$	30.00
Adj. Formula	(7009-5000)/5000*30	
Adjustment	$	12.05
Price per Ton	**$**	**42.05**

- Net less the operational expenses:

Price per Ton	$	42.05
Production:	$	5.00
Trucking	$	10.00
Net	**$**	**27.05**

- Loss applied to the impacted tons:

Total	**$ 1,820,566.68**

Outlook

Richlands Generator

From Kenneth Dunford <kenneth.dunford@tazewellcounty.org>
Date Wed 2026-04-08 10:05 AM
To Town Manager <townmanager@richlands-va.gov>

You don't often get email from kenneth.dunford@tazewellcounty.org. Learn why this is important

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Mr. Marr
My name is Kenneth Dunford and I am the Director of Engineering for Tazewell County. I wanted to give you a heads up that Quantum Power and WSP submitted an Erosion and Sediment control plan for the Richland Generator Site and the distribution lines so they could be placed on the Planning Commission agenda. I reviewed the plans and after several conversations with them they told me the plans were only preliminary and incomplete. I sent them my comments and informed them that since the plans weren't complete, we could not place them on the agenda for tomorrow night's Planning Commission meeting. Once they send me the complete set of plans, I can review them and place them on the next appropriate agenda. If you have any questions please let me know.

Thank You
Kenneth Dunford Jr.
Director of Engineering
135 Court ST

3rd Floor Suite 318

Tazewell VA 24651

Office (276)385-1254
www.tazewellcounty.org

4/9 Response By Quantum - Zack Romano

- Submitted Original items listed on website FOR Submittal
- Additional items requested by Tazewell Co. Director of Engineering, Engineers a finalizing additional submittals
- MOVED to MAY meeting, NO impact a project timeline, will run concurrent State permit submittals which are anticipated to take longer (6 months)

Delivery of Generator Items 4/14/2026 thru 4/27/2026

Generator and All Indoor Items – Will be stored at the Police Department for Security Purposes

All outdoor items – will be stored in the lay down yard on Iron Street, Security Technology is being installed for monitoring during the project.

Attached list of items received – follows:

4K541 RICHLND - MERCURY 50 PL SUMMARY

	BOX NO.	DESCRIPTION	GROSS WEIGHT POUNDS	NET WEIGHT POUNDS	DIMENSIONS IN INCHES L x W x H	CUBIC	STORAGE
SOLAR KM	SKID 1	2-4K591 MERCURY 50 GENERATOR SET	108,920	96,640	465 x 138 x 167	6,201.61	OUTDOOR
SOLAR KM	2	1108360-101 VENTILATION SYS,EXHAUST	290	90	56 x 56 x 16	29.04	OUTDOOR
SOLAR KM	3	1105917-101 DUCT,ORIFICE,VENT,42 DIA 1106361-102 DAMPER,VENT,PNEUMATIC,36X36 1106362-103 DAMPER,VENT,PNEUMATIC,42X42 1106402-101 DUCT,LOUVER,VENT,36X36 1107658-100 DAMPER,VENT,MANUAL,36X36	944	574	99 x 52 x 46	137.04	OUTDOOR
SOLAR KM	4	1530965-300 HOIST,1 TON 1740543-300 HOIST,5 TON 1743193-300 HOIST,5 TON	1,500	1,130	99 x 52 x 46	137.04	OUTDOOR
SOLAR KM	5	FT29600-104 TOOL,LIFT,BRACKET,ENGINE,M50	480	300	75 x 30 x 16	20.83	OUTDOOR
SOLAR KM	6	FT29100-102 TOOL,LIFT,BRACKET,ENG,M50	480	300	32 x 32 x 34	20.15	OUTDOOR
SOLAR KM	7	FT29611-101 TOOL,UPCOMER SUPPORT	300	200	44 x 32 x 26	21.19	OUTDOOR
SOLAR KM	8	1060676-101 STRUCTURE,EXHAUST,UP	1,440	740	115 x 93 x 15	92.84	OUTDOOR
SOLAR KM	9	1063640-102 BRACKET,EXHAUST STACK	1,780	1,080	95 x 95 x 42	219.36	OUTDOOR
SOLAR KM	10	190377-3006 CONTACTOR,MOTOR STARTER,DC,120	136	76	43 x 23 x 18	10.30	INDOOR
SOLAR KM	11	1109521-200 CONVERTER,POWER 1308818-1800 DRIVE,VAR FREQ,200 HP,380-480 1308818-600 DRIVE,VAR FREQ,10 HP,380-480	462	242	81 x 41 x 29	55.73	INDOOR
SOLAR KM	12	301314-702 COUPLING ASSY,GEARBOX,SHEAR	554	414	47 x 47 x 36	46.02	INDOOR
SOLAR KM	13	LOOSE SHIP	1,300	930	99 x 52 x 46	137.04	INDOOR
SOLAR KM	1H	1053073 PAINT,SOLAR GRAY,1 GAL	36	16	18 x 13 x 14	1.90	INDOOR
SOLAR KM	2H	1067185-200 KIT,PAINT,GRAY	60	25	23 x 23 x 18	5.51	INDOOR
SOLAR KM	3H	1059643 KIT,CALIBRATION,METHANE	40	15	23 x 18 x 14	3.35	INDOOR
SOLAR KM	IR2600008	P/N: 1063104-100 BRACKET,DEMISTER,MOUNTING	280	205	43 x 23 x 27	15.45	OUTDOOR
GFM	01G	SOLAR P/N: 4K541-154765 COOLER,AIR TO OIL S/N: 243311A	4,398	3,173	114 x 70 x 99	457.19	OUTDOOR

GFM	02G	PART OF SOLAR P/N: 4K541-154765 PART OF COOLER,AIR TO OIL CONSISTING OF: 1-EA - SNOW HOOD 1-EA - OP ROD 1-EA - BUCKET OF BOLTS 4-EA - SNOW HOOD LEGS 8-EA - SNOW HOOD LEG BRACES	1,972	950	144	88	42	308.00	OUTDOOR
GFM	03G	SOLAR P/N: 1105659-300 SILENCER,VENT,SPLTR,48X88,30 S/N: 1072657-2-25-1	1,600	855	104	65	48	187.78	OUTDOOR
GFM	04G	SOLAR P/N: 1090139-4D801 BELLOWS ASSY,EXHAUST S/N: 36352-A001	1,638	976	78	78	60	211.25	OUTDOOR
GFM	05G	SOLAR P/N: 2429431-1500 BATTERIES,	1,914	1,592	56	48	38	59.11	INDOOR
GFM	06G	SOLAR P/N: 1105587-101 SCREEN,ENCLOSURE VENTILATION	118	50	46	46	10	12.25	OUTDOOR
GFM	07G	SOLAR P/N: 1652863-100 DUCT,VENT,TRNSN,42 DIA,48X48	207	82	57	57	10	18.80	OUTDOOR
GFM	08G	SOLAR P/N: 1652863-200 DUCT,VENT,TRNSN,48X48,42 DIA	207	82	57	57	10	18.80	OUTDOOR
GFM	09G	SOLAR P/N: 1030923-401 DEMISTER,OIL S/N: 50930C	668	300	114	28	30	55.42	OUTDOOR
GFM	10G	SOLAR P/N: 2732529-500 (CASE 1008) P/N: AL8339901-P038509TTD 64, W/HEATERS, 42X42 OUTLET, NEMA 7, 115/230 VAC, TRANS, 26" SSW ELEMENTS, CS	9,060	6,159	273	102	111	1,788.72	OUTDOOR
GFM	11G	SOLAR P/N: 2336512-4000 KIT,ANCL,ELEM,E12 ERGO FIT,AIR INSTALLED ONTO P/N: 2468809-700 (CASE 1007) P/N: AL9751681TTE 48 STD (GEN 3), 48" X 72" OUTLET, NEMA 7, EF, CS	7,185	6,029	176	116	104	1,228.74	OUTDOOR
GFM	12G	SOLAR P/N: 1827026-100 (CASE 1001) P/N: AL8693201SILENCER, DONASONIC, CS, 48" X 72", WIDE FLANGE ON ONE END, 36.00" LONG (GEN 2)	1,648	1,185	92	48	70	178.89	OUTDOOR
GFM	13G	SOLAR P/N: 2027217-102 (CASE 1006) P/N: AY1133001FLEXIBLE DUCT, 48" X 72", 12.00" LONG, CS, ENGINEERING DRAWING	1,282	665	112	36	76	177.33	OUTDOOR
GFM	14G	SOLAR P/N: 1074186-101 (CASE 1002) P/N: AY1132901INLET ELBOW, 48" X 72" TO 72" X 48", CS, CL HT 36", W/ SUPPORTS, PROCUREMENT DRAWING	2,146	1,425	102	94	74	410.60	OUTDOOR

GFM	15G	SOLAR P/N: 1091966-101 (CASE 1003) P/N: AY0854501INLET DUCT, 48" X 72", 36.00 LONG, CS, PROCUREMENT DRAWING	1,038	605	84	44	69	147.58	OUTDOOR
GFM	16G	SOLAR P/N: 1091968-101 (CASE 1005) P/N: AY0854701INLET DUCT, 48" X 72", 36.00 LONG, CS, W/ ACCESS H, PROCUREMENT DRAWING	1,038	605	84	44	69	147.58	OUTDOOR
GFM	17G	SOLAR P/N: 1091966-201 (CASE 1004) P/N: AY0854601INLET DUCT, 48" X 72", 48.00 LONG, CS, PROCUREMENT DRAWING	1,320	750	84	56	69	187.83	OUTDOOR
GFM	18G	SOLAR P/N: 2429431-2500 RACK,BATTERY,2-TIER,120 V,VRLA	362	186	81	23	16	17.25	INDOOR
GFM	19G	SOLAR P/N: 1105589-100 SCREEN,ENCLOSURE VENTILATION	170	74	58	58	10	19.47	OUTDOOR
GFM	20G	SOLAR P/N: 1105571-300 DUCT,VENT,STRAIGHT,48X48,12 IN	382	120	58	58	23	44.78	OUTDOOR
GFM	21G	SOLAR P/N: 1105669-100 DUCT,VENT,TRNSN,48X48,48X88	714	200	102	62	29	106.13	OUTDOOR
GFM	22G	SOLAR P/N: 1105669-100 DUCT,VENT,TRNSN,48X48,48X88	714	200	102	62	29	106.13	OUTDOOR
GFM	23G	SOLAR P/N: 1105666-100 DUCT,VENT,TRNSN,48X48,42X42	706	260	60	60	56	116.67	OUTDOOR
GFM	24G	SOLAR P/N: 1060367-400 CHARGER,BATTERY,120 VDC,1 PH S/N: 1125217	562	286	52	42	38	48.03	INDOOR
GFM	25G	SOLAR P/N: 1063574-102 KIT,HANDLING,ENG RMVL S/N: 2772-18259	1,164	680	96	82	32	145.78	OUTDOOR
GFM	26G	SOLAR P/N: 1063574-102 KIT,HANDLING,ENG RMVL S/N: 2772-18260	1,164	680	96	82	32	145.78	OUTDOOR
GFM	27G	PART OF SOLAR P/N: 1063574-102 PART OF KIT,HANDLING,ENG RMVL S/N: 2772-18260	1,164	680	96	82	32	145.78	OUTDOOR
GFM	28G	PART OF SOLAR P/N: 1063574-102 PART OF KIT,HANDLING,ENG RMVL S/N: 2772-18259	1,164	680	96	82	32	145.78	OUTDOOR
GFM	29G	PART OF SOLAR P/N: 1063574-102 PART OF KIT,HANDLING,ENG RMVL BEAM ASSEMBLY S/N: 2772-18259	896	605	206	18	16	34.33	OUTDOOR
GFM	30G	PART OF SOLAR P/N: 1063574-102 PART OF KIT,HANDLING,ENG RMVL BEAM ASSEMBLY S/N: 2772-18260	896	605	206	18	16	34.33	OUTDOOR
GFM	31G	SOLAR P/N: 1109174-1100 FAN,VENT,460 VAC,40 HP,42 DIA S/N: 25-659021	1,784	1,376	60	52	64	115.56	INDOOR

GFM	32G	SOLAR P/N: 1105581-100 DUCT,ELBOW,VENT,90DEG,48X48	710	2	62	60	62	133.47	OUTDOOR
GFM	33G	SOLAR P/N: 1105571-700 DUCT,VENT,STRAIGHT,48X48,60 IN	790	295	60	60	71	147.92	OUTDOOR
GFM	34G	SOLAR P/N: 1105656-300 SILENCER,VENTSPLTR,36X36	440	165	52	48	50	72.22	OUTDOOR
GFM	35G	SOLAR P/N: 1592625-2750 CABINET ASSY,FIRE,CO2	2,128	1,548	108	40	96	240.00	INDOOR
GFM	36G	SOLAR P/N: 1044396-702 FAN,VENT,460 VAC,7.5 HP,42X42	800	410	60	54	42	78.75	INDOOR
GFM	37G	SOLAR P/N: 1107423-300 SILENCER,VENT,SPLTR,48X48	678	295	64	60	66	146.67	OUTDOOR
GFM	38G	SOLAR P/N: 2027217-102 (CASE 1001) P/N: AY1133001FLEXIBLE DUCT,INLET, 48" X 72", 12.00" LONG, CS, ENGINEERING DRAWING	1,348	668	113	36	83	195.40	OUTDOOR
GFM	01GH	SOLAR P/N: 954290C1 CYLINDER,CO2,FULL,100 LBS-MASS S/N: KF297102AA, KF297223AA, KF297174AA, KF297130AA, KF297267AA	1,946	1,546	78	48	38	82.33	INDOOR
GFM	SP-0001	SPARE PARTS	1,225	778	56	56	59	107.07	INDOOR