



RAMBOLL

PREPARED FOR
West Virginia Department of
Environmental Protection

January 7, 2025



West Virginia Department of Environmental Protection

Methane Emission Reduction Program (MERP) Administrator
Cost Proposal
CRFP 0313 DEP2500000004
WVDEP CRFP 25*04

Antea®Group

*Understanding today.
Improving tomorrow.*

PREPARED BY

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A handwritten signature in black ink, reading "Troy S. Bernal".

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West Virginia Department of Environmental Protection

Methane Emission Reduction Program (MERP) Administrator Cost Proposal

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*WVDEP CRFP 25*04*

1.0 COST PROPOSAL

Antea®Group (Antea Group) and Ramboll Americas Engineering Solutions, Inc.(Ramboll) (herein after referred to as “project team”) is pleased to submit this cost proposal to provide support to the West Virginia Department Environmental Protection (WVDEP) as an administrator of the Methane Emissions and Waste Reduction Incentive Program for Petroleum and Natural Gas Systems (MERP) as described in the technical proposal for MERP administrator services. The proposal price sheet is presented in **Appendix A**. An overview of the budget is shown below.

Task	Description	Estimates Quantity	Unit of Measure	Unit Cost/EA	Estimated Cost
1	Well Nomination Prioritization*	1000	HOUR	\$189.60	\$189,602.17
2	Methane Emission Quantification (MEQ) Testing (Per Well)	800	EACH	\$1,731.00	\$1,384,829.37
3	Permitting (report per well)	400	EACH	\$3569.00	\$1,427,758.70
Total		-	-	-	\$3,002,190.25

*We estimate that this task will exceed the estimated 1000 units.

Antea Group understands the State of West Virginia requirements for vendor insurance and shall provide certificates of insurance verifying each type of coverage required upon award of the project.

2.0 ASSUMPTIONS

Assumptions included in the cost estimate include the following:

Task 1: Well Nomination Prioritization

- Assumes nomination letters will be distributed to no more than 1,400 well owners/operators and community groups.
- Assumes WVDEP will provide the project team with the names and mailing addresses of all MCW owners and operators.
- Assumes well owners/operators will respond in a timely fashion in accordance with WVDEP project schedule.
- Manual entry of nomination data is not required.
- Required GIS data (e.g., Community water intakes, water wells, etc.) will be provided by WVDEP in digital format (e.g., Excel, shapefile, geodatabases, feature services, DWGs, etc.).
- Both WVDEP, Antea Group and Ramboll have existing ArcGIS Online Licensing which do not require the purchase of additional user seats to the online project delivery portal. However, if needed additional user seats can be purchased for an additional fee.

- Costs do not account for troubleshooting time associated with changes by Esri to their platform.
- All meetings between internal teams will be virtual.
- Well identification information including API No, GPS coordinates, or any relevant WVDEP available data will be provided to assist with prioritization of each well site.
- Costs for the nomination process are inclusive of project management, scheduling, coordination, stakeholder communication, meetings, etc..

Task 2: Methane Emission Quantification (MEQ) Testing (Per Well)

- Estimated costs were prepared assuming post-plugging MEQ field campaigns will be assessed and measured in groups of 20 or more.
- Costs assume one project team field person who is experienced in field methane emission data collection will collect the measurements per well.
- Costs have not been included for additional field personnel if it's determined after consulting with WVDEP that lone worker policy cannot be implemented.
- Costs are included for duplicate measurements (5%) for Quality Assurance and Quality Control parameters.
- Inaccessible wells due to locked gates, road conditions, etc. will be assessed at a later date with additional mobilization costs.
- Assumes approximately four wells per day for mobilization, screening, methane quantification and demobilization.
- Pricing provided in proposal is based on 400 wells which require pre- and post-plugging methane quantification.
- Cost has not been included to transverse extremely difficult terrain to access well site locations (i.e., large creek crossing, steep climbing, etc.).
- Estimated costs do not include standby time for weather delays or other circumstances beyond the project teams control (including landowner access issues) and may require additional costs.
- Costs are included in **Task 2** for reporting MEQ data.
- Public website and Project Dashboard data publishing and maintenance for four years.
- Our costs are based on field staff personnel wearing appropriate PPE for the scope of work (Level D as defined by OSHA-HAZWOPER).
- Categorization criteria established by the CBC is contained within PRIMO as available categorization matrix.
- No other additional software is required in order to categorize wells.
- Estimated costs were prepared assuming four wells can be evaluated per day during field campaigns.

Task 3: Permitting

- Pricing provided in proposal is for 400 wells.

3.0 CLOSING

Thank you for the opportunity to provide this proposal to support WVDEP. We believe that by collaborating with our clients we can design the service approach and deliverables that best meet their needs. Should you desire any changes or modifications to this proposal, please contact us; we strive to ensure our service approach is the most successful option.

Our client relationships are very important to us, and we aim to provide you with the highest quality of service and prompt response to your EHS needs. We look forward to speaking with you further about this proposal.



January 7, 2025

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4.0 CONTACT INFORMATION

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Appendix A – Proposal Price Sheet

ATTACHMENT A

DEP OOG - MERP Administration

Item	Description	Unit of Measure	*Estimated Qty	Unit Cost	Extended Cost
1	Well Nomination, Prioritization	HR.	1000	\$0.00	\$0.00
2	Methane Emissions Quantification (MEQ) Testing (Per Well)	EA.	800	\$0.00	\$0.00
3	Permitting (report per well)	EA.	400	\$0.00	\$0.00
TOTAL COST					\$0.00

*The Pricing Pages contain a list of the Contract Items and estimated purchase volume. The estimated purchase volume for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied.