

CITY OF COMMERCE CITY ENVIRONMENTAL CONSULTING SERVICES

December 7, 2020



MEET THE TEAM



JULIA NEWMAN

Lotus Senior Associate



**EMILY
ARTALE**

*Lotus Founder, Principal
Engineer, and Co-Owner*



**ABBY
BOHANNAN**

*AMBG Equity and Community
Health Consultant*



**CAROLINE
BYUS**

*Pinyon Senior Environmental
Scientist (Water Quality)*



**DUSTIN
COLLINS**

*Pinyon Air Quality and Noise
Technical Group Manager*

Additional Project Team members not on this call include:

- *Hillary Dobos, Lotus Principal and Co-Owner*
- *Rachel Meier, Lotus Research Associate*
- *Mayra Gonzales, AMBG Equity and Capacity Building Consultant*
- *Kaitlin Meszaros, Pinyon Air Quality Specialist*
- *Scott Fanello, Pinyon Environmental Engineer*

OUR COMPLEMENTARY EXPERTISE

Lotus Expertise

- Greenhouse gas accounting and modeling
- Advancing local government sustainability
- Climate action planning
- Stakeholder engagement
- Building staff and community capacity
- Environmental justice
- Project management

AMBG Expertise

- Community outreach and engagement with marginalized populations
- Capacity building
- Spanish/English facilitation
- Community health and health needs assessments
- Planning
- Data collection, analysis, and communication
- Equitable evaluation and program design

Pinyon Expertise

- Air quality compliance
- Air quality monitoring management
- Water quality monitoring, data analysis, and management
- Water resource planning
- Green infrastructure
- Stormwater management

OUR COMPLEMENTARY EXPERTISE

Lotus Expertise

- Greenhouse gas accounting and modeling
- Advancing local government sustainability
- Climate action planning
- Stakeholder engagement
- Building staff and community capacity
- Environmental justice
- Project management

*Project Example:
Denver 80X50 Climate Action Plan*

AMBG Expertise

- Community outreach and engagement with marginalized populations
- Capacity building
- Spanish/English facilitation
- Community health and health needs assessments
- Planning
- Data collection, analysis, and communication
- Equitable evaluation and program design

*Project Example:
Longmont Equitable Carbon-Free
Transportation Roadmap*

Pinyon Expertise

- Air quality compliance
- Air quality monitoring management
- Water quality monitoring, data analysis, and management
- Water resource planning
- Green infrastructure
- Stormwater management

*Project Example:
Antero Air Quality Compliance

Eagle River Water and Sanitation
District*

PROJECT PHILOSOPHY

1. A phased project approach allows time for robust data collection and accessible public engagement.
2. Equity and environmental justice are centered in the project approach.
3. Defensible data informs impact driven dialogue.
4. An adaptive management approach ensures we understand the City's objectives and informs decisions.

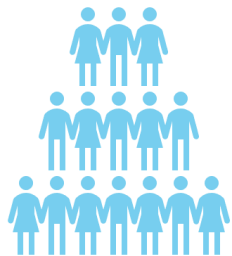
PUBLIC ENGAGEMENT



ADVISORY BOARD



COMMUNITY
SURVEY AND
INTERVIEWS



COMMUNITY MEETINGS



OUTREACH MATERIALS

THIS APPROACH WILL ENSURE:

- Prioritize strategies and policies with a positive equity impact.
- Ensure that equity metrics are included in measures of success.
- Generate solutions from people closest to the problem.
- Ensure that equity is prominent among the strategies selected.
- Develop strategies for a community education campaign that supports all community members' involvement in this work.

PROJECT APPROACH



Phase 1

- Analyze greenhouse gas emissions
- Develop a vision of organizational sustainability
- Engage the City's stakeholders and the community
- Evaluate WQ and AQ objectives for the City
- Develop WQ and AQ monitoring plans



Phase 2

- Gather feedback from the community
- Model GHG strategies
- Report back to stakeholders
- Develop sustainability recommendations
- Continue WQ monitoring and develop strategies
- Develop AQ guidance documents and policy recommendations



Phase 3

- Continue AQ monitoring
- Continue WQ monitoring
- Develop WQ recommendations
- Continue to report progress to the community

PHASE 1—SUSTAINABILITY PLANNING



2020 GHG INVENTORY

- Greenhouse Gas Emissions Inventory
- Business-as-Usual Emissions Projections



CITY VISION OF SUSTAINABILITY

- Meet with City staff
- Host focus groups
 - Research
- Develop vision, policies, and strategies recommendations



ENGAGE STAKEHOLDERS AND THE COMMUNITY

- Establish stakeholder committee
- Establish Advisory Board
 - Host workshop(s)
 - Equitable public engagement

PHASE 1—AIR AND WATER QUALITY



AIR QUALITY MONITORING

- Inventory of community-wide AQ impacts
 - AQ monitoring plan
 - Thresholds report
- Oil and Gas AQ plan submittal standard



WATER QUALITY MONITORING

- LID stormwater infrastructure guidelines
- Land use policy recommendations
 - GIS maps
- Base a recommendations for a corridor management plan
 - Potential capital and green infrastructure projects memo
- Water quality monitoring plan

PHASE 2—DEVELOP POLICY RECOMMENDATIONS



CONTINUED ENGAGEMENT

- Report out and gather feedback from the community
 - Vet sustainability policy recommendations with stakeholders and the community
- Develop marketing materials and an educational campaign



RECOMMEND POLICIES

- Model emissions impact of strategies
- Recommend policies for community sustainability
- Recommend guidance for air quality, modeling, and policy



WATER QUALITY MONITORING

- Continued water quality monitoring and analysis

PHASE 3—CONTINUED MONITORING AND DEVELOP WATER POLICY RECOMMENDATIONS



AIR QUALITY MONITORING

- Perform air quality monitoring



WATER QUALITY MONITORING

- Develop final water quality recommendations
- Provide a final report on water quality monitoring and recommendations

PROPOSED COSTS

Task	Total Costs Phase 1	Anticipated Costs Phase 2	Anticipated Costs Phase 3
Task 1: Project Kick-Off and Work Plan	\$3,860.00	-	-
Task 2: Greenhouse Gas Inventory	\$11,405.00	-	-
Task 3: Organizational Sustainability	\$16,181.25	-	-
Task 4: Community-Wide Sustainability	\$41,704.50	\$13,901.50	-
Task 5: Recommend Policies	-	\$22,500.00	-
Task 6: Air Quality	\$66,720.40	\$28,954.80	*
Task 7: Water Quality	\$63,151.24	\$39,149.88	\$19,189.80*
Project Management	\$5,955.47	\$5,955.47	\$3,970.31
Total	\$208,977.86	\$110,461.65	\$23,160.11

*Costs for Phase 3 water and air quality work are heavily dependent upon further conversations with City staff and will be scoped during Phase 1.

WE ARE YOUR TEAM.

We listen and are collaborative.

We have deep experience with similar and neighboring communities.

We have been in your shoes.

We have done this work before.

We have been in the industry for combined 80+ years. We have seen sustainability flourish from its infancy to its full integration.



lotus
advances sustainability

