



Question 1: What strengths does the community possess to address improving air quality through actions in the area of alternative energy?

Instructions

- 1) Quickly select individuals to serve as:
 - Facilitator: Keeps track of process; makes sure everyone is heard
 - Scribe: Records group members' responses on worksheet
 - Reporter: Shares group's responses in the large group
 - 2) Take turns sharing your top response to the question—**only one!** Record each below. Do not discuss at this point; do not explain your response yet. After each has shared her/his top response, the floor is open to share any responses that have not been mentioned and recorded.
 - 3) Briefly discuss the responses, ask questions, identify common ideas, talk about priorities.
 - 4) Identify the three responses that as a group you feel are the most important. Record below.
-

Top Individual Responses (Use back of sheet if needed)

- Green-roofing
 - Ohio River
 - Collaborative partnerships
 - Interested affordable housing groups
 - A lot of people are open, eager
 - Data-driven approach
 - Bio-digesters
 - Common understanding
-

Top 3 Most Important Responses

1. Collective partnerships
2. Open attitude... broad support
3. Numerous resources that can be developed

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Top Individual Responses *(Use back of sheet if needed)*

Top 3 Most Important Responses

1. KY HAS HIGH LEVEL OF SOLAR INSOLATION
— SOLAR DOES WORK IN KY
2. LOUISVILLE COMMUNITY SHOW COLLABORATION TO ADDRESS
COMMUNITY WIDESPREAD.
3. LOUISVILLE CAN LEAD THE STATE IN POLICY

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Top Individual Responses (Use back of sheet if needed)

- knowledgeable, activated activists that are actively working already walking the walk
 - Great collaboration: utilities, public, private, volunteer
↳ attitude change (generational?)
 - Economics "monetize" for businesses
↳ data driven
- ↳ speaks to partnerships developed

Top 3 Most Important Responses

1. We have knowledgeable, activists participating in the community who are "already walking the walk."
2. Great collaboration between multiple sectors: utilities, public, private, volunteers → significant attitude change.
3. Economic, data driven progress to monetize changes for businesses - make efficiency business friendly.

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Question 2: What challenges does the community face to improve air quality through actions in the area of alternative energy?

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Top Individual Responses (Use back of sheet if needed)

- Policies, restrictions ~~and~~ laws
 - initial costs are high
 - utilities themselves are a barrier
 - educating residents + stakeholders
 - lack of openness, understanding, resistance to change
 - dependance on tax-credit as incentive limits who benefits
- renewable standard
virtual net metering
tax credit
leasing

Top 3 Most Important Responses

1. Policy Barriers
2. Upfront + Costs
3. Misconceptions + resistance to change

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Top Individual Responses (Use back of sheet if needed)

- LOW COST COAL STATE
 - ECONOMICS OVERRIDING ENVIRONMENT
 - PSC MANDATE IS FOCUSED SOLELY ON LOW COST SUPPLY
 - NO RENEWABLE PORTFOLIO STD
 - LACK OF CITIZEN EDUCATION ON RENEWABLES
 - LACK OF INFRASTRUCTURE TO SUPPORT ELECTRIC VEHICLES
 - BUSINESS CASE IS QUESTIONABLE
 - POLITICS
 - LACK OF FINANCIAL RESOURCES
-

Top 3 Most Important Responses

1. KY HAS LEGACY OF BEING A LOW COST COAL STATE
2. PSC MANDATE IS FOR LOW COST ENERGY WITH NO RENEWABLE PORTFOLIO STD
3. LACK OF FINANCIAL RESOURCES

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Top Individual Responses (Use back of sheet if needed)

- Systemic
- * no policies for utilities to use any % of alternative or renewable
 - Legislative Policies → coal culture
 - * cap @ 30kW
 - * geographic
 - * Bevin's transition team - coal centered individual appointed as head of Environmental cabinet
 - * Infrastructure/Industry
 - * Lack of capital \$\$\$ where does this fit in state budget!?
 - * Education
 - * coal industry - readily available technology to supplement current load
 - * STORAGE - TRANSMISSION
 - * Behavioral changes → bring demand down before switch

Top 3 Most Important Responses

1. challenge with legislative policies stemming from a coal culture - lack of policy for renewables + alternatives, issues with space in budget.
2. our position geographically poses additional challenges on top of socioeconomic issues.
3. still catching up with technology - need to improve storage and transmission.

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Question 3: Given these challenges and strengths, what short-term actions (1-3 years) should the community undertake or tackle with renewed focus in the area of alternative energy to improve air quality?

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Top Individual Responses (Use back of sheet if needed)

- * take advantage of current incentives to install as much clean, renewable energy as possible.
- * More efficiency/controls on current emission sources
- * Transportation: policy - working w/employers ^{more employee options}
corporate (regionally) _{corporate fleets} → charges, etc. as fare incentives
- * Smoking
- * Metro Leadership: penalty vs. incentives
subsidize ZMW [city policy] preferred parking EV
- * Adopt a charger → network of chargers around state parks
- * Fundraising, budget for LSC

Top 3 Most Important Responses

1. Take advantage of current incentives to install as much clean, renewable energy as possible.
2. Changing policy: implement penalty vs. incentive programs
subsidize first ZMW as city policy? Preferred EV parking?
3. Raising capital for programs ready to take action (LSC).

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Top Individual Responses (Use back of sheet if needed)

- Add new, more bike lanes
- Transition Metro Louisville's motor fleet to Nat gas or electrified... as good as we can get
- Grow Community Solar Options
- Organize affordable housing groups, utility and community to take full advantage of Clean Energy Incentive Program under CPP!

Top 3 Most Important Responses

- 1.
2. see above
- 3.

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Top Individual Responses (Use back of sheet if needed)

- DEVELOP THOUGHTFUL, DOABLE PLAN FOR RENEWABLE
- CONSERVE - ENERGY EFFICIENCY
- EDUCATE CITIZENS IN LAYMAN TERMS ON HOW TO IMPLEMENT RENEWABLE
- SUPPORTING GRASSROOTS INITIATIVES LIKE EMPOWER KY
- DEVELOP EQUITABLE MEANS TO TRANSITION COAL COUNTIES TO HEALTHY ECONOMY
- EDUCATE POLITICAL LEADERS ON ECONOMIC, ENVIRONMENTAL + HEALTH IMPACTS,

Top 3 Most Important Responses

1. EDUCATION - CITIZENS & POLITICAL LEADERS IN LAYMAN TERMS ON ECONOMIC, ENVIRONMENTAL & HEALTH BENEFITS OF RENEWABLE
2. DEVELOP A PLAN & TARGETS FOR RENEWABLE ENERGY
3. SUPPORT GRASSROOTS INITIATIVES LIKE EMPOWER KY & WORK TO TRANSITION COAL COUNTIES TO HEALTHY INDUSTRY

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Question 4: Given these challenges and strengths, what longer-term actions (3 to 5 years) should the community undertake or tackle with renewed focus on in the area of alternative energy to improve air quality?

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- 5) Quickly select individuals to serve as:
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- 7) Briefly discuss the responses, ask questions, identify common ideas, talk about priorities.
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Top Individual Responses (Use back of sheet if needed)

- * Infrastructure - building codes § new houses/buildings mandate for electric car charge circuit
- * Renewable portfolio standard ↘ zoning codes: revitalize > sprawl
- * Education: capitalizing on generation already understanding, aligning alternative energy goals w/land use, etc.
- * continue addressing meeting sustainable goals
add into curriculum
utilize community groups
vocational schools
trade

Top 3 Most Important Responses

1. Education: incorporate into curriculum, programs for ^{direct} transition into workforce (vocational/trade schools), utilize community volunteer groups.
2. Passing renewable portfolio standard.
3. Integration alignment of priorities (zoning, building codes, land use, etc.)

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Top Individual Responses (Use back of sheet if needed)

- Repeal ky law banning 3rd party leasing
- Force a legal challenge of 3rd party restriction by installing solar panels on a church. Sue US.
- Policy Change - ^{ramping up over time -} incremental, long term Renewable Standard
- Get a good ^{state} Clean Power Plan in place
- Engage young leaders - More Jacks²

Top 3 Most Important Responses

1. Set a state or local renewable energy standard
2. Remove prohibition on 3rd party ownership
3. Engage young leaders

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Top Individual Responses (Use back of sheet if needed)

- DEVELOP INFRASTRUCTURE TO SUPPORT INCREASED IMPLEMENTATION OF ELECTRIC VEHICLES
 - DEVELOP MANDATE FOR RPS
 - DEVELOP GOAL TO REDUCE MW GENERATED BY COAL
 - REVIEW THE INVESTMENT TAX CREDIT BOTH STATE & FEDERAL
 - INVEST IN NUCLEAR ENERGY
-

Top 3 Most Important Responses

1. DEVELOP INFRASTRUCTURE TO SUPPORT INCREASED IMPLEMENTATION OF ELECTRIC VEHICLES
2. DEVELOP MANDATE FOR RPS & A GOAL TO REDUCE COAL GENERATED POWER
3. REVIEW THE INVESTMENT TAX CREDIT - BOTH STATE & FEDERAL