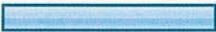


11.5.5 Round 2 Delphi Printout from SurveyMonkey

- Graphic representation of Garfield County citizens' responses for Round 2 (26 pages)

Garfield County Environmental Health Issues Round Two

1. BACTERIA and OTHER CONTAMINANTS in FOOD, due to unsafe food handling in retail food establishments and homes may transmit illness.

		Response Percent	Response Count
Not at all important		0.0%	0
Somewhat unimportant		14.6%	6
Neutral		7.3%	3
Somewhat important		34.1%	14
Very important		43.9%	18
<i>answered question</i>			41
<i>skipped question</i>			0

2. CHEMICALS USED in HYDRAULIC FRACTURING of natural gas wells may contaminate soil, ground water, and drinking water supplies.

		Response Percent	Response Count
Not at all important		2.4%	1
Somewhat unimportant		4.9%	2
Neutral		4.9%	2
Somewhat important		14.6%	6
Very important		73.2%	30
<i>answered question</i>			41
<i>skipped question</i>			0

3. DISEASES like Rabies, West Nile Virus, Hantavirus, and Plague are transmitted to humans by insects and animals.

		Response Percent	Response Count
Not at all important		0.0%	0
Somewhat unimportant		2.4%	1
Neutral		24.4%	10
Somewhat important		53.7%	22
Very important		19.5%	8
<i>answered question</i>			41
<i>skipped question</i>			0

4. DRIVERS USING CELLPHONES or OTHER DISTRACTIONS threaten the safety of others on the roadways.

		Response Percent	Response Count
Not at all important		4.9%	2
Somewhat unimportant		7.3%	3
Neutral		7.3%	3
Somewhat important		39.0%	16
Very important		41.5%	17
<i>answered question</i>			41
<i>skipped question</i>			0

5. ELECTROMAGNETIC FIELDS from power lines and transmission towers may have human health consequences, potentially including cancer and other hazards.

		Response Percent	Response Count
Not at all important		9.8%	4
Somewhat unimportant		12.2%	5
Neutral		36.6%	15
Somewhat important		31.7%	13
Very important		9.8%	4
<i>answered question</i>			41
<i>skipped question</i>			0

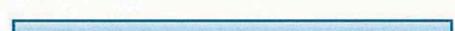
6. EMISSIONS from manufacturing and industry sources, vehicles, open burning, forest fires, fireplaces, lawnmowers, and many other sources, creates outdoor air pollution that can be a human health hazard.

		Response Percent	Response Count
Not at all important		2.4%	1
Somewhat unimportant		2.4%	1
Neutral		17.1%	7
Somewhat important		34.1%	14
Very important		43.9%	18
<i>answered question</i>			41
<i>skipped question</i>			0

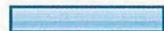
7. EMISSIONS that may include Volatile Organic Compounds (VOC's) from drilling next to Battlement Mesa golf course could affect the health of golfers and residents.

		Response Percent	Response Count
Not at all important		4.9%	2
Somewhat unimportant		7.3%	3
Neutral		22.0%	9
Somewhat important		17.1%	7
Very important		48.8%	20
<i>answered question</i>			41
<i>skipped question</i>			0

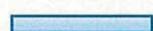
8. EXPOSURE to BENZENE from gas wells in proximity to residences may cause or worsen human health problems, such as nerve and bone marrow damage.

		Response Percent	Response Count
Not at all important		2.4%	1
Somewhat unimportant		2.4%	1
Neutral		9.8%	4
Somewhat important		14.6%	6
Very important		70.7%	29
<i>answered question</i>			41
<i>skipped question</i>			0

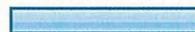
9. EXPOSURE to LEAD from paint in older homes, imported children’s toys, and tailpipe gases in high-traffic corridors may harm the growth and development of children, including exposure before they are born.

	Response Percent	Response Count
Not at all important	0.0%	0
Somewhat unimportant 	2.4%	1
Neutral 	24.4%	10
Somewhat important 	39.0%	16
Very important 	34.1%	14
<i>answered question</i>		41
<i>skipped question</i>		0

10. FARM ANIMAL ILLNESS and REPRODUCTION should be recognized as warnings about environmental exposures with potential to impact human health.

	Response Percent	Response Count
Not at all important 	2.5%	1
Somewhat unimportant 	10.0%	4
Neutral 	17.5%	7
Somewhat important 	47.5%	19
Very important 	22.5%	9
<i>answered question</i>		40
<i>skipped question</i>		1

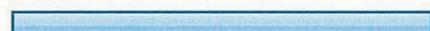
11. FLUORIDE in public drinking water supplies prevents tooth decay.

		Response Percent	Response Count
Not at all important		22.5%	9
Somewhat unimportant		10.0%	4
Neutral		25.0%	10
Somewhat important		30.0%	12
Very important		12.5%	5
<i>answered question</i>			40
<i>skipped question</i>			1

12. FOCUS on SUSTAINABLE COMMUNITY PLANNING helps people take steps toward energy efficiency, zero waste, energy-conserving transportation, green building, and natural resource conservation.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		2.5%	1
Neutral		5.0%	2
Somewhat important		42.5%	17
Very important		47.5%	19
<i>answered question</i>			40
<i>skipped question</i>			1

13. GAS WELL EMISSIONS into the AIR, including flaring and venting, release known and unknown substances which may cause human health problems.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		0.0%	0
Neutral		10.0%	4
Somewhat important		20.0%	8
Very important		67.5%	27
<i>answered question</i>			40
<i>skipped question</i>			1

14. GROUND-LEVEL OZONE formed as a result of driving, fueling, solvent use, industrial emissions, etc., is a harmful air pollutant that affects human health.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		0.0%	0
Neutral		12.5%	5
Somewhat important		35.0%	14
Very important		50.0%	20
<i>answered question</i>			40
<i>skipped question</i>			1

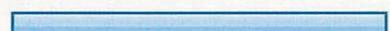
15. HEAVY LARGE-VEHICLE TRAFFIC on roads not constructed for them creates road damage and may be hazardous for other vehicles and roadside activity.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		2.5%	1
Neutral		15.0%	6
Somewhat important		42.5%	17
Very important		37.5%	15
<i>answered question</i>			40
<i>skipped question</i>			1

16. HOUSEHOLD HAZARDOUS WASTE, including pharmaceuticals and personal care products, fluorescent light bulbs, paint, cleaning products, etc., may contaminate drinking water.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		0.0%	0
Neutral		12.5%	5
Somewhat important		35.0%	14
Very important		50.0%	20
<i>answered question</i>			40
<i>skipped question</i>			1

17. HOUSEHOLD WATER WELL CONTAMINATION by bacteria and other organisms, due to mining activity, grazing animals, leaking septic systems or storm water runoff, may cause serious illness.

	Response Percent	Response Count
Not at all important 	2.5%	1
Somewhat unimportant	0.0%	0
Neutral 	15.0%	6
Somewhat important 	22.5%	9
Very important 	60.0%	24
	<i>answered question</i>	40
	<i>skipped question</i>	1

18. IMPROPER DISPOSAL of GARBAGE and LITTER on both public and private lands may contaminate water and shelter animals that carry disease to humans.

	Response Percent	Response Count
Not at all important	0.0%	0
Somewhat unimportant 	2.5%	1
Neutral 	15.0%	6
Somewhat important 	52.5%	21
Very important 	30.0%	12
	<i>answered question</i>	40
	<i>skipped question</i>	1

19. INDOOR AIR POLLUTION accumulating in high concentrations from cleaning products, fireplaces, stoves, paints, solvents, cigarette smoke, and chemicals used in building materials and home furnishings can contribute to a variety of health problems including asthma.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		12.5%	5
Neutral		42.5%	17
Somewhat important		22.5%	9
Very important		20.0%	8
<i>answered question</i>			40
<i>skipped question</i>			1

20. INFECTIOUS DISEASE spreads more easily when people are not fully immunized.

		Response Percent	Response Count
Not at all important		0.0%	0
Somewhat unimportant		0.0%	0
Neutral		40.0%	16
Somewhat important		22.5%	9
Very important		37.5%	15
<i>answered question</i>			40
<i>skipped question</i>			1

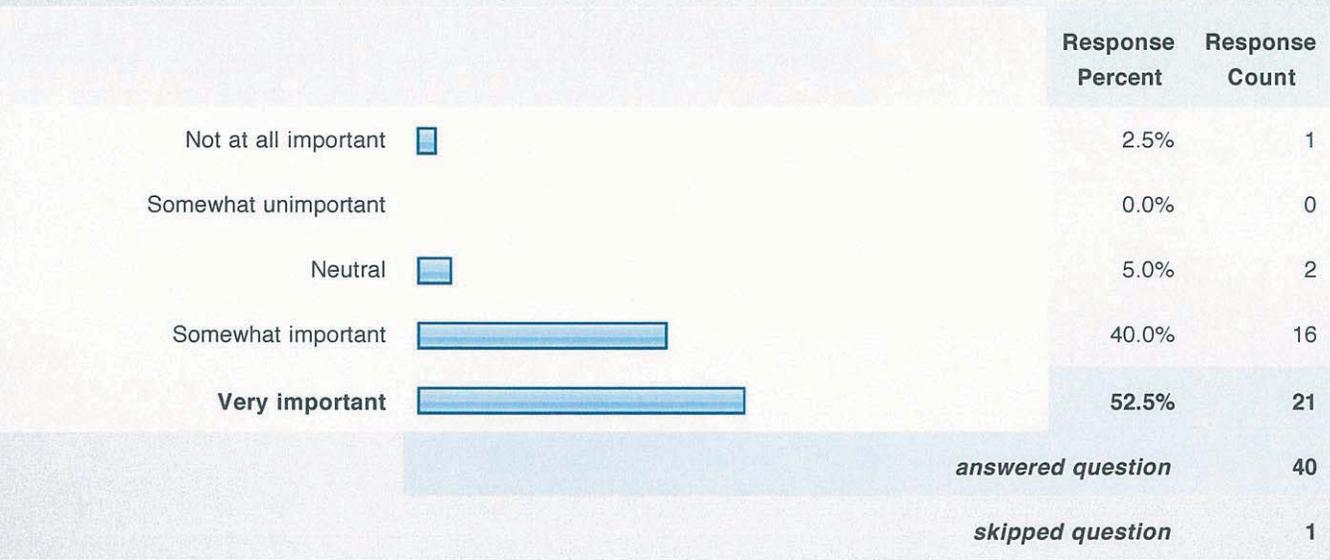
21. LIGHT POLLUTION at night may interfere with normal daily cycles that regulate and maintain human health.

		Response Percent	Response Count
Not at all important		12.5%	5
Somewhat unimportant		7.5%	3
Neutral		32.5%	13
Somewhat important		22.5%	9
Very important		25.0%	10
<i>answered question</i>			40
<i>skipped question</i>			1

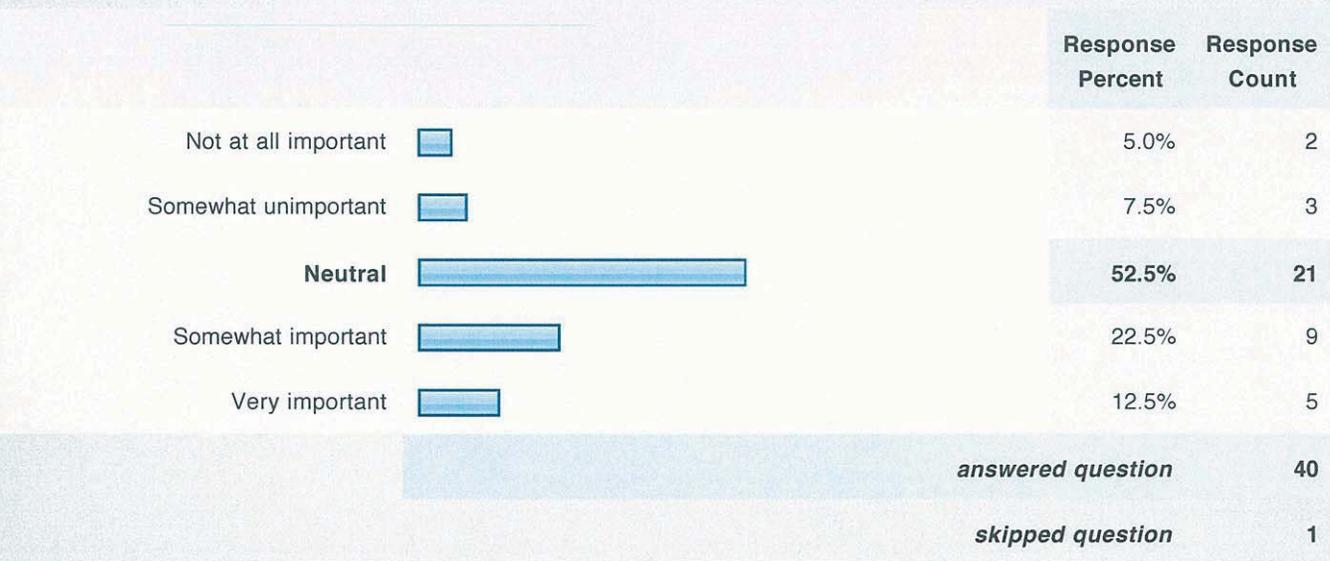
22. MAGNESIUM CHLORIDE used on roads to melt snow and ice and reduce dust is a health concern for some individuals.

		Response Percent	Response Count
Not at all important		10.0%	4
Somewhat unimportant		5.0%	2
Neutral		55.0%	22
Somewhat important		25.0%	10
Very important		5.0%	2
<i>answered question</i>			40
<i>skipped question</i>			1

23. METH LABS create risks of fire and explosion and toxic chemicals that contaminate the interiors of buildings where meth labs are located and are challenging to clean up.



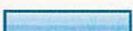
24. MORE OUTDOOR TOILETS would reduce the possibility of contaminating surface waters and causing illness.



25. MORE PEOPLE UNDERSTANDING the IMPACT of ENVIRONMENTAL FACTORS on human health in Garfield County would improve residents' health.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		5.0%	2
Neutral		17.5%	7
Somewhat important		27.5%	11
Very important		47.5%	19
<i>answered question</i>			40
<i>skipped question</i>			1

26. NOISE POLLUTION can produce stress reactions, such as increases in blood pressure, pulse rate, and hormone secretion, that over time damage people's circulatory systems.

		Response Percent	Response Count
Not at all important		7.5%	3
Somewhat unimportant		2.5%	1
Neutral		20.0%	8
Somewhat important		55.0%	22
Very important		15.0%	6
<i>answered question</i>			40
<i>skipped question</i>			1

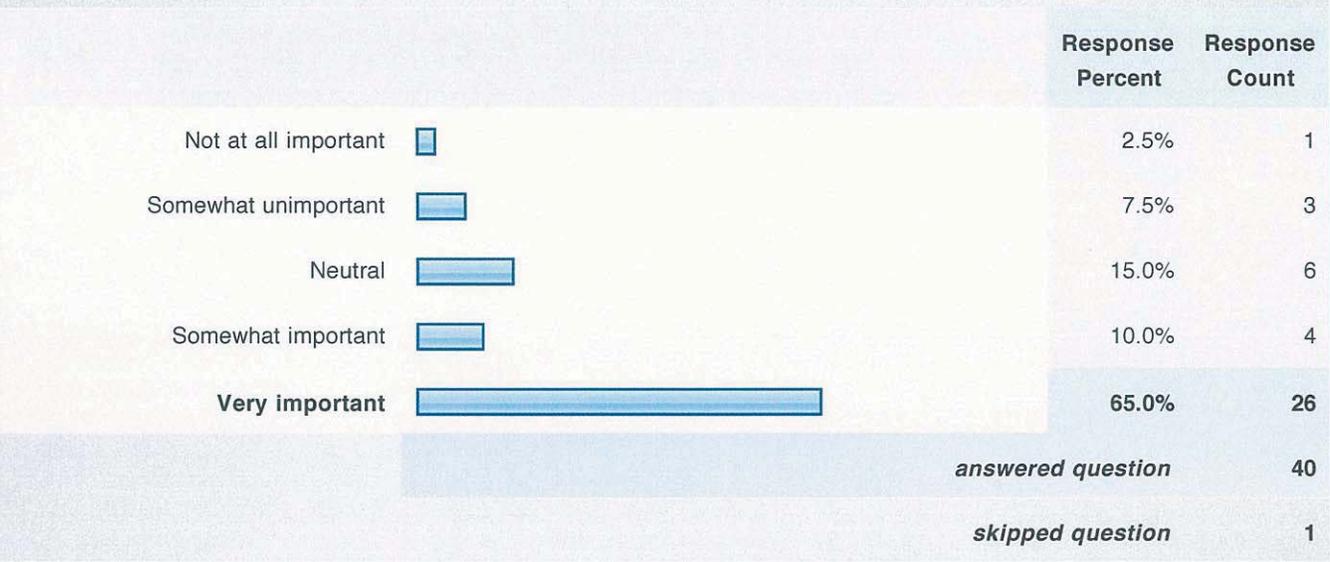
27. NOT ENFORCING ENVIRONMENTAL LAWS and REGULATIONS leads to environmental health problems.

	Response Percent	Response Count
Not at all important 	2.5%	1
Somewhat unimportant	0.0%	0
Neutral 	12.5%	5
Somewhat important 	27.5%	11
Very important 	57.5%	23
	<i>answered question</i>	40
	<i>skipped question</i>	1

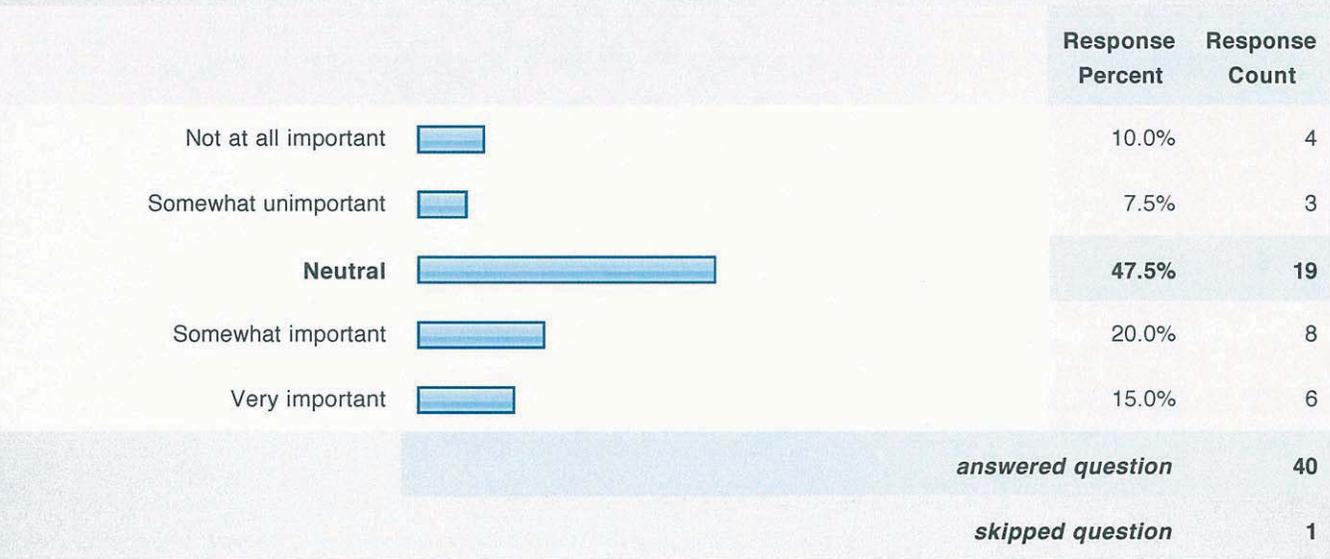
28. NOT ENFORCING LABOR LAWS and REGULATIONS leads to unsafe working conditions.

	Response Percent	Response Count
Not at all important 	2.5%	1
Somewhat unimportant 	7.5%	3
Neutral 	12.5%	5
Somewhat important 	42.5%	17
Very important 	35.0%	14
	<i>answered question</i>	40
	<i>skipped question</i>	1

29. ODORS and FUMES emitted from gas wells close to residential housing causes some residents to feel ill in and around their homes.



30. OVERCROWDED HOUSING leads to the spread of contagious illnesses.



31. POLLUTION of COLORADO RIVER WATER, used for human consumption, may occur if drilling takes place too close to the river.

		Response Percent	Response Count
Not at all important	<input type="checkbox"/>	2.5%	1
Somewhat unimportant	<input type="checkbox"/>	2.5%	1
Neutral	<input type="checkbox"/>	17.5%	7
Somewhat important	<input type="checkbox"/>	12.5%	5
Very important	<input type="checkbox"/>	65.0%	26
<i>answered question</i>			40
<i>skipped question</i>			1

32. RADON, a radioactive gas found in soil, rock and water from naturally occurring uranium, with long exposure, can lead to lung cancer when it accumulates in homes where families spend time.

		Response Percent	Response Count
Not at all important	<input type="checkbox"/>	5.0%	2
Somewhat unimportant	<input type="checkbox"/>	2.5%	1
Neutral	<input type="checkbox"/>	17.5%	7
Somewhat important	<input type="checkbox"/>	47.5%	19
Very important	<input type="checkbox"/>	27.5%	11
<i>answered question</i>			40
<i>skipped question</i>			1

33. RELEASE of RADIOACTIVE CONTAMINANTS into water, soil, and air from drilling where a nuclear device was once detonated may cause health problems.

		Response Percent	Response Count
Not at all important		5.0%	2
Somewhat unimportant		5.0%	2
Neutral		17.5%	7
Somewhat important		25.0%	10
Very important		47.5%	19
<i>answered question</i>			40
<i>skipped question</i>			1

34. RESPONSE to ENVIRONMENTAL EMERGENCIES to protect human health should be part of emergency preparedness plans.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		0.0%	0
Neutral		2.5%	1
Somewhat important		17.5%	7
Very important		77.5%	31
<i>answered question</i>			40
<i>skipped question</i>			1

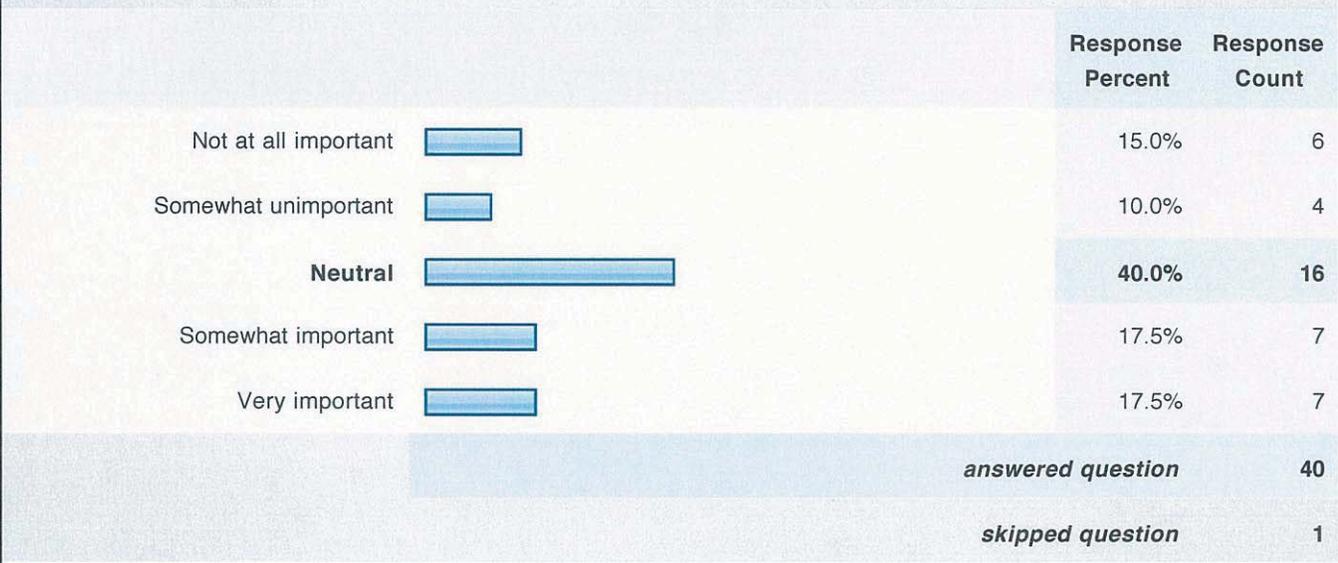
35. SMALL SOLID PARTICLES of DUST, created by construction, land development, crushing gravel, mining, and traffic on paved and unpaved roads, lodge deep in people's lungs and cause health problems.

		Response Percent	Response Count
Not at all important		10.0%	4
Somewhat unimportant		2.5%	1
Neutral		20.0%	8
Somewhat important		27.5%	11
Very important		40.0%	16
<i>answered question</i>			40
<i>skipped question</i>			1

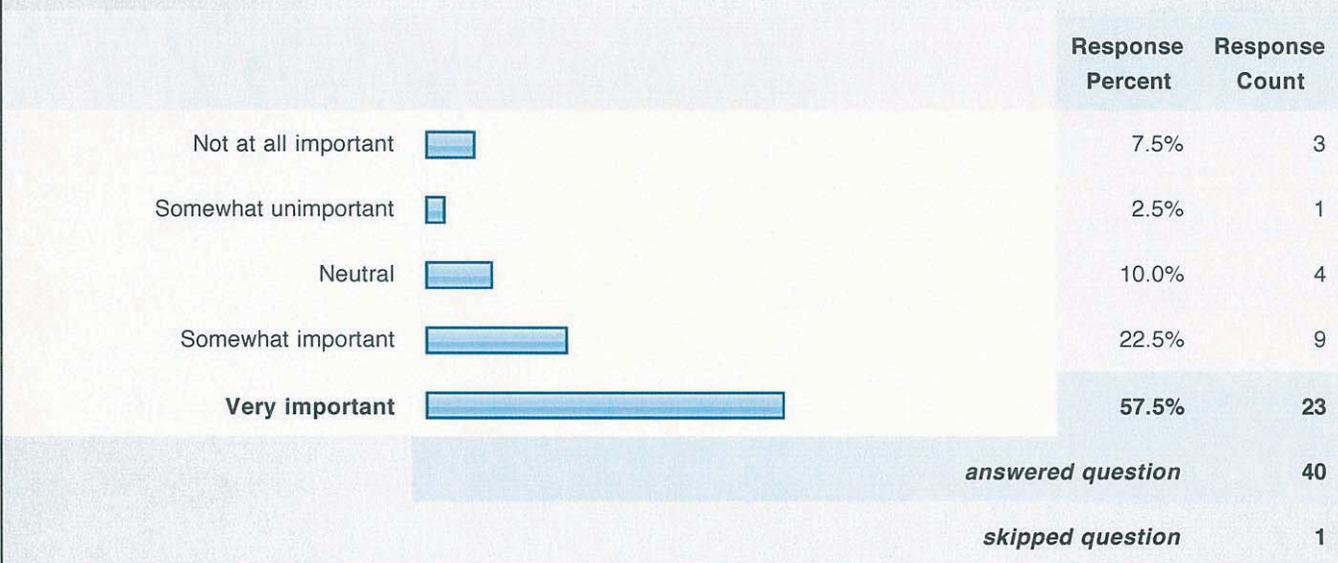
36. TRANSIENT HOUSING SITES may be sources of soil and water contamination that have bad effects on human health.

		Response Percent	Response Count
Not at all important		5.0%	2
Somewhat unimportant		5.0%	2
Neutral		22.5%	9
Somewhat important		57.5%	23
Very important		10.0%	4
<i>answered question</i>			40
<i>skipped question</i>			1

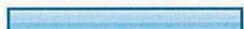
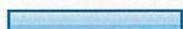
37. ULTRAVIOLET (UV) RADIATION, whether from the sun or tanning beds, is the major cause of skin cancer.



38. WALKING and CYCLING PATHS and RECREATION OPPORTUNITIES would encourage physical activity essential to maintaining good health.



39. WATERBORNE and WATER-RELATED DISEASE TRANSMISSION may be caused by storm water runoff picking up dangerous materials from households, construction sites, agricultural production, and other locations.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		2.5%	1
Neutral		30.0%	12
Somewhat important		37.5%	15
Very important		27.5%	11
<i>answered question</i>			40
<i>skipped question</i>			1

40. INCONSISTENT HANDLING of WORKPLACE INJURIES, ILLNESSES and EXPOSURE to HAZARDOUS MATERIALS makes it hard to develop comprehensive occupational health and safety programs.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		10.0%	4
Neutral		37.5%	15
Somewhat important		25.0%	10
Very important		25.0%	10
<i>answered question</i>			40
<i>skipped question</i>			1

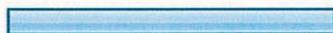
41. WASTE PITS at DRILLING SITES and BURYING WASTE PIT LINERS on SITE may leach, contaminating ground and surface water, and harm human health.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		2.5%	1
Neutral		15.0%	6
Somewhat important		17.5%	7
Very important		62.5%	25
answered question			40
skipped question			1

42. LEAVING ROAD KILL to DECAY on roadsides may cause health issues in humans.

		Response Percent	Response Count
Not at all important		7.5%	3
Somewhat unimportant		15.0%	6
Neutral		47.5%	19
Somewhat important		22.5%	9
Very important		7.5%	3
answered question			40
skipped question			1

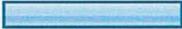
43. NOT DEALING PROMPTLY with BEDBUG, TICK and COCKROACH INFESTATIONS lets them spread to other housing units and affects the health of other people.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		10.0%	4
Neutral		20.0%	8
Somewhat important		52.5%	21
Very important		15.0%	6
<i>answered question</i>			40
<i>skipped question</i>			1

44. USING RADIOACTIVE MINE TAILINGS as CONSTRUCTION FILL allows leaching into soils and ground water with negative human health impacts.

		Response Percent	Response Count
Not at all important		2.5%	1
Somewhat unimportant		2.5%	1
Neutral		7.5%	3
Somewhat important		35.0%	14
Very important		52.5%	21
<i>answered question</i>			40
<i>skipped question</i>			1

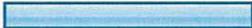
45. I want to offer an additional environmental health issue for consideration. (Please rate the issue on its importance and describe the issue below.)

	Response Percent	Response Count
Not at all important 	28.6%	2
Somewhat unimportant	0.0%	0
Neutral 	57.1%	4
Somewhat important	0.0%	0
Very important 	14.3%	1
Please describe the environmental health issue you would like to add:		1
	answered question	7
	skipped question	34

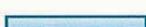
46. The part of Garfield County I live in is:

	Response Percent	Response Count
North of I-70, east of Silt 	20.0%	8
South of I-70, east of Silt 	30.0%	12
North of I-70, Silt and west 	25.0%	10
South of I-70, Silt and west 	15.0%	6
I don't live in Garfield County 	10.0%	4
	answered question	40
	skipped question	1

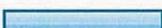
47. The part of Garfield County I work in is:

	Response Percent	Response Count
North of I-70, east of Silt 	10.0%	4
South of I-70, east of Silt 	40.0%	16
North of I-70, Silt and west 	30.0%	12
South of I-70, Silt and west 	17.5%	7
I don't work in Garfield County 	2.5%	1
<i>answered question</i>		40
<i>skipped question</i>		1

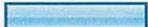
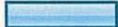
48. The community I live in or closest to is:

	Response Percent	Response Count
Battlement Mesa 	5.0%	2
Carbondale 	25.0%	10
Glenwood Springs 	22.5%	9
Newcastle 	12.5%	5
Parachute 	5.0%	2
Rifle 	22.5%	9
Silt 	5.0%	2
Other (please specify) 	2.5%	1
<i>answered question</i>		40
<i>skipped question</i>		1

49. The community I work in or closest to is:

	Response Percent	Response Count
Battlement Mesa 	5.0%	2
Carbondale 	10.0%	4
Glenwood Springs 	37.5%	15
Newcastle 	5.0%	2
Parachute 	10.0%	4
Rifle 	25.0%	10
Silt 	5.0%	2
Other (please specify) 	2.5%	1
<i>answered question</i>		40
<i>skipped question</i>		1

50. I have been living or working in Garfield County:

	Response Percent	Response Count
less than 5 years 	22.5%	9
5 or more years but less than 10 years 	17.5%	7
10 or more years but less than 20 years 	22.5%	9
20 or more years 	37.5%	15
<i>answered question</i>		40
<i>skipped question</i>		1

51. My age is:

	Response Percent	Response Count
Under 21	0.0%	0
21 to 39 	12.5%	5
40 to 64 	77.5%	31
65 or more years 	10.0%	4
	<i>answered question</i>	40
	<i>skipped question</i>	1

11.5.6 Round 3 Delphi Printout from SurveyMonkey

- Graphic representation of Garfield County citizens' responses for Round 3 (26 pages)

Garfield County Environmental Health Issues Round Three

1. BACTERIA and OTHER CONTAMINANTS in FOOD, due to unsafe food handling in retail food establishments and homes may transmit illness.

	Response Percent	Response Count
Not at all important	0.0%	0
Somewhat unimportant 	5.1%	2
Neutral 	5.1%	2
Somewhat important 	35.9%	14
Very important 	53.8%	21
<i>answered question</i>		39
<i>skipped question</i>		0

2. CHEMICALS USED in HYDRAULIC FRACTURING of natural gas wells may contaminate soil, ground water, and drinking water supplies.

	Response Percent	Response Count
Not at all important 	5.1%	2
Somewhat unimportant 	2.6%	1
Neutral 	10.3%	4
Somewhat important 	15.4%	6
Very important 	66.7%	26
<i>answered question</i>		39
<i>skipped question</i>		0

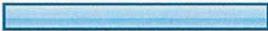
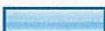
3. DISEASES like Rabies, West Nile Virus, Hantavirus, and Plague are transmitted to humans by insects and animals.

	Response Percent	Response Count
Not at all important	0.0%	0
Somewhat unimportant 	7.7%	3
Neutral 	10.3%	4
Somewhat important 	61.5%	24
Very important 	20.5%	8
<i>answered question</i>		39
<i>skipped question</i>		0

4. DRIVERS USING CELLPHONES or OTHER DISTRACTIONS threaten the safety of others on the roadways.

	Response Percent	Response Count
Not at all important 	2.6%	1
Somewhat unimportant 	7.7%	3
Neutral 	2.6%	1
Somewhat important 	46.2%	18
Very important 	41.0%	16
<i>answered question</i>		39
<i>skipped question</i>		0

5. ELECTROMAGNETIC FIELDS from power lines and transmission towers may have human health consequences, potentially including cancer and other hazards.

		Response Percent	Response Count
Not at all important		5.3%	2
Somewhat unimportant		13.2%	5
Neutral		42.1%	16
Somewhat important		23.7%	9
Very important		15.8%	6
answered question			38
skipped question			1

6. EMISSIONS from manufacturing and industry sources, vehicles, open burning, forest fires, fireplaces, lawnmowers, and many other sources, creates outdoor air pollution that can be a human health hazard.

		Response Percent	Response Count
Not at all important		2.6%	1
Somewhat unimportant		5.3%	2
Neutral		13.2%	5
Somewhat important		42.1%	16
Very important		36.8%	14
answered question			38
skipped question			1

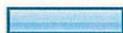
7. EMISSIONS that may include Volatile Organic Compounds (VOC's) such as drilling next to Battlement Mesa golf course could affect the health of golfers and residents.

		Response Percent	Response Count
Not at all important		10.5%	4
Somewhat unimportant		10.5%	4
Neutral		10.5%	4
Somewhat important		18.4%	7
Very important		50.0%	19
<i>answered question</i>			38
<i>skipped question</i>			1

8. EXPOSURE to BENZENE from gas wells in proximity to residences may cause or worsen human health problems, such as nerve and bone marrow damage.

		Response Percent	Response Count
Not at all important		5.3%	2
Somewhat unimportant		0.0%	0
Neutral		10.5%	4
Somewhat important		18.4%	7
Very important		65.8%	25
<i>answered question</i>			38
<i>skipped question</i>			1

9. EXPOSURE to LEAD from paint in older homes, imported children’s toys, and tailpipe gases in high-traffic corridors may harm the growth and development of children, including exposure before they are born.

		Response Percent	Response Count
Not at all important		2.6%	1
Somewhat unimportant		5.3%	2
Neutral		18.4%	7
Somewhat important		47.4%	18
Very important		26.3%	10
<i>answered question</i>			38
<i>skipped question</i>			1

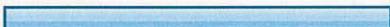
10. FARM ANIMAL ILLNESS and REPRODUCTION should be recognized as warnings about environmental exposures with potential to impact human health.

		Response Percent	Response Count
Not at all important		2.7%	1
Somewhat unimportant		2.7%	1
Neutral		18.9%	7
Somewhat important		56.8%	21
Very important		18.9%	7
<i>answered question</i>			37
<i>skipped question</i>			2

11. FLUORIDE in public drinking water supplies prevents tooth decay.

		Response Percent	Response Count
Not at all important		16.2%	6
Somewhat unimportant		10.8%	4
Neutral		37.8%	14
Somewhat important		18.9%	7
Very important		16.2%	6
<i>answered question</i>			37
<i>skipped question</i>			2

12. FOCUS on SUSTAINABLE COMMUNITY PLANNING helps people take steps toward energy efficiency, zero waste, energy-conserving transportation, green building, and natural resource conservation.

		Response Percent	Response Count
Not at all important		0.0%	0
Somewhat unimportant		5.4%	2
Neutral		8.1%	3
Somewhat important		24.3%	9
Very important		62.2%	23
<i>answered question</i>			37
<i>skipped question</i>			2

13. GAS WELL EMISSIONS into the AIR, including flaring and venting, release known and unknown substances which may cause human health problems.

		Response Percent	Response Count
Not at all important	<input type="checkbox"/>	5.4%	2
Somewhat unimportant	<input type="checkbox"/>	5.4%	2
Neutral	<input type="checkbox"/>	5.4%	2
Somewhat important	<input type="checkbox"/>	18.9%	7
Very important	<input type="checkbox"/>	64.9%	24
<i>answered question</i>			37
<i>skipped question</i>			2

14. GROUND-LEVEL OZONE formed as a result of driving, fueling, solvent use, industrial emissions, etc., is a harmful air pollutant that affects human health.

		Response Percent	Response Count
Not at all important	<input type="checkbox"/>	5.4%	2
Somewhat unimportant	<input type="checkbox"/>	0.0%	0
Neutral	<input type="checkbox"/>	16.2%	6
Somewhat important	<input type="checkbox"/>	27.0%	10
Very important	<input type="checkbox"/>	51.4%	19
<i>answered question</i>			37
<i>skipped question</i>			2

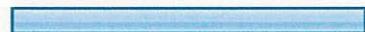
15. HEAVY LARGE-VEHICLE TRAFFIC on roads not constructed for them creates road damage and may be hazardous for other vehicles and roadside activity.

	Response Percent	Response Count
Not at all important <input type="checkbox"/>	2.7%	1
Somewhat unimportant <input type="checkbox"/>	2.7%	1
Neutral <input type="checkbox"/>	16.2%	6
Somewhat important <input type="checkbox"/>	43.2%	16
Very important <input type="checkbox"/>	35.1%	13
<i>answered question</i>		37
<i>skipped question</i>		2

16. HOUSEHOLD HAZARDOUS WASTE, including pharmaceuticals and personal care products, fluorescent light bulbs, paint, cleaning products, etc., may contaminate drinking water.

	Response Percent	Response Count
Not at all important	0.0%	0
Somewhat unimportant <input type="checkbox"/>	2.7%	1
Neutral <input type="checkbox"/>	16.2%	6
Somewhat important <input type="checkbox"/>	35.1%	13
Very important <input type="checkbox"/>	45.9%	17
<i>answered question</i>		37
<i>skipped question</i>		2

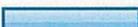
17. HOUSEHOLD WATER WELL CONTAMINATION by bacteria and other organisms, due to mining activity, grazing animals, leaking septic systems or storm water runoff, may cause serious illness.

	Response Percent	Response Count
Not at all important 	2.7%	1
Somewhat unimportant 	2.7%	1
Neutral 	13.5%	5
Somewhat important 	24.3%	9
Very important 	56.8%	21
<i>answered question</i>		37
<i>skipped question</i>		2

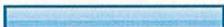
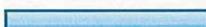
18. IMPROPER DISPOSAL of GARBAGE and LITTER on both public and private lands may contaminate water and shelter animals that carry disease to humans.

	Response Percent	Response Count
Not at all important	0.0%	0
Somewhat unimportant	0.0%	0
Neutral 	16.2%	6
Somewhat important 	56.8%	21
Very important 	27.0%	10
<i>answered question</i>		37
<i>skipped question</i>		2

19. INDOOR AIR POLLUTION accumulating in high concentrations from cleaning products, fireplaces, stoves, paints, solvents, cigarette smoke, and chemicals used in building materials and home furnishings can contribute to a variety of health problems including asthma.

	Response Percent	Response Count
Not at all important 	2.7%	1
Somewhat unimportant 	10.8%	4
Neutral 	32.4%	12
Somewhat important 	32.4%	12
Very important 	21.6%	8
<i>answered question</i>		37
<i>skipped question</i>		2

20. INFECTIOUS DISEASE spreads more easily when people are not fully immunized.

	Response Percent	Response Count
Not at all important 	2.7%	1
Somewhat unimportant	0.0%	0
Neutral 	35.1%	13
Somewhat important 	29.7%	11
Very important 	32.4%	12
<i>answered question</i>		37
<i>skipped question</i>		2

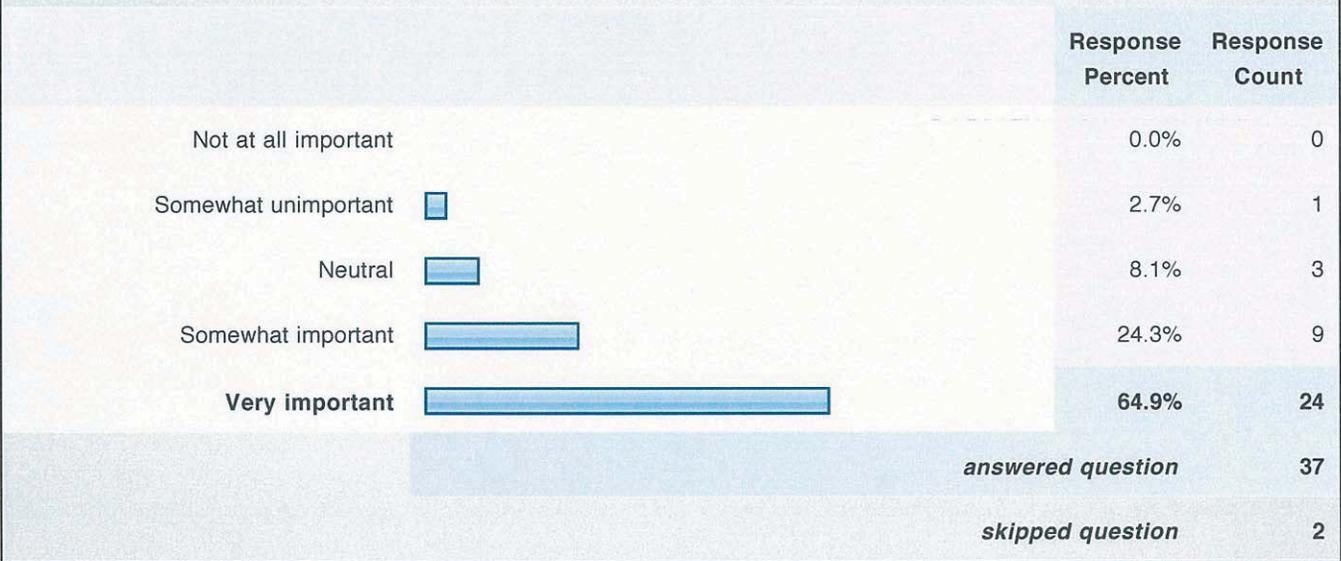
21. LIGHT POLLUTION at night may interfere with normal daily cycles that regulate and maintain human health.

		Response Percent	Response Count
Not at all important		13.5%	5
Somewhat unimportant		5.4%	2
Neutral		35.1%	13
Somewhat important		18.9%	7
Very important		27.0%	10
<i>answered question</i>			37
<i>skipped question</i>			2

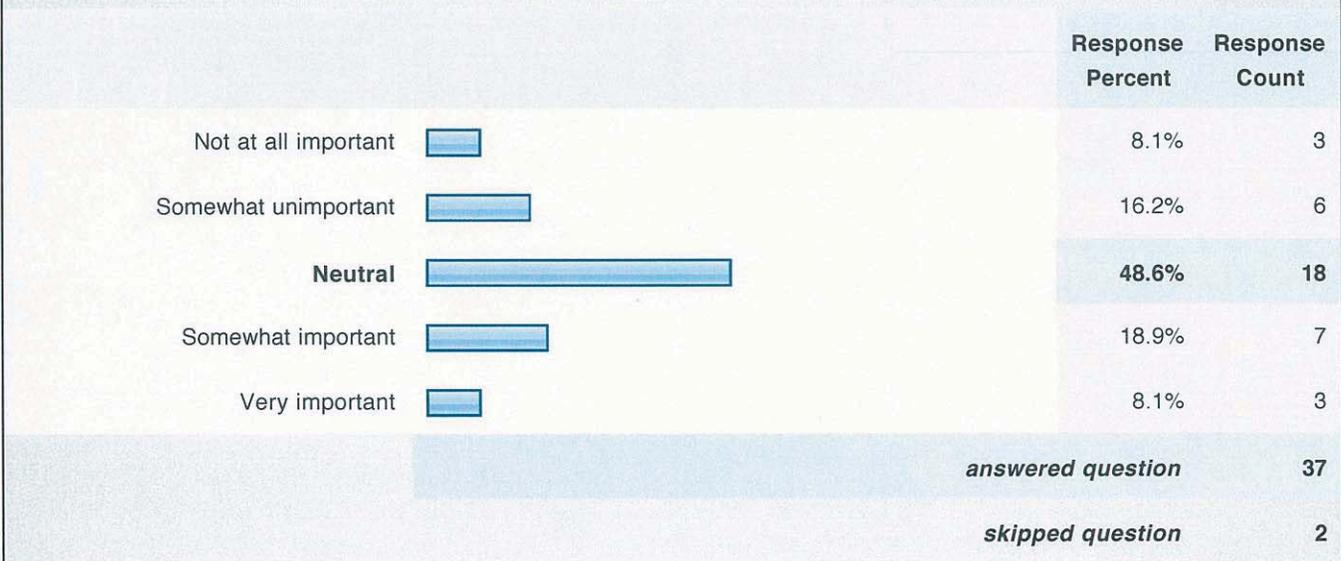
22. MAGNESIUM CHLORIDE used on roads to melt snow and ice and reduce dust is a health concern for some individuals.

		Response Percent	Response Count
Not at all important		10.8%	4
Somewhat unimportant		13.5%	5
Neutral		45.9%	17
Somewhat important		24.3%	9
Very important		5.4%	2
<i>answered question</i>			37
<i>skipped question</i>			2

23. METH LABS create risks of fire and explosion and toxic chemicals that contaminate the interiors of buildings where meth labs are located and are challenging to clean up.



24. MORE OUTDOOR TOILETS would reduce the possibility of contaminating surface waters and causing illness.



25. MORE PEOPLE UNDERSTANDING the IMPACT of ENVIRONMENTAL FACTORS on human health in Garfield County would improve residents' health.

	Response Percent	Response Count
Not at all important <input type="checkbox"/>	2.7%	1
Somewhat unimportant <input type="checkbox"/>	2.7%	1
Neutral <input type="checkbox"/>	21.6%	8
Somewhat important <input type="checkbox"/>	27.0%	10
Very important <input type="checkbox"/>	45.9%	17
<i>answered question</i>		37
<i>skipped question</i>		2

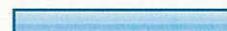
26. NOISE POLLUTION can produce stress reactions, such as increases in blood pressure, pulse rate, and hormone secretion, that over time damage people's circulatory systems.

	Response Percent	Response Count
Not at all important <input type="checkbox"/>	2.7%	1
Somewhat unimportant <input type="checkbox"/>	2.7%	1
Neutral <input type="checkbox"/>	21.6%	8
Somewhat important <input type="checkbox"/>	54.1%	20
Very important <input type="checkbox"/>	18.9%	7
<i>answered question</i>		37
<i>skipped question</i>		2

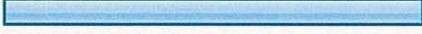
27. NOT ENFORCING ENVIRONMENTAL LAWS and REGULATIONS leads to environmental health problems.

	Response Percent	Response Count
Not at all important	0.0%	0
Somewhat unimportant 	2.7%	1
Neutral 	5.4%	2
Somewhat important 	13.5%	5
Very important 	78.4%	29
<i>answered question</i>		37
<i>skipped question</i>		2

28. NOT ENFORCING LABOR LAWS and REGULATIONS leads to unsafe working conditions.

	Response Percent	Response Count
Not at all important 	2.7%	1
Somewhat unimportant 	5.4%	2
Neutral 	13.5%	5
Somewhat important 	35.1%	13
Very important 	43.2%	16
<i>answered question</i>		37
<i>skipped question</i>		2

29. ODORS and FUMES emitted from gas wells close to residential housing causes some residents to feel ill in and around their homes.

		Response Percent	Response Count
Not at all important		2.7%	1
Somewhat unimportant		0.0%	0
Neutral		16.2%	6
Somewhat important		13.5%	5
Very important		67.6%	25
<i>answered question</i>			37
<i>skipped question</i>			2

30. OVERCROWDED HOUSING leads to the spread of contagious illnesses.

		Response Percent	Response Count
Not at all important		8.1%	3
Somewhat unimportant		8.1%	3
Neutral		45.9%	17
Somewhat important		27.0%	10
Very important		10.8%	4
<i>answered question</i>			37
<i>skipped question</i>			2

31. POLLUTION of COLORADO RIVER WATER, used for human consumption, may occur if drilling takes place too close to the river.

		Response Percent	Response Count
Not at all important		8.1%	3
Somewhat unimportant		0.0%	0
Neutral		5.4%	2
Somewhat important		24.3%	9
Very important		62.2%	23
<i>answered question</i>			37
<i>skipped question</i>			2

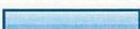
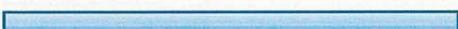
32. RADON, a radioactive gas found in soil, rock and water from naturally occurring uranium, with long exposure, can lead to lung cancer when it accumulates in homes where families spend time.

		Response Percent	Response Count
Not at all important		2.7%	1
Somewhat unimportant		0.0%	0
Neutral		16.2%	6
Somewhat important		59.5%	22
Very important		21.6%	8
<i>answered question</i>			37
<i>skipped question</i>			2

33. RELEASE of RADIOACTIVE CONTAMINANTS into water, soil, and air from drilling where a nuclear device was once detonated may cause health problems.

		Response Percent	Response Count
Not at all important		8.1%	3
Somewhat unimportant		2.7%	1
Neutral		13.5%	5
Somewhat important		29.7%	11
Very important		45.9%	17
<i>answered question</i>			37
<i>skipped question</i>			2

34. RESPONSE to ENVIRONMENTAL EMERGENCIES to protect human health should be part of emergency preparedness plans.

		Response Percent	Response Count
Not at all important		2.7%	1
Somewhat unimportant		0.0%	0
Neutral		2.7%	1
Somewhat important		21.6%	8
Very important		73.0%	27
<i>answered question</i>			37
<i>skipped question</i>			2

35. SMALL SOLID PARTICLES of DUST, created by construction, land development, crushing gravel, mining, and traffic on paved and unpaved roads, lodge deep in people's lungs and cause health problems.

		Response Percent	Response Count
Not at all important		5.4%	2
Somewhat unimportant		2.7%	1
Neutral		24.3%	9
Somewhat important		27.0%	10
Very important		40.5%	15
<i>answered question</i>			37
<i>skipped question</i>			2

36. TRANSIENT HOUSING SITES may be sources of soil and water contamination that have bad effects on human health.

		Response Percent	Response Count
Not at all important		5.4%	2
Somewhat unimportant		2.7%	1
Neutral		29.7%	11
Somewhat important		43.2%	16
Very important		18.9%	7
<i>answered question</i>			37
<i>skipped question</i>			2

37. ULTRAVIOLET (UV) RADIATION, whether from the sun or tanning beds, is the major cause of skin cancer.

		Response Percent	Response Count
Not at all important		8.1%	3
Somewhat unimportant		8.1%	3
Neutral		45.9%	17
Somewhat important		24.3%	9
Very important		13.5%	5
<i>answered question</i>			37
<i>skipped question</i>			2

38. WALKING and CYCLING PATHS and RECREATION OPPORTUNITIES would encourage physical activity essential to maintaining good health.

		Response Percent	Response Count
Not at all important		8.1%	3
Somewhat unimportant		0.0%	0
Neutral		10.8%	4
Somewhat important		13.5%	5
Very important		67.6%	25
<i>answered question</i>			37
<i>skipped question</i>			2

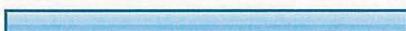
39. WATERBORNE and WATER-RELATED DISEASE TRANSMISSION may be caused by storm water runoff picking up dangerous materials from households, construction sites, agricultural production, and other locations.

		Response Percent	Response Count
Not at all important		5.4%	2
Somewhat unimportant		2.7%	1
Neutral		24.3%	9
Somewhat important		43.2%	16
Very important		24.3%	9
<i>answered question</i>			37
<i>skipped question</i>			2

40. INCONSISTENT HANDLING of WORKPLACE INJURIES, ILLNESSES and EXPOSURE to HAZARDOUS MATERIALS makes it hard to develop comprehensive occupational health and safety programs.

		Response Percent	Response Count
Not at all important		2.7%	1
Somewhat unimportant		10.8%	4
Neutral		37.8%	14
Somewhat important		24.3%	9
Very important		24.3%	9
<i>answered question</i>			37
<i>skipped question</i>			2

41. WASTE PITS at DRILLING SITES and BURYING WASTE PIT LINERS on SITE may leach, contaminating ground and surface water, and harm human health.

		Response Percent	Response Count
Not at all important		5.4%	2
Somewhat unimportant		2.7%	1
Neutral		10.8%	4
Somewhat important		16.2%	6
Very important		64.9%	24
<i>answered question</i>			37
<i>skipped question</i>			2

42. LEAVING ROAD KILL to DECAY on roadsides may cause health issues in humans.

		Response Percent	Response Count
Not at all important		5.4%	2
Somewhat unimportant		8.1%	3
Neutral		54.1%	20
Somewhat important		29.7%	11
Very important		2.7%	1
<i>answered question</i>			37
<i>skipped question</i>			2

43. NOT DEALING PROMPTLY with BEDBUG, TICK and COCKROACH INFESTATIONS lets them spread to other housing units and affects the health of other people.

	Response Percent	Response Count
Not at all important	0.0%	0
Somewhat unimportant 	2.7%	1
Neutral 	24.3%	9
Somewhat important 	59.5%	22
Very important 	13.5%	5
<i>answered question</i>		37
<i>skipped question</i>		2

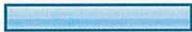
44. USING RADIOACTIVE MINE TAILINGS as CONSTRUCTION FILL allows leaching into soils and ground water with negative human health impacts.

	Response Percent	Response Count
Not at all important 	2.7%	1
Somewhat unimportant 	5.4%	2
Neutral 	5.4%	2
Somewhat important 	24.3%	9
Very important 	62.2%	23
<i>answered question</i>		37
<i>skipped question</i>		2

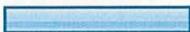
45. I want to offer an additional environmental health issue for consideration. (Please rate the issue on its importance and describe the issue below.)

	Response Percent	Response Count
Not at all important	0.0%	0
Somewhat unimportant	0.0%	0
Neutral 	57.1%	4
Somewhat important	0.0%	0
Very important 	42.9%	3
Please describe the environmental health issue you would like to add:		3
<i>answered question</i>		7
<i>skipped question</i>		32

46. The part of Garfield County I live in is:

	Response Percent	Response Count
North of I-70, east of Silt 	24.3%	9
South of I-70, east of Silt 	29.7%	11
North of I-70, Silt and west 	18.9%	7
South of I-70, Silt and west 	13.5%	5
I don't live in Garfield County 	13.5%	5
<i>answered question</i>		37
<i>skipped question</i>		2

47. The part of Garfield County I work in is:

	Response Percent	Response Count
North of I-70, east of Silt 	8.1%	3
South of I-70, east of Silt 	40.5%	15
North of I-70, Silt and west 	29.7%	11
South of I-70, Silt and west 	21.6%	8
I don't work in Garfield County	0.0%	0
	answered question	37
	skipped question	2

48. The community I live in or closest to is:

	Response Percent	Response Count
Battlement Mesa 	8.1%	3
Carbondale 	18.9%	7
Glenwood Springs 	21.6%	8
Newcastle 	16.2%	6
Parachute 	8.1%	3
Rifle 	18.9%	7
Silt 	8.1%	3
Other (please specify)	0.0%	0
	answered question	37
	skipped question	2

49. The community I work in or closest to is:

	Response Percent	Response Count
Battlement Mesa 	8.1%	3
Carbondale 	5.4%	2
Glenwood Springs 	35.1%	13
Newcastle 	2.7%	1
Parachute 	13.5%	5
Rifle 	29.7%	11
Silt 	5.4%	2
Other (please specify)	0.0%	0
<i>answered question</i>		37
<i>skipped question</i>		2

50. I have been living or working in Garfield County:

	Response Percent	Response Count
less than 5 years 	29.7%	11
5 or more years but less than 10 years 	10.8%	4
10 or more years but less than 20 years 	18.9%	7
20 or more years 	40.5%	15
<i>answered question</i>		37
<i>skipped question</i>		2

51. My age is:

		Response Percent	Response Count
Under 21		0.0%	0
21 to 39		18.9%	7
40 to 64		67.6%	25
65 or more years		13.5%	5
<i>answered question</i>			37
<i>skipped question</i>			2

- 11.5.7 Delphi Participant Comments, Organized by Round
- Round One's Added Issues and Comments
(4 pages)

Round One's Added Issues and Comments

Following is the list of issues added and comments made by respondents in Round One, ending April 22, 2010, of the effort to put Garfield County Environmental Health issues in priority order by consensus among Garfield County residents.

After each issue or comment is information about whether the issue or comment is being addressed for Round Two, beginning April 26, 2010.

Every comment will become part of the Final Report for the Garfield County C.A.R.E.S. Project. **C.A.R.E.S.** stands for **C**ommunity **A**ction for **R**esponsible **E**nvironmental **S**olutions.

1. Pollution, noise, dust, and the danger of accidents are all products of increased traffic. It is important to reduce traffic by allowing development in areas close to jobs or places close to mass transit.

Pollution, noise and dust are covered in existing issue statements. Increased traffic depends more significantly on land use regulation and transportation decision-making than on Environmental Health.

2. When county government approves urban level development it never requires developers to fully mitigate for impacts and as a result special districts are formed to address - sewer, water, recreation, fire - which is never a good way to create good government and sustainable communities. urban growth should be put into urban (City and Town) areas where urban services are part of the structure of government.

This issue depends more significantly on the State Constitution and land use regulation and transportation decision-making than on Environmental Health

3. People running their cars on idle to warm up before driving. Could we create a location for reporting such practices.

Emissions from vehicles are covered in an issue statement.

4. Road sand not cleaned off highways after storm cycles is a problem creating pm-10.

Dust from roadways is covered in an issue statement.

5. EMISSIONS that may include Volatile Organic Compounds (VOC's) and NOX from drilling next to ANY residence (not JUST Battlement Mesa) could affect the health of residents.

An existing issue statement has been modified to include this for Round Two.

6. RELEASE of RADIOACTIVE CONTAMINANTS or RAW NATURAL GAS into water, soil, and air from drilling anywhere in Garfield County, not JUST where a nuclear device was once detonated may cause health problems.

Radioactive release and raw natural gas venting are covered in existing issue statements.

7. Pit fumes, pit liners buried on site (PRIVATE PROPERTY) can cause health hazards including leaching of chemical compounds into water tables.

A new issue statement has been included in Round Two to cover this.

8. Energy efficiency and renewable energy programs to reduce energy use and employ less polluting energy sources is an important tool to address many environmental health issues.

Energy alternatives are covered in an existing issue statement.

9. Safe routes to schools - ensuring that the majority of the school population can walk or bike to school not only improves children's overall health, it reduces transportation costs (for school districts as well as households) and transportation related emissions.

This issue depends on land use regulation and transportation decision-making than on Environmental Health.

10. This survey appears to be directed at the oil and gas industry. I also, believe it is not the business of the state or the county government to supply trails, paths or whatever so that people can use them to get healthy. People will do what they want for their health.

The C.A.R.E.S. project is designed to bring out all Environmental Health issues of concern to Garfield County residents.

11. Occupational health and safety issues (workplace) all across the community to better understand work related fatalities, injuries, illnesses, and exposures. This will require partnerships between businesses, industry, local/state/federal public health, local health care providers etc.

A new issue statement has been included in Round Two to cover this.

12. Community based solutions to agricultural burning (currently exempt under current state regulations) and other open burning in Garfield County.

Burning is covered in an existing issue statement.

13. Continued support for community sustainability objectives (renewable energy projects etc.), and taking the lead in this region (progressive thinking) to solve real and perceived environmental health issues.

Community sustainability and energy alternatives are covered in an existing issue statement.

14. Leaving road kill animals on the side of roads and highways to decay may cause health issues in other animals and humans.

A new issue statement has been included in Round Two to cover this.

15. Cigarette smokers cause health problems for non-smokers.

Smoking is covered in an existing issue statement.

16. Inattention by tenants, property managers and local government to bed bug, tick and cockroach infestations. Unchecked, such pests spread throughout rental units and are most hazardous to infants and children.

A new issue statement has been included in Round Two to cover this.

17. More of a "meta-issue": The firm outsourced by Garfield County for this project was duly diligent in canvassing a broad spectrum of audiences. However, every GarCO department should be aware of the hurdles of serving its monolingual Spanish residents, who are radically undercounted but fund the County through daily purchases. Improving GarCO's env'l health awareness and service requires sustained outreach to this community on its own terms.

This issue is a significant one in many avenues of decision-making in addition to Environmental Health.

18. Emissions from diesel vehicles, both moving and idling, causing exposure to particulates and organic air pollutants.

Vehicle emissions are covered in existing issue statements.

19. Reliance on any fossil fuels that are pollution sources at development, production and utilizations stages in their life cycles are unnecessary for us to use here. There's no reason why money currently steered toward hydrocarbon use shouldn't be steered instead toward coops that front the funds for residential rooftop solar installations and recoup the investment over time in energy savings/fees from the homeowners. This would help free us from dependence on fossil fuels as well as pollution that causes a plethora of health problems.

Pollution from fossil fuels is covered in existing issue statements.

20. Vanadium and uranium mine tailings in buildings or yards and erodable soils.

A new issue statement has been included in Round Two to cover this.

21. The "brown" cloud that has been seen hanging over the I-70 Corridor, Rifle proper, Parachute/BM proper, New Castle proper, Silt proper..... a definite health issue.

Air pollution is covered in an existing issue statement.

22. related to #38 - development of a county-wide open space program where people feel safe to recreate (especially in the western Garfield County communities) - an area without hunting, gas development, or motorized travel etc. *note: sure, we have a bunch of "public land," but one risks being killed by a stray bullet or being run-over, harassed or feeling threatened by natural gas workers. The County has received significant severance, FML and property tax to off-set impacts from gas development - this would be a funding source for such a program.

Recreational opportunities are covered in an existing issue statement.

23. Waste pits at gas well drilling sites collect drilling fluids which leak into the ground and eventually to ground water.

A new issue statement has been included in Round Two to cover this.

Round 1 New E.H. Issues

INCONSISTENT HANDLING of WORKPLACE INJURIES, ILLNESSES and EXPOSURE to HAZARDOUS MATERIALS makes it hard to develop comprehensive occupational health and safety programs.

LEAVING ROAD KILL to DECAY on roadsides may cause health issues in other animals and humans.

NOT DEALING PROMPTLY with BEDBUG, TICK and COCKROACH INFESTATIONS lets them spread to other housing units and affect the health of other people.

LEACHING from WASTE PITS at DRILLING SITES and BURYING WASTE PIT LINERS on SITE may contaminate ground and surface water and harm human health.