

STATE OF WEST VIRGINIA

**UPDATE OF THE
PRELIMINARY PERFORMANCE REVIEW OF THE
OFFICE OF ENVIRONMENTAL ADVOCATE**

Citizens Guide to DEP not Published

**Survey Data Collected but Currently not
Evaluated by DEP**

**OFFICE OF LEGISLATIVE AUDITOR
Performance Evaluation and Research Division
Building 1, Room W-314
State Capitol Complex**

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PE98-21-113

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December 1998

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Antonio E. Jones, Ph.D.
Director

December 13, 1998

The Honorable Edwin J. Bowman
State Senate
129 West Circle Drive
Weirton, West Virginia 26062

The Honorable Vicki Douglas
House of Delegates
Building 1, Room E-213
1900 Kanawha Boulevard, East
Charleston, West Virginia 25305-0470

Dear Chairs:

Pursuant to the West Virginia Sunset Law, we are transmitting an Update of the Preliminary Performance Review of the *Office of Environmental Advocate*, which will be reported to the Joint Committee on Government Operations on Sunday, December 13, 1998. The issues covered herein are "*Citizens Guide to DEP not Published and Survey Data Collected but Currently not Evaluated by DEP.*"

We conducted an exit conference with the Office of Environmental Advocate on December 2, 1998.

Should you have any questions, let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "Antonio E. Jones".

Antonio E. Jones

AEJ/wsc

TABLE OF CONTENT

Executive Summary	7
Issue Area 1: The adoption of certain management control techniques would raise efficiency and quicken the rate of completion of goals and duties	9
Appendix A: Public Opinion Survey of Environmental Issues	11
Appendix B: Transmittal Letter and Agency Response	29

Executive Summary

The Office of Environmental Advocate (OEA) was created to provide the citizens of the state an avenue of education and input into the Environmental Protection system, and to provide the Department of Environmental Protection (DEP) with information concerning the public attitude toward DEP policies. In June 1996 the Performance Evaluation and Research Division issued a preliminary review on the OEA. In February 1997, an update on the report was completed which determined that two recommendations were still in the planning stages. These two recommendations were part of Issue 1. The OEA was found to be in compliance with all recommendations of Issue 2. The following were the issues raised in the 1996 report.

- Issue 1: The adoption of certain management control techniques would raise efficiency and quicken the rate of completion of goals and duties.
- Issue 2: The rules promulgated by the DEP for the operations of the Advocate's Office were improperly filed as Interpretive Rules instead of Legislative Rules.

The table below shows the levels of compliance to measure agency compliance with recommendations of the original report.

Levels of Compliance
<u>In Compliance</u> - The Council has corrected the problems identified in the preliminary review.
<u>Partial Compliance</u> - The Council has partially corrected the problems identified in the final draft of the audit report.
<u>Planned Compliance</u> - The Council has not corrected the problem but has provided sufficient documentary evidence to find that the agency will do so in the future.
<u>In Dispute</u> - The Council does not agree with either the problem identified or the proposed solution.
<u>Non-Compliance</u> - The Council has not corrected the problem identified in the final draft of the audit report.
<u>Requires Legislation</u> - Cannot be addressed by the Council because statutory change is necessary.

The OEA is in partial compliance with recommendation 4 (a poll of public opinion), and the agency is in non-compliance with recommendation 1 (an informal brochure of the DEP).

Issue Area 1: The adoption of certain management control techniques would raise efficiency and quicken the rate of completion of goals and duties.

The original preliminary performance review released in June of 1996 noted that certain goals established by the OEA were not completed. These goals were important to accomplishing the mission of the agency. Insufficient planning was cited as one problem. Two of the goals are described below in Recommendations one and four from the original report.

Recommendation 1

The OEA should complete the citizen's guide to the DEP and the informational brochures as soon as possible.

Level of Compliance: **Non-Compliance**

The recommendation for the OEA to complete a citizen's guide to the DEP and informational brochures was originally made more than two years ago, in June, 1996. This was a stated goal of the OEA and was considered an important one by the Legislative Auditor in achieving the OEA's mission. The OEA developed a brochure to familiarize the public with the Department of Environmental Protection (DEP) in the spring of 1998, prior to the former Environmental Advocate leaving her position. Despite the brochure being developed this long ago, it has not been sent to the publisher and distributed to the public. The OEA has recently hired a new Environmental Advocate, who started on November 2, 1998. The Legislative Auditor was informed that the brochure will not be printed until the new Environmental Advocate has reviewed it. The Legislative Auditor recommends that the OEA inform the Joint Committee on their progress during the May 1999 Interim meetings.

Recommendation 4

The OEA should use a scientific method of polling public opinion, even if it must contract for the service, to track the long term level of public satisfaction with the DEP.

Level of compliance: **In Compliance**

Another stated goal of the OEA was to evaluate public opinion on the quality and effectiveness of DEP's functions. The 1996 performance review recommended using a scientific method of polling public opinion. In 1997, the OEA initiated a public opinion survey to measure public opinion concerning environmental issues. The survey was completed by the West Virginia University Survey Research Center (WVUSRC) in June of 1998. Appendix A shows the frequency analysis of responses to questions asked. Some results from the survey were as follows:

- 31.0% of those surveyed did not feel the air in their community was polluted at all, while 6.4% felt their air was extremely polluted.

- 53.6% of those surveyed said that they did not have access to air quality information in their communities, and 37.7% of these people would like to have this information more often
- 62.7% of those surveyed were aware of proposed changes in air quality regulations, and of these 67% were supportive of the changes.
- More than 60% of those surveyed found River Protection Regulations and Water Pollution Regulations to not be restrictive enough.
- Over ½ found Timber Harvesting Regulations not restrictive enough.

According to the DEP, the information gathered will be used to educate the staff of the DEP and members of the WV Legislature on public opinion regarding the quality and effectiveness of environmental laws and regulations of the state. The data is accessible to the Director and staff of the DEP as well as to other agencies for use.

APPENDIX A

Public Opinion Survey of Environmental Issues

Frequencies (weighted by respondent)

RELX Respondent	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 Respondent	712	100.0	100.0	100.0
Total	712	100.0		

SEX2 Sex of Respondent	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 Male	342	48.0	48.0	48.0
2 Female	370	52.0	52.0	100.0
Total	712	100.0		

AGECAT Age of Respondent (categorized)	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 5.00 18 - 24	113	15.9	15.9	15.9
6.00 25 - 29	62	8.7	8.7	24.7
7.00 30 - 34	52	7.4	7.4	32.0
8.00 35 - 39	64	9.1	9.1	41.1
9.00 40 - 44	83	11.6	11.6	52.7
10.00 45 - 49	76	10.6	10.6	63.3
11.00 50 - 54	59	8.2	8.2	71.5
12.00 55 - 59	43	6.0	6.0	77.5
13.00 60 - 64	43	6.0	6.0	83.5
14.00 65 - 69	42	5.9	5.9	89.5
15.00 70 - 74	36	5.1	5.1	94.6
16.00 75 +	38	5.4	5.4	100.0
Total	712	100.0		

MSTATR Marital status of respondent	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 married	437	61.4	61.4	61.4
2 widowed	57	8.0	8.0	69.5
3 divorced	74	10.4	10.4	79.9
4 separated	4	.5	.5	80.4
5 married, apart	7	1.0	1.0	81.4
6 never married	132	18.6	18.6	100.0
Total	711	99.9	100.0	
Missing System Missing	1	.1		
Total	712	100.0		

SCHRCAT Years of schooling for Respondent (categorized)	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 2.00 1 - 5 (elementary)	5	.7	.7	.7
3.00 6 - 8 (middle)	38	5.4	5.4	6.0
4.00 9 - 12 (high)	350	49.2	49.2	55.3
5.00 13 - 15 (some college)	173	24.2	24.2	79.5
6.00 16 (college degree)	73	10.2	10.2	89.7
7.00 17+ (post grad)	73	10.3	10.3	100.0
Total	712	100.0		

HDEGR Respondent's highest degree earned	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 HS/GED	387	54.3	54.3	54.4
2 Business/Technical	45	6.3	7.5	61.9
3 Associate	39	5.5	6.5	68.4
4 Bachelor	75	10.6	12.6	81.0
5 Master	43	6.0	7.1	88.1
6 Doctorate	5	.7	.8	88.9
7 Professional	7	1.0	1.1	90.0
Total	712	100.0		

Missing System Missing	112	15.7
Total	112	15.7

REL2R Relation to Person 2	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 2 Spouse/Partner	461	64.8	72.4	72.4
3 Child/Step/	45	6.4	7.1	79.6
4 Parent	55	7.7	8.7	88.2
5 Sibling	31	4.3	4.8	93.0
6 Relative	7	1.0	1.2	94.2
7 Boarder	7	1.0	1.1	95.3
8 Other	30	4.2	4.7	100.0
Total	637	89.5	100.0	

Missing System Missing	75	10.5
Total	75	10.5

SEX2 Sex of Person 2	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 Male	321	45.1	50.6	50.6
2 Female	313	44.0	49.4	100.0
Total	634	89.1	100.0	
Missing System Missing	78	10.9		
Total	712	100.0		

AGE2CAT Age of person 2 (categorized)	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1.00 0 - 1	1	.1	.1	.1
2.00 2 - 5	3	.4	.4	.5
3.00 6 - 12	9	1.2	1.4	1.9
4.00 13 - 17	23	3.2	3.5	5.4
5.00 18 - 24	64	9.1	10.1	15.6
6.00 25 - 29	47	6.5	7.4	23.0
7.00 30 - 34	49	6.9	7.7	30.6
8.00 35 - 39	80	11.2	12.5	43.2
9.00 40 - 44	79	11.0	12.3	55.5
10.00 45 - 49	68	9.6	10.7	66.2
11.00 50 - 54	51	7.2	8.0	74.2
12.00 55 - 59	43	6.0	6.7	80.9
13.00 60 - 64	30	4.3	4.8	85.7
14.00 65 - 69	26	3.7	4.1	89.8
15.00 70 - 74	30	4.3	4.8	94.6
16.00 75 +	34	4.8	5.4	100.0
Total	637	89.5	100.0	
Missing System Missing	75	10.5		
Total	712	100.0		

MSTAT2 Marital Status of Person 2	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 married	483	67.8	75.9	75.9
2 widowed	17	2.3	2.6	78.5
3 divorced	22	3.1	3.5	82.0
4 separated	2	.3	.3	82.3
5 married, apart	11	1.5	1.7	84.0
6 never married	111	15.6	17.5	100.0
Total	636	89.4	100.0	
Missing System Missing	76	10.6		
Total	712	100.0		

SCH2CAT Years of schooling for person 2 (categorized)	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1 (00)	1	.1	.1	.1
2 (01)	1	.1	.1	.2
3 (02)	1	.1	.1	.3
4 (03)	1	.1	.1	.4
5 (04)	1	.1	.1	.5
6 (05)	1	.1	.1	.6
7 (06)	1	.1	.1	.7
8 (07)	1	.1	.1	.8
9 (08)	1	.1	.1	.9
10 (09)	1	.1	.1	1.0
Total	10	1.4		

2.00	1 - 5 (elementary)	12	1.7	1.9	2.6	9.00	40 - 44	25	3.5	6.0	82.9
3.00	6 - 8 (middle)	33	4.6	5.2	7.7	10.00	45 - 49	19	2.7	4.7	87.5
4.00	912 (high)	353	49.6	55.4	63.2	11.00	50 - 54	8	1.2	2.0	89.6
5.00	13 - 15 (some college)	115	16.2	18.1	81.3	12.00	55 - 59	12	1.7	3.0	92.6
6.00	16 (college degree)	59	8.2	9.2	90.5	13.00	60 - 64	7	1.0	1.5	94.2
7.00	17+ (post grad)	60	8.5	9.5	100.0	15.00	70 - 74	7	1.0	1.7	95.9
Total		637	89.5	100.0		16.00	75 +	47	2.4	4.1	100.0
Missing System Missing		75	10.5			Total		407	57.1		
Total		75	10.5			Missing System Missing		305	42.9		
		712	100.0			Total		712	100.0		
MSTAT3 Marital Status of Person 3											
Valid						Frequency Percent Valid Percent Cumulative Percent					
1	married	79	11.1	19.6		1	married	79	11.1	19.6	
2	widowed	14	1.9	3.4		2	widowed	14	1.9	3.4	
3	divorced	15	2.2	3.8		3	divorced	15	2.2	3.8	
4	separated	2	.2	.4		4	separated	2	.2	.4	
6	never married	294	41.4	72.8		6	never married	294	41.4	72.8	
Total		404	56.8	100.0		Total		404	56.8	100.0	
Missing System Missing		307	43.2			Missing System Missing		307	43.2		
Total		712	100.0			Total		712	100.0		
SCH3CAT Years of schooling for person 3 (categorized)											
Valid						Frequency Percent Valid Percent Cumulative Percent					
1.00	0 (no school)	51	7.2	12.7		1.00	0 (no school)	51	7.2	12.7	
2.00	1 - 5 (elementary)	57	8.0	14.0		2.00	1 - 5 (elementary)	57	8.0	14.0	
3.00	6 - 8 (middle)	47	6.6	11.5		3.00	6 - 8 (middle)	47	6.6	11.5	
4.00	9 - 12 (high)	154	21.6	37.9		4.00	9 - 12 (high)	154	21.6	37.9	
5.00	13 - 15 (some college)	59	8.3	14.6		5.00	13 - 15 (some college)	59	8.3	14.6	
6.00	16 (college degree)	17	2.3	4.1		6.00	16 (college degree)	17	2.3	4.1	
7.00	17+ (post grad)	21	3.0	5.3		7.00	17+ (post grad)	21	3.0	5.3	
Total		406	57.1	100.0		Total		406	57.1	100.0	
Missing System Missing		305	42.9			Missing System Missing		305	42.9		
Total		712	100.0			Total		712	100.0		
HIDEG3 Highest degree of person 3											
Valid						Frequency Percent Valid Percent Cumulative Percent					
1	HS/GED	134	18.9	78.4		1	HS/GED	134	18.9	78.4	
2	Business/Technical	4	.5	2.1		2	Business/Technical	4	.5	2.1	
3	Associate	12	1.6	6.7		3	Associate	12	1.6	6.7	
4	Bachelor	16	2.3	9.5		4	Bachelor	16	2.3	9.5	
5	Master	2	.3	1.4		5	Master	2	.3	1.4	
7	Professional	3	.5	1.9		7	Professional	3	.5	1.9	
Total		171	24.1	100.0		Total		171	24.1	100.0	
Missing System Missing		540	75.9			Missing System Missing		540	75.9		
Total		712	100.0			Total		712	100.0		
RELR4 Relation to Person 4											
Valid						Frequency Percent Valid Percent Cumulative Percent					
1	Respondent	1	.1	.2		1	Respondent	1	.1	.2	
2	Spouse/Partner	11	1.5	4.5		2	Spouse/Partner	11	1.5	4.5	
3	Child/Step/	156	21.9	63.4		3	Child/Step/	156	21.9	63.4	
4	Parent	28	4.0	11.5		4	Parent	28	4.0	11.5	
5	Sibling	35	4.9	14.2		5	Sibling	35	4.9	14.2	
6	Relative	5	.7	2.1		6	Relative	5	.7	2.1	
Total		212	29.9	100.0		Total		212	29.9	100.0	

8	Other	10	1.4	4.0	100.0
	Total	246	34.5	100.0	
	Missing System Missing	466	65.5		
	Total	466	65.5		
	Total	712	100.0		

SEX4 Sex of Person 4					
Frequency Percent Valid Percent Cumulative Percent					
Valid	1 Male	139	19.5	56.7	56.7
	2 Female	106	14.9	43.3	100.0
	Total	245	34.5	100.0	
	Missing System Missing	467	65.5		
	Total	467	65.5		
	Total	712	100.0		

AGE4CAT Age of person 4 (categorized)					
Frequency Percent Valid Percent Cumulative Percent					
Valid	1.00 0 - 1	13	1.8	5.1	5.1
	2.00 2 - 5	32	4.6	13.2	18.3
	3.00 6 - 12	64	9.0	26.0	44.3
	4.00 13 - 17	52	7.3	21.2	65.6
	5.00 18 - 24	36	5.0	14.6	80.1
	6.00 25 - 29	3	.5	1.4	81.5
	7.00 30 - 34	2	.3	.8	82.3
	8.00 35 - 39	9	1.3	3.7	86.0
	9.00 40 - 44	9	1.2	3.6	89.5
	10.00 45 - 49	10	1.4	3.9	93.4
	11.00 50 - 54	3	.4	1.2	94.6
	12.00 55 - 59	2	.3	1.0	95.5
	13.00 60 - 64	2	.3	.8	96.3
	14.00 65 - 69	2	.3	.8	97.1
	15.00 70 - 74	2	.3	.8	97.9
	16.00 75 +	9	1.3	3.7	100.0
	Total	246	34.5	100.0	
	Missing System Missing	466	65.5		
	Total	466	65.5		
	Total	712	100.0		

MSTAT4 Marital Status of Person 4					
Frequency Percent Valid Percent Cumulative Percent					
Valid	1 married	24	3.4	10.0	10.0
	2 widowed	8	1.1	3.1	13.1
	3 divorced	2	.3	1.0	14.1
	4 separated	2	.3	.8	14.9
	5 separated apart	7	.9	2.0	16.9
	6 married married	202	28.4	83.1	100.0
	Total	243	34.2	100.0	
	Missing System Missing	468	65.8		
	Total	468	65.8		
	Total	712	100.0		

SCH4CAT Years of schooling for person 4 (categorized)					
Frequency Percent Valid Percent Cumulative Percent					
Valid	1.00 0	49	6.8	19.9	19.9
	2.00 1 - 5 (no school)	49	6.9	20.1	40.0
	3.00 6 - 8 (elementary)	45	6.3	18.4	58.5
	4.00 9 - 12 (middle)	64	8.9	26.0	84.5
	5.00 13 - 15 (some college)	23	3.2	9.4	93.9
	6.00 16 (college degree)	3	.4	1.2	95.0
	7.00 17+ (post grad)	12	1.7	5.0	100.0
	Total	245	34.4	100.0	
	Missing System Missing	467	65.6		
	Total	467	65.6		
	Total	712	100.0		

HIDE64 Highest degree of person 4					
Frequency Percent Valid Percent Cumulative Percent					
Valid	1.00 0	467	65.6	65.6	65.6
	2.00 1 - 5 (no school)	25	3.6	27.9	27.9
	3.00 6 - 8 (elementary)	20	2.8	22.0	49.8
	4.00 9 - 11 (middle)	11	1.5	14.1	64.9
	5.00 12 - 14 (high school)	11	1.5	14.1	80.0
	6.00 15 (college)	11	1.5	14.1	95.1
	7.00 16 (graduate)	11	1.5	14.1	100.0
	Total	506	71.2	100.0	
	Missing System Missing	467	65.8		
	Total	467	65.8		
	Total	712	100.0		

REIRS Relation to Person 5					
Frequency Percent Valid Percent Cumulative Percent					
Valid	2 Spouse/Partner	2	.3	2.1	2.1
	3 Child/Step/	59	8.3	64.6	66.7
	4 Parent	6	.8	6.4	73.1
	5 Sibling	8	1.2	9.2	82.2
	6 Relative	10	1.4	10.6	92.9
	8 Other	7	.9	7.1	100.0
	Total	91	12.8	100.0	
	Missing System Missing	620	87.2		
	Total	620	87.2		
	Total	712	100.0		

SEX5 Sex of Person 5					
Frequency Percent Valid Percent Cumulative Percent					
Valid	1 Male	42	5.9	45.8	45.8
	2 Female	50	7.0	54.2	100.0
	Total	91	12.8	100.0	
	Missing System Missing	620	87.2		
	Total	620	87.2		
	Total	712	100.0		

AGE5CAT Age of person 5 (categorized)					
Frequency Percent Valid Percent Cumulative Percent					
Valid	1.00 0 - 1	9	1.3	9.8	9.8
	2.00 2 - 5	16	2.3	17.9	27.7
	3.00 6 - 12	24	3.4	26.6	54.3
	4.00 13 - 17	21	2.9	22.6	77.0
	5.00 18 - 24	10	1.3	10.4	87.4
	6.00 25 - 29	1	.2	1.4	88.8
	7.00 30 - 34	2	.3	2.0	90.8
	8.00 35 - 39	3	.4	2.8	93.6
	9.00 40 - 44	6	.8	6.4	100.0
	Total	91	12.8	100.0	
	Missing System Missing	620	87.2		
	Total	620	87.2		
	Total	712	100.0		

MSTAT5 Marital Status of Person 5					
Frequency Percent Valid Percent Cumulative Percent					
Valid	1 married	6	.8	6.4	6.4
	3 divorced	1	.2	1.4	7.8
	6 never married	84	11.8	92.2	100.0
	Total	91	12.8	100.0	
	Missing System Missing	620	87.2		
	Total	620	87.2		
	Total	712	100.0		

SCH5CAT Years of schooling for person 5 (categorized)					
Frequency Percent Valid Percent Cumulative Percent					
Valid	1.00 0	25	3.6	27.9	27.9
	2.00 1 - 5 (no school)	20	2.8	22.0	49.8
	3.00 6 - 8 (elementary)	11	1.5	14.1	64.9
	4.00 9 - 11 (middle)	11	1.5	14.1	80.0
	5.00 12 - 14 (high school)	11	1.5	14.1	95.1
	6.00 15 (college)	11	1.5	14.1	100.0
	Total	506	71.2	100.0	
	Missing System Missing	467	65.8		
	Total	467	65.8		
	Total	712	100.0		

18 Jackson	14	1.9	32.6
19 Jefferson	16	2.2	44.8
20 Kanawha	70	9.8	44.6
21 Lewis	2	1.3	45.0
22 Logan	10	1.5	46.4
23 Lincoln	28	3.9	50.3
24 McDowell	11	1.5	51.8
25 Marion	20	2.9	54.7
26 Marshall	15	2.1	56.8
27 Mason	7	1.0	57.8
28 Mercer	29	4.0	61.9
29 Mineral	9	1.3	63.2
30 Mingo	9	1.3	64.4
31 Monongalia	40	5.6	70.1
32 Monroe	4	.6	70.7
33 Morgan	3	.4	71.0
34 Nicholas	11	1.5	72.6
35 Ohio	11	1.6	74.2
36 Pendleton	4	.6	74.7
37 Pleasants	2	.3	75.1
38 Pocahontas	2	.3	75.3
39 Preston	8	1.1	76.4
40 Putnam	22	3.1	79.6
41 Raleigh	33	4.6	84.2
42 Randolph	10	1.4	85.6
43 Ritchie	1	.1	85.7
44 Roane	4	.6	86.3
45 Summers	5	.7	87.0
46 Taylor	4	.5	87.5
47 Tucker	1	.2	87.6
48 Tyler	5	.6	88.3
49 Upshur	10	1.4	89.7
50 Wayne	11	1.6	91.2
51 Webster	4	.5	91.8
52 Wetzel	10	1.4	93.2
53 Wirt	4	.6	93.7
54 Wood	32	4.5	98.2
55 Wyoming	13	1.8	100.0
Total	712	100.0	100.0

RESAREG RESA region			
Valid	1	13.2	13.2
2	101	14.2	27.4
3	114	16.0	43.5
4	51	7.2	50.7
5	67	9.4	60.1
6	64	9.0	69.0
7	147	20.6	89.6
8	74	10.4	100.0
Total	712	100.0	100.0

BRNCNTY R Born in this county?			
Valid	1	45.4	45.4
2	323	45.5	90.9
Total	323	100.0	100.0
Missing	7	1.0	1.0
Total	1	1.0	1.0

WHRBORN Born in WV, other state, other country			
Valid	1	27.5	27.5
2	186	26.1	53.6
3	6	.8	54.4
Total	193	100.0	100.0
Missing	8	1.1	1.1
Total	1	1.1	1.1

Total	712	100.0
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CNTYCITY Live in open country or town/city			
Valid	1	44.5	44.5
2	317	44.6	89.1
Total	318	100.0	100.0
Missing	7	1.0	1.0
Total	1	1.0	1.0

RNEEDMET Has income met basic needs			
Valid	1	87.4	87.4
2	622	87.4	174.8
Total	623	100.0	100.0
Missing	7	1.0	1.0
Total	1	1.0	1.0

RNEED1 Basic need not met #1			
Valid	2	1.2	1.2
4	1	.9	2.1
5	2	2.9	5.0
6	3	3.6	8.6
7	1	1.0	9.7
10	3	4.3	13.9
11	2	2.1	16.0
12	1	1.5	17.5
13	5	6.3	23.9
15	1	1.2	25.1
20	7	8.1	33.2
22	1	1.7	34.9
24	1	.8	35.7
30	7	8.1	43.8
31	1	.6	44.4
40	10	11.9	56.3
50	1.5	13.6	69.9
51	2	2.0	71.9
60	1	1.7	73.6
75	0	.6	74.2
80	13	15.8	89.9
81	1	.9	90.9
82	2	2.1	93.0
85	1	1.5	94.5
86	1	1.0	95.5
90	2	2.4	98.0
101	2	2.0	100.0
Total	81	11.4	100.0
Missing	777	1.1	1.1
888	1	1.1	1.1
999	1	1.1	1.1
Total	1	1.1	1.1

RESAREG RESA region			
Valid	1	45.4	45.4
2	323	45.5	90.9
Total	323	100.0	100.0
Missing	7	1.0	1.0
Total	1	1.0	1.0

WHRBORN Born in WV, other state, other country			
Valid	1	27.5	27.5
2	186	26.1	53.6
3	6	.8	54.4
Total	193	100.0	100.0
Missing	8	1.1	1.1
Total	1	1.1	1.1

System Missing			
Total	628	88.3	
Total	631	88.6	

Total		712		100.0	
BNEED2	Basic need not met #2				
Percent Valid		Frequency	Percent Valid	Percent Cumulative	
1	TRANSPORTATION/Unspecif	1	.1	2.0	2.0
3	Automobile insurance	1	.2	2.9	4.9
5	Auto	1	.2	3.2	8.1
7	Insurance, unspecified	1	.1	1.9	10.0
10	MEDICAL/HEALTH/Unspeci	2	.3	5.0	15.0
13	Medical bills/expenses	2	.3	4.2	19.2
15	Dental care	2	.2	3.4	22.6
22	Extra money/recreation	2	.3	5.2	27.9
30	UTILITIES (including g	8	1.1	16.7	44.6
32	Electric	1	.1	1.6	46.2
40	Food	8	1.1	16.6	62.8
50	SHELTER/HOUSING/PAYMENT	4	.5	7.7	70.5
51	House Upkeep/improveme	3	.4	6.7	77.2
53	Furniture	1	.1	1.7	78.9
54	Fuel Oil	2	.2	3.7	82.6
60	Clothing	1	.1	1.4	84.0
65	Credit card bills	1	.1	1.7	85.6
70	Vacation	0	.1	1.1	86.7
80	Bills (general)	1	.2	2.6	89.3
90	Other basic needs/not	3	.4	6.4	95.7
100	Loans/Unspecified	2	.3	4.3	100.0
Total		46	6.4	100.0	
Missing System Missing		666	93.6		
Total		666	712	93.6	100.0
RWORKSIT	Respondent's work situation last week				
Percent Valid		Frequency	Percent Valid	Percent Cumulative	
1	Working	362	50.9	51.1	51.1
2	With a job, but not	18	2.5	2.5	53.6
3	With a job, but temporar	8	1.1	1.1	54.6
4	Looking for work	21	3.0	3.0	57.6
5	Not looking for work	6	.9	.9	58.5
6	Keeping house	87	12.3	12.3	70.8
7	Going to school	51	7.2	7.2	78.1
8	Unable to work due to di	46	6.4	6.5	84.5
9	Unable to work for other	6	.9	.9	85.4
10	Retired	104	14.5	14.6	100.0
Total		709	99.7	100.0	
Missing 77	Don't Know	2	.3		
Total		2	.3		
Total		712	100.0		
UNIONMBR	Is R a union member				
Valid		Frequency	Percent Valid	Percent Cumulative	Percent
1	Yes	97	13.6	13.6	13.6
2	No	402	56.4	70.0	83.6
Total		500	70.0	100.0	
Missing 100	Don't Know	1	.1		
Total		1	.1		

System Missing 211		712		29.6	
Total		212	29.8	100.0	
TYUNION	Type of union R belongs to				
Percent Valid		Frequency	Percent Valid	Percent Cumulative	Percent
1	Postal workers	3	.4	3.1	3.1
3	Automobile industry	5	.7	4.9	8.0
4	Coal miners	13	1.9	13.7	21.7
6	Federal government	1	.1	.9	22.6
7	Retail/Wholesale De	3	.4	2.6	25.2
8	Transportation	2	.3	2.1	27.3
9	Communications tel	2	.3	2.1	29.1
10	Chemical workers	8	1.2	8.6	37.8
11	Steel workers	11	1.5	10.9	48.6
12	Education	15	2.1	15.1	63.8
13	Grocery store employees	6	.8	5.8	69.6
15	Electrical/industrial	2	.2	1.7	71.3
16	Textile workers	1	.1	.8	72.1
17	Health care	3	.5	3.5	75.6
18	Glass and flint worker	2	.2	1.6	77.2
21	Corrections	1	.1	.7	77.9
22	Musicians and Entertai	1	.1	1.0	78.9
23	Construction	7	1.0	7.2	86.1
24	Service personnel	2	.3	1.9	88.0
25	Railway clerks and Car	2	.2	1.8	89.8
27	WV State Employees	2	.3	2.4	92.2
28	Machinists	1	.1	.9	93.2
33	Housekeeping	1	.2	1.3	94.5
34	APLCO (general)	1	.1	.7	95.2
35	Other metal workers in	3	.4	2.6	97.8
36	Utility workers, unspe	1	.1	1.0	98.8
888	Missing	1	.2	1.2	100.0
Total		97	13.7	100.0	
Missing System Missing		615	86.3		
Total		615	86.3		
HRSWORK	Number hours R works				
Valid		Frequency	Percent Valid	Percent Cumulative	Percent
7		4	.6	1.1	1.1
8		1	.1	.2	1.3
10		2	.3	.5	1.8
12		4	.5	.9	2.7
15		2	.3	3.2	3.2
16		2	.2	4.4	3.6
17		1	.2	4.0	4.0
18		4	.6	1.1	5.0
19		1	.1	2.2	5.2
20		12	1.7	3.2	8.4
24		2	.3	.6	9.0
25		12	1.7	3.1	12.1
28		1	.2	4.4	12.5
30		14	2.0	3.8	16.3
32		1	.4	.7	16.7
33		1	.1	1.1	17.1
34		1	.1	1.1	17.1
35		1	.1	1.1	17.1
36		1	.1	1.1	17.1
37		1	.1	1.1	17.1
38		1	.1	1.1	17.1
39		1	.1	1.1	17.1
40		1	.1	1.1	17.1
41		1	.1	1.1	17.1
42		1	.1	1.1	17.1
43		1	.1	1.1	17.1
44		1	.1	1.1	17.1
45		1	.1	1.1	17.1
46		1	.1	1.1	17.1
47		1	.1	1.1	17.1
48		1	.1	1.1	17.1
49		1	.1	1.1	17.1
50		1	.1	1.1	17.1
51		1	.1	1.1	17.1
52		1	.1	1.1	17.1
53		1	.1	1.1	17.1
54		1	.1	1.1	17.1
55		1	.1	1.1	17.1
56		1	.1	1.1	17.1
57		1	.1	1.1	17.1
58		1	.1	1.1	17.1
59		1	.1	1.1	17.1
60		1	.1	1.1	17.1
61		1	.1	1.1	17.1
62		1	.1	1.1	17.1
63		1	.1	1.1	17.1
64		1	.1	1.1	17.1
65		1	.1	1.1	17.1
66		1	.1	1.1	17.1
67		1	.1	1.1	17.1
68		1	.1	1.1	17.1
69		1	.1	1.1	17.1
70		1	.1	1.1	17.1
71		1	.1	1.1	17.1
72		1	.1	1.1	17.1
73		1	.1	1.1	17.1
74		1	.1	1.1	17.1
75		1	.1	1.1	17.1
76		1	.1	1.1	17.1
77		1	.1	1.1	17.1
78		1	.1	1.1	17.1
79		1	.1	1.1	17.1
80		1	.1	1.1	17.1
81		1	.1	1.1	17.1
82		1	.1	1.1	17.1
83		1	.1	1.1	17.1
84		1	.1	1.1	17.1
85		1	.1	1.1	17.1
86		1	.1	1.1	17.1
87		1	.1	1.1	17.1
88		1	.1	1.1	17.1
89		1	.1	1.1	17.1
90		1	.1	1.1	17.1
91		1	.1	1.1	17.1
92		1	.1	1.1	17.1
93		1	.1	1.1	17.1
94		1	.1	1.1	17.1
95		1	.1	1.1	17.1
96		1	.1	1.1	17.1
97		1	.1	1.1	17.1
98		1	.1	1.1	17.1
99		1	.1	1.1	17.1
100		1	.1	1.1	17.1

MNTHSJOB	Number months R at job	Frequency	Percent	Valid	Percent	Cumulative	Percent
Valid 0	8	1.2	2.2	2.2	2.2	2.2	
1	5	7	1.4	1.4	3.6		
2	3	9	1.7	1.4	5.2		
3	9	1.3	2.6	7.6			
4	3	4	.8	8.4			
5	3	4	.8	9.2			
6	16	2.2	4.2	13.3			
7	7	.7	1.4	14.7			
8	6	.8	1.5	16.2			
9	3	.4	.7	16.9			
10	3	.4	.7	17.6			
11	22	3.1	5.7	23.4			
12	1	.1	.2	23.6			
13	1	.1	.2	24.0			
14	2	.2	.4	24.7			
15	3	.4	.7	25.6			
16	3	.5	.9	26.8			
17	4	.6	1.2	26.8			
18	16	2.2	4.2	31.0			
19	1	.1	.2	31.2			
20	1	.1	.2	31.4			
21	27	3.7	7.0	38.5			
22	0	.1	.2	38.6			
23	3	.4	.8	39.4			
24	1	.1	.2	39.6			
25	20	2.8	5.3	44.9			
26	0	.1	.2	45.1			
27	2	.2	.4	45.5			
28	4	.6	1.1	46.5			
29	2	.3	.5	47.1			
30	1	.1	.2	47.3			
31	1	.1	.2	53.1			
32	22	3.1	5.8	53.3			
33	1	.1	.2	53.7			
34	2	.2	.4	57.2			
35	13	1.9	3.5	57.2			
36	1	.1	.2	57.7			
37	1	.1	.2	57.7			
38	1	.1	.2	57.7			
39	1	.1	.2	57.7			
40	1	.1	.2	57.7			
41	1	.1	.2	57.7			
42	1	.1	.2	57.7			
43	1	.1	.2	57.7			
44	1	.1	.2	57.7			
45	1	.1	.2	57.7			
46	1	.1	.2	57.7			
47	1	.1	.2	57.7			
48	1	.1	.2	57.7			
49	1	.1	.2	57.7			
50	1	.1	.2	57.7			
51	1	.1	.2	57.7			
52	1	.1	.2	57.7			
53	1	.1	.2	57.7			
54	1	.1	.2	57.7			
55	1	.1	.2	57.7			
56	1	.1	.2	57.7			
57	1	.1	.2	57.7			
58	1	.1	.2	57.7			
59	1	.1	.2	57.7			
60	1	.1	.2	57.7			
61	1	.1	.2	57.7			
62	1	.1	.2	57.7			
63	1	.1	.2	57.7			
64	1	.1	.2	57.7			
65	1	.1	.2	57.7			
66	1	.1	.2	57.7			
67	1	.1	.2	57.7			
68	1	.1	.2	57.7			
69	1	.1	.2	57.7			
70	1	.1	.2	57.7			
71	1	.1	.2	57.7			
72	1	.1	.2	57.7			
73	1	.1	.2	57.7			
74	1	.1	.2	57.7			
75	1	.1	.2	57.7			
76	1	.1	.2	57.7			
77	1	.1	.2	57.7			
78	1	.1	.2	57.7			
79	1	.1	.2	57.7			
80	1	.1	.2	57.7			
81	1	.1	.2	57.7			
82	1	.1	.2	57.7			
83	1	.1	.2	57.7			
84	1	.1	.2	57.7			
85	1	.1	.2	57.7			
86	1	.1	.2	57.7			
87	1	.1	.2	57.7			
88	1	.1	.2	57.7			
89	1	.1	.2	57.7			
90	1	.1	.2	57.7			
91	1	.1	.2	57.7			
92	1	.1	.2	57.7			
93	1	.1	.2	57.7			
94	1	.1	.2	57.7			
95	1	.1	.2	57.7			
96	1	.1	.2	57.7			
97	1	.1	.2	57.7			
98	1	.1	.2	57.7			
99	1	.1	.2	57.7			
100	1	.1	.2	57.7			
Total	378	53.2	100.0				
Missing 777	Don't Know	0					
888	Missing	2					
System Missing	331	46.5					
Total	333	46.8					
Total	712	100.0					

PIEWORK	PIE work situation last week (Primary Income Earner)	Frequency	Percent	Valid	Percent	Cumulative	Percent
Valid 1	Working	238	33.5	238	33.5	33.5	72.2
2	With a job, but not	6	.8	6	.8	34.3	74.0
3	With a job, but temp	4	.5	4	.5	34.8	75.1
5	Keeping house	4	.6	4	.6	35.4	76.4
6	Going to school	5	.7	5	.7	36.1	77.8
7	Unable to work due to di	15	2.2	15	2.2	38.3	82.4
8	Unable to work for other	4	.6	4	.6	38.9	83.7
9	Retired	54	7.5	54	7.5	46.4	100.0
Total		330	46.3	330	46.3	100.0	
Missing 77	Don't Know	6		6			
888	Missing	1		1			
System Missing	333	46.8		333	46.8		
Total	712	100.0		712	100.0		

WHOPIE		Who is PIE in HH (Primary Income Earner)	
Percent Valid	Frequency	Percent Valid	Cumulative Percent
Valid	1	.1	
Missing	372	52.3	
Total	382	53.7	
Total	712	100.0	
WHOPIE Who is PIE in HH (Primary Income Earner)			
Percent Valid	Frequency	Percent Valid	Cumulative Percent
1 Respondent/Self	290	40.8	46.1
2 Spouse/Partner	216	30.4	34.4
3 Son/step/inlaw	3	.4	.4
5 Mother/step	16	2.2	2.5
6 Father/step	52	7.3	8.2
7 Sister/step	1	.1	.1
8 Brother/step	4	.6	.7
9 Share Equally	39	5.4	6.2
10 Other (not listed)	9	1.3	1.5
Total	629	88.4	100.0
Missing	99	refused	7
System Missing			75
Total			82
Total			712

RATEAIR		Rate air pollution in community	
Percent Valid	Frequency	Percent Valid	Cumulative Percent
1 not at all polluted	212	29.8	30.1
2	253	35.6	36.0
3	138	19.4	19.6
4	59	8.3	8.4
5 extremely polluted	42	5.9	6.0
Total	705	99.0	100.0
Missing	7	don't know	6
8 missing	1		.2
Total	7	1.0	100.0

AIRSOURC		Routine info air quality	
Percent Valid	Frequency	Percent Valid	Cumulative Percent
1 Yes	284	39.8	45.3
2 no	342	48.0	54.7
Total	625	87.9	100.0
Missing	86	don't know	12.0
8 missing	1		.1
Total	86	12.1	100.0

OFTINFO		How often air quality info available	
Percent Valid	Frequency	Percent Valid	Cumulative Percent
1 daily	149	20.9	63.8
2 weekly	39	5.5	16.9
3 monthly	36	5.0	15.3
4 biweekly	10	1.3	4.1
Total	234	32.8	100.0
Missing	7	don't know	47
8 missing	3		.4
System Missing			60.2
Total	478	67.2	100.0

MOREINFO		Would like info more often	
Percent Valid	Frequency	Percent Valid	Cumulative Percent
1 Yes	103	14.5	39.3
2 no	159	22.4	60.7
Total	263	36.9	100.0
Missing	7	don't know	16
8 missing	5		.7
System Missing			60.2
Total	449	63.1	100.0

LIKEINFO		Would like air quality info	
Percent Valid	Frequency	Percent Valid	Cumulative Percent
1 Yes	254	35.7	61.9
2 no	157	22.0	38.1
Total	411	57.8	100.0
Missing	7	don't know	15
8 missing	1		.1
9 refused	1		.2
System Missing			284
Total	301	42.2	100.0

NMASTHMA		asthma num in hh	
Percent Valid	Frequency	Percent Valid	Cumulative Percent
0	549	77.2	77.3
1	127	17.8	17.8
2	29	4.1	4.1
3	6	.8	.8
Total	711	99.9	100.0
Missing	99	refused	1
Total	1		.1
Total			712

ASMAGE1		asthma age pl	
Percent Valid	Frequency	Percent Valid	Cumulative Percent
1	1	.2	.9
2	2	.3	1.2
3	5	.7	2.9
4	1	.1	.5
6	4	.6	2.7
7	2	.3	1.2
8	1	.1	.5
9	4	.5	2.4
10	1	.1	.5
11	2	.2	1.0
12	1	.1	.5
13	2	.2	.9
15	5	.6	2.9
16	3	.4	1.6
17	2	.3	1.5
18	12	1.7	7.5
19	4	.5	2.3
20	2	.3	1.5
21	3	.4	1.9
22	3	.4	1.9
23	2	.3	1.2
24	3	.4	1.6
25	1	.2	.9
26	2	.3	1.4
27	2	.3	1.4
28	1	.1	.4
29	2	.2	.9
30	1	.2	.8
32	5	.7	2.9
34	2	.3	1.3
35	1	.1	.4
36	2	.3	1.4
37	1	.1	.4
38	6	.8	3.9
39	4	.6	2.7
40	6	.8	3.9
41	2	.3	1.2
42	2	.3	1.2
43	4	.5	2.4
44	5	.7	2.9

45	7	1.0	4.4	74.0
47	3	.4	1.8	75.8
48	3	.4	1.7	77.5
49	0	.1	.3	77.8
50	2	.2	1.0	78.8
51	0	.1	.3	79.1
52	4	.6	2.7	81.8
55	2	.3	1.1	82.9
56	2	.8	3.5	86.4
57	6	.2	.9	87.3
61	2	.3	1.3	88.6
62	3	.3	1.3	89.9
63	2	.2	1.2	91.1
64	1	.5	1.5	91.6
65	2	.3	1.3	92.8
66	1	.6	1.6	93.4
68	2	.3	1.2	94.6
69	0	.1	.3	94.9
70	2	.3	1.3	96.2
72	0	.1	.3	96.5
74	1	.3	1.4	96.8
76	1	.2	.9	97.7
81	1	.1	.4	98.1
84	2	.3	1.1	99.3
87	1	.2	.7	100.0
Total	162	22.7	100.0	
Missing System Missing	550	77.3		
Total	712	100.0		
ASMSMOK2 asthma age p2				
Valid	2	.2	4.8	4.8
4	2	.3	5.6	10.5
7	1	.1	5.4	15.9
9	1	.1	2.0	17.9
10	2	.2	2.4	20.2
12	4	.6	4.9	25.1
13	5	.7	11.3	36.4
15	2	.3	5.1	50.5
16	1	.1	2.4	55.6
18	1	.2	3.1	61.2
19	4	.5	10.7	71.9
20	1	.2	4.2	76.1
21	2	.3	5.4	81.5
22	1	.2	3.8	85.3
24	0	.1	1.4	86.7
35	1	.1	2.5	89.2
51	1	.2	3.7	92.9
75	1	.1	2.9	95.8
77	1	.2	4.2	99.8
Total	25	4.9	100.0	
Missing System Missing	677	95.1		
Total	677	95.1		
ASMSMOK3 asthma age p3				
Valid	1	.1	28.8	28.8
10.00	2	.2	19.8	48.5
10.00	1	.1	11.7	60.2
12.00	1	.1	14.7	74.9
22.00	1	.2	25.1	100.0
Total	6	.8	100.0	
Missing System Missing	706	99.2		
Total	706	99.2		
ASMSMOK4 asthma age p4				
Valid	1	.1	1.8	1.8
2	2	.3	2.4	4.3
4	1	.1	1.5	5.8
6	2	.2	2.2	8.0
7	1	.1	1.2	9.2
10	2	.2	1.4	10.6
12	2	.2	1.4	12.0
16	4	.6	3.4	15.4
17	1	.1	.6	16.0
18	9	1.3	8.0	24.0
23	1	.2	1.2	25.2
26	2	.3	2.0	27.2
27	2	.2	1.4	28.6
28	1	.1	.7	29.3
29	1	.1	.6	29.9
30	1	.1	.7	30.6
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK5 asthma smoke p1				
Valid	1	.1	1.6	1.6
3	2	.3	2.4	4.0
4	1	.1	1.4	5.4
6	2	.2	2.2	7.6
7	1	.1	1.2	8.8
10	2	.2	1.4	10.2
12	2	.2	1.4	11.6
16	4	.6	3.4	15.0
17	1	.1	.6	15.6
18	9	1.3	8.0	23.6
23	1	.2	1.2	24.8
26	2	.3	2.0	26.8
27	2	.2	1.4	28.2
28	1	.1	.7	28.9
29	1	.1	.6	29.5
30	1	.1	.7	30.2
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK6 asthma smoke p2				
Valid	1	.1	1.8	1.8
2	2	.3	2.4	4.2
4	1	.1	1.4	5.6
6	2	.2	2.2	7.8
7	1	.1	1.2	9.0
10	2	.2	1.4	10.4
12	2	.2	1.4	11.8
16	4	.6	3.4	15.2
17	1	.1	.6	15.8
18	9	1.3	8.0	24.1
23	1	.2	1.2	25.3
26	2	.3	2.0	27.3
27	2	.2	1.4	28.7
28	1	.1	.7	29.4
29	1	.1	.6	30.0
30	1	.1	.7	30.7
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK7 asthma smoke p3				
Valid	1	.1	1.6	1.6
3	2	.3	2.4	4.0
4	1	.1	1.4	5.4
6	2	.2	2.2	7.6
7	1	.1	1.2	8.8
10	2	.2	1.4	10.2
12	2	.2	1.4	11.6
16	4	.6	3.4	15.0
17	1	.1	.6	15.6
18	9	1.3	8.0	23.9
23	1	.2	1.2	25.1
26	2	.3	2.0	27.1
27	2	.2	1.4	28.5
28	1	.1	.7	29.2
29	1	.1	.6	29.8
30	1	.1	.7	30.5
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK8 asthma smoke p4				
Valid	1	.1	1.6	1.6
3	2	.3	2.4	4.0
4	1	.1	1.4	5.4
6	2	.2	2.2	7.6
7	1	.1	1.2	8.8
10	2	.2	1.4	10.2
12	2	.2	1.4	11.6
16	4	.6	3.4	15.0
17	1	.1	.6	15.6
18	9	1.3	8.0	23.9
23	1	.2	1.2	25.1
26	2	.3	2.0	27.1
27	2	.2	1.4	28.5
28	1	.1	.7	29.2
29	1	.1	.6	29.8
30	1	.1	.7	30.5
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK9 asthma smoke p5				
Valid	1	.1	1.6	1.6
3	2	.3	2.4	4.0
4	1	.1	1.4	5.4
6	2	.2	2.2	7.6
7	1	.1	1.2	8.8
10	2	.2	1.4	10.2
12	2	.2	1.4	11.6
16	4	.6	3.4	15.0
17	1	.1	.6	15.6
18	9	1.3	8.0	23.9
23	1	.2	1.2	25.1
26	2	.3	2.0	27.1
27	2	.2	1.4	28.5
28	1	.1	.7	29.2
29	1	.1	.6	29.8
30	1	.1	.7	30.5
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK10 asthma smoke p6				
Valid	1	.1	1.6	1.6
3	2	.3	2.4	4.0
4	1	.1	1.4	5.4
6	2	.2	2.2	7.6
7	1	.1	1.2	8.8
10	2	.2	1.4	10.2
12	2	.2	1.4	11.6
16	4	.6	3.4	15.0
17	1	.1	.6	15.6
18	9	1.3	8.0	23.9
23	1	.2	1.2	25.1
26	2	.3	2.0	27.1
27	2	.2	1.4	28.5
28	1	.1	.7	29.2
29	1	.1	.6	29.8
30	1	.1	.7	30.5
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK11 asthma smoke p7				
Valid	1	.1	1.6	1.6
3	2	.3	2.4	4.0
4	1	.1	1.4	5.4
6	2	.2	2.2	7.6
7	1	.1	1.2	8.8
10	2	.2	1.4	10.2
12	2	.2	1.4	11.6
16	4	.6	3.4	15.0
17	1	.1	.6	15.6
18	9	1.3	8.0	23.9
23	1	.2	1.2	25.1
26	2	.3	2.0	27.1
27	2	.2	1.4	28.5
28	1	.1	.7	29.2
29	1	.1	.6	29.8
30	1	.1	.7	30.5
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK12 asthma smoke p8				
Valid	1	.1	1.6	1.6
3	2	.3	2.4	4.0
4	1	.1	1.4	5.4
6	2	.2	2.2	7.6
7	1	.1	1.2	8.8
10	2	.2	1.4	10.2
12	2	.2	1.4	11.6
16	4	.6	3.4	15.0
17	1	.1	.6	15.6
18	9	1.3	8.0	23.9
23	1	.2	1.2	25.1
26	2	.3	2.0	27.1
27	2	.2	1.4	28.5
28	1	.1	.7	29.2
29	1	.1	.6	29.8
30	1	.1	.7	30.5
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK13 asthma smoke p9				
Valid	1	.1	1.6	1.6
3	2	.3	2.4	4.0
4	1	.1	1.4	5.4
6	2	.2	2.2	7.6
7	1	.1	1.2	8.8
10	2	.2	1.4	10.2
12	2	.2	1.4	11.6
16	4	.6	3.4	15.0
17	1	.1	.6	15.6
18	9	1.3	8.0	23.9
23	1	.2	1.2	25.1
26	2	.3	2.0	27.1
27	2	.2	1.4	28.5
28	1	.1	.7	29.2
29	1	.1	.6	29.8
30	1	.1	.7	30.5
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK14 asthma smoke p10				
Valid	1	.1	1.6	1.6
3	2	.3	2.4	4.0
4	1	.1	1.4	5.4
6	2	.2	2.2	7.6
7	1	.1	1.2	8.8
10	2	.2	1.4	10.2
12	2	.2	1.4	11.6
16	4	.6	3.4	15.0
17	1	.1	.6	15.6
18	9	1.3	8.0	23.9
23	1	.2	1.2	25.1
26	2	.3	2.0	27.1
27	2	.2	1.4	28.5
28	1	.1	.7	29.2
29	1	.1	.6	29.8
30	1	.1	.7	30.5
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK15 asthma smoke p11				
Valid	1	.1	1.6	1.6
3	2	.3	2.4	4.0
4	1	.1	1.4	5.4
6	2	.2	2.2	7.6
7	1	.1	1.2	8.8
10	2	.2	1.4	10.2
12	2	.2	1.4	11.6
16	4	.6	3.4	15.0
17	1	.1	.6	15.6
18	9	1.3	8.0	23.9
23	1	.2	1.2	25.1
26	2	.3	2.0	27.1
27	2	.2	1.4	28.5
28	1	.1	.7	29.2
29	1	.1	.6	29.8
30	1	.1	.7	30.5
Total	30	4.2	100.0	
Missing System Missing	712	95.8		
Total	712	95.8		
ASMSMOK16 asthma smoke p12				
Valid	1	.1	1.6	1.6
3	2	.3	2.4	4.0
4	1	.1	1.4	5.4
6	2	.2	2.2	7.6
7	1	.1	1.2	8.8
10	2	.2	1.4	10.2
12	2	.2	1.4	11.6
16	4	.6	3.4	15.0
17	1	.1	.6	15.6
18	9	1.3	8.0	23.9
23	1	.2	1.2	25.1

Case #	Variable	Valid	Frequency	Percent	Valid Percent	Cumulative Percent
31	BRCHAGE3	Valid	10.00	.3	37.4	37.4
32		Missing	18.00	.3	35.2	72.6
33		Total	22.00	.8	27.4	100.0
34	BRCHAGE4	Valid	3.00	.1	100.0	100.0
35		Missing	1.00	.1	100.0	100.0
36		Total	4.00	.1	100.0	100.0
37	BRCHAGE5	Valid	1.00	.1	100.0	100.0
38		Missing	1.00	.1	100.0	100.0
39		Total	2.00	.1	100.0	100.0
40	BRCHSMK1	Valid	1.00	.1	100.0	100.0
41		Missing	1.00	.1	100.0	100.0
42		Total	2.00	.1	100.0	100.0
43	BRCHSMK2	Valid	1.00	.1	100.0	100.0
44		Missing	1.00	.1	100.0	100.0
45		Total	2.00	.1	100.0	100.0
46	BRCHSMK3	Valid	2.00	.8	100.0	100.0
47		Missing	1.00	.4	100.0	100.0
48		Total	3.00	1.2	100.0	100.0
49	BRCHSMK4	Valid	2.00	.8	100.0	100.0
50		Missing	1.00	.4	100.0	100.0
51		Total	3.00	1.2	100.0	100.0
52	BRCHSMK5	Valid	2.00	.8	100.0	100.0
53		Missing	1.00	.4	100.0	100.0
54		Total	3.00	1.2	100.0	100.0
55	NMEMPHYS	Valid	0	0	92.3	92.6
56		Missing	88	3.3	7.2	99.7
57		Total	88	3.3	100.0	100.0
58		Missing	99	3.6	100.0	100.0
59		Total	187	6.9	100.0	100.0

Total		712	100.0				
EMPHAGE1	emphysemaage p1	Frequency	Percent	Valid	Percent	Cumulative	Percent
Valid	3	1.3	.1	1.3	1.3	1.3	
	37	1.3	.2	3.0	4.3	4.3	
	39	1.2	.1	1.2	5.5	5.5	
	43	2	.3	4.1	9.7	9.7	
	54	2.2	.2	2.2	11.8	11.8	
	55	1.7	.1	1.7	13.6	13.6	
	56	1.1	.1	1.3	14.9	14.9	
	57	7	.9	9.9	24.7	24.7	
	59	1	.1	1.3	26.0	26.0	
	61	4	.4	5.8	31.8	31.8	
	62	4	.5	7.3	39.1	39.1	
	63	4	.5	46.2	46.2	46.2	
	64	2	.2	3.0	49.2	49.2	
	66	2	.3	4.4	53.7	53.7	
	67	1	.2	2.7	56.4	56.4	
	68	4	.5	7.1	63.5	63.5	
	70	6	.8	11.2	74.7	74.7	
	71	2	.2	3.3	78.0	78.0	
	72	0	.1	.9	78.9	78.9	
	73	2	.3	3.5	82.4	82.4	
	75	3	.4	5.7	88.1	88.1	
	76	1	.1	1.0	89.1	89.1	
	77	1	.2	2.8	91.9	91.9	
	79	1	.1	1.9	93.9	93.9	
	83	1	.2	2.6	96.5	96.5	
	84	2	.3	3.5	100.0	100.0	
Total	53	7.4	100.0				
Missing	System Missing	659	92.6				
Total	659	92.6	100.0				
EMPHAGE2	emphysemaage p2	Frequency	Percent	Valid	Percent	Cumulative	Percent
Valid	38.00	2	.3	100.0	100.0	100.0	
Total	2	.3	100.0				
Missing	System Missing	710	99.7				
Total	712	100.0	100.0				
EMPHAGE3	emphysemaage p3	Frequency	Percent	Valid	Percent	Cumulative	Percent
Missing	System Missing	712	100.0				
Total	712	100.0	100.0				
EMPHAGE4	emphysemaage p4	Frequency	Percent	Valid	Percent	Cumulative	Percent
Missing	System Missing	712	100.0				
Total	712	100.0	100.0				
EMPHAGE5	emphysemaage p5	Frequency	Percent	Valid	Percent	Cumulative	Percent
Missing	System Missing	712	100.0				
Total	712	100.0	100.0				
EMPHSMK1	emphysemasmoke p1	Frequency	Percent	Valid	Percent	Cumulative	Percent
Valid	1 Yes	19	2.7	37.1	37.1	37.1	
	2 no	33	4.6	62.9	62.9	62.9	
Total	52	7.3	100.0				
Missing	System Missing	660	92.7				
Total	660	92.7	100.0				
EMPHSMK2	emphysemasmoke p2	Frequency	Percent	Valid	Percent	Cumulative	Percent
Valid	1 Yes	2	.3	100.0	100.0	100.0	
Total	2	.3	100.0				
Missing	System Missing	710	99.7				
Total	710	99.7	100.0				

Total		712	100.0				
EMPHSMK3	emphysemasmoke p3	Frequency	Percent	Valid	Percent	Cumulative	Percent
Missing	System Missing	712	100.0				
Total	712	100.0	100.0				
EMPHSMK4	emphysemasmoke p4	Frequency	Percent <td>Valid</td> <td>Percent</td> <td>Cumulative</td> <td>Percent</td>	Valid	Percent	Cumulative	Percent
Missing	System Missing	712	100.0				
Total	712	100.0	100.0				
EMPHSMK5	emphysemasmoke p5	Frequency	Percent <td>Valid</td> <td>Percent</td> <td>Cumulative</td> <td>Percent</td>	Valid	Percent	Cumulative	Percent
Missing	System Missing	712	100.0				
Total	712	100.0	100.0				
LAWAIR	Air pollution regulations	Frequency	Percent <td>Valid</td> <td>Percent</td> <td>Cumulative</td> <td>Percent</td>	Valid	Percent	Cumulative	Percent
Valid	1 too restrictive	55	7.8	8.7	8.7	8.7	
	2 fine as they are	350	49.2	54.9	54.9	54.9	
	3 not restrictive enough	232	32.7	36.4	36.4	36.4	
Total	638	89.6	100.0				
Missing	7 don't know	70	9.9				
	9 refused	4	.5				
Total	74	10.4	100.0				
LAWRIVER	River protection regulations	Frequency	Percent <td>Valid</td> <td>Percent</td> <td>Cumulative</td> <td>Percent</td>	Valid	Percent	Cumulative	Percent
Valid	1 too restrictive	22	3.1	3.4	3.4	3.4	
	2 fine as they are	217	30.4	33.8	33.8	33.8	
	3 not restrictive enough	401	56.4	62.7	62.7	62.7	
Total	640	89.9	100.0				
Missing	7 don't know	68	9.6				
	8 missing	1	.2				
	9 refused	2	.3				
Total	72	10.1	100.0				
LAWWILD	Wild natural areas regulations	Frequency	Percent <td>Valid</td> <td>Percent</td> <td>Cumulative</td> <td>Percent</td>	Valid	Percent	Cumulative	Percent
Valid	1 too restrictive	55	7.8	8.5	8.5	8.5	
	2 fine as they are	374	52.6	57.4	57.4	57.4	
	3 not restrictive enough	222	31.2	34.1	34.1	34.1	
Total	651	91.5	100.0				
Missing	7 don't know	56	7.9				
	8 missing	1	.1				
	9 refused	3	.4				
Total	60	8.5	100.0				
LAWCOAL	Coal mining regulations	Frequency	Percent <td>Valid</td> <td>Percent</td> <td>Cumulative</td> <td>Percent</td>	Valid	Percent	Cumulative	Percent
Valid	1 too restrictive	51	7.2	9.7	9.7	9.7	
	2 fine as they are	262	36.9	49.6	49.6	49.6	
	3 not restrictive enough	215	30.2	40.7	40.7	40.7	

Total 712 100.0

EPA_AMRE Aware EPA regulatory change
 Frequency Percent Valid Percent Cumulative Percent
 1 yes 443 62.3 62.5
 2 no 265 37.3 100.0
 Total 708 99.5 100.0
 Missing 7 don't know 3 .5
 Total 3 712 100.0

EPA_SPRT Support EPA changes
 Frequency Percent Valid Percent Cumulative
 1 extremely supportive 107 15.1 24.6
 2 somewhat supportive 160 22.5 36.7
 3 neutral 86 12.1 19.8
 4 not very supportive 43 6.1 9.9
 5 not at all supportive 39 5.5 9.0
 Total 436 61.2 100.0

Missing 7 don't know 7 1.0
 System Missing 269 37.7
 Total 276 38.8

Total 712 100.0
 SRCEHEAT Primary heat source in home
 Frequency Percent Valid Percent Cumulative
 1 gas (natural or propane) 375 52.7 52.7
 2 electric 214 30.0 30.0
 3 wood 48 6.8 6.8
 4 kerosene 6 .8 .8
 5 coal 6 .9 .9
 6 oil 25 3.6 3.6
 7 heat pump 30 4.3 4.3
 9 none of above/none 6 .9 .9
 Total 712 100.0 100.0

OTHPARTY Other political party
 Frequency Percent Valid Percent Cumulative
 7 Libertarian Party 2 .2 4.0
 9 No strong affiliation 16 2.2 40.1
 10 Don't vote/No opinion 2.5 45.4
 13 Anarchist/socialist 1 .1 1.8
 14 UnAmerican 1 .1 1.9
 15 Participant 1 .2 3.8
 16 'a plain spoken person' 1 .2 3.1
 Total 39 5.5 100.0

Missing 77 Don't Know 3 .4
 System Missing 670 94.1
 Total 672 94.5
 Total 712 100.0

VOTED Last four years voted
 Frequency Percent Valid Percent Cumulative Percent
 1 yes 500 70.3 72.4
 2 no 191 26.8 27.6
 Total 691 97.1 100.0

Total 712 100.0
 LAWENDGR Endangered species regulations
 Frequency Percent Valid Percent Cumulative
 1 too restrictive 36 5.1 6.0
 2 fine as they are 376 52.9 62.3
 3 not restrictive enough 192 26.9 31.7
 Total 604 84.9 100.0
 Missing 7 don't know 102 14.3
 8 missing 2 .3
 9 refused 4 .5
 Total 107 15.1 100.0

Total 712 100.0
 LAWTIMBR Timber harvesting regulations
 Frequency Percent Valid Percent Cumulative
 1 too restrictive 30 4.2 4.9
 2 fine as they are 257 36.1 42.4
 3 not restrictive enough 320 44.9 52.7
 Total 607 85.3 100.0
 Missing 7 don't know 101 14.2
 8 missing 1 .1
 9 refused 3 .4
 Total 105 14.7 100.0

Total 712 100.0
 LAWWTLD Wetland areas regulations
 Frequency Percent Valid Percent Cumulative
 1 too restrictive 60 8.4 11.0
 2 fine as they are 309 43.5 56.9
 3 not restrictive enough 174 24.5 32.1
 Total 544 76.4 100.0
 Missing 7 don't know 161 22.6
 8 missing 2 .3
 9 refused 5 .8
 Total 168 23.6 100.0

Total 712 100.0
 LAWWATER Water pollution regulations
 Frequency Percent Valid Percent Cumulative
 1 too restrictive 9 1.3 1.3
 2 fine as they are 212 29.8 31.6
 3 not restrictive enough 449 63.2 67.0
 Total 670 94.2 100.0
 Missing 7 don't know 35 4.9
 8 missing 3 .4
 9 refused 4 .5
 Total 41 5.8

	6	25	-	30.000	47	6.6	16.6	100.0
Total	284				40.0		100.0	
Missing	7	don't know			1.2			
	9	refused			.8			
	413	System Missing			58.0			
Total	427				60.0			
	712				100.0			

PUBASST Any Public Assistance in HH income								
	Frequency	Percent Valid	Valid Percent	Cumulative Percent	Valid Percent	Cumulative Percent	Valid Percent	Cumulative Percent
Valid	1	Yes	54	7.6	8.0	8.0		
	2	no	626	88.0	91.8	99.7		
	5		2	.3	.3	100.0		
Total	683		95.9	100.0				
Missing	7	don't know	4	.6				
	9	refused	25	3.5				
Total	29		4.1					
	712		100.0					

PERCASST Percent of income public assistance								
	Frequency	Percent Valid	Valid Percent	Cumulative Percent	Valid Percent	Cumulative Percent	Valid Percent	Cumulative Percent
Valid	1	3	.4	6.8	6.8	6.8		
	10	4	.6	10.2	16.9			
	15	1	.1	1.2	18.1			
	20	1	.1	1.6	19.7			
	25	7	.9	2.6	22.3			
	30	3	.4	3.0	27.6			
	33	0	.1	3.4	31.6			
	40	2	.3	3.7	34.8			
	50	7	.9	4.6	39.7			
	60	2	.3	4.9	43.0			
	75	3	.4	5.3	47.4			
	90	1	.2	5.5	50.0			
	100	9	1.3	6.8	55.4			
Total	777	Don't Know	7	1.0	61.1			
Missing	888	Missing	4	.5	61.6			
	999	Refused	2	.2	61.8			
	656	System Missing			62.1			
Total	668		93.9		66.8			
	712		100.0					

APPENDIX B

Transmittal Letter and Agency Response

WEST VIRGINIA LEGISLATURE
Performance Evaluation and Research Division

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(304) 347-4890
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Antonio E. Jones, Ph.D.
Director

November 5, 1998

Michael Miano, Director
Division of Environmental Protection
10 McJunkin Road
Nitro, West Virginia 25143-2506

Dear Director Miano:

This is to transmit a draft copy of the Update of the Preliminary Performance Review of the Office of Environmental Advocate, as required by the West Virginia Sunset Law (Code, 4-10-1 et. seq.). Should you find factual or other errors in the report, please contact us immediately. It is my understanding that this report will be on the December agenda of the Joint Committee on Government Operations.

Your written response will be included in the draft distributed to committee members if received by December 7, 1998. Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read "Antonio E. Jones".

Antonio E. Jones

Joint Committee on Government and Finance

Office of Environmental Advocate
Response to the Office of Legislative Auditor
12/9/98

In the original June 1996 preliminary performance review, the Office of Legislative Auditor made seven recommendations to the Office of Environmental Advocate. Five of the seven objectives were completed by the former Environmental Advocate (EA). The recently hired EA has made strides to bring the remaining two recommendations into compliance.

Recommendation 4 - The OEA should use a scientific method of polling public opinion, even if it must contract for the service, to track the long term level of public satisfaction with the DEP.

The survey has been completed, the public opinion data has been evaluated, and given to the Office of Legislative Auditor. By completing this goal, Recommendation 4 is now *in compliance*.

Recommendation 1 - The OEA should complete the citizen's guide to the DEP and the informational brochures as soon as possible.

The OEA has completed and printed the informational brochures describing the mission statement, services provided by the Advocate office, and the toll-free informational phone number. Completion of the informational brochures, one-half of Recommendation 1 is now in compliance.

The citizen's guide to the DEP is in final draft and the draft has been distributed to the Chiefs of the agency for comments. The guide will be in print and delivered to the Office of Legislative Auditor by March 1999.

