

5.0 APPENDICES

2017 UPDATE

All information presented within this section is new.

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APPENDIX 1 SOURCE DATA

FLOOD

Data from NCEI is presented below. There are events that took place in various counties during one day or a series of days; these are each separated by color block.

TABLE 5.1.A FLOOD EVENTS (NCEI: 1996 – 2017)					
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Lincoln	1/19/1996	Flash Flood	0	0	\$5,000
Wayne	1/20/1996	Flood	0	0	\$50,000
Mason	1/20/1996	Flood	0	0	\$150,000
Cabell	1/20/1996	Flood	0	0	\$50,000
Wayne	5/5/1996	Flash Flood	0	0	\$20,000
Cabell	5/15/1996	Flash Flood	0	0	\$25,000
Mingo	5/15/1996	Flash Flood	0	0	\$300,000
Lincoln	5/15/1996	Flash Flood	0	0	\$150,000
Wayne	5/15/1996	Flash Flood	0	0	\$150,000
Logan	5/15/1996	Flash Flood	1	0	\$3,500,000
Logan	5/21/1996	Flash Flood	0	0	\$5,000
Cabell	6/8/1996	Flash Flood	0	0	\$35,000
Cabell	6/23/1996	Flash Flood	1	0	\$700,000
Mason	6/23/1996	Flash Flood	0	0	\$250,000
Lincoln	7/2/1996	Flash Flood	0	0	\$10,000
Cabell	7/31/1996	Flash Flood	0	0	\$100,000
Mason	7/31/1996	Flash Flood	0	0	\$100,000
Wayne	3/1/1997	Flash Flood	0	0	\$2,000,000
Lincoln	3/1/1997	Flash Flood	0	0	\$700,000
Mason	3/1/1997	Flash Flood	0	0	\$300,000
Wayne	3/2/1997	Flash Flood	0	0	\$100,000
Cabell	3/2/1997	Flash Flood	0	0	\$1,000,000
Lincoln	3/2/1997	Flash Flood	0	0	\$15,000
Mason	3/2/1997	Flood	0	0	\$700,000
Cabell	3/2/1997	Flood	0	0	\$700,000
Wayne	3/2/1997	Flood	2	0	\$500,000
Lincoln	3/3/1997	Flash Flood	0	0	\$5,000
Lincoln	6/1/1997	Flash Flood	0	0	\$150,000
Wayne	6/2/1997	Flash Flood	0	0	\$10,000
Logan	6/26/1997	Flash Flood	0	0	\$8,000
Mingo	7/2/1997	Flash Flood	0	0	\$250,000
Mason	1/10/1998	Flood	0	0	\$10,000
Cabell	5/24/1998	Flash Flood	0	0	\$275,000
Lincoln	5/24/1998	Flash Flood	0	0	\$10,000



TABLE 5.1.A FLOOD EVENTS (NCEI: 1996 – 2017)					
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Lincoln	6/15/1998	Flash Flood	0	0	\$30,000
Mason	6/15/1998	Flash Flood	0	0	\$5,000
Mason	6/29/1998	Flood	0	0	\$5,000
Cabell	7/18/1998	Flash Flood	0	0	\$85,000
Mingo	7/30/1999	Flash Flood	0	0	\$15,000
Wayne	7/30/1999	Flash Flood	0	0	\$5,000
Mason	2/18/2000	Flash Flood	0	0	\$50,000
Cabell	2/18/2000	Flash Flood	0	0	\$400,000
Wayne	2/19/2000	Flood	0	0	\$0
Mason	2/19/2000	Flood	0	0	\$0
Cabell	2/19/2000	Flood	0	0	\$0
Cabell	7/10/2000	Flash Flood	0	0	\$50,000
Cabell	7/29/2000	Flash Flood	0	0	\$5,000
Logan	7/30/2000	Flash Flood	0	0	\$25,000
Wayne	7/31/2000	Flash Flood	0	0	\$5,000
Mason	8/9/2000	Flash Flood	0	0	\$5,000
Mason	8/24/2000	Flash Flood	0	0	\$15,000
Logan	5/18/2001	Flood	2	0	\$0
Wayne	5/18/2001	Flash Flood	0	0	\$10,000
Lincoln	5/18/2001	Flash Flood	0	0	\$200,000
Cabell	5/19/2001	Flash Flood	0	0	\$15,000
Lincoln	5/22/2001	Flash Flood	0	0	\$10,000
Logan	5/22/2001	Flash Flood	0	0	\$10,000
Wayne	6/5/2001	Flash Flood	0	0	\$20,000
Lincoln	6/6/2001	Flash Flood	0	0	\$10,000
Mingo	7/29/2001	Flash Flood	0	0	\$10,000
Logan	7/29/2001	Flash Flood	0	0	\$15,000
Mason	1/24/2002	Flood	0	0	\$0
Wayne	3/20/2002	Flood	0	0	\$50,000
Mason	3/20/2002	Flood	0	0	\$15,000
Cabell	3/20/2002	Flood	0	0	\$200,000
Mason	4/21/2002	Flood	0	0	\$0
Mason	4/28/2002	Flood	0	0	\$0
Mingo	5/2/2002	Flash Flood	0	0	\$300,000
Logan	5/2/2002	Flash Flood	0	0	\$250,000
Mingo	5/2/2002	Flood	0	0	\$4,000,000
Mingo	6/1/2002	Flash Flood	0	0	\$5,000
Logan	7/19/2002	Flash Flood	0	0	\$800,000
Logan	7/27/2002	Flash Flood	0	0	\$25,000
Cabell	2/15/2003	Flood	0	0	\$1,000,000
Wayne	2/15/2003	Flood	0	0	\$2,500,000
Mingo	2/15/2003	Flood	0	0	\$300,000
Logan	2/15/2003	Flood	0	0	\$400,000
Lincoln	2/15/2003	Flood	1	0	\$2,500,000
Lincoln	2/22/2003	Flood	0	0	\$0



TABLE 5.1.A FLOOD EVENTS (NCEI: 1996 – 2017)					
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Mingo	2/22/2003	Flood	0	0	\$0
Logan	2/22/2003	Flood	0	0	\$0
Wayne	5/5/2003	Flash Flood	0	0	\$130,000
Lincoln	6/14/2003	Flash Flood	0	0	\$25,000
Logan	6/14/2003	Flash Flood	0	0	\$20,000
Cabell	6/14/2003	Flash Flood	0	0	\$25,000
Mingo	6/16/2003	Flash Flood	0	0	\$500,000
Logan	6/16/2003	Flash Flood	0	0	\$4,000,000
Wayne	6/16/2003	Flash Flood	0	0	\$350,000
Mason	6/16/2003	Flash Flood	0	0	\$100,000
Cabell	6/16/2003	Flash Flood	0	0	\$50,000
Logan	6/17/2003	Flash Flood	0	0	\$20,000
Wayne	6/17/2003	Flash Flood	0	0	\$10,000
Mason	6/19/2003	Flash Flood	0	0	\$250,000
Lincoln	7/9/2003	Flash Flood	0	0	\$250,000
Wayne	7/9/2003	Flash Flood	0	0	\$350,000
Mason	9/2/2003	Flood	0	0	\$15,000
Lincoln	9/4/2003	Flood	0	0	\$30,000
Logan	9/4/2003	Flood	0	0	\$30,000
Cabell	11/12/2003	Flood	0	0	\$850,000
Wayne	11/12/2003	Flood	0	0	\$400,000
Lincoln	11/12/2003	Flood	0	0	\$5,000,000
Logan	11/12/2003	Flash Flood	0	0	\$100,000
Mingo	11/12/2003	Flash Flood	0	0	\$100,000
Lincoln	11/19/2003	Flood	0	0	\$200,000
Wayne	11/19/2003	Flood	1	0	\$300,000
Cabell	11/19/2003	Flood	0	0	\$500,000
Logan	11/19/2003	Flood	1	0	\$200,000
Lincoln	2/6/2004	Flood	0	0	\$0
Wayne	2/6/2004	Flood	0	0	\$0
Cabell	3/6/2004	Flood	0	0	\$0
Mason	3/6/2004	Flood	0	0	\$0
Lincoln	3/6/2004	Flood	0	0	\$0
Mason	5/27/2004	Flash Flood	0	0	\$40,000
Mingo	5/30/2004	Flash Flood	0	0	\$9,000,000
Logan	5/30/2004	Flash Flood	0	0	\$7,000,000
Mingo	6/4/2004	Flood	0	0	\$850,000
Logan	6/4/2004	Flood	0	0	\$150,000
Mingo	6/12/2004	Flood	0	0	\$400,000
Logan	6/12/2004	Flood	0	0	\$100,000
Logan	6/25/2004	Flood	0	0	\$0
Mingo	6/25/2004	Flood	0	0	\$25,000
Logan	7/25/2004	Flash Flood	0	0	\$500,000
Lincoln	7/25/2004	Flash Flood	0	0	\$200,000
Mason	9/8/2004	Flood	0	0	\$10,000



TABLE 5.1.A FLOOD EVENTS (NCEI: 1996 – 2017)					
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Cabell	9/8/2004	Flood	0	0	\$50,000
Cabell	9/17/2004	Flood	0	0	\$1,000,000
Mingo	9/17/2004	Flood	0	0	\$250,000
Wayne	9/17/2004	Flood	0	0	\$500,000
Mason	9/17/2004	Flood	0	0	\$500,000
Lincoln	9/17/2004	Flood	1	0	\$125,000
Mason	11/4/2004	Flood	0	0	\$10,000
Mason	1/8/2005	Flood	0	0	\$50,000
Cabell	1/8/2005	Flood	0	0	\$20,000
Wayne	1/8/2005	Flood	0	0	\$10,000
Logan	4/30/2005	Flash Flood	0	0	\$40,000
Mingo	4/30/2005	Flash Flood	0	0	\$20,000
Wayne	4/30/2005	Flash Flood	0	0	\$5,000
Lincoln	4/30/2005	Flash Flood	0	0	\$5,000
Mingo	8/19/2005	Flash Flood	0	1	\$225,000
Wayne	7/13/2006	Flash Flood	0	0	\$900,000
Mingo	8/7/2006	Flash Flood	0	0	\$5,000
Logan	8/11/2006	Flash Flood	0	0	\$700,000
Wayne	8/30/2006	Flash Flood	0	0	\$50,000
Cabell	8/30/2006	Flash Flood	0	0	\$150,000
Cabell	9/1/2006	Flood	0	0	\$2,000
Mason	3/17/2007	Flood	0	0	\$5,000
Logan	4/15/2007	Flood	0	0	\$750,000
Mingo	4/15/2007	Flood	0	0	\$600,000
Lincoln	4/15/2007	Flood	0	0	\$200,000
Cabell	4/15/2007	Flood	0	0	\$5,000
Wayne	12/10/2007	Flood	0	0	\$5,000
Cabell	12/10/2007	Flood	1	0	\$30,000
Mason	3/6/2008	Flood	0	0	\$2,000
Cabell	4/4/2008	Flood	0	0	\$0
Mingo	5/9/2009	Flood	0	0	\$24,000,000
Logan	5/9/2009	Flood	0	0	\$25,000
Mingo	6/2/2009	Flash Flood	0	0	\$10,000
Mingo	6/11/2009	Flash Flood	0	0	\$2,000
Wayne	8/2/2009	Flash Flood	0	0	\$10,000
Cabell	8/10/2009	Flash Flood	0	0	\$100,000
Wayne	8/12/2009	Flash Flood	0	0	\$75,000
Cabell	2/5/2010	Flood	0	0	\$1,000
Lincoln	2/5/2010	Flood	0	0	\$1,000
Mason	2/5/2010	Flood	0	0	\$2,000
Mason	5/2/2010	Flood	0	0	\$25,000
Cabell	5/2/2010	Flood	0	0	\$50,000
Wayne	5/2/2010	Flood	0	0	\$5,000
Lincoln	5/17/2010	Flash Flood	0	0	\$250,000
Logan	5/17/2010	Flash Flood	0	0	\$50,000



TABLE 5.1.A FLOOD EVENTS (NCEI: 1996 – 2017)					
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Logan	5/18/2010	Flash Flood	0	0	\$10,000
Logan	6/12/2010	Flash Flood	0	0	\$4,000,000
Mingo	6/12/2010	Flash Flood	0	0	\$600,000
Cabell	7/20/2010	Flash Flood	0	0	\$15,000
Wayne	7/20/2010	Flash Flood	0	0	\$150,000
Lincoln	7/21/2010	Flash Flood	0	0	\$20,000
Cabell	8/11/2010	Flash Flood	0	0	\$200,000
Mason	3/10/2011	Flood	0	0	\$30,000
Wayne	3/11/2011	Flood	0	0	\$3,000
Cabell	3/11/2011	Flood	0	0	\$25,000
Lincoln	4/9/2011	Flash Flood	0	0	\$300,000
Logan	4/9/2011	Flash Flood	0	0	\$175,000
Wayne	4/16/2011	Flash Flood	0	0	\$10,000
Lincoln	4/16/2011	Flash Flood	0	0	\$5,000
Cabell	5/10/2011	Flash Flood	0	0	\$200,000
Wayne	5/10/2011	Flash Flood	0	0	\$200,000
Wayne	5/14/2011	Flash Flood	0	0	\$50,000
Wayne	7/30/2011	Flash Flood	0	0	\$5,000
Wayne	7/30/2011	Flash Flood	0	0	\$125,000
Logan	3/2/2012	Flash Flood	0	0	\$10,000
Mingo	3/2/2012	Flash Flood	0	0	\$10,000
Lincoln	3/2/2012	Flash Flood	0	0	\$350,000
Wayne	3/2/2012	Flash Flood	0	0	\$100,000
Logan	3/15/2012	Flash Flood	0	0	\$5,500,000
Mingo	3/15/2012	Flash Flood	0	0	\$900,000
Lincoln	3/15/2012	Flash Flood	0	0	\$450,000
Mason	5/4/2012	Flash Flood	0	0	\$75,000
Mingo	1/31/2013	Flood	0	0	\$5,000
Wayne	7/1/2013	Flash Flood	0	0	\$75,000
Mason	7/19/2013	Flash Flood	0	0	\$125,000
Lincoln	12/6/2013	Flood	0	0	\$20,000
Cabell	4/29/2014	Flash Flood	0	0	\$15,000
Mingo	5/13/2014	Flash Flood	0	0	\$5,000
Cabell	6/4/2014	Flash Flood	0	0	\$20,000
Lincoln	6/4/2014	Flash Flood	0	0	\$5,000
Wayne	8/22/2014	Flash Flood	0	0	\$50,000
Cabell	8/22/2014	Flash Flood	0	0	\$350,000
Mingo	8/22/2014	Flash Flood	0	0	\$200,000
Logan	8/22/2014	Flash Flood	0	0	\$15,000
Lincoln	9/4/2014	Flash Flood	0	0	\$10,000
Logan	2/21/2015	Flood	0	0	\$20,000
Mingo	3/4/2015	Flood	0	0	\$800,000
Logan	3/4/2015	Flood	0	0	\$400,000
Wayne	3/4/2015	Flood	0	0	\$450,000
Lincoln	3/4/2015	Flood	0	0	\$1,000,000



TABLE 5.1.A FLOOD EVENTS (NCEI: 1996 – 2017)					
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Cabell	3/4/2015	Flood	0	0	\$750,000
Mason	3/4/2015	Flood	0	0	\$75,000
Wayne	4/3/2015	Flash Flood	1	0	\$450,000
Lincoln	4/3/2015	Flash Flood	0	0	\$400,000
Logan	4/3/2015	Flash Flood	0	0	\$10,000
Lincoln	4/3/2015	Flood	0	0	\$100,000
Cabell	4/3/2015	Flood	0	0	\$200,000
Lincoln	4/14/2015	Flood	0	0	\$20,000
Logan	4/14/2015	Flood	0	0	\$10,000
Lincoln	6/16/2015	Flash Flood	0	0	\$5,000
Mason	6/26/2015	Flash Flood	0	0	\$25,000
Mingo	7/5/2015	Flash Flood	0	0	\$10,000
Logan	7/5/2015	Flash Flood	0	0	\$10,000
Cabell	7/13/2015	Flash Flood	0	0	\$0
Mason	7/14/2015	Flash Flood	0	0	\$50,000
Lincoln	7/14/2015	Flash Flood	0	0	\$500,000
Cabell	7/14/2015	Flash Flood	0	0	\$25,000
Cabell	7/14/2015	Flash Flood	0	0	\$100,000
Cabell	7/21/2015	Flash Flood	0	0	\$10,000
Wayne	12/25/2015	Flash Flood	0	0	\$20,000
Lincoln	12/25/2015	Flash Flood	0	0	\$50,000
Cabell	4/27/2016	Flash Flood	0	0	\$10,000
Logan	5/1/2016	Flash Flood	0	0	\$10,000
Mingo	5/1/2016	Flash Flood	0	0	\$10,000
Lincoln	5/1/2016	Flash Flood	0	0	\$5,000
Logan	5/1/2016	Flash Flood	0	0	\$2,000
Lincoln	5/1/2016	Flash Flood	0	0	\$25,000
Logan	5/1/2016	Flash Flood	0	0	\$2,000
Mingo	5/2/2016	Flash Flood	0	0	\$5,000
Lincoln	6/27/2016	Flash Flood	0	0	\$475,000
Logan	6/27/2016	Flash Flood	0	0	\$20,000
Cabell	7/14/2016	Flash Flood	1	0	\$500,000
Cabell	7/14/2016	Flash Flood	0	0	\$0
Mingo	7/27/2016	Flash Flood	0	0	\$10,000
Cabell	8/17/2016	Flash Flood	0	0	\$10,000
Totals			13	1	\$109,565,000



TABLE 5.1.B FLOOD EVENTS (SHELDUS: 1960 – 1995)							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Cabell	Flooding	1962	2	\$0	\$80,918	0	0.02
Lincoln	Flooding	1962	2	\$0	\$80,918	0	0.02
Logan	Flooding	1962	2	\$0	\$80,918	0	0.02
Mingo	Flooding	1962	2	\$0	\$80,918	0	0.02
Wayne	Flooding	1962	2	\$0	\$80,918	0	0.02
Cabell	Flooding	1965	5	\$0	\$1,293	0	0
Cabell	Flooding	1966	2	\$0	\$314,266	0	0
Mason	Flooding	1966	2	\$0	\$314,266	0	0
Wayne	Flooding	1966	2	\$0	\$314,266	0	0
Cabell	Flooding	1967	3	\$0	\$332,571	0	0.025
Lincoln	Flooding	1967	3	\$0	\$332,571	0	0.025
Logan	Flooding	1967	3	\$0	\$332,571	0	0.025
Mason	Flooding	1967	3	\$0	\$332,571	0	0.025
Mingo	Flooding	1967	3	\$0	\$332,571	0	0.025
Wayne	Flooding	1967	3	\$0	\$332,571	0	0.025
Cabell	Flooding	1968	5	\$0	\$2,065	0	0
Lincoln	Flooding	1968	5	\$0	\$2,065	0	0
Logan	Flooding	1968	5	\$0	\$2,065	0	0
Mason	Flooding	1968	5	\$0	\$2,065	0	0
Mingo	Flooding	1968	5	\$0	\$2,065	0	0
Wayne	Flooding	1968	5	\$0	\$2,065	0	0
Wayne	Flooding	1968	7	\$0	\$35,111	0	0
Cabell	Flooding	1970	6	\$0	\$31,491	0	0
Mingo	Flooding	1970	12	\$0	\$0	0	1
Logan	Flooding	1972	2	\$0	\$146,156	0	0
Mingo	Flooding	1972	2	\$0	\$146,156	0	0
Mingo	Flooding	1972	8	\$0	\$29,231,247	0	0
Cabell	Flooding	1973	8	\$0	\$13,760	0	0
Lincoln	Flooding	1973	11	\$0	\$34,399	0	0
Logan	Flooding	1973	11	\$0	\$34,399	0	0
Mingo	Flooding	1973	11	\$0	\$34,399	0	0
Wayne	Flooding	1973	11	\$0	\$34,399	0	0
Lincoln	Flooding	1974	1	\$0	\$3,098,038	0	0
Logan	Flooding	1974	1	\$0	\$3,098,038	0	0
Mingo	Flooding	1974	1	\$0	\$3,098,038	0	0
Wayne	Flooding	1974	1	\$0	\$3,098,038	0	0



TABLE 5.1.B FLOOD EVENTS (SHELDUS: 1960 – 1995)

County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Mingo	Flooding	1974	7	\$0	\$61,961	0	0
Lincoln	Flooding	1977	4	\$0	\$22,403,119	0	0.22
Logan	Flooding	1977	4	\$0	\$22,403,119	0	0.22
Mingo	Flooding	1977	4	\$0	\$22,403,119	0	0.22
Logan	Flooding	1977	8	\$0	\$672,094	0	0
Mingo	Flooding	1977	8	\$0	\$672,094	0	0
Cabell	Flooding	1978	1	\$0	\$340,732	0	0
Lincoln	Flooding	1978	1	\$0	\$340,732	0	0
Logan	Flooding	1978	1	\$0	\$340,732	0	0
Mason	Flooding	1978	1	\$0	\$340,732	0	0
Mingo	Flooding	1978	1	\$0	\$340,732	0	0
Wayne	Flooding	1978	1	\$0	\$340,732	0	0
Cabell	Flooding	1978	12	\$0	\$340,732	0	0
Lincoln	Flooding	1978	12	\$0	\$340,732	0	0
Logan	Flooding	1978	12	\$0	\$340,732	0	0
Mason	Flooding	1978	12	\$0	\$340,732	0	0
Mingo	Flooding	1978	12	\$0	\$340,732	0	0
Wayne	Flooding	1978	12	\$0	\$340,732	0	0
Mingo	Flooding	1979	8	\$0	\$1,683,011	0	0
Cabell	Flooding	1980	7	\$71	\$7,061	0	0
Lincoln	Flooding	1980	7	\$71	\$7,061	0	0
Logan	Flooding	1980	7	\$71	\$7,061	0	0
Mason	Flooding	1980	7	\$71	\$7,061	0	0
Mingo	Flooding	1980	7	\$71	\$7,061	0	0
Wayne	Flooding	1980	7	\$71	\$1,186,278	0	0
Cabell	Flooding	1980	8	\$650	\$649,826	0.02	0
Lincoln	Flooding	1980	8	\$650	\$649,826	0.02	0
Logan	Flooding	1980	8	\$650	\$649,826	0.02	0
Mason	Flooding	1980	8	\$650	\$649,826	0.02	0
Mingo	Flooding	1980	8	\$650	\$649,826	0.02	0
Wayne	Flooding	1980	8	\$650	\$649,826	0.02	0
Cabell	Flooding	1981	6	\$2,444	\$24,440	0	0
Lincoln	Flooding	1981	6	\$2,444	\$24,440	0	0
Logan	Flooding	1981	6	\$3,116	\$91,649	0	0
Mason	Flooding	1981	6	\$2,444	\$24,440	0	0
Mingo	Flooding	1981	6	\$3,116	\$91,649	0	0
Wayne	Flooding	1981	6	\$2,578	\$158,858	0	0



TABLE 5.1.B FLOOD EVENTS (SHELDUS: 1960 – 1995)

County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Logan	Flooding	1982	9	\$422	\$422,061	0	0
Mingo	Flooding	1982	9	\$422	\$422,061	0	0
Logan	Flooding	1984	5	\$0	\$2,940,005	2	0
Mingo	Flooding	1984	5	\$0	\$2,940,005	2	1
Mason	Flooding	1985	5	\$0	\$56,778	0	0
Logan	Flooding	1987	4	\$0	\$6,722	0	0.06
Mingo	Flooding	1987	4	\$0	\$6,722	0	0.06
Cabell	Flooding	1990	5	\$0	\$70,115	0	0
Wayne	Flooding	1990	5	\$0	\$70,115	0	0
Cabell	Flooding	1990	6	\$0	\$10,283	0	0
Wayne	Flooding	1990	6	\$0	\$9,349	0	0
Cabell	Flooding	1990	7	\$0	\$935	0	0
Wayne	Flooding	1990	7	\$0	\$1,870	0	0
Lincoln	Flooding	1990	8	\$0	\$935	0	0
Wayne	Flooding	1990	8	\$0	\$280,459	0	0
Cabell	Flooding	1990	12	\$0	\$550	0	0
Mason	Flooding	1990	12	\$0	\$550	0	0
Wayne	Flooding	1990	12	\$0	\$550	0	0
Cabell	Flooding	1991	3	\$0	\$89,711	0	0
Lincoln	Flooding	1991	3	\$0	\$897	0	0
Logan	Flooding	1991	3	\$0	\$7,177	0	0
Mingo	Flooding	1991	3	\$0	\$7,177	0	0
Wayne	Flooding	1991	3	\$0	\$89,711	0	0
Lincoln	Flooding	1991	12	\$0	\$8,971	0	0
Logan	Flooding	1991	12	\$0	\$28,474	0	0
Mason	Flooding	1991	12	\$0	\$897	0	0
Mingo	Flooding	1991	12	\$0	\$20,400	0	0
Wayne	Flooding	1991	12	\$0	\$8,971	0	0
Lincoln	Flooding	1992	6	\$0	\$871	0	0
Mingo	Flooding	1992	6	\$0	\$8,709	0	0
Cabell	Flooding	1993	3	\$0	\$216	0	0
Lincoln	Flooding	1993	3	\$0	\$216	0	0
Mason	Flooding	1993	3	\$0	\$216	0	0
Wayne	Flooding	1993	3	\$0	\$1,062	0	0
Cabell	Flooding	1994	1	\$0	\$10,347	0	0
Lincoln	Flooding	1994	1	\$0	\$92	0	0
Logan	Flooding	1994	1	\$0	\$92	0	0



TABLE 5.1.B FLOOD EVENTS (SHELDUS: 1960 – 1995)							
County Name	Hazard	Year	Month	Crop Damage (ADJ 2016)	Property Damage (ADJ 2016)	Injuries	Fatalities
Mason	Flooding	1994	1	\$0	\$10,306	0	0
Wayne	Flooding	1994	1	\$0	\$10,347	0	0
Wayne	Flooding	1994	2	\$0	\$824	0	1
Cabell	Flooding	1994	3	\$0	\$824	0	0
Cabell	Flooding	1994	4	\$0	\$824	0	0
Lincoln	Flooding	1994	5	\$0	\$1,031	0	0
Cabell	Flooding	1995	5	\$0	\$8,819	0	0
Lincoln	Flooding	1995	5	\$0	\$8,819	0	0
Mason	Flooding	1995	5	\$0	\$20,845	0	0
Wayne	Flooding	1995	5	\$0	\$8,819	0	0
Lincoln	Flooding	1995	6	\$10,690	\$5,345	0	0
Lincoln	Flooding	1995	8	\$0	\$120,262	0	0
Total				\$31,999	\$133,134,829	4.12	4.03



DROUGHT

This table shows the weeks that each county was in a drought condition according to data from the U.S. Drought Monitor. No counties have experienced an extreme drought.

TABLE 5.1.C DROUGHT CONDITIONS						
<i>Week</i>	<i>D0</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>County</i>
12/19/2017						Cabell
12/19/2017						Lincoln
12/19/2017						Logan
12/19/2017						Mingo
12/19/2017						Wayne
6/13/2017						Mason
12/27/2016						Wayne
12/20/2016						Wayne
12/13/2016						Cabell
12/13/2016						Lincoln
12/13/2016						Logan
12/13/2016						Mason
12/13/2016						Mingo
12/13/2016						Wayne
12/6/2016						Cabell
12/6/2016						Lincoln
12/6/2016						Logan
12/6/2016						Mason
12/6/2016						Mingo
12/6/2016						Wayne
11/29/2016						Cabell
11/29/2016						Lincoln
11/29/2016						Logan
11/29/2016						Mingo
11/29/2016						Wayne
11/22/2016						Cabell
11/22/2016						Lincoln
11/22/2016						Logan
11/22/2016						Mingo
11/22/2016						Wayne
11/15/2016						Cabell



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
11/15/2016						Lincoln
11/15/2016						Logan
11/15/2016						Mingo
11/15/2016						Wayne
11/8/2016						Cabell
11/8/2016						Lincoln
11/8/2016						Logan
11/8/2016						Mingo
11/8/2016						Wayne
11/1/2016						Cabell
11/1/2016						Lincoln
11/1/2016						Logan
11/1/2016						Mingo
11/1/2016						Wayne
10/25/2016						Cabell
10/25/2016						Lincoln
10/25/2016						Wayne
10/18/2016						Cabell
10/18/2016						Lincoln
10/18/2016						Logan
10/18/2016						Mason
10/18/2016						Mingo
10/18/2016						Wayne
10/11/2016						Cabell
10/11/2016						Lincoln
10/11/2016						Logan
10/11/2016						Mason
10/11/2016						Mingo
10/11/2016						Wayne
10/4/2016						Cabell
10/4/2016						Lincoln
10/4/2016						Logan
10/4/2016						Mason
10/4/2016						Mingo
10/4/2016						Wayne



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
9/27/2016						Cabell
9/27/2016						Lincoln
9/27/2016						Logan
9/27/2016						Mason
9/27/2016						Mingo
9/27/2016						Wayne
9/20/2016						Cabell
9/20/2016						Lincoln
9/20/2016						Logan
9/20/2016						Mason
9/20/2016						Mingo
9/20/2016						Wayne
9/13/2016						Cabell
9/13/2016						Lincoln
9/13/2016						Logan
9/13/2016						Mason
9/13/2016						Wayne
9/6/2016						Mason
8/30/2016						Mason
5/10/2016						Logan
5/10/2016						Mingo
5/3/2016						Lincoln
5/3/2016						Logan
5/3/2016						Mingo
5/3/2016						Wayne
4/26/2016						Cabell
4/26/2016						Lincoln
4/26/2016						Logan
4/26/2016						Mason
4/26/2016						Mingo
4/26/2016						Wayne
4/19/2016						Cabell
4/19/2016						Lincoln
4/19/2016						Logan
4/19/2016						Mason



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
4/19/2016						Mingo
4/19/2016						Wayne
4/12/2016						Cabell
4/12/2016						Lincoln
4/12/2016						Logan
4/12/2016						Mingo
4/12/2016						Wayne
11/24/2015						Cabell
11/24/2015						Lincoln
11/24/2015						Wayne
11/17/2015						Cabell
11/17/2015						Lincoln
11/17/2015						Wayne
11/10/2015						Cabell
11/10/2015						Lincoln
11/10/2015						Wayne
11/3/2015						Cabell
11/3/2015						Lincoln
11/3/2015						Wayne
10/27/2015						Cabell
10/27/2015						Lincoln
10/27/2015						Mason
10/27/2015						Wayne
10/20/2015						Cabell
10/20/2015						Lincoln
10/20/2015						Mason
10/20/2015						Wayne
10/13/2015						Cabell
10/13/2015						Lincoln
10/13/2015						Mason
10/13/2015						Wayne
10/6/2015						Cabell
10/6/2015						Lincoln
10/6/2015						Logan
10/6/2015						Mingo



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
10/6/2015						Wayne
9/29/2015						Cabell
9/29/2015						Lincoln
9/29/2015						Logan
9/29/2015						Mason
9/29/2015						Mingo
9/29/2015						Wayne
9/22/2015						Cabell
9/22/2015						Lincoln
9/22/2015						Logan
9/22/2015						Mason
9/22/2015						Mingo
9/22/2015						Wayne
9/15/2015						Cabell
9/15/2015						Lincoln
9/15/2015						Logan
9/15/2015						Mingo
9/15/2015						Wayne
9/8/2015						Cabell
9/8/2015						Lincoln
9/8/2015						Logan
9/8/2015						Mingo
9/8/2015						Wayne
6/30/2015						Logan
6/30/2015						Mingo
6/23/2015						Cabell
6/23/2015						Lincoln
6/23/2015						Logan
6/23/2015						Mason
6/23/2015						Mingo
6/23/2015						Wayne
6/16/2015						Cabell
6/16/2015						Lincoln
6/16/2015						Logan
6/16/2015						Mason



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
6/16/2015						Mingo
6/16/2015						Wayne
6/9/2015						Cabell
6/9/2015						Lincoln
6/9/2015						Logan
6/9/2015						Mason
6/9/2015						Mingo
6/9/2015						Wayne
6/2/2015						Cabell
6/2/2015						Lincoln
6/2/2015						Logan
6/2/2015						Mason
6/2/2015						Mingo
6/2/2015						Wayne
5/26/2015						Cabell
5/26/2015						Lincoln
5/26/2015						Logan
5/26/2015						Mason
5/26/2015						Mingo
5/26/2015						Wayne
10/7/2014						Mason
9/30/2014						Mason
8/19/2014						Wayne
8/12/2014						Wayne
8/5/2014						Wayne
7/29/2014						Wayne
7/22/2014						Wayne
7/15/2014						Wayne
7/8/2014						Wayne
6/10/2014						Logan
6/10/2014						Mingo
6/3/2014						Lincoln
6/3/2014						Logan
6/3/2014						Mingo
5/27/2014						Lincoln



TABLE 5.1.C DROUGHT CONDITIONS						
<i>Week</i>	<i>D0</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>County</i>
5/27/2014						Logan
5/27/2014						Mingo
5/20/2014						Lincoln
5/20/2014						Logan
5/20/2014						Mingo
5/13/2014						Lincoln
5/13/2014						Logan
5/13/2014						Mason
5/13/2014						Mingo
5/6/2014						Lincoln
5/6/2014						Logan
5/6/2014						Mason
5/6/2014						Mingo
5/21/2013						Lincoln
5/21/2013						Logan
5/14/2013						Lincoln
5/14/2013						Logan
5/7/2013						Lincoln
5/7/2013						Logan
5/7/2013						Mason
10/30/2012						Mason
10/23/2012						Mason
10/16/2012						Mason
10/9/2012						Mason
10/2/2012						Mason
9/25/2012						Cabell
9/25/2012						Lincoln
9/25/2012						Mason
9/25/2012						Wayne
9/18/2012						Cabell
9/18/2012						Lincoln
9/18/2012						Logan
9/18/2012						Mason
9/18/2012						Mingo
9/18/2012						Wayne



TABLE 5.1.C DROUGHT CONDITIONS						
<i>Week</i>	<i>D0</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>County</i>
6/19/2012						Lincoln
6/19/2012						Logan
6/19/2012						Mason
6/19/2012						Mingo
6/19/2012						Wayne
3/1/2011						Lincoln
3/1/2011						Logan
3/1/2011						Mingo
2/22/2011						Lincoln
2/22/2011						Logan
2/22/2011						Mingo
2/15/2011						Lincoln
2/15/2011						Logan
2/15/2011						Mason
2/15/2011						Mingo
2/8/2011						Lincoln
2/8/2011						Logan
2/8/2011						Mason
2/8/2011						Mingo
11/30/2010						Cabell
11/30/2010						Lincoln
11/30/2010						Logan
11/30/2010						Mason
11/30/2010						Mingo
11/30/2010						Wayne
11/23/2010						Cabell
11/23/2010						Lincoln
11/23/2010						Logan
11/23/2010						Mason
11/23/2010						Mingo
11/23/2010						Wayne
11/16/2010						Cabell
11/16/2010						Lincoln
11/16/2010						Logan
11/16/2010						Mason



TABLE 5.1.C DROUGHT CONDITIONS						
<i>Week</i>	<i>D0</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>County</i>
11/16/2010						Mingo
11/16/2010						Wayne
11/9/2010						Cabell
11/9/2010						Lincoln
11/9/2010						Logan
11/9/2010						Mason
11/9/2010						Mingo
11/9/2010						Wayne
11/2/2010						Cabell
11/2/2010						Lincoln
11/2/2010						Logan
11/2/2010						Mason
11/2/2010						Mingo
11/2/2010						Wayne
10/26/2010						Cabell
10/26/2010						Lincoln
10/26/2010						Logan
10/26/2010						Mason
10/26/2010						Mingo
10/26/2010						Wayne
10/19/2010						Cabell
10/19/2010						Lincoln
10/19/2010						Logan
10/19/2010						Mason
10/19/2010						Mingo
10/19/2010						Wayne
10/12/2010						Cabell
10/12/2010						Lincoln
10/12/2010						Logan
10/12/2010						Mason
10/12/2010						Mingo
10/12/2010						Wayne
10/5/2010						Cabell
10/5/2010						Lincoln
10/5/2010						Logan



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
10/5/2010						Mason
10/5/2010						Mingo
10/5/2010						Wayne
9/28/2010						Cabell
9/28/2010						Lincoln
9/28/2010						Logan
9/28/2010						Mason
9/28/2010						Mingo
9/28/2010						Wayne
4/27/2010						Mason
9/22/2009						Mason
4/28/2009						Mason
4/21/2009						Mason
4/14/2009						Mason
4/7/2009						Lincoln
4/7/2009						Logan
4/7/2009						Mason
3/31/2009						Cabell
3/31/2009						Lincoln
3/31/2009						Logan
3/31/2009						Mason
3/31/2009						Mingo
3/31/2009						Wayne
3/24/2009						Cabell
3/24/2009						Lincoln
3/24/2009						Logan
3/24/2009						Mason
3/24/2009						Mingo
3/24/2009						Wayne
3/17/2009						Logan
3/17/2009						Mingo
3/10/2009						Logan
3/10/2009						Mingo
3/3/2009						Logan
3/3/2009						Mingo



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
2/24/2009						Logan
2/24/2009						Mingo
2/17/2009						Logan
2/17/2009						Mingo
2/10/2009						Logan
2/10/2009						Mingo
2/3/2009						Logan
2/3/2009						Mingo
1/27/2009						Cabell
1/27/2009						Lincoln
1/27/2009						Logan
1/27/2009						Mason
1/27/2009						Mingo
1/27/2009						Wayne
1/20/2009						Cabell
1/20/2009						Lincoln
1/20/2009						Logan
1/20/2009						Mason
1/20/2009						Mingo
1/20/2009						Wayne
1/13/2009						Cabell
1/13/2009						Lincoln
1/13/2009						Logan
1/13/2009						Mason
1/13/2009						Mingo
1/13/2009						Wayne
1/6/2009						Cabell
1/6/2009						Lincoln
1/6/2009						Logan
1/6/2009						Mason
1/6/2009						Mingo
1/6/2009						Wayne
12/30/2008						Cabell
12/30/2008						Lincoln
12/30/2008						Logan



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
12/30/2008						Mason
12/30/2008						Mingo
12/30/2008						Wayne
12/23/2008						Cabell
12/23/2008						Lincoln
12/23/2008						Logan
12/23/2008						Mason
12/23/2008						Mingo
12/23/2008						Wayne
12/16/2008						Cabell
12/16/2008						Lincoln
12/16/2008						Logan
12/16/2008						Mason
12/16/2008						Mingo
12/16/2008						Wayne
12/9/2008						Cabell
12/9/2008						Lincoln
12/4/2007						Cabell
12/9/2008						Mason
11/27/2007						Cabell
12/9/2008						Wayne
12/2/2008						Cabell
12/2/2008						Lincoln
11/20/2007						Cabell
12/2/2008						Mason
11/13/2007						Cabell
11/6/2007						Cabell
11/25/2008						Cabell
11/25/2008						Lincoln
10/30/2007						Cabell
11/25/2008						Mason
10/23/2007						Cabell
10/16/2007						Cabell
11/18/2008						Cabell
11/18/2008						Lincoln



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
10/9/2007						Cabell
11/18/2008						Mason
10/2/2007						Cabell
9/25/2007						Cabell
11/11/2008						Cabell
9/18/2007						Cabell
9/11/2007						Cabell
11/11/2008						Mason
9/4/2007						Cabell
8/28/2007						Cabell
11/4/2008						Cabell
8/21/2007						Cabell
8/14/2007						Cabell
11/4/2008						Mason
8/7/2007						Cabell
7/31/2007						Cabell
10/28/2008						Cabell
7/24/2007						Cabell
7/17/2007						Cabell
10/28/2008						Mason
7/10/2007						Cabell
7/3/2007						Cabell
10/21/2008						Cabell
6/26/2007						Cabell
12/27/2005						Cabell
10/21/2008						Mason
12/20/2005						Cabell
12/13/2005						Cabell
10/14/2008						Cabell
12/6/2005						Cabell
11/29/2005						Cabell
10/14/2008						Mason
9/24/2002						Cabell
9/17/2002						Cabell
10/7/2008						Cabell



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
10/7/2008						Lincoln
10/7/2008						Logan
10/7/2008						Mason
10/7/2008						Mingo
10/7/2008						Wayne
9/30/2008						Cabell
9/30/2008						Lincoln
9/30/2008						Logan
9/30/2008						Mason
9/30/2008						Mingo
9/30/2008						Wayne
9/23/2008						Cabell
9/23/2008						Lincoln
9/23/2008						Logan
9/23/2008						Mason
9/23/2008						Mingo
9/23/2008						Wayne
9/16/2008						Cabell
9/16/2008						Lincoln
9/16/2008						Logan
9/16/2008						Mingo
9/16/2008						Wayne
9/9/2008						Cabell
9/9/2008						Lincoln
9/9/2008						Logan
9/9/2008						Mingo
9/9/2008						Wayne
9/2/2008						Cabell
9/2/2008						Lincoln
9/2/2008						Logan
9/2/2008						Mingo
9/2/2008						Wayne
8/26/2008						Cabell
8/26/2008						Lincoln
8/26/2008						Logan



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
8/26/2008						Mason
8/26/2008						Mingo
8/26/2008						Wayne
8/19/2008						Lincoln
8/19/2008						Logan
8/19/2008						Mingo
8/19/2008						Wayne
7/8/2008						Logan
7/8/2008						Mingo
7/1/2008						Logan
7/1/2008						Mingo
6/24/2008						Logan
6/24/2008						Mingo
6/17/2008						Logan
6/17/2008						Mingo
6/10/2008						Logan
6/10/2008						Mingo
3/18/2008						Mingo
3/11/2008						Mingo
3/4/2008						Logan
3/4/2008						Mingo
3/4/2008						Wayne
2/26/2008						Logan
2/26/2008						Mingo
2/26/2008						Wayne
2/19/2008						Lincoln
2/19/2008						Logan
2/19/2008						Mingo
2/19/2008						Wayne
2/12/2008						Lincoln
2/12/2008						Logan
2/12/2008						Mingo
2/12/2008						Wayne
2/5/2008						Lincoln
2/5/2008						Logan



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
2/5/2008						Mingo
2/5/2008						Wayne
1/29/2008						Lincoln
1/29/2008						Logan
1/29/2008						Mingo
1/29/2008						Wayne
1/22/2008						Lincoln
1/22/2008						Logan
1/22/2008						Mingo
1/22/2008						Wayne
1/15/2008						Cabell
1/15/2008						Lincoln
1/15/2008						Logan
1/15/2008						Mingo
1/15/2008						Wayne
1/8/2008						Cabell
1/8/2008						Lincoln
1/8/2008						Logan
9/10/2002						Cabell
1/8/2008						Wayne
1/1/2008						Cabell
1/1/2008						Lincoln
1/1/2008						Logan
9/3/2002						Cabell
1/1/2008						Wayne
12/25/2007						Cabell
12/25/2007						Lincoln
12/25/2007						Logan
5/15/2001						Cabell
12/25/2007						Wayne
12/18/2007						Cabell
12/18/2007						Lincoln
12/18/2007						Logan
11/11/2008						Lincoln
12/18/2007						Wayne



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
12/11/2007						Cabell
11/4/2008						Lincoln
10/28/2008						Lincoln
12/11/2007						Mason
10/21/2008						Lincoln
10/14/2008						Lincoln
12/11/2007						Lincoln
12/4/2007						Lincoln
11/27/2007						Lincoln
11/20/2007						Lincoln
11/13/2007						Lincoln
11/6/2007						Lincoln
10/30/2007						Lincoln
10/23/2007						Lincoln
10/16/2007						Lincoln
10/9/2007						Lincoln
10/2/2007						Lincoln
9/25/2007						Lincoln
9/18/2007						Lincoln
9/11/2007						Lincoln
9/4/2007						Lincoln
8/28/2007						Lincoln
8/21/2007						Lincoln
8/14/2007						Lincoln
8/7/2007						Lincoln
7/31/2007						Lincoln
7/24/2007						Lincoln
7/17/2007						Lincoln
7/10/2007						Lincoln
7/3/2007						Lincoln
6/26/2007						Lincoln
5/15/2001						Lincoln
12/9/2008						Logan
12/2/2008						Logan
11/25/2008						Logan



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
11/18/2008						Logan
11/11/2008						Logan
11/4/2008						Logan
10/28/2008						Logan
10/21/2008						Logan
10/14/2008						Logan
12/11/2007						Logan
12/4/2007						Logan
11/27/2007						Logan
11/20/2007						Logan
11/13/2007						Logan
11/6/2007						Logan
10/30/2007						Logan
10/23/2007						Logan
10/16/2007						Logan
10/9/2007						Logan
10/2/2007						Logan
9/25/2007						Logan
9/18/2007						Logan
9/11/2007						Logan
9/4/2007						Logan
8/28/2007						Logan
8/21/2007						Logan
8/14/2007						Logan
8/7/2007						Logan
7/31/2007						Logan
7/24/2007						Logan
7/17/2007						Logan
7/10/2007						Logan
7/3/2007						Logan
6/26/2007						Logan
9/17/2002						Logan
9/10/2002						Logan
5/15/2001						Logan
5/8/2001						Logan



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
1/16/2001						Logan
1/9/2001						Logan
12/12/2000						Logan
12/4/2007						Mason
11/27/2007						Mason
11/20/2007						Mason
11/13/2007						Mason
11/6/2007						Mason
10/30/2007						Mason
10/23/2007						Mason
10/16/2007						Mason
10/9/2007						Mason
10/2/2007						Mason
9/25/2007						Mason
9/18/2007						Mason
9/11/2007						Mason
9/4/2007						Mason
8/28/2007						Mason
8/21/2007						Mason
8/14/2007						Mason
8/7/2007						Mason
7/31/2007						Mason
7/24/2007						Mason
7/17/2007						Mason
7/10/2007						Mason
7/3/2007						Mason
6/26/2007						Mason
9/24/2002						Mason
9/17/2002						Mason
9/10/2002						Mason
9/3/2002						Mason
5/15/2001						Mason
12/9/2008						Mingo
12/2/2008						Mingo
11/25/2008						Mingo



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
11/18/2008						Mingo
11/11/2008						Mingo
11/4/2008						Mingo
10/28/2008						Mingo
10/21/2008						Mingo
10/14/2008						Mingo
1/8/2008						Mingo
1/1/2008						Mingo
12/25/2007						Mingo
12/18/2007						Mingo
12/11/2007						Mingo
12/4/2007						Mingo
11/27/2007						Mingo
11/20/2007						Mingo
11/13/2007						Mingo
11/6/2007						Mingo
10/30/2007						Mingo
10/23/2007						Mingo
10/16/2007						Mingo
10/9/2007						Mingo
10/2/2007						Mingo
9/25/2007						Mingo
9/18/2007						Mingo
9/11/2007						Mingo
9/4/2007						Mingo
8/28/2007						Mingo
8/21/2007						Mingo
8/14/2007						Mingo
8/7/2007						Mingo
7/31/2007						Mingo
7/24/2007						Mingo
7/17/2007						Mingo
7/10/2007						Mingo
7/3/2007						Mingo
6/26/2007						Mingo



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
9/17/2002						Mingo
9/10/2002						Mingo
5/15/2001						Mingo
5/8/2001						Mingo
1/16/2001						Mingo
1/9/2001						Mingo
12/12/2000						Mingo
12/5/2000						Mingo
12/2/2008						Wayne
11/25/2008						Wayne
6/19/2007						Cabell
6/19/2007						Lincoln
6/19/2007						Logan
6/19/2007						Mason
6/19/2007						Mingo
11/18/2008						Wayne
6/12/2007						Cabell
6/12/2007						Lincoln
6/12/2007						Logan
6/12/2007						Mason
6/12/2007						Mingo
6/12/2007						Wayne
6/5/2007						Cabell
6/5/2007						Lincoln
6/5/2007						Logan
6/5/2007						Mason
6/5/2007						Mingo
6/5/2007						Wayne
5/29/2007						Cabell
5/29/2007						Lincoln
5/29/2007						Logan
5/29/2007						Mason
5/29/2007						Mingo
5/29/2007						Wayne
5/22/2007						Cabell



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
5/22/2007						Lincoln
5/22/2007						Logan
5/22/2007						Mason
5/22/2007						Mingo
5/22/2007						Wayne
5/15/2007						Cabell
5/15/2007						Lincoln
5/15/2007						Logan
5/15/2007						Mason
5/15/2007						Mingo
5/15/2007						Wayne
4/10/2007						Lincoln
4/10/2007						Logan
4/10/2007						Mingo
4/10/2007						Wayne
4/3/2007						Logan
4/3/2007						Mingo
4/3/2007						Wayne
3/27/2007						Lincoln
3/27/2007						Logan
3/27/2007						Mingo
3/27/2007						Wayne
3/20/2007						Lincoln
3/20/2007						Logan
3/20/2007						Mingo
3/20/2007						Wayne
3/13/2007						Cabell
3/13/2007						Lincoln
3/13/2007						Logan
3/13/2007						Mingo
3/13/2007						Wayne
3/6/2007						Lincoln
3/6/2007						Logan
3/6/2007						Mingo
3/6/2007						Wayne



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
2/27/2007						Lincoln
2/27/2007						Logan
2/27/2007						Mingo
2/27/2007						Wayne
2/20/2007						Cabell
2/20/2007						Lincoln
2/20/2007						Logan
2/20/2007						Mason
2/20/2007						Mingo
2/20/2007						Wayne
2/13/2007						Cabell
2/13/2007						Lincoln
2/13/2007						Logan
2/13/2007						Mason
2/13/2007						Mingo
2/13/2007						Wayne
2/6/2007						Cabell
2/6/2007						Lincoln
2/6/2007						Logan
2/6/2007						Mason
2/6/2007						Mingo
2/6/2007						Wayne
1/30/2007						Cabell
1/30/2007						Lincoln
1/30/2007						Logan
1/30/2007						Mason
1/30/2007						Mingo
1/30/2007						Wayne
1/23/2007						Lincoln
1/23/2007						Logan
1/23/2007						Mingo
1/23/2007						Wayne
1/16/2007						Lincoln
1/16/2007						Logan
1/16/2007						Mingo



TABLE 5.1.C DROUGHT CONDITIONS						
<i>Week</i>	<i>D0</i>	<i>D1</i>	<i>D2</i>	<i>D3</i>	<i>D4</i>	<i>County</i>
1/16/2007						Wayne
1/9/2007						Cabell
1/9/2007						Lincoln
1/9/2007						Logan
1/9/2007						Mason
1/9/2007						Mingo
1/9/2007						Wayne
1/2/2007						Cabell
1/2/2007						Lincoln
1/2/2007						Logan
1/2/2007						Mason
1/2/2007						Mingo
1/2/2007						Wayne
12/26/2006						Logan
12/19/2006						Logan
9/5/2006						Cabell
9/5/2006						Lincoln
9/5/2006						Logan
9/5/2006						Mason
9/5/2006						Mingo
9/5/2006						Wayne
8/29/2006						Cabell
8/29/2006						Lincoln
8/29/2006						Logan
8/29/2006						Mason
8/29/2006						Mingo
8/29/2006						Wayne
8/22/2006						Cabell
8/22/2006						Lincoln
8/22/2006						Logan
8/22/2006						Mason
8/22/2006						Mingo
8/22/2006						Wayne
8/15/2006						Cabell
8/15/2006						Lincoln



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
8/15/2006						Logan
8/15/2006						Mason
8/15/2006						Mingo
8/15/2006						Wayne
8/8/2006						Wayne
6/20/2006						Cabell
6/20/2006						Lincoln
6/20/2006						Logan
6/20/2006						Mason
6/20/2006						Mingo
6/20/2006						Wayne
6/13/2006						Cabell
6/13/2006						Lincoln
6/13/2006						Logan
6/13/2006						Mason
6/13/2006						Mingo
6/13/2006						Wayne
6/6/2006						Cabell
6/6/2006						Lincoln
6/6/2006						Logan
6/6/2006						Mason
6/6/2006						Mingo
6/6/2006						Wayne
5/30/2006						Cabell
5/30/2006						Lincoln
5/30/2006						Logan
5/30/2006						Mason
5/30/2006						Mingo
5/30/2006						Wayne
5/23/2006						Cabell
5/23/2006						Lincoln
5/23/2006						Logan
5/23/2006						Mason
5/23/2006						Mingo
5/23/2006						Wayne



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
5/16/2006						Cabell
5/16/2006						Lincoln
5/16/2006						Logan
5/16/2006						Mason
5/16/2006						Mingo
5/16/2006						Wayne
5/9/2006						Cabell
5/9/2006						Lincoln
5/9/2006						Logan
5/9/2006						Mason
5/9/2006						Mingo
5/9/2006						Wayne
5/2/2006						Mingo
4/11/2006						Mingo
4/11/2006						Wayne
4/4/2006						Cabell
4/4/2006						Lincoln
4/4/2006						Logan
4/4/2006						Mason
4/4/2006						Mingo
4/4/2006						Wayne
3/28/2006						Cabell
3/28/2006						Lincoln
3/28/2006						Logan
3/28/2006						Mason
3/28/2006						Mingo
3/28/2006						Wayne
3/21/2006						Cabell
3/21/2006						Lincoln
3/21/2006						Logan
3/21/2006						Mason
3/21/2006						Mingo
3/21/2006						Wayne
3/14/2006						Cabell
3/14/2006						Lincoln



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
3/14/2006						Logan
3/14/2006						Mason
3/14/2006						Mingo
3/14/2006						Wayne
3/7/2006						Cabell
3/7/2006						Lincoln
3/7/2006						Logan
3/7/2006						Mason
3/7/2006						Mingo
3/7/2006						Wayne
2/28/2006						Cabell
2/28/2006						Lincoln
2/28/2006						Logan
2/28/2006						Mason
2/28/2006						Mingo
2/28/2006						Wayne
2/21/2006						Cabell
2/21/2006						Wayne
2/14/2006						Cabell
2/14/2006						Wayne
2/7/2006						Cabell
2/7/2006						Wayne
1/31/2006						Cabell
1/31/2006						Wayne
1/24/2006						Cabell
1/24/2006						Wayne
1/17/2006						Cabell
1/17/2006						Lincoln
1/17/2006						Logan
1/17/2006						Mason
1/17/2006						Mingo
1/17/2006						Wayne
1/10/2006						Cabell
1/10/2006						Lincoln
1/10/2006						Logan



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
1/10/2006						Mason
1/10/2006						Mingo
1/10/2006						Wayne
1/3/2006						Cabell
1/3/2006						Lincoln
1/3/2006						Logan
1/3/2006						Mason
1/3/2006						Mingo
1/3/2006						Wayne
11/11/2008						Wayne
12/27/2005						Lincoln
12/27/2005						Logan
12/27/2005						Mason
12/27/2005						Mingo
11/4/2008						Wayne
10/28/2008						Wayne
12/20/2005						Lincoln
12/20/2005						Logan
12/20/2005						Mason
12/20/2005						Mingo
10/21/2008						Wayne
10/14/2008						Wayne
12/13/2005						Lincoln
12/13/2005						Logan
12/13/2005						Mason
12/13/2005						Mingo
12/11/2007						Wayne
12/4/2007						Wayne
12/6/2005						Lincoln
12/6/2005						Logan
12/6/2005						Mason
12/6/2005						Mingo
11/27/2007						Wayne
11/20/2007						Wayne
11/29/2005						Lincoln



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
11/29/2005						Logan
11/29/2005						Mason
11/29/2005						Mingo
11/13/2007						Wayne
11/22/2005						Cabell
11/22/2005						Lincoln
11/22/2005						Logan
11/22/2005						Mason
11/22/2005						Mingo
11/6/2007						Wayne
11/15/2005						Cabell
11/15/2005						Lincoln
11/15/2005						Logan
11/15/2005						Mason
11/15/2005						Mingo
10/30/2007						Wayne
11/8/2005						Cabell
11/8/2005						Lincoln
11/8/2005						Logan
11/8/2005						Mason
11/8/2005						Mingo
10/23/2007						Wayne
11/1/2005						Cabell
11/1/2005						Lincoln
11/1/2005						Logan
11/1/2005						Mason
11/1/2005						Mingo
10/16/2007						Wayne
10/25/2005						Cabell
10/25/2005						Lincoln
10/25/2005						Logan
10/25/2005						Mason
10/25/2005						Mingo
10/9/2007						Wayne
10/18/2005						Cabell



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
10/18/2005						Lincoln
10/18/2005						Logan
10/18/2005						Mason
10/18/2005						Mingo
10/2/2007						Wayne
10/11/2005						Cabell
10/11/2005						Lincoln
10/11/2005						Logan
10/11/2005						Mason
10/11/2005						Mingo
9/25/2007						Wayne
10/4/2005						Cabell
10/4/2005						Lincoln
10/4/2005						Logan
10/4/2005						Mason
10/4/2005						Mingo
10/4/2005						Wayne
9/27/2005						Cabell
9/27/2005						Mason
9/27/2005						Wayne
9/20/2005						Cabell
9/20/2005						Mason
9/20/2005						Wayne
9/13/2005						Cabell
9/13/2005						Mason
9/13/2005						Wayne
9/6/2005						Cabell
9/6/2005						Mason
9/6/2005						Wayne
8/30/2005						Cabell
8/30/2005						Mason
8/30/2005						Wayne
8/23/2005						Cabell
8/23/2005						Lincoln
8/23/2005						Mason



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
8/23/2005						Wayne
8/16/2005						Cabell
8/16/2005						Lincoln
8/16/2005						Logan
8/16/2005						Mason
8/16/2005						Mingo
8/16/2005						Wayne
8/9/2005						Cabell
8/9/2005						Lincoln
8/9/2005						Mason
8/9/2005						Mingo
8/9/2005						Wayne
7/19/2005						Cabell
7/19/2005						Mason
7/19/2005						Wayne
7/12/2005						Cabell
7/12/2005						Mason
7/12/2005						Wayne
7/5/2005						Cabell
7/5/2005						Lincoln
7/5/2005						Logan
7/5/2005						Mason
7/5/2005						Mingo
7/5/2005						Wayne
6/28/2005						Cabell
6/28/2005						Lincoln
6/28/2005						Logan
6/28/2005						Mason
6/28/2005						Mingo
6/28/2005						Wayne
4/29/2003						Mason
10/29/2002						Logan
10/29/2002						Mingo
10/22/2002						Logan
10/22/2002						Mingo



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
10/15/2002						Cabell
10/15/2002						Lincoln
10/15/2002						Logan
10/15/2002						Mason
10/15/2002						Mingo
10/15/2002						Wayne
10/8/2002						Cabell
10/8/2002						Lincoln
10/8/2002						Logan
10/8/2002						Mason
10/8/2002						Mingo
10/8/2002						Wayne
10/1/2002						Cabell
10/1/2002						Lincoln
10/1/2002						Logan
10/1/2002						Mason
10/1/2002						Mingo
10/1/2002						Wayne
9/18/2007						Wayne
9/24/2002						Lincoln
9/24/2002						Logan
9/11/2007						Wayne
9/24/2002						Mingo
9/4/2007						Wayne
8/28/2007						Wayne
9/17/2002						Lincoln
8/21/2007						Wayne
8/14/2007						Wayne
8/7/2007						Wayne
7/31/2007						Wayne
7/24/2007						Wayne
9/10/2002						Lincoln
7/17/2007						Wayne
7/10/2007						Wayne
7/3/2007						Wayne



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
6/26/2007						Wayne
6/19/2007						Wayne
9/3/2002						Lincoln
9/3/2002						Logan
12/27/2005						Wayne
9/3/2002						Mingo
12/20/2005						Wayne
8/27/2002						Cabell
8/27/2002						Lincoln
8/27/2002						Logan
8/27/2002						Mason
8/27/2002						Mingo
8/27/2002						Wayne
8/20/2002						Cabell
8/20/2002						Lincoln
8/20/2002						Logan
8/20/2002						Mason
8/20/2002						Mingo
8/20/2002						Wayne
8/13/2002						Cabell
8/13/2002						Lincoln
8/13/2002						Logan
8/13/2002						Mason
8/13/2002						Mingo
8/13/2002						Wayne
8/6/2002						Cabell
8/6/2002						Lincoln
8/6/2002						Logan
8/6/2002						Mason
8/6/2002						Mingo
8/6/2002						Wayne
4/9/2002						Logan
4/2/2002						Logan
3/26/2002						Cabell
3/26/2002						Lincoln



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
3/26/2002						Logan
3/26/2002						Mason
3/26/2002						Mingo
3/26/2002						Wayne
3/19/2002						Cabell
3/19/2002						Lincoln
3/19/2002						Logan
3/19/2002						Mason
3/19/2002						Mingo
3/19/2002						Wayne
3/12/2002						Cabell
3/12/2002						Lincoln
3/12/2002						Logan
3/12/2002						Mason
3/12/2002						Mingo
3/12/2002						Wayne
3/5/2002						Cabell
3/5/2002						Lincoln
3/5/2002						Logan
3/5/2002						Mason
3/5/2002						Mingo
3/5/2002						Wayne
2/26/2002						Cabell
2/26/2002						Lincoln
2/26/2002						Logan
2/26/2002						Mason
2/26/2002						Mingo
2/26/2002						Wayne
2/19/2002						Cabell
2/19/2002						Lincoln
2/19/2002						Logan
2/19/2002						Mason
2/19/2002						Mingo
2/19/2002						Wayne
2/12/2002						Cabell



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
2/12/2002						Lincoln
2/12/2002						Logan
2/12/2002						Mason
2/12/2002						Mingo
2/12/2002						Wayne
2/5/2002						Cabell
2/5/2002						Lincoln
2/5/2002						Logan
2/5/2002						Mason
2/5/2002						Mingo
2/5/2002						Wayne
1/29/2002						Cabell
1/29/2002						Lincoln
1/29/2002						Logan
1/29/2002						Mason
1/29/2002						Mingo
1/29/2002						Wayne
1/22/2002						Cabell
1/22/2002						Lincoln
1/22/2002						Logan
1/22/2002						Mason
1/22/2002						Mingo
1/22/2002						Wayne
1/15/2002						Cabell
1/15/2002						Lincoln
1/15/2002						Logan
1/15/2002						Mason
1/15/2002						Mingo
1/15/2002						Wayne
1/8/2002						Cabell
1/8/2002						Lincoln
1/8/2002						Logan
1/8/2002						Mason
1/8/2002						Mingo
1/8/2002						Wayne



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
1/1/2002						Cabell
1/1/2002						Lincoln
1/1/2002						Logan
1/1/2002						Mingo
1/1/2002						Wayne
12/25/2001						Cabell
12/25/2001						Lincoln
12/25/2001						Logan
12/25/2001						Mingo
12/25/2001						Wayne
12/18/2001						Cabell
12/18/2001						Lincoln
12/18/2001						Logan
12/18/2001						Mingo
12/18/2001						Wayne
12/11/2001						Cabell
12/11/2001						Lincoln
12/11/2001						Logan
12/11/2001						Mingo
12/11/2001						Wayne
12/4/2001						Cabell
12/4/2001						Lincoln
12/4/2001						Logan
12/4/2001						Mason
12/4/2001						Mingo
12/4/2001						Wayne
11/27/2001						Cabell
11/27/2001						Lincoln
11/27/2001						Logan
11/27/2001						Mason
11/27/2001						Mingo
11/27/2001						Wayne
11/20/2001						Cabell
11/20/2001						Lincoln
11/20/2001						Logan



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
11/20/2001						Mason
11/20/2001						Mingo
11/20/2001						Wayne
11/13/2001						Cabell
11/13/2001						Lincoln
11/13/2001						Logan
11/13/2001						Mason
11/13/2001						Mingo
11/13/2001						Wayne
11/6/2001						Cabell
11/6/2001						Lincoln
11/6/2001						Logan
11/6/2001						Mason
11/6/2001						Mingo
11/6/2001						Wayne
10/30/2001						Lincoln
10/30/2001						Logan
10/30/2001						Mingo
10/30/2001						Wayne
5/29/2001						Lincoln
5/29/2001						Logan
5/29/2001						Mingo
5/29/2001						Wayne
5/22/2001						Cabell
5/22/2001						Lincoln
5/22/2001						Logan
5/22/2001						Mason
5/22/2001						Mingo
5/22/2001						Wayne
12/13/2005						Wayne
12/6/2005						Wayne
11/29/2005						Wayne
11/22/2005						Wayne
11/15/2005						Wayne
11/8/2005						Wayne



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
5/8/2001						Cabell
5/8/2001						Lincoln
11/1/2005						Wayne
5/8/2001						Mason
10/25/2005						Wayne
5/8/2001						Wayne
5/1/2001						Cabell
5/1/2001						Lincoln
5/1/2001						Logan
5/1/2001						Mason
5/1/2001						Mingo
5/1/2001						Wayne
4/24/2001						Cabell
4/24/2001						Lincoln
4/24/2001						Logan
4/24/2001						Mason
4/24/2001						Mingo
4/24/2001						Wayne
4/17/2001						Cabell
4/17/2001						Lincoln
4/17/2001						Logan
4/17/2001						Mason
4/17/2001						Mingo
4/17/2001						Wayne
4/10/2001						Cabell
4/10/2001						Lincoln
4/10/2001						Logan
4/10/2001						Mason
4/10/2001						Mingo
4/10/2001						Wayne
4/3/2001						Cabell
4/3/2001						Lincoln
4/3/2001						Logan
4/3/2001						Mason
4/3/2001						Mingo



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
4/3/2001						Wayne
3/27/2001						Cabell
3/27/2001						Lincoln
3/27/2001						Logan
3/27/2001						Mason
3/27/2001						Mingo
3/27/2001						Wayne
3/20/2001						Lincoln
3/20/2001						Logan
3/20/2001						Mingo
3/13/2001						Lincoln
3/13/2001						Logan
3/13/2001						Mingo
3/6/2001						Lincoln
3/6/2001						Logan
3/6/2001						Mingo
2/27/2001						Lincoln
2/27/2001						Logan
2/27/2001						Mingo
2/27/2001						Wayne
2/20/2001						Lincoln
2/20/2001						Logan
2/20/2001						Mingo
2/20/2001						Wayne
2/13/2001						Cabell
2/13/2001						Lincoln
2/13/2001						Logan
2/13/2001						Mason
2/13/2001						Mingo
2/13/2001						Wayne
2/6/2001						Cabell
2/6/2001						Lincoln
2/6/2001						Logan
2/6/2001						Mason
2/6/2001						Mingo



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
2/6/2001						Wayne
1/30/2001						Cabell
1/30/2001						Lincoln
1/30/2001						Logan
1/30/2001						Mason
1/30/2001						Mingo
1/30/2001						Wayne
1/23/2001						Cabell
1/23/2001						Lincoln
1/23/2001						Logan
1/23/2001						Mason
1/23/2001						Mingo
1/23/2001						Wayne
1/16/2001						Cabell
1/16/2001						Lincoln
10/18/2005						Wayne
1/16/2001						Mason
10/11/2005						Wayne
1/16/2001						Wayne
1/9/2001						Cabell
1/9/2001						Lincoln
9/24/2002						Wayne
1/9/2001						Mason
9/17/2002						Wayne
1/9/2001						Wayne
1/2/2001						Cabell
1/2/2001						Lincoln
1/2/2001						Logan
1/2/2001						Mason
1/2/2001						Mingo
1/2/2001						Wayne
12/26/2000						Cabell
12/26/2000						Lincoln
12/26/2000						Logan
12/26/2000						Mason



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
12/26/2000						Mingo
12/26/2000						Wayne
12/19/2000						Cabell
12/19/2000						Lincoln
12/19/2000						Logan
12/19/2000						Mason
12/19/2000						Mingo
12/19/2000						Wayne
12/12/2000						Cabell
12/12/2000						Lincoln
9/10/2002						Wayne
12/12/2000						Mason
9/3/2002						Wayne
12/12/2000						Wayne
12/5/2000						Cabell
12/5/2000						Lincoln
12/5/2000						Logan
12/5/2000						Mason
5/15/2001						Wayne
12/5/2000						Wayne
11/28/2000						Cabell
11/28/2000						Lincoln
11/28/2000						Logan
11/28/2000						Mason
11/28/2000						Mingo
11/28/2000						Wayne
11/21/2000						Logan
11/21/2000						Mingo
11/14/2000						Logan
11/14/2000						Mingo
11/14/2000						Wayne
11/7/2000						Cabell
11/7/2000						Lincoln
11/7/2000						Logan
11/7/2000						Mason



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
11/7/2000						Mingo
11/7/2000						Wayne
10/31/2000						Cabell
10/31/2000						Lincoln
10/31/2000						Logan
10/31/2000						Mason
10/31/2000						Mingo
10/31/2000						Wayne
10/24/2000						Logan
10/24/2000						Mingo
10/17/2000						Logan
10/17/2000						Mingo
7/4/2000						Logan
7/4/2000						Mingo
6/27/2000						Lincoln
6/27/2000						Logan
6/27/2000						Mingo
6/27/2000						Wayne
6/20/2000						Lincoln
6/20/2000						Logan
6/20/2000						Mingo
6/20/2000						Wayne
6/13/2000						Logan
6/13/2000						Mingo
6/13/2000						Wayne
6/6/2000						Logan
6/6/2000						Mingo
5/30/2000						Logan
5/30/2000						Mingo
5/23/2000						Logan
5/23/2000						Mingo
5/16/2000						Logan
5/16/2000						Mingo
5/9/2000						Logan
5/9/2000						Mingo



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
5/2/2000						Logan
5/2/2000						Mingo
4/25/2000						Logan
4/25/2000						Mingo
4/18/2000						Cabell
4/18/2000						Lincoln
4/18/2000						Logan
4/18/2000						Mason
4/18/2000						Mingo
4/18/2000						Wayne
4/11/2000						Lincoln
4/11/2000						Logan
4/11/2000						Mingo
4/11/2000						Wayne
4/4/2000						Cabell
4/4/2000						Lincoln
4/4/2000						Logan
4/4/2000						Mingo
4/4/2000						Wayne
3/28/2000						Cabell
3/28/2000						Lincoln
3/28/2000						Logan
3/28/2000						Mingo
3/28/2000						Wayne
3/21/2000						Cabell
3/21/2000						Lincoln
3/21/2000						Logan
3/21/2000						Mingo
3/21/2000						Wayne
3/14/2000						Cabell
3/14/2000						Lincoln
3/14/2000						Logan
3/14/2000						Mason
3/14/2000						Mingo
3/14/2000						Wayne



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
3/7/2000						Cabell
3/7/2000						Lincoln
3/7/2000						Logan
3/7/2000						Mingo
3/7/2000						Wayne
2/22/2000						Lincoln
2/22/2000						Logan
2/22/2000						Mingo
2/22/2000						Wayne
2/15/2000						Cabell
2/15/2000						Lincoln
2/15/2000						Logan
2/15/2000						Mason
2/15/2000						Mingo
2/15/2000						Wayne
2/8/2000						Cabell
2/8/2000						Lincoln
2/8/2000						Logan
2/8/2000						Mason
2/8/2000						Mingo
2/8/2000						Wayne
2/1/2000						Cabell
2/1/2000						Lincoln
2/1/2000						Logan
2/1/2000						Mason
2/1/2000						Mingo
2/1/2000						Wayne
1/25/2000						Cabell
1/25/2000						Lincoln
1/25/2000						Logan
1/25/2000						Mason
1/25/2000						Mingo
1/25/2000						Wayne
1/18/2000						Cabell
1/18/2000						Lincoln



TABLE 5.1.C DROUGHT CONDITIONS						
Week	D0	D1	D2	D3	D4	County
1/18/2000						Logan
1/18/2000						Mason
1/18/2000						Mingo
1/18/2000						Wayne
1/11/2000						Cabell
1/11/2000						Lincoln
1/11/2000						Logan
1/11/2000						Mason
1/11/2000						Mingo
1/11/2000						Wayne
1/4/2000						Cabell
1/4/2000						Lincoln
1/4/2000						Logan
1/4/2000						Mason
1/4/2000						Mingo
1/4/2000						Wayne



USDA Census and Survey information (corn, hay, wheat)

(D) Data withheld to avoid disclosing data for individual operations.

TABLE 5.1.D USDA CENSUS AND SURVEY INFORMATION					
<i>Program</i>	<i>Year</i>	<i>County</i>	<i>Commodity</i>	<i>Data Item</i>	<i>Value</i>
Survey	2016	Mason	Corn	Corn, grain - acres harvested	3,070
Census	2012	Cabell	Corn	Corn, grain - acres harvested	103
Census	2012	Cabell	Hay	Hay - acres harvested	4,510
Census	2012	Lincoln	Corn	Corn, grain - acres harvested	(D)
Census	2012	Lincoln	Hay	Hay - acres harvested	1,940
Census	2012	Logan	Corn	Corn, grain - acres harvested	(D)
Census	2012	Logan	Hay	Hay - acres harvested	(D)
Census	2012	Mason	Corn	Corn, grain - acres harvested	4,874
Census	2012	Mason	Hay	Hay - acres harvested	19,037
Census	2012	Mason	Wheat	Wheat - acres harvested	(D)
Census	2012	Mingo	Hay	Hay - acres harvested	(D)
Census	2012	Wayne	Corn	Corn, grain - acres harvested	139
Census	2012	Wayne	Hay	Hay - acres harvested	2,214
Census	2007	Cabell	Corn	Corn, grain - acres harvested	34
Census	2007	Cabell	Hay	Hay - acres harvested	4,613
Census	2007	Lincoln	Corn	Corn, grain - acres harvested	46
Census	2007	Lincoln	Hay	Hay - acres harvested	2,600
Census	2007	Logan	Hay	Hay - acres harvested	81
Census	2007	Mason	Corn	Corn, grain - acres harvested	4,343
Census	2007	Mason	Hay	Hay - acres harvested	21,089
Census	2007	Mason	Wheat	Wheat - acres harvested	289
Census	2007	Mingo	Hay	Hay - acres harvested	(D)
Census	2007	Wayne	Corn	Corn, grain - acres harvested	168
Census	2007	Wayne	Hay	Hay - acres harvested	4,215



EXTREME TEMPERATURES

The following table shows the extreme temperature events according to data from NCEI. Data is available from 1996. Each event is separated by color.

TABLE 5.1.E EXTREME TEMPERATURE EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Cabell	2/4/1996	Cold/Wind Chill	\$15,000
Mingo	2/4/1996	Cold/Wind Chill	\$0
Lincoln	2/4/1996	Cold/Wind Chill	\$0
Mason	2/4/1996	Cold/Wind Chill	\$0
Logan	2/4/1996	Cold/Wind Chill	\$0
Wayne	2/4/1996	Cold/Wind Chill	\$0
Wayne	2/27/1996	Heat	\$0
Cabell	2/27/1996	Heat	\$0
Mason	2/27/1996	Heat	\$0
Lincoln	2/27/1996	Heat	\$0
Mingo	2/27/1996	Heat	\$0
Logan	2/27/1996	Heat	\$0
Mason	3/10/1996	Cold/Wind Chill	\$0
Mingo	3/10/1996	Cold/Wind Chill	\$0
Logan	3/10/1996	Cold/Wind Chill	\$0
Wayne	3/10/1996	Cold/Wind Chill	\$0
Cabell	3/10/1996	Cold/Wind Chill	\$0
Lincoln	3/10/1996	Cold/Wind Chill	\$0
Logan	5/13/1996	Cold/Wind Chill	\$0
Wayne	5/13/1996	Cold/Wind Chill	\$0
Cabell	5/13/1996	Cold/Wind Chill	\$0
Lincoln	5/13/1996	Cold/Wind Chill	\$0
Mason	5/13/1996	Cold/Wind Chill	\$0
Mingo	5/13/1996	Cold/Wind Chill	\$0
Wayne	1/1/1997	Heat	\$0
Cabell	1/1/1997	Heat	\$0
Mason	1/1/1997	Heat	\$0
Lincoln	1/1/1997	Heat	\$0
Mingo	1/1/1997	Heat	\$0
Logan	1/1/1997	Heat	\$0
Mason	1/16/1997	Cold/Wind Chill	\$0
Lincoln	1/16/1997	Cold/Wind Chill	\$0
Wayne	1/16/1997	Cold/Wind Chill	\$0
Mingo	1/16/1997	Cold/Wind Chill	\$5,000
Logan	1/16/1997	Cold/Wind Chill	\$0
Cabell	1/16/1997	Cold/Wind Chill	\$5,000
Wayne	2/21/1997	Heat	\$0
Cabell	2/21/1997	Heat	\$0
Mason	2/21/1997	Heat	\$0
Lincoln	2/21/1997	Heat	\$0



TABLE 5.1.E EXTREME TEMPERATURE EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Mingo	2/21/1997	Heat	\$0
Logan	2/21/1997	Heat	\$0
Cabell	4/1/1997	Cold/Wind Chill	\$0
Mason	4/1/1997	Cold/Wind Chill	\$0
Logan	4/1/1997	Cold/Wind Chill	\$0
Lincoln	4/1/1997	Cold/Wind Chill	\$0
Mingo	4/1/1997	Cold/Wind Chill	\$0
Wayne	4/1/1997	Cold/Wind Chill	\$0
Logan	5/1/1997	Cold/Wind Chill	\$0
Mingo	5/1/1997	Cold/Wind Chill	\$0
Mingo	5/11/1997	Cold/Wind Chill	\$0
Logan	5/11/1997	Cold/Wind Chill	\$0
Mason	9/4/1997	Cold/Wind Chill	\$0
Cabell	9/4/1997	Cold/Wind Chill	\$0
Wayne	9/4/1997	Cold/Wind Chill	\$0
Lincoln	9/4/1997	Cold/Wind Chill	\$0
Mingo	9/4/1997	Cold/Wind Chill	\$0
Logan	9/4/1997	Cold/Wind Chill	\$0
Mingo	10/23/1997	Cold/Wind Chill	\$0
Mason	10/23/1997	Cold/Wind Chill	\$0
Logan	10/23/1997	Cold/Wind Chill	\$0
Wayne	10/23/1997	Cold/Wind Chill	\$0
Cabell	10/23/1997	Cold/Wind Chill	\$0
Lincoln	10/23/1997	Cold/Wind Chill	\$0
Mason	11/1/1997	Cold/Wind Chill	\$0
Wayne	11/1/1997	Cold/Wind Chill	\$0
Mingo	11/1/1997	Cold/Wind Chill	\$0
Cabell	11/1/1997	Cold/Wind Chill	\$0
Lincoln	11/1/1997	Cold/Wind Chill	\$0
Logan	11/1/1997	Cold/Wind Chill	\$0
Lincoln	3/10/1998	Cold/Wind Chill	\$0
Logan	3/10/1998	Cold/Wind Chill	\$0
Wayne	3/10/1998	Cold/Wind Chill	\$0
Cabell	3/10/1998	Cold/Wind Chill	\$0
Mingo	3/10/1998	Cold/Wind Chill	\$0
Mason	3/10/1998	Cold/Wind Chill	\$0
Cabell	3/26/1998	Heat	\$0
Lincoln	3/26/1998	Heat	\$0
Logan	3/26/1998	Heat	\$0
Mason	3/26/1998	Heat	\$0
Mingo	3/26/1998	Heat	\$0
Wayne	3/26/1998	Heat	\$0
Cabell	9/14/1998	Heat	\$0
Lincoln	9/14/1998	Heat	\$0
Logan	9/14/1998	Heat	\$0



TABLE 5.1.E EXTREME TEMPERATURE EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Mason	9/14/1998	Heat	\$0
Mingo	9/14/1998	Heat	\$0
Wayne	9/14/1998	Heat	\$0
Cabell	12/6/1998	Heat	\$0
Lincoln	12/6/1998	Heat	\$0
Logan	12/6/1998	Heat	\$0
Mason	12/6/1998	Heat	\$0
Mingo	12/6/1998	Heat	\$0
Wayne	12/6/1998	Heat	\$0
Cabell	1/22/1999	Heat	\$0
Lincoln	1/22/1999	Heat	\$0
Logan	1/22/1999	Heat	\$0
Mason	1/22/1999	Heat	\$0
Mingo	1/22/1999	Heat	\$0
Wayne	1/22/1999	Heat	\$0
Cabell	2/11/1999	Heat	\$0
Lincoln	2/11/1999	Heat	\$0
Logan	2/11/1999	Heat	\$0
Mason	2/11/1999	Heat	\$0
Mingo	2/11/1999	Heat	\$0
Wayne	2/11/1999	Heat	\$0
Wayne	3/1/1999	Cold/Wind Chill	\$0
Mingo	3/1/1999	Cold/Wind Chill	\$0
Lincoln	3/1/1999	Cold/Wind Chill	\$0
Logan	3/1/1999	Cold/Wind Chill	\$0
Mason	3/1/1999	Cold/Wind Chill	\$0
Cabell	3/1/1999	Cold/Wind Chill	\$0
Cabell	1/2/2000	Excessive Heat	\$0
Lincoln	1/2/2000	Excessive Heat	\$0
Logan	1/2/2000	Excessive Heat	\$0
Mason	1/2/2000	Excessive Heat	\$0
Mingo	1/2/2000	Excessive Heat	\$0
Wayne	1/2/2000	Excessive Heat	\$0
Cabell	1/28/2000	Extreme Cold/Wind Chill	\$0
Mingo	1/28/2000	Extreme Cold/Wind Chill	\$0
Lincoln	1/28/2000	Extreme Cold/Wind Chill	\$0
Logan	1/28/2000	Extreme Cold/Wind Chill	\$0
Mason	1/28/2000	Extreme Cold/Wind Chill	\$0
Wayne	1/28/2000	Extreme Cold/Wind Chill	\$0
Cabell	2/25/2000	Excessive Heat	\$0
Lincoln	2/25/2000	Excessive Heat	\$0
Logan	2/25/2000	Excessive Heat	\$0
Mason	2/25/2000	Excessive Heat	\$0
Mingo	2/25/2000	Excessive Heat	\$0
Wayne	2/25/2000	Excessive Heat	\$0



TABLE 5.1.E EXTREME TEMPERATURE EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Cabell	2/26/2000	Excessive Heat	\$0
Lincoln	2/26/2000	Excessive Heat	\$0
Logan	2/26/2000	Excessive Heat	\$0
Mason	2/26/2000	Excessive Heat	\$0
Mingo	2/26/2000	Excessive Heat	\$0
Wayne	2/26/2000	Excessive Heat	\$0
Cabell	3/8/2000	Excessive Heat	\$0
Lincoln	3/8/2000	Excessive Heat	\$0
Logan	3/8/2000	Excessive Heat	\$0
Mason	3/8/2000	Excessive Heat	\$0
Mingo	3/8/2000	Excessive Heat	\$0
Wayne	3/8/2000	Excessive Heat	\$0
Mason	10/8/2000	Cold/Wind Chill	\$0
Cabell	10/8/2000	Cold/Wind Chill	\$0
Wayne	10/8/2000	Cold/Wind Chill	\$0
Mingo	10/8/2000	Cold/Wind Chill	\$0
Lincoln	10/8/2000	Cold/Wind Chill	\$0
Logan	10/8/2000	Cold/Wind Chill	\$0
Logan	11/21/2000	Extreme Cold/Wind Chill	\$0
Lincoln	11/21/2000	Extreme Cold/Wind Chill	\$0
Cabell	11/21/2000	Extreme Cold/Wind Chill	\$0
Wayne	11/21/2000	Extreme Cold/Wind Chill	\$0
Mingo	11/21/2000	Extreme Cold/Wind Chill	\$0
Mason	11/21/2000	Extreme Cold/Wind Chill	\$0
Logan	12/1/2000	Cold/Wind Chill	\$0
Wayne	12/1/2000	Cold/Wind Chill	\$0
Lincoln	12/1/2000	Cold/Wind Chill	\$0
Cabell	12/1/2000	Cold/Wind Chill	\$0
Mason	12/1/2000	Cold/Wind Chill	\$0
Mingo	12/1/2000	Cold/Wind Chill	\$0
Cabell	2/9/2001	Excessive Heat	\$0
Lincoln	2/9/2001	Excessive Heat	\$0
Logan	2/9/2001	Excessive Heat	\$0
Mason	2/9/2001	Excessive Heat	\$0
Mingo	2/9/2001	Excessive Heat	\$0
Wayne	2/9/2001	Excessive Heat	\$0
Mason	3/1/2001	Cold/Wind Chill	\$0
Lincoln	3/1/2001	Cold/Wind Chill	\$0
Logan	3/1/2001	Cold/Wind Chill	\$0
Mingo	3/1/2001	Cold/Wind Chill	\$0
Wayne	3/1/2001	Cold/Wind Chill	\$0
Cabell	3/1/2001	Cold/Wind Chill	\$0
Mingo	10/8/2001	Cold/Wind Chill	\$0
Lincoln	10/8/2001	Cold/Wind Chill	\$0
Logan	10/8/2001	Cold/Wind Chill	\$0



TABLE 5.1.E EXTREME TEMPERATURE EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Mason	10/8/2001	Cold/Wind Chill	\$0
Cabell	10/8/2001	Cold/Wind Chill	\$0
Wayne	10/8/2001	Cold/Wind Chill	\$0
Cabell	12/1/2001	Heat	\$0
Lincoln	12/1/2001	Heat	\$0
Logan	12/1/2001	Heat	\$0
Mason	12/1/2001	Heat	\$0
Mingo	12/1/2001	Heat	\$0
Wayne	12/1/2001	Heat	\$0
Cabell	1/28/2002	Excessive Heat	\$0
Lincoln	1/28/2002	Excessive Heat	\$0
Logan	1/28/2002	Excessive Heat	\$0
Mason	1/28/2002	Excessive Heat	\$0
Mingo	1/28/2002	Excessive Heat	\$0
Wayne	1/28/2002	Excessive Heat	\$0
Cabell	1/31/2002	Excessive Heat	\$0
Lincoln	1/31/2002	Excessive Heat	\$0
Logan	1/31/2002	Excessive Heat	\$0
Mason	1/31/2002	Excessive Heat	\$0
Mingo	1/31/2002	Excessive Heat	\$0
Wayne	1/31/2002	Excessive Heat	\$0
Cabell	4/16/2002	Excessive Heat	\$0
Lincoln	4/16/2002	Excessive Heat	\$0
Logan	4/16/2002	Excessive Heat	\$0
Mason	4/16/2002	Excessive Heat	\$0
Mingo	4/16/2002	Excessive Heat	\$0
Wayne	4/16/2002	Excessive Heat	\$0
Wayne	5/19/2002	Extreme Cold/Wind Chill	\$0
Mingo	5/19/2002	Extreme Cold/Wind Chill	\$0
Cabell	5/19/2002	Extreme Cold/Wind Chill	\$0
Mason	5/19/2002	Extreme Cold/Wind Chill	\$0
Logan	5/19/2002	Extreme Cold/Wind Chill	\$0
Lincoln	5/19/2002	Extreme Cold/Wind Chill	\$0
Lincoln	1/14/2003	Cold/Wind Chill	\$0
Wayne	1/14/2003	Cold/Wind Chill	\$0
Logan	1/14/2003	Cold/Wind Chill	\$0
Mason	1/14/2003	Cold/Wind Chill	\$0
Mingo	1/14/2003	Cold/Wind Chill	\$0
Cabell	1/14/2003	Cold/Wind Chill	\$0
Cabell	8/16/2007	Excessive Heat	\$0
Wayne	8/16/2007	Excessive Heat	\$0
Mason	8/16/2007	Excessive Heat	\$0
Lincoln	8/16/2007	Excessive Heat	\$0
Logan	8/16/2007	Excessive Heat	\$0
Mingo	8/16/2007	Excessive Heat	\$0



TABLE 5.1.E EXTREME TEMPERATURE EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Cabell	7/12/2011	Heat	\$0
Mason	7/12/2011	Heat	\$0
Lincoln	7/12/2011	Heat	\$0
Wayne	7/12/2011	Heat	\$0
Cabell	7/20/2011	Heat	\$0
Lincoln	7/20/2011	Heat	\$0
Logan	7/20/2011	Heat	\$0
Mason	7/20/2011	Heat	\$0
Mingo	7/20/2011	Heat	\$0
Wayne	7/20/2011	Heat	\$0
Cabell	7/28/2011	Heat	\$0
Lincoln	7/28/2011	Heat	\$0
Logan	7/28/2011	Heat	\$0
Mason	7/28/2011	Heat	\$0
Mingo	7/28/2011	Heat	\$0
Wayne	7/28/2011	Heat	\$0
Wayne	1/6/2014	Extreme Cold/Wind Chill	\$20,000
Cabell	1/6/2014	Extreme Cold/Wind Chill	\$400,000
Lincoln	1/6/2014	Extreme Cold/Wind Chill	\$20,000
Logan	1/6/2014	Extreme Cold/Wind Chill	\$20,000
Mason	1/6/2014	Extreme Cold/Wind Chill	\$200,000
Mingo	1/6/2014	Extreme Cold/Wind Chill	\$20,000
Lincoln	1/27/2014	Extreme Cold/Wind Chill	\$25,000
Cabell	1/27/2014	Extreme Cold/Wind Chill	\$75,000
Mingo	1/27/2014	Extreme Cold/Wind Chill	\$25,000
Mason	1/27/2014	Extreme Cold/Wind Chill	\$25,000
Wayne	1/27/2014	Extreme Cold/Wind Chill	\$25,000
Logan	1/27/2014	Extreme Cold/Wind Chill	\$25,000
Cabell	2/14/2015	Cold/Wind Chill	\$0
Mason	2/14/2015	Cold/Wind Chill	\$0
Lincoln	2/14/2015	Cold/Wind Chill	\$0
Logan	2/14/2015	Cold/Wind Chill	\$0
Wayne	2/14/2015	Cold/Wind Chill	\$0
Mingo	2/14/2015	Cold/Wind Chill	\$0
Wayne	2/18/2015	Extreme Cold/Wind Chill	\$0
Cabell	2/18/2015	Extreme Cold/Wind Chill	\$50,000
Lincoln	2/18/2015	Extreme Cold/Wind Chill	\$0
Logan	2/18/2015	Extreme Cold/Wind Chill	\$0
Mason	2/18/2015	Extreme Cold/Wind Chill	\$0
Mingo	2/18/2015	Extreme Cold/Wind Chill	\$0
Mason	2/23/2015	Cold/Wind Chill	\$0
Wayne	3/6/2015	Cold/Wind Chill	\$0
Mason	3/6/2015	Cold/Wind Chill	\$0
Lincoln	3/6/2015	Cold/Wind Chill	\$0
Cabell	3/6/2015	Cold/Wind Chill	\$0



TABLE 5.1.F EXTREME TEMPRATURE EVENTS (SHELDUS)

<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Injuries</i>
Cabell	Heat	1991	7	3
Wayne	Heat	1991	7	3
Cabell	Heat	1991	8	6
Cabell	Heat	1993	7	0.02
Lincoln	Heat	1993	7	0.02
Logan	Heat	1993	7	0.02
Mason	Heat	1993	7	0.02
Mingo	Heat	1993	7	0.02
Wayne	Heat	1993	7	0.02



HAZMAT

The following table lists all the available data from PHMSA and the NRC regarding hazardous materials incidents.

TABLE 5.1.G. HAZMAT INCIDENTS					
<i>Date</i>	<i>County</i>	<i>City</i>	<i>Type</i>	<i>Cause</i>	<i>Agency</i>
2/29/2000	Cabell	Huntington	Air	Equipment Failure	PHMSA
3/8/2000	Logan	Logan	Highway	Operator Error	PHMSA
6/15/2000	Cabell	Huntington	Highway	Equipment Failure	PHMSA
8/19/2000	Cabell	Huntington	Air	Equipment Failure	PHMSA
9/4/2000	Cabell	Huntington	Air	Operator Error	PHMSA
9/9/2000	Cabell	Huntington	Rail	Operator Error	PHMSA
12/26/2000	Cabell	Huntington	Highway	Operator Error	PHMSA
1/26/2001	Wayne	Kenova	Highway	Operator Error	PHMSA
3/13/2001	Cabell	Huntington	Air	Equipment Failure	PHMSA
5/1/2001	Mason	Henderson	Highway	Operator Error	PHMSA
6/25/2001	Cabell	Huntington	Air	Operator Error	PHMSA
8/27/2002	Wayne	Kenova	Highway	Operator Error	PHMSA
8/29/2002	Cabell	Huntington	Air	Operator Error	PHMSA
1/29/2003	Wayne	Kenova	Rail	Operator Error	PHMSA
3/10/2003	Mingo	Williamson	Highway	Operator Error	PHMSA
6/6/2003	Wayne	Fort Gay	Highway	Equipment Failure	PHMSA
10/20/2003	Logan	Logan	Highway	Equipment Failure	PHMSA
1/14/2004	Cabell	Huntington	Rail	Equipment Failure	PHMSA
3/1/2004	Cabell	Huntington	Rail	Operator Error	PHMSA
3/8/2004	Cabell	Huntington	Highway	Operator Error	PHMSA
3/16/2004	Cabell	Huntington	Highway	Operator Error	PHMSA
3/23/2004	Cabell	Huntington	Rail	Operator Error	PHMSA
5/17/2004	Cabell	Huntington	Air	Operator Error	PHMSA
5/26/2004	Wayne	Kenova	Highway	Operator Error	PHMSA
8/26/2004	Cabell	Huntington	Air	Operator Error	PHMSA
9/1/2004	Cabell	Huntington	Air	Operator Error	PHMSA
10/28/2004	Cabell	Huntington	Rail	Equipment Failure	PHMSA
10/28/2004	Cabell	Huntington	Rail	Equipment Failure	PHMSA
3/29/2005	Logan	Man	Highway	Equipment Failure	PHMSA
4/13/2005	Cabell	Huntington	Highway	Operator Error	PHMSA
8/1/2005	Cabell	Huntington	Air	Operator Error	PHMSA
8/4/2005	Wayne	Kenova	Highway	Operator Error	PHMSA
2/10/2006	Cabell	Milton	Fixed Facility	Dumping	NRC
3/31/2006	Cabell	Huntington	Air	Operator Error	PHMSA
12/5/2006	Wayne	Kenova	Highway	Operator Error	PHMSA
2/26/2007	Mingo	Williamson	Rail	Equipment Failure	PHMSA
3/27/2007	Wayne	Kenova	Highway	Operator Error	PHMSA
10/4/2007	Wayne	Kenova	Highway	Operator Error	PHMSA
1/28/2008	Cabell	Huntington	Fixed Facility	Dumping	NRC
3/6/2009	Cabell	Huntington	Highway	Operator Error	PHMSA



TABLE 5.1.G. HAZMAT INCIDENTS					
<i>Date</i>	<i>County</i>	<i>City</i>	<i>Type</i>	<i>Cause</i>	<i>Agency</i>
9/14/2009	Wayne	Kenova	Highway	Operator Error	PHMSA
10/5/2009	Cabell	Huntington	Air	Operator Error	PHMSA
11/2/2009	Wayne	Kenova	Highway	Operator Error	PHMSA
11/27/2009	Cabell	Huntington	Air	Operator Error	PHMSA
12/7/2009	Mingo	Ragland	Fixed Facility	Other / Unknown	NRC
1/18/2010	Mason	New Haven	Unknown Sheen	Other / Unknown	NRC
1/24/2010	Logan	Man	Fixed Facility	Dumping	NRC
2/22/2010	Mingo	Williamson	Rail	Equipment Failure	NRC
2/28/2010	Wayne	Kenova	Storage Tank	Equipment Failure	NRC
3/1/2010	Mingo	Unknown	Rail	Other / Unknown	NRC
3/9/2010	Wayne	Kenova	Highway	Operator Error	PHMSA
3/19/2010	Mingo	Gilbert	Rail	Other / Unknown	NRC
3/30/2010	Cabell	Unknown	Rail	Operator Error	NRC
4/1/2010	Mingo	Unknown	Fixed Facility	Other / Unknown	NRC
4/10/2010	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
5/1/2010	Wayne	Kenova	Rail	Equipment Failure	NRC
5/1/2010	Logan	Deepmsey Branch	Fixed Facility	Other / Unknown	NRC
5/12/2010	Mason	New Haven	Fixed Facility	Natural Phenomenon	NRC
5/16/2010	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
5/26/2010	Cabell	Milton	Fixed Facility	Other / Unknown	NRC
6/1/2010	Mingo	Gilbert	Rail	Other / Unknown	NRC
6/13/2010	Mingo	Williamson	Rail	Equipment Failure	NRC
6/14/2010	Wayne	Wayne	Fixed Facility	Other / Unknown	NRC
6/16/2010	Wayne	Ceredo	Unknown Sheen	Other / Unknown	NRC
6/18/2010	Cabell	Huntington	Storage Tank	Other / Unknown	NRC
6/21/2010	Cabell	Huntington	Rail	Other / Unknown	NRC
6/29/2010	Cabell	Huntington	Highway	Operator Error	NRC
7/8/2010	Cabell	Huntington	Storage Tank	Other / Unknown	NRC
7/9/2010	Wayne	Kenova	Vessel	Equipment Failure	NRC
7/18/2010	Mingo	Gilbert	Rail	Other / Unknown	NRC
7/18/2010	Wayne	Kenova	Vessel	Equipment Failure	NRC
8/3/2010	Mason	West Columbia	Fixed Facility	Other / Unknown	NRC
8/12/2010	Mingo	Devon	Rail	Operator Error	NRC
8/21/2010	Mason	New Haven	Fixed Facility	Equipment Failure	NRC
8/26/2010	Mason	Point Pleasant	Fixed Facility	Other / Unknown	NRC
9/1/2010	Wayne	Kenova	Highway	Equipment Failure	PHMSA
9/3/2010	Cabell	Huntington	Storage Tank	Equipment Failure	NRC
9/20/2010	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
9/29/2010	Wayne	Steptown	Rail	Equipment Failure	NRC
10/8/2010	Logan	Chapmanville	Rail	Derailment	NRC
10/11/2010	Mason	New Haven	Fixed Facility	Equipment Failure	NRC
10/13/2010	Wayne	Crum	Rail	Other / Unknown	NRC
10/15/2010	Mingo	Williamson	Fixed Facility	Dumping	NRC
11/3/2010	Cabell	Huntington	Rail	Other / Unknown	NRC
11/4/2010	Cabell	Huntington	Fixed Facility	Equipment Failure	NRC



TABLE 5.1.G. HAZMAT INCIDENTS					
<i>Date</i>	<i>County</i>	<i>City</i>	<i>Type</i>	<i>Cause</i>	<i>Agency</i>
11/20/2010	Mingo	Williamson	Fixed Facility	Equipment Failure	NRC
11/29/2010	Mingo	Gilbert	Highway	Operator Error	PHMSA
11/29/2010	Mingo	Gilbert	Fixed Facility	Other / Unknown	NRC
12/8/2010	Mason	New Haven	Unknown Sheen	Other / Unknown	NRC
1/3/2011	Cabell	Lesage	Rail	Equipment Failure	NRC
1/3/2011	Cabell	Lesage	Rail	Equipment Failure	NRC
1/3/2011	Lincoln	Midkiff	Rail	Other / Unknown	NRC
1/18/2011	Cabell	Huntington	Highway	Operator Error	PHMSA
1/20/2011	Cabell	Unknown	Vessel	Vessel Sinking	NRC
1/22/2011	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
1/27/2011	Mingo	Gilbert	Rail	Equipment Failure	NRC
2/1/2011	Mingo	Lobata	Rail	Other / Unknown	NRC
2/1/2011	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
2/2/2011	Cabell	Guyandotte	Vessel	Vessel Sinking	NRC
2/17/2011	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
2/27/2011	Mingo	Delbarton	Fixed Facility	Equipment Failure	NRC
3/2/2011	Cabell	Huntington	Rail	Natural Phenomenon	NRC
3/7/2011	Wayne	Kenova	Rail	Other / Unknown	NRC
3/16/2011	Mingo	Ragland	Rail	Other / Unknown	NRC
3/17/2011	Mingo	Delbarton	Rail	Equipment Failure	NRC
3/19/2011	Wayne	White Creek	Rail	Other / Unknown	NRC
3/22/2011	Mason	New Haven	Fixed Facility	Equipment Failure	NRC
3/28/2011	Logan	Unknown	Rail	Derailment	NRC
4/8/2011	Mingo	Timbar	Rail	Other / Unknown	NRC
4/13/2011	Mingo	McCarr	Rail	Equipment Failure	NRC
4/16/2011	Mingo	Delbarton	Rail	Equipment Failure	NRC
4/26/2011	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
4/30/2011	Mason	Point Pleasant	Vessel	Other / Unknown	NRC
5/5/2011	Cabell	Huntington	Rail	Other / Unknown	NRC
5/5/2011	Mingo	Williamson	Rail	Other / Unknown	NRC
5/16/2011	Cabell	Huntington	Rail	Other / Unknown	NRC
5/20/2011	Mason	Henderson	Vessel	Other / Unknown	NRC
5/24/2011	Wayne	Lavalette	Fixed Facility	Dumping	NRC
6/6/2011	Mingo	Spriggs	Rail	Other / Unknown	NRC
6/17/2011	Logan	Omar	Highway	Operator Error	NRC
6/21/2011	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
7/14/2011	Mingo	Williamson	Fixed Facility	Other / Unknown	NRC
7/21/2011	Wayne	Kenova	Highway	Operator Error	PHMSA
8/16/2011	Mason	New Haven	Unknown Sheen	Other / Unknown	NRC
8/20/2011	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
8/24/2011	Mingo	Grey Eagle	Storage Tank	Other / Unknown	NRC
9/2/2011	Mingo	Rawl	Rail	Other / Unknown	NRC
9/19/2011	Mingo	Lenore	Rail	Derailment	NRC
9/21/2011	Mason	Leon	Fixed Facility	Dumping	NRC
10/4/2011	Mingo	Devon	Rail	Equipment Failure	NRC



TABLE 5.1.G. HAZMAT INCIDENTS					
<i>Date</i>	<i>County</i>	<i>City</i>	<i>Type</i>	<i>Cause</i>	<i>Agency</i>
10/26/2011	Wayne	East Lynn	Fixed Facility	Other / Unknown	NRC
10/30/2011	Wayne	Neal	Rail	Equipment Failure	NRC
11/7/2011	Cabell	Huntington	Rail	Other / Unknown	NRC
11/11/2011	Wayne	Crum	Fixed Facility	Dumping	NRC
11/18/2011	Mingo	Wharnccliffe	Rail	Operator Error	NRC
12/1/2011	Wayne	Huntington	Highway	Other / Unknown	NRC
12/20/2011	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
12/28/2011	Mingo	Williamson	Rail	Equipment Failure	NRC
1/7/2012	Mason	Point Pleasant	Unknown Sheen	Other / Unknown	NRC
1/18/2012	Mason	Henderson	Unknown Sheen	Other / Unknown	NRC
1/20/2012	Logan	Verundville	Unknown Sheen	Other / Unknown	NRC
1/25/2012	Logan	Chapmanville	Storage Tank	Other / Unknown	NRC
1/25/2012	Logan	Chapmanville	Storage Tank	Other / Unknown	NRC
1/25/2012	Mingo	Lenore	Unknown Sheen	Other / Unknown	NRC
1/26/2012	Mingo	Lenore	Storage Tank	Other / Unknown	NRC
1/26/2012	Wayne	Ceredo	Vessel	Equipment Failure	NRC
2/2/2012	Cabell	Huntington	Air	Operator Error	PHMSA
2/8/2012	Wayne	Kenova	Storage Tank	Other / Unknown	NRC
2/17/2012	Cabell	Huntington	Rail	Equipment Failure	NRC
2/18/2012	Wayne	Kenova	Rail	Equipment Failure	NRC
2/20/2012	Mingo	Sycamore	Rail	Equipment Failure	NRC
3/2/2012	Lincoln	Sod	Fixed Facility	Natural Phenomenon	NRC
3/5/2012	Cabell	Huntington	Fixed Facility	Dumping	NRC
3/9/2012	Lincoln	West Hamlin	Fixed Facility	Other / Unknown	NRC
3/16/2012	Mingo	Williamson	Rail	Equipment Failure	NRC
3/19/2012	Cabell	Huntington	Fixed Facility	Dumping	NRC
3/19/2012	Mingo	Wharnccliffe	Rail	Equipment Failure	NRC
3/26/2012	Mingo	Naugatuck	Rail	Equipment Failure	NRC
4/11/2012	Wayne	Kenova	Highway	Operator Error	PHMSA
4/17/2012	Mason	West Columbia	Storage Tank	Other / Unknown	NRC
4/20/2012	Mingo	Goodman	Rail	Equipment Failure	NRC
5/4/2012	Mason	New Haven	Fixed Facility	Other / Unknown	NRC
5/4/2012	Mason	Gallipolis Ferry	Fixed Facility	Other / Unknown	NRC
5/17/2012	Logan	Logan	Rail	Other / Unknown	NRC
6/13/2012	Mingo	Williamson	Fixed Facility	Other / Unknown	NRC
6/20/2012	Cabell	Huntington	Storage Tank	Operator Error	NRC
6/27/2012	Mason	Gallipolis Ferry	Storage Tank	Other / Unknown	NRC
6/29/2012	Mason	Point Pleasant	Vessel	Other / Unknown	NRC
7/10/2012	Cabell	Huntington	Rail	Other / Unknown	NRC
7/18/2012	Mason	Leon	Fixed Facility	Other / Unknown	NRC
7/23/2012	Mingo	Williamson	Rail	Operator Error	NRC
7/26/2012	Cabell	Huntington	Storage Tank	Equipment Failure	NRC
7/28/2012	Mason	New Haven	Vessel	Equipment Failure	NRC
8/4/2012	Cabell	Huntington	Rail	Other / Unknown	NRC
8/6/2012	Wayne	Kenova	Vessel	Equipment Failure	NRC



TABLE 5.1.G. HAZMAT INCIDENTS					
<i>Date</i>	<i>County</i>	<i>City</i>	<i>Type</i>	<i>Cause</i>	<i>Agency</i>
8/8/2012	Lincoln	Danville	Fixed Facility	Other / Unknown	NRC
8/13/2012	Mingo	Williamson	Rail	Equipment Failure	NRC
8/16/2012	Mingo	Lenore	Rail	Other / Unknown	NRC
8/17/2012	Logan	Logan	Pipeline	Other / Unknown	NRC
9/7/2012	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
9/19/2012	Cabell	Huntington	Rail	Other / Unknown	NRC
9/21/2012	Cabell	Huntington	Storage Tank	Other / Unknown	NRC
10/19/2012	Mason	West Columbia	Vessel	Equipment Failure	NRC
11/2/2012	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
11/13/2012	Cabell	Huntington	Rail	Equipment Failure	NRC
12/14/2012	Cabell	Huntington	Rail	Other / Unknown	NRC
12/27/2012	Mingo	Noland	Rail	Other / Unknown	NRC
12/28/2012	Mingo	Ragland	Rail	Equipment Failure	NRC
1/14/2013	Mason	Henderson	Vessel	Equipment Failure	NRC
1/15/2013	Cabell	Huntington	Fixed Facility	Equipment Failure	NRC
1/27/2013	Wayne	East Lynn	Fixed Facility	Other / Unknown	NRC
2/3/2013	Logan	Peach Creek	Rail	Equipment Failure	NRC
2/8/2013	Logan	Logan	Fixed Facility	Other / Unknown	NRC
2/11/2013	Logan	Peach Creek	Rail	Equipment Failure	NRC
2/12/2013	Wayne	Ceredo	Vessel	Equipment Failure	NRC
2/26/2013	Mason	Point Pleasant	Vessel	Other / Unknown	NRC
3/11/2013	Wayne	Kenova	Highway	Operator Error	PHMSA
3/15/2013	Cabell	Huntington	Highway	Other / Unknown	NRC
3/18/2013	Mingo	Williamson	Rail	Other / Unknown	NRC
3/21/2013	Logan	Unknown	Highway	Other / Unknown	NRC
3/21/2013	Cabell	Huntington	Fixed Facility	Dumping	NRC
3/22/2013	Cabell	Unknown	Rail	Equipment Failure	NRC
3/30/2013	Wayne	Prichard	Fixed Facility	Operator Error	NRC
3/31/2013	Mingo	Varney	Fixed Facility	Other / Unknown	NRC
4/11/2013	Mason	West Columbia	Unknown Sheen	Other / Unknown	NRC
4/20/2013	Cabell	Huntington	Rail	Equipment Failure	NRC
4/28/2013	Mingo	Noland	Rail	Equipment Failure	NRC
4/29/2013	Cabell	Huntington	Rail	Equipment Failure	NRC
4/29/2013	Wayne	Ceredo	Unknown Sheen	Other / Unknown	NRC
5/1/2013	Cabell	Huntington	Rail	Equipment Failure	NRC
5/3/2013	Cabell	Huntington	Rail	Equipment Failure	NRC
5/17/2013	Mingo	Spriggs	Rail	Equipment Failure	NRC
5/18/2013	Mason	Apple Grove	Rail	Other / Unknown	NRC
6/10/2013	Logan	Holden	Unknown Sheen	Other / Unknown	NRC
6/29/2013	Mason	West Columbia	Unknown Sheen	Other / Unknown	NRC
7/1/2013	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
7/1/2013	Wayne	Ceredo	Unknown Sheen	Other / Unknown	NRC
7/7/2013	Mason	New Haven	Fixed Facility	Other / Unknown	NRC
7/7/2013	Wayne	Huntington	Unknown Sheen	Other / Unknown	NRC
7/19/2013	Mason	Mason	Vessel	Other / Unknown	NRC



TABLE 5.1.G. HAZMAT INCIDENTS					
<i>Date</i>	<i>County</i>	<i>City</i>	<i>Type</i>	<i>Cause</i>	<i>Agency</i>
7/21/2013	Logan	Brayeholm	Fixed Facility	Other / Unknown	NRC
7/27/2013	Wayne	Huntington	Fixed Facility	Other / Unknown	NRC
8/1/2013	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
8/2/2013	Mingo	Ragland	Rail	Equipment Failure	NRC
8/6/2013	Logan	Logan	Rail	Other / Unknown	NRC
8/10/2013	Wayne	Ceredo	Fixed Facility	Other / Unknown	NRC
8/16/2013	Logan	Lorado	Highway	Other / Unknown	NRC
8/22/2013	Mason	West Columbia	Unknown Sheen	Other / Unknown	NRC
8/27/2013	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
8/31/2013	Logan	Unknown	Rail	Other / Unknown	NRC
9/16/2013	Logan	Stollings	Fixed Facility	Other / Unknown	NRC
9/18/2013	Lincoln	Unknown	Rail	Equipment Failure	NRC
9/20/2013	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
9/24/2013	Cabell	Barboursville	Storage Tank	Operator Error	NRC
9/27/2013	Mingo	Bias	Rail	Equipment Failure	NRC
9/28/2013	Mingo	Williamson	Rail	Other / Unknown	NRC
9/30/2013	Cabell	Huntington	Highway	Other / Unknown	NRC
10/12/2013	Mingo	Williamson	Rail	Equipment Failure	NRC
10/17/2013	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
10/22/2013	Wayne	East Lynn	Rail	Derailment	NRC
10/23/2013	Mingo	Mingo	Rail	Equipment Failure	NRC
11/8/2013	Mingo	Williamson	Rail	Other / Unknown	NRC
11/10/2013	Mason	Frasers Bottom	Fixed Facility	Dumping	NRC
11/13/2013	Cabell	Kenova	Unknown Sheen	Other / Unknown	NRC
11/19/2013	Logan	Unknown	Fixed Facility	Other / Unknown	NRC
11/29/2013	Mingo	Matewan	Rail	Other / Unknown	NRC
11/29/2013	Cabell	Huntington	Fixed Facility	Dumping	NRC
11/29/2013	Mingo	North Matewan	Rail	Other / Unknown	NRC
12/2/2013	Mingo	Unknown	Rail	Equipment Failure	NRC
12/16/2013	Wayne	Kenova	Fixed Facility	Equipment Failure	NRC
12/20/2013	Cabell	Huntington	Highway	Other / Unknown	NRC
12/22/2013	Mingo	Williamson	Rail	Equipment Failure	NRC
12/27/2013	Mingo	Naugatuck	Rail	Other / Unknown	NRC
1/10/2014	Wayne	Unknown	Pipeline	Equipment Failure	NRC
1/19/2014	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
1/26/2014	Mason	Henderson	Vessel	Operator Error	NRC
1/30/2014	Cabell	Huntington	Rail	Equipment Failure	NRC
2/2/2014	Wayne	Prichard	Rail	Other / Unknown	NRC
2/12/2014	Cabell	Huntington	Rail	Other / Unknown	NRC
2/20/2014	Wayne	Kenova	Fixed Facility	Equipment Failure	NRC
2/27/2014	Cabell	Milton	Pipeline	Equipment Failure	NRC
3/2/2014	Wayne	Kenova	Rail	Other / Unknown	NRC
3/11/2014	Cabell	Huntington	Rail	Other / Unknown	NRC
3/11/2014	Mingo	Williamson	Rail	Other / Unknown	NRC
3/30/2014	Cabell	Unknown	Unknown Sheen	Other / Unknown	NRC



TABLE 5.1.G. HAZMAT INCIDENTS					
<i>Date</i>	<i>County</i>	<i>City</i>	<i>Type</i>	<i>Cause</i>	<i>Agency</i>
4/3/2014	Mingo	Williamson	Fixed Facility	Other / Unknown	NRC
4/5/2014	Logan	Logan	Highway	Equipment Failure	NRC
4/16/2014	Cabell	Huntington	Rail	Other / Unknown	NRC
4/16/2014	Cabell	Huntington	Rail	Equipment Failure	NRC
4/16/2014	Cabell	Huntington	Rail	Other / Unknown	NRC
4/23/2014	Cabell	Huntington	Rail	Equipment Failure	NRC
4/23/2014	Lincoln	Spurlockville	Fixed Facility	Other / Unknown	NRC
4/30/2014	Mason	Point Pleasant	Unknown Sheen	Other / Unknown	NRC
5/4/2014	Logan	Lake	Storage Tank	Other / Unknown	NRC
5/6/2014	Wayne	Huntington	Fixed Facility	Dumping	NRC
5/15/2014	Cabell	Kenova	Unknown Sheen	Other / Unknown	NRC
5/17/2014	Mingo	Gilbert	Rail	Other / Unknown	NRC
5/22/2014	Mingo	Delbarton	Rail	Other / Unknown	NRC
5/29/2014	Cabell	Huntington	Rail	Equipment Failure	NRC
5/30/2014	Mingo	Taylorville	Highway	Other / Unknown	NRC
6/5/2014	Cabell	Huntington	Highway	Operator Error	PHMSA
6/10/2014	Cabell	Huntington	Rail	Other / Unknown	NRC
6/23/2014	Cabell	Huntington	Vessel	Other / Unknown	NRC
7/1/2014	Lincoln	Laurel Hill	Fixed Facility	Other / Unknown	NRC
7/1/2014	Mingo	Chattaroy	Rail	Equipment Failure	NRC
7/2/2014	Logan	Logan	Fixed Facility	Dumping	NRC
7/22/2014	Mingo	Williamson	Rail	Other / Unknown	NRC
8/5/2014	Cabell	Glenwood	Rail	Other / Unknown	NRC
8/11/2014	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
8/14/2014	Mingo	Delmore	Rail	Equipment Failure	NRC
8/18/2014	Wayne	Fort Gay	Fixed Facility	Other / Unknown	NRC
8/20/2014	Lincoln	McCorkle	Fixed Facility	Other / Unknown	NRC
8/22/2014	Mingo	Gilbert	Fixed Facility	Dumping	NRC
8/23/2014	Wayne	Ceredo	Unknown Sheen	Other / Unknown	NRC
8/23/2014	Wayne	Huntington	Unknown Sheen	Other / Unknown	NRC
8/27/2014	Mingo	Naugatuck	Rail	Other / Unknown	NRC
8/29/2014	Mason	Gallipolis Ferry	Fixed Facility	Operator Error	NRC
9/4/2014	Wayne	Fort Gay	Rail	Other / Unknown	NRC
9/20/2014	Cabell	Huntington	Vessel	Other / Unknown	NRC
9/26/2014	Mingo	Naugatuck	Rail	Other / Unknown	NRC
10/6/2014	Mingo	Naugatuck	Rail	Other / Unknown	NRC
10/8/2014	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
10/13/2014	Mingo	Williamson	Rail	Equipment Failure	NRC
10/15/2014	Wayne	Kenova	Highway	Operator Error	PHMSA
10/29/2014	Mingo	Williamson	Highway	Equipment Failure	NRC
11/5/2014	Logan	Rita	Highway	Other / Unknown	NRC
11/14/2014	Wayne	Kenova	Fixed Facility	Other / Unknown	NRC
11/18/2014	Mingo	Matewan	Fixed Facility	Equipment Failure	NRC
11/23/2014	Wayne	Fort Gay	Highway	Other / Unknown	NRC
11/27/2014	Mingo	Williamson	Rail	Equipment Failure	NRC



TABLE 5.1.G. HAZMAT INCIDENTS					
<i>Date</i>	<i>County</i>	<i>City</i>	<i>Type</i>	<i>Cause</i>	<i>Agency</i>
12/12/2014	Mingo	Gilbert	Rail	Equipment Failure	NRC
1/3/2015	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
1/11/2015	Wayne	Unknown	Rail	Equipment Failure	NRC
1/17/2015	Mingo	Williamson	Rail	Equipment Failure	NRC
1/17/2015	Wayne	Huntington	Fixed Facility	Other / Unknown	NRC
1/27/2015	Wayne	Kenova	Rail	Other / Unknown	NRC
1/28/2015	Cabell	Huntington	Rail	Other / Unknown	NRC
1/30/2015	Mingo	Kermit	Rail	Equipment Failure	NRC
2/3/2015	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
2/8/2015	Mingo	Williamson	Rail	Other / Unknown	NRC
2/9/2015	Cabell	Huntington	Highway	Other / Unknown	NRC
2/10/2015	Cabell	Huntington	Rail	Equipment Failure	NRC
2/13/2015	Cabell	Barboursville	Highway	Other / Unknown	NRC
2/16/2015	Wayne	Kenova	Rail	Derailment	NRC
3/2/2015	Mingo	Williamson	Rail	Equipment Failure	NRC
3/3/2015	Wayne	Kermit	Fixed Facility	Dumping	NRC
3/4/2015	Cabell	Huntington	Rail	Other / Unknown	NRC
3/4/2015	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
3/4/2015	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
3/6/2015	Mingo	Williamson	Rail	Other / Unknown	NRC
3/6/2015	Lincoln	Branchland	Fixed Facility	Natural Phenomenon	NRC
3/10/2015	Cabell	Huntington	Highway	Other / Unknown	NRC
3/11/2015	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
3/15/2015	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
3/18/2015	Cabell	Huntington	Rail	Equipment Failure	NRC
3/26/2015	Wayne	Ceredo	Vessel	Equipment Failure	NRC
4/6/2015	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
4/6/2015	Mingo	Williamson	Rail	Equipment Failure	NRC
4/17/2015	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
4/29/2015	Mingo	Williamson	Rail	Equipment Failure	NRC
5/7/2015	Cabell	Huntington	Vessel	Vessel Sinking	NRC
5/17/2015	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
5/20/2015	Cabell	Huntington	Rail	Other / Unknown	NRC
6/8/2015	Cabell	Huntington	Rail	Equipment Failure	NRC
6/9/2015	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
6/10/2015	Cabell	Milton	Fixed Facility	Equipment Failure	NRC
7/8/2015	Cabell	Huntington	Rail	Equipment Failure	NRC
7/11/2015	Mason	New Haven	Highway	Equipment Failure	NRC
7/11/2015	Mingo	Williamson	Rail	Derailment	NRC
7/14/2015	Mingo	Williamson	Fixed Facility	Natural Phenomenon	NRC
7/14/2015	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
7/16/2015	Cabell	Huntington	Highway	Operator Error	NRC
7/20/2015	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
7/23/2015	Mingo	Naugatuck	Rail	Equipment Failure	NRC
7/28/2015	Mingo	Williamson	Rail	Equipment Failure	NRC



TABLE 5.1.G. HAZMAT INCIDENTS					
<i>Date</i>	<i>County</i>	<i>City</i>	<i>Type</i>	<i>Cause</i>	<i>Agency</i>
8/4/2015	Logan	Lorado	Rail	Other / Unknown	NRC
8/7/2015	Mingo	Kermit	Fixed Facility	Natural Phenomenon	NRC
9/13/2015	Wayne	Kenova	Rail	Equipment Failure	NRC
10/5/2015	Mason	Apple Grove	Fixed Facility	Equipment Failure	NRC
10/13/2015	Mingo	Williamson	Rail	Equipment Failure	NRC
10/19/2015	Wayne	Kenova	Vessel	Other / Unknown	NRC
10/25/2015	Mingo	Beech Creek	Rail	Equipment Failure	NRC
10/27/2015	Wayne	Huntington	Highway	Other / Unknown	NRC
10/28/2015	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
10/28/2015	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
12/8/2015	Mason	Henderson	Highway	Equipment Failure	NRC
1/7/2016	Wayne	Huntington	Fixed Facility	Dumping	NRC
1/16/2016	Mason	Henderson	Unknown Sheen	Other / Unknown	NRC
1/19/2016	Wayne	Kenova	Highway	Equipment Failure	NRC
1/25/2016	Wayne	Kenova	Rail	Other / Unknown	NRC
2/8/2016	Mingo	Delbarton	Rail	Equipment Failure	NRC
2/19/2016	Cabell	Huntington	Rail	Other / Unknown	NRC
3/1/2016	Mason	Point Pleasant	Fixed Facility	Dumping	NRC
3/15/2016	Cabell	Huntington	Highway	Equipment Failure	NRC
3/30/2016	Mason	Point Pleasant	Vessel	Operator Error	NRC
4/6/2016	Lincoln	Hamlin	Fixed Facility	Other / Unknown	NRC
4/11/2016	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
4/12/2016	Mingo	Williamson	Rail	Other / Unknown	NRC
4/14/2016	Wayne	Prichard	Highway	Operator Error	NRC
5/14/2016	Mingo	Ragland	Rail	Equipment Failure	NRC
5/20/2016	Cabell	Huntington	Highway	Operator Error	NRC
5/22/2016	Cabell	Huntington	Rail	Other / Unknown	NRC
5/24/2016	Cabell	Huntington	Fixed Facility	Equipment Failure	NRC
5/24/2016	Cabell	Huntington	Fixed Facility	Other / Unknown	NRC
6/16/2016	Mingo	Delbarton	Fixed Facility	Other / Unknown	NRC
6/16/2016	Mingo	Unknown	Rail	Other / Unknown	NRC
6/18/2016	Mingo	Williamson	Rail	Other / Unknown	NRC
7/6/2016	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
7/13/2016	Cabell	Huntington	Rail	Other / Unknown	NRC
7/14/2016	Mingo	Ragland	Rail	Equipment Failure	NRC
7/20/2016	Mason	Point Pleasant	Unknown Sheen	Other / Unknown	NRC
7/28/2016	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
8/10/2016	Cabell	Barboursville	Highway	Other / Unknown	NRC
8/10/2016	Mason	Lakin	Unknown Sheen	Other / Unknown	NRC
8/24/2016	Cabell	Salt Rock	Fixed Facility	Dumping	NRC
8/31/2016	Mason	Gallipolis Ferry	Fixed Facility	Other / Unknown	NRC
9/1/2016	Mingo	Gilbert	Rail	Other / Unknown	NRC
9/2/2016	Mingo	Williamson	Rail	Equipment Failure	NRC
9/3/2016	Mason	New Haven	Fixed Facility	Equipment Failure	NRC
9/7/2016	Mason	New Haven	Fixed Facility	Operator Error	NRC



TABLE 5.1.G. HAZMAT INCIDENTS					
<i>Date</i>	<i>County</i>	<i>City</i>	<i>Type</i>	<i>Cause</i>	<i>Agency</i>
9/8/2016	Mingo	Williamson	Rail	Other / Unknown	NRC
9/11/2016	Mingo	Unknown	Rail	Equipment Failure	NRC
9/15/2016	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
9/25/2016	Mingo	Naugatuck	Rail	Equipment Failure	NRC
9/27/2016	Mason	Gallipolis Ferry	Fixed Facility	Equipment Failure	NRC
10/7/2016	Mingo	Scarlet Glen	Rail	Equipment Failure	NRC
10/9/2016	Mingo	Delbarton	Pipeline	Equipment Failure	NRC
10/9/2016	Mingo	Unknown	Fixed Facility	Equipment Failure	NRC
10/12/2016	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
10/27/2016	Cabell	Huntington	Rail	Equipment Failure	NRC
10/29/2016	Mingo	Naugatuck	Rail	Equipment Failure	NRC
12/3/2016	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
12/15/2016	Mingo	Scarlet Glen	Rail	Equipment Failure	NRC
12/22/2016	Mingo	Ragland	Rail	Other / Unknown	NRC
12/27/2016	Mingo	Williamson	Rail	Equipment Failure	NRC
12/29/2016	Wayne	Kenova	Highway	Operator Error	PHMSA
1/11/2017	Cabell	Milton	Highway	Operator Error	PHMSA
1/13/2017	Mingo	Naugatuck	Rail	Other / Unknown	NRC
1/24/2017	Wayne	Ceredo	Unknown Sheen	Other / Unknown	NRC
1/24/2017	Mason	Henderson	Unknown Sheen	Other / Unknown	NRC
2/1/2017	Mingo	Borderland	Fixed Facility	Equipment Failure	NRC
3/2/2017	Mason	Unknown	Vessel	Operator Error	NRC
3/28/2017	Wayne	Unknown	Pipeline	Equipment Failure	NRC
4/8/2017	Mingo	Gilbert	Rail	Other / Unknown	NRC
4/12/2017	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
4/23/2017	Wayne	Kenova	Fixed Facility	Other / Unknown	NRC
4/29/2017	Logan	Man	Rail	Other / Unknown	NRC
4/29/2017	Mingo	Justice	Rail	Equipment Failure	NRC
5/4/2017	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
5/5/2017	Mason	Gallipolis Ferry	Vessel	Vessel Sinking	NRC
5/12/2017	Wayne	Kenova	Fixed Facility	Other / Unknown	NRC
5/16/2017	Logan	Clothier	Fixed Facility	Other / Unknown	NRC
5/18/2017	Wayne	Glen Hayes	Rail	Equipment Failure	NRC
6/6/2017	Logan	Logan	Rail	Equipment Failure	NRC
6/16/2017	Cabell	Huntington	Rail	Other / Unknown	NRC
6/20/2017	Wayne	Kenova	Fixed Facility	Equipment Failure	NRC
6/28/2017	Cabell	Huntington	Rail	Equipment Failure	NRC
7/5/2017	Wayne	Kenova	Rail	Equipment Failure	PHMSA
7/5/2017	Wayne	Kenova	Rail	Equipment Failure	NRC
7/11/2017	Cabell	Huntington	Rail	Other / Unknown	NRC
7/16/2017	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
7/21/2017	Logan	Pecks Mill	Fixed Facility	Other / Unknown	NRC
7/24/2017	Cabell	Huntington	Pipeline	Equipment Failure	NRC
7/28/2017	Cabell	Huntington	Fixed Facility	Natural Phenomenon	NRC
8/3/2017	Mason	Henderson	Unknown Sheen	Other / Unknown	NRC



TABLE 5.1.G. HAZMAT INCIDENTS					
<i>Date</i>	<i>County</i>	<i>City</i>	<i>Type</i>	<i>Cause</i>	<i>Agency</i>
9/3/2017	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
9/6/2017	Cabell	Huntington	Rail	Equipment Failure	NRC
9/12/2017	Mingo	Kermit	Rail	Equipment Failure	NRC
9/15/2017	Wayne	Kenova	Unknown Sheen	Other / Unknown	NRC
9/17/2017	Wayne	Kenova	Rail	Equipment Failure	NRC
10/17/2017	Wayne	White Creek	Pipeline	Equipment Failure	NRC
10/17/2017	Cabell	Huntington	Fixed Facility	Equipment Failure	NRC
10/18/2017	Wayne	Kenova	Storage Tank	Other / Unknown	NRC
10/21/2017	Mingo	Williamson	Rail	Equipment Failure	NRC
11/2/2017	Wayne	Wayne	Storage Tank	Other / Unknown	NRC
11/2/2017	Mingo	Williamson	Fixed Facility	Other / Unknown	NRC
11/28/2017	Mason	Henderson	Vessel	Operator Error	NRC



SEVERE SUMMER WEATHER

TABLE 5.1.H TORNADO EVENTS (NCEI)								
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>	<i>Tornado Length (MI)</i>	<i>Tornado Width (FT)</i>
Wayne	4/8/1965	Tornado	F3	0	3	\$250,000	3.6	220
Mason	4/24/1970	Tornado	F0	0	0	\$2,500	0.3	33
Lincoln	9/29/1972	Tornado	F1	0	0	\$2,500	20.9	70
Wayne	6/5/1973	Tornado	F0	0	0	\$0	0	33
Lincoln	8/8/1979	Tornado	F0	0	0	\$2,500	0	33
Mason	6/2/1998	Tornado	F1	0	1	\$75,000	0.7	40
Cabell	8/9/2000	Tornado	F1	0	0	\$275,000	0.5	75
Lincoln	8/9/2000	Tornado	F1	0	0	\$200,000	1.5	100
Mason	6/27/2007	Tornado	EF1	0	0	\$8,000	1.16	50
Wayne	3/2/2012	Tornado	EF3	0	0	\$1,900,000	16.61	1000
Lincoln	3/2/2012	Tornado	EF1	0	0	\$200,000	8.88	200
Lincoln	3/2/2012	Tornado	EF1	0	0	\$150,000	16.02	300
Mingo	3/2/2012	Tornado	EF2	0	0	\$90,000	1.2	250
Cabell	6/4/2014	Tornado	EF1	0	0	\$30,000	0.51	400
Wayne	7/4/2016	Tornado	EF0	0	0	\$1,000	0.25	20
Lincoln	7/4/2016	Tornado	EF0	0	0	\$30,000	0.23	50
			Totals	0	4	\$3,216,500		

TABLE 5.1.I HAIL EVENTS (NCEI)						
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Wayne	7/22/1962	Hail	1	0	0	\$0
Wayne	7/23/1962	Hail	2.5	0	0	\$0
Wayne	5/30/1969	Hail	1	0	0	\$0
Logan	5/6/1977	Hail	1	0	0	\$0
Cabell	9/2/1977	Hail	0.75	0	0	\$0
Cabell	6/22/1979	Hail	1	0	0	\$0
Lincoln	6/22/1979	Hail	2	0	0	\$0
Mingo	4/8/1980	Hail	1.75	0	0	\$0
Cabell	11/5/1981	Hail	1	0	0	\$0
Mingo	5/27/1982	Hail	1.75	0	0	\$0
Lincoln	3/6/1983	Hail	0.75	0	0	\$0
Cabell	3/7/1983	Hail	1.25	0	0	\$0
Cabell	7/17/1983	Hail	0.75	0	0	\$0
Cabell	8/8/1983	Hail	1	0	0	\$0
Cabell	8/9/1983	Hail	1	0	0	\$0
Mason	8/11/1983	Hail	1.5	0	0	\$0
Mason	8/11/1983	Hail	1.5	0	0	\$0
Mason	8/11/1983	Hail	1.5	0	0	\$0
Wayne	8/31/1983	Hail	0.75	0	0	\$0
Cabell	7/26/1984	Hail	1.75	0	0	\$0



TABLE 5.1.I HAIL EVENTS (NCEI)						
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Wayne	7/26/1984	Hail	1.75	0	0	\$0
Cabell	7/26/1984	Hail	1	0	0	\$0
Cabell	5/7/1986	Hail	0.75	0	0	\$0
Cabell	5/8/1986	Hail	0.75	0	0	\$0
Mason	5/11/1988	Hail	0.75	0	0	\$0
Wayne	9/16/1989	Hail	0.75	0	0	\$0
Cabell	5/28/1990	Hail	0.75	0	0	\$0
Logan	9/7/1990	Hail	0.75	0	0	\$0
Cabell	4/9/1991	Hail	1.75	0	0	\$0
Wayne	4/9/1991	Hail	1	0	0	\$0
Lincoln	4/9/1991	Hail	0.75	0	0	\$0
Mason	4/9/1991	Hail	1.75	0	0	\$0
Wayne	4/1/1992	Hail	1	0	0	\$0
Mingo	4/24/1992	Hail	0.75	0	0	\$0
Mingo	2/21/1993	Hail	0.75	0	0	\$0
Mingo	2/21/1993	Hail	0.75	0	0	\$0
Mingo	2/21/1993	Hail	0.75	0	0	\$0
Wayne	2/21/1993	Hail	0.75	0	0	\$0
Mason	5/11/1993	Hail	1	0	0	\$0
Mason	5/11/1993	Hail	0.75	0	0	\$0
Cabell	5/12/1993	Hail	0.75	0	0	\$0
Wayne	5/12/1993	Hail	0.75	0	0	\$0
Wayne	11/17/1993	Hail	0.88	0	0	\$5,000
Cabell	4/15/1994	Hail	0.75	0	0	\$0
Cabell	6/7/1994	Hail	0.75	0	0	\$0
Mason	6/7/1994	Hail	1	0	0	\$5,000
Cabell	6/11/1994	Hail	0.75	0	0	\$0
Wayne	6/11/1994	Hail	1	0	0	\$0
Logan	6/11/1994	Hail	1.75	0	0	\$5,000
Logan	6/11/1994	Hail	0.88	0	0	\$0
Cabell	7/29/1994	Hail	0.75	0	0	\$0
Mingo	9/25/1994	Hail	0.75	0	0	\$0
Mingo	9/25/1994	Hail	0.75	0	0	\$0
Mingo	9/25/1994	Hail	0.75	0	0	\$0
Mingo	9/25/1994	Hail	0.75	0	0	\$0
Lincoln	9/25/1994	Hail	0.75	0	0	\$0
Logan	9/25/1994	Hail	1.75	0	0	\$5,000
Mason	9/25/1994	Hail	2.75	0	0	\$500,000
Cabell	3/20/1995	Hail	1.75	0	0	\$0
Wayne	5/10/1995	Hail	0.75	0	0	\$0
Lincoln	5/10/1995	Hail	0.75	0	0	\$0
Mingo	5/18/1995	Hail	0.88	0	0	\$0
Logan	6/14/1995	Hail	0.75	0	0	\$0
Mingo	6/20/1995	Hail	1	0	0	\$5,000
Mingo	8/18/1995	Hail	0.75	0	0	\$0



TABLE 5.1.I HAIL EVENTS (NCEI)						
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Lincoln	4/15/1996	Hail	0.75	0	0	\$0
Lincoln	5/24/1996	Hail	1	0	0	\$0
Lincoln	5/24/1996	Hail	0.75	0	0	\$0
Cabell	5/28/1996	Hail	0.75	0	0	\$0
Lincoln	5/28/1996	Hail	0.88	0	0	\$0
Logan	6/3/1996	Hail	0.75	0	0	\$0
Cabell	6/22/1996	Hail	0.75	0	0	\$0
Lincoln	6/22/1996	Hail	0.75	0	0	\$0
Logan	6/22/1996	Hail	0.75	0	0	\$0
Cabell	7/2/1996	Hail	0.75	0	0	\$0
Wayne	5/14/1997	Hail	0.75	0	0	\$0
Wayne	5/14/1997	Hail	1	0	0	\$0
Lincoln	5/14/1997	Hail	0.88	0	0	\$0
Wayne	5/14/1997	Hail	0.75	0	0	\$0
Cabell	5/14/1997	Hail	0.75	0	0	\$0
Wayne	6/2/1997	Hail	0.75	0	0	\$0
Logan	7/2/1997	Hail	0.75	0	0	\$0
Mingo	7/2/1997	Hail	1.25	0	0	\$0
Lincoln	7/22/1997	Hail	0.75	0	0	\$0
Cabell	8/15/1997	Hail	0.88	0	0	\$0
Wayne	8/17/1997	Hail	0.75	0	0	\$0
Mason	1/8/1998	Hail	1	0	0	\$0
Mingo	5/3/1998	Hail	0.75	0	0	\$0
Logan	5/3/1998	Hail	0.75	0	0	\$0
Cabell	5/24/1998	Hail	1.25	0	0	\$250,000
Cabell	5/24/1998	Hail	0.75	0	0	\$0
Cabell	5/24/1998	Hail	1.25	0	0	\$250,000
Wayne	5/24/1998	Hail	0.88	0	0	\$10,000
Lincoln	5/24/1998	Hail	0.75	0	0	\$0
Mingo	5/24/1998	Hail	1	0	0	\$0
Mason	6/10/1998	Hail	0.75	0	0	\$0
Lincoln	6/10/1998	Hail	1.75	0	0	\$5,000
Mason	6/15/1998	Hail	0.75	0	0	\$0
Wayne	6/16/1998	Hail	1	0	0	\$35,000
Mason	6/16/1998	Hail	1	0	0	\$0
Cabell	6/29/1998	Hail	0.75	0	0	\$0
Cabell	7/2/1998	Hail	0.88	0	0	\$0
Wayne	7/2/1998	Hail	0.88	0	0	\$0
Cabell	9/6/1998	Hail	1	0	0	\$0
Mingo	1/18/1999	Hail	0.75	0	0	\$0
Mingo	1/18/1999	Hail	1.25	0	0	\$0
Lincoln	1/21/1999	Hail	0.75	0	0	\$0
Mingo	4/8/1999	Hail	0.75	0	0	\$0
Mingo	4/23/1999	Hail	1.75	0	0	\$0
Logan	7/25/1999	Hail	1	0	0	\$0



TABLE 5.1.I HAIL EVENTS (NCEI)						
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Mingo	7/25/1999	Hail	1	0	0	\$0
Wayne	7/30/1999	Hail	0.75	0	0	\$0
Mingo	4/17/2000	Hail	0.75	0	0	\$0
Mason	5/24/2000	Hail	1	0	0	\$0
Logan	6/15/2000	Hail	1	0	0	\$0
Lincoln	7/14/2000	Hail	0.75	0	0	\$0
Cabell	7/14/2000	Hail	0.75	0	0	\$0
Mingo	4/10/2001	Hail	1	0	0	\$0
Mingo	4/10/2001	Hail	0.75	0	0	\$0
Mason	5/18/2001	Hail	2	0	0	\$150,000
Mason	5/18/2001	Hail	1.25	0	0	\$50,000
Mason	5/18/2001	Hail	1	0	0	\$0
Mingo	5/19/2001	Hail	0.75	0	0	\$0
Mason	6/2/2001	Hail	0.75	0	0	\$0
Cabell	6/2/2001	Hail	0.88	0	0	\$0
Mingo	8/23/2001	Hail	0.75	0	0	\$0
Cabell	2/20/2002	Hail	1	0	0	\$0
Wayne	4/28/2002	Hail	0.75	0	0	\$0
Logan	4/28/2002	Hail	0.75	0	0	\$0
Logan	4/28/2002	Hail	1.25	0	0	\$15,000
Mingo	4/28/2002	Hail	1.5	0	0	\$20,000
Mingo	4/28/2002	Hail	1	0	0	\$5,000
Mingo	6/1/2002	Hail	0.75	0	0	\$0
Logan	7/2/2002	Hail	1	0	0	\$0
Wayne	2/22/2003	Hail	0.75	0	0	\$0
Wayne	2/22/2003	Hail	0.75	0	0	\$0
Lincoln	2/22/2003	Hail	0.75	0	0	\$0
Mingo	3/20/2003	Hail	1	0	0	\$0
Wayne	3/20/2003	Hail	1.25	0	0	\$0
Cabell	5/10/2003	Hail	1	0	0	\$0
Logan	5/10/2003	Hail	1.25	0	0	\$0
Logan	5/10/2003	Hail	1.5	0	0	\$0
Logan	5/10/2003	Hail	1	0	0	\$0
Cabell	5/10/2003	Hail	0.75	0	0	\$0
Mingo	6/11/2003	Hail	0.88	0	0	\$0
Wayne	7/8/2003	Hail	0.75	0	0	\$0
Cabell	7/9/2003	Hail	0.75	0	0	\$0
Cabell	7/12/2003	Hail	0.75	0	0	\$0
Logan	8/4/2003	Hail	1	0	0	\$0
Lincoln	5/25/2004	Hail	0.75	0	0	\$0
Lincoln	5/25/2004	Hail	1	0	0	\$0
Mason	5/26/2004	Hail	1	0	0	\$0
Logan	5/30/2004	Hail	1	0	0	\$0
Mason	6/14/2004	Hail	0.88	0	0	\$0
Mason	8/10/2004	Hail	0.02	0	0	\$5,000



TABLE 5.1.I HAIL EVENTS (NCEI)						
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Mason	8/10/2004	Hail	0.75	0	0	\$0
Mingo	3/23/2005	Hail	0.75	0	0	\$0
Logan	3/23/2005	Hail	0.75	0	0	\$0
Wayne	3/23/2005	Hail	0.75	0	0	\$0
Wayne	5/13/2005	Hail	0.88	0	0	\$0
Lincoln	5/13/2005	Hail	0.88	0	0	\$0
Cabell	5/13/2005	Hail	0.75	0	0	\$0
Cabell	5/13/2005	Hail	0.88	0	0	\$0
Cabell	5/13/2005	Hail	1	0	0	\$1,000
Logan	5/13/2005	Hail	1	0	0	\$0
Mingo	7/27/2005	Hail	0.88	0	0	\$0
Mingo	8/16/2005	Hail	0.75	0	0	\$0
Mason	11/8/2005	Hail	0.75	0	0	\$0
Mason	12/28/2005	Hail	0.88	0	0	\$0
Wayne	4/7/2006	Hail	0.88	0	0	\$0
Mingo	4/7/2006	Hail	1	0	0	\$0
Lincoln	4/7/2006	Hail	1	0	0	\$0
Lincoln	4/7/2006	Hail	1.25	0	0	\$0
Logan	4/7/2006	Hail	1.75	0	0	\$25,000
Wayne	4/14/2006	Hail	0.88	0	0	\$0
Logan	4/14/2006	Hail	0.88	0	0	\$0
Mingo	4/17/2006	Hail	1	0	0	\$0
Wayne	4/20/2006	Hail	0.75	0	0	\$0
Cabell	4/20/2006	Hail	0.88	0	0	\$0
Logan	5/31/2006	Hail	1.5	0	0	\$0
Logan	6/4/2006	Hail	1	0	0	\$0
Wayne	6/4/2006	Hail	0.75	0	0	\$0
Mingo	6/4/2006	Hail	1	0	0	\$0
Lincoln	6/19/2006	Hail	1	0	0	\$0
Mingo	6/20/2006	Hail	0.75	0	0	\$0
Logan	6/20/2006	Hail	1	0	0	\$0
Logan	6/20/2006	Hail	1.75	0	0	\$0
Wayne	6/22/2006	Hail	0.75	0	0	\$0
Lincoln	6/22/2006	Hail	0.75	0	0	\$0
Mason	7/4/2006	Hail	0.88	0	0	\$0
Logan	7/4/2006	Hail	1	0	0	\$0
Logan	7/4/2006	Hail	0.88	0	0	\$0
Lincoln	7/4/2006	Hail	0.75	0	0	\$0
Lincoln	7/4/2006	Hail	1	0	0	\$0
Wayne	7/21/2006	Hail	0.75	0	0	\$0
Logan	10/11/2006	Hail	1	0	0	\$0
Logan	10/11/2006	Hail	1.25	0	0	\$0
Lincoln	3/14/2007	Hail	1	0	0	\$0
Wayne	5/2/2007	Hail	0.75	0	0	\$0
Mason	6/13/2007	Hail	0.88	0	0	\$0



TABLE 5.1.I HAIL EVENTS (NCEI)						
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Mason	7/24/2007	Hail	0.75	0	0	\$0
Mason	7/24/2007	Hail	0.88	0	0	\$0
Mason	7/26/2007	Hail	0.75	0	0	\$0
Mingo	4/11/2008	Hail	1.75	0	0	\$5,000
Mingo	5/9/2008	Hail	0.88	0	0	\$0
Mingo	5/9/2008	Hail	1	0	0	\$0
Mingo	5/9/2008	Hail	1.25	0	0	\$0
Mingo	5/9/2008	Hail	1.75	0	0	\$5,000
Lincoln	5/9/2008	Hail	1.75	0	0	\$0
Cabell	5/9/2008	Hail	0.75	0	0	\$0
Cabell	6/1/2008	Hail	0.88	0	0	\$0
Cabell	6/1/2008	Hail	0.88	0	0	\$0
Mason	6/4/2008	Hail	0.75	0	0	\$0
Mason	6/4/2008	Hail	0.88	0	0	\$0
Mingo	6/9/2008	Hail	1	0	0	\$0
Mingo	6/9/2008	Hail	0.75	0	0	\$0
Mingo	6/9/2008	Hail	1	0	0	\$0
Mingo	6/9/2008	Hail	0.75	0	0	\$0
Logan	6/9/2008	Hail	0.88	0	0	\$0
Mingo	6/9/2008	Hail	0.88	0	0	\$0
Cabell	6/16/2008	Hail	0.88	0	0	\$0
Cabell	6/16/2008	Hail	0.75	0	0	\$0
Lincoln	6/16/2008	Hail	1	0	0	\$0
Wayne	6/16/2008	Hail	1.75	0	0	\$5,000
Wayne	6/16/2008	Hail	1	0	0	\$0
Wayne	6/16/2008	Hail	1	0	0	\$0
Logan	6/16/2008	Hail	0.88	0	0	\$0
Mingo	6/16/2008	Hail	0.88	0	0	\$0
Logan	6/16/2008	Hail	1.75	0	0	\$0
Logan	6/16/2008	Hail	1.75	0	0	\$20,000
Mingo	6/16/2008	Hail	1	0	0	\$0
Cabell	6/22/2008	Hail	1	0	0	\$0
Cabell	6/22/2008	Hail	0.75	0	0	\$0
Mason	6/23/2008	Hail	0.75	0	0	\$0
Mason	6/23/2008	Hail	0.88	0	0	\$0
Logan	6/27/2008	Hail	0.88	0	0	\$0
Wayne	6/30/2008	Hail	0.75	0	0	\$0
Mingo	7/22/2008	Hail	0.75	0	0	\$0
Logan	4/5/2009	Hail	0.75	0	0	\$0
Logan	4/5/2009	Hail	0.88	0	0	\$0
Wayne	4/10/2009	Hail	0.88	0	0	\$0
Mason	5/26/2009	Hail	0.88	0	0	\$0
Lincoln	5/30/2009	Hail	0.75	0	0	\$0
Cabell	5/30/2009	Hail	1.75	0	0	\$10,000
Cabell	5/30/2009	Hail	1	0	0	\$0



TABLE 5.1.I HAIL EVENTS (NCEI)						
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Cabell	5/30/2009	Hail	1.75	0	0	\$25,000
Cabell	5/30/2009	Hail	0.88	0	0	\$0
Cabell	5/30/2009	Hail	1	0	0	\$0
Wayne	5/30/2009	Hail	1	0	0	\$0
Wayne	5/30/2009	Hail	1	0	0	\$2,000
Wayne	5/30/2009	Hail	1.75	0	0	\$10,000
Cabell	5/30/2009	Hail	0.75	0	0	\$0
Wayne	5/30/2009	Hail	1	0	0	\$0
Mingo	5/31/2009	Hail	0.88	0	0	\$0
Mason	6/2/2009	Hail	1	0	0	\$0
Mason	6/2/2009	Hail	1	0	0	\$0
Mingo	6/2/2009	Hail	1	0	0	\$0
Lincoln	6/8/2009	Hail	0.75	0	0	\$0
Lincoln	4/5/2010	Hail	1	0	0	\$0
Wayne	4/5/2010	Hail	0.75	0	0	\$0
Lincoln	4/5/2010	Hail	0.75	0	0	\$0
Lincoln	4/5/2010	Hail	1	0	0	\$0
Mason	4/5/2010	Hail	1.25	0	0	\$0
Mason	4/5/2010	Hail	1	0	0	\$0
Mason	4/5/2010	Hail	1	0	0	\$0
Mingo	5/14/2010	Hail	1	0	0	\$0
Mingo	5/14/2010	Hail	1.75	0	0	\$0
Lincoln	5/14/2010	Hail	1.25	0	0	\$0
Mingo	5/14/2010	Hail	1.25	0	0	\$0
Mingo	2/28/2011	Hail	1	0	0	\$0
Mingo	2/28/2011	Hail	1	0	0	\$0
Mingo	2/28/2011	Hail	0.75	0	0	\$0
Mason	3/21/2011	Hail	0.88	0	0	\$0
Cabell	3/21/2011	Hail	0.75	0	0	\$0
Lincoln	3/23/2011	Hail	0.88	0	0	\$0
Lincoln	3/23/2011	Hail	0.75	0	0	\$0
Lincoln	4/4/2011	Hail	0.75	0	0	\$0
Wayne	4/8/2011	Hail	0.75	0	0	\$0
Wayne	4/8/2011	Hail	1.75	0	0	\$5,000
Mason	4/8/2011	Hail	0.88	0	0	\$0
Mason	4/8/2011	Hail	0.75	0	0	\$0
Lincoln	4/8/2011	Hail	1	0	0	\$0
Lincoln	4/8/2011	Hail	1	0	0	\$0
Logan	4/8/2011	Hail	1	0	0	\$0
Logan	4/8/2011	Hail	0.88	0	0	\$0
Logan	4/8/2011	Hail	1	0	0	\$0
Logan	4/8/2011	Hail	1.25	0	0	\$0
Logan	4/8/2011	Hail	0.75	0	0	\$0
Logan	4/8/2011	Hail	0.88	0	0	\$0
Logan	4/8/2011	Hail	1	0	0	\$0



TABLE 5.1.I HAIL EVENTS (NCEI)						
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Wayne	4/9/2011	Hail	1	0	0	\$0
Mingo	4/9/2011	Hail	1	0	0	\$0
Mingo	4/9/2011	Hail	1	0	0	\$0
Logan	4/9/2011	Hail	1.75	0	0	\$10,000
Logan	4/9/2011	Hail	0.88	0	0	\$0
Wayne	5/10/2011	Hail	0.75	0	0	\$0
Cabell	5/10/2011	Hail	1	0	0	\$20,000
Wayne	5/22/2011	Hail	1	0	0	\$0
Wayne	5/22/2011	Hail	1	0	0	\$0
Wayne	6/21/2011	Hail	0.88	0	0	\$0
Lincoln	6/21/2011	Hail	1	0	0	\$0
Wayne	6/23/2011	Hail	0.88	0	0	\$0
Mingo	9/3/2011	Hail	0.88	0	0	\$0
Lincoln	9/3/2011	Hail	0.88	0	0	\$0
Mason	9/14/2011	Hail	0.88	0	0	\$0
Cabell	9/26/2011	Hail	1	0	0	\$1,000
Cabell	9/26/2011	Hail	0.88	0	0	\$0
Cabell	9/26/2011	Hail	1	0	0	\$0
Mingo	3/2/2012	Hail	1.5	0	0	\$5,000
Wayne	3/2/2012	Hail	1.75	0	0	\$10,000
Wayne	3/2/2012	Hail	1.75	0	0	\$10,000
Wayne	3/2/2012	Hail	1.75	0	0	\$5,000
Logan	3/2/2012	Hail	1	0	0	\$3,000
Logan	3/2/2012	Hail	0.75	0	0	\$3,000
Wayne	3/2/2012	Hail	1.75	0	0	\$0
Lincoln	3/2/2012	Hail	1.75	0	0	\$5,000
Cabell	3/15/2012	Hail	0.75	0	0	\$0
Lincoln	3/15/2012	Hail	0.88	0	0	\$0
Lincoln	3/15/2012	Hail	0.88	0	0	\$0
Wayne	3/28/2012	Hail	1	0	0	\$0
Wayne	3/28/2012	Hail	1	0	0	\$0
Cabell	3/28/2012	Hail	0.75	0	0	\$0
Cabell	3/28/2012	Hail	1	0	0	\$0
Wayne	3/28/2012	Hail	0.88	0	0	\$0
Mason	3/28/2012	Hail	1.25	0	0	\$0
Logan	4/26/2012	Hail	1	0	0	\$2,000
Logan	4/26/2012	Hail	1.25	0	0	\$10,000
Logan	4/26/2012	Hail	0.88	0	0	\$0
Mingo	5/4/2012	Hail	0.88	0	0	\$0
Logan	8/1/2012	Hail	0.88	0	0	\$0
Mason	9/26/2012	Hail	1	0	0	\$0
Wayne	9/26/2012	Hail	0.88	0	0	\$0
Logan	10/18/2012	Hail	1	0	0	\$700,000
Logan	10/18/2012	Hail	1	0	0	\$0
Mason	5/27/2014	Hail	1	0	0	\$0



TABLE 5.1.I HAIL EVENTS (NCEI)						
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Magnitude</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Cabell	7/8/2014	Hail	0.88	0	0	\$0
Lincoln	10/7/2014	Hail	1	0	0	\$0
Mingo	4/8/2015	Hail	1.25	0	0	\$20,000
Mingo	4/8/2015	Hail	1.25	0	0	\$0
Lincoln	5/11/2015	Hail	0.88	0	0	\$0
Mingo	6/1/2015	Hail	1	0	0	\$0
Wayne	6/8/2015	Hail	0.88	0	0	\$0
Wayne	6/25/2015	Hail	1.5	0	0	\$10,000
Cabell	6/26/2015	Hail	1	0	0	\$5,000
Wayne	4/22/2016	Hail	0.75	0	0	\$0
Wayne	5/1/2016	Hail	1	0	0	\$0
Mason	5/1/2016	Hail	1	0	0	\$0
Mingo	5/1/2016	Hail	1.75	0	0	\$20,000
Logan	5/1/2016	Hail	2	0	0	\$50,000
Lincoln	5/1/2016	Hail	1.75	0	0	\$25,000
Lincoln	5/1/2016	Hail	1	0	0	\$0
Logan	5/1/2016	Hail	1	0	0	\$0
Mingo	5/2/2016	Hail	1	0	0	\$0
Mingo	6/16/2016	Hail	0.75	0	0	\$0
Mason	6/21/2016	Hail	1.75	0	0	\$0
Total				0	0	\$2,347,000

TABLE 5.1.J HEAVY RAIN EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Mason	5/5/1996	Heavy Rain	1	0	\$0
Cabell	7/9/1997	Heavy Rain	1	0	\$0
Cabell	9/1/1998	Heavy Rain	0	0	\$0
Mason	9/1/1998	Heavy Rain	0	0	\$0
Wayne	9/1/1998	Heavy Rain	0	0	\$0
Logan	10/1/1998	Heavy Rain	0	0	\$0
Cabell	1/1/1999	Heavy Rain	0	0	\$0
Lincoln	1/1/1999	Heavy Rain	0	0	\$0
Logan	1/1/1999	Heavy Rain	0	0	\$0
Mason	1/1/1999	Heavy Rain	0	0	\$0
Mingo	1/1/1999	Heavy Rain	0	0	\$0
Wayne	1/1/1999	Heavy Rain	0	0	\$0
Cabell	10/1/2000	Heavy Rain	0	0	\$0
Lincoln	10/1/2000	Heavy Rain	0	0	\$0
Logan	10/1/2000	Heavy Rain	0	0	\$0
Mason	10/1/2000	Heavy Rain	0	0	\$0
Mingo	10/1/2000	Heavy Rain	0	0	\$0
Wayne	10/1/2000	Heavy Rain	0	0	\$0
Cabell	11/1/2000	Heavy Rain	0	0	\$0



TABLE 5.1.J HEAVY RAIN EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Lincoln	11/1/2000	Heavy Rain	0	0	\$0
Logan	11/1/2000	Heavy Rain	0	0	\$0
Mason	11/1/2000	Heavy Rain	0	0	\$0
Mingo	11/1/2000	Heavy Rain	0	0	\$0
Wayne	11/1/2000	Heavy Rain	0	0	\$0
Cabell	1/18/2001	Heavy Rain	0	0	\$0
Lincoln	1/18/2001	Heavy Rain	0	0	\$0
Logan	1/18/2001	Heavy Rain	0	0	\$0
Mingo	1/18/2001	Heavy Rain	0	0	\$0
Wayne	1/18/2001	Heavy Rain	0	0	\$0
Cabell	5/1/2001	Heavy Rain	0	0	\$0
Lincoln	5/1/2001	Heavy Rain	0	0	\$0
Mason	5/1/2001	Heavy Rain	0	0	\$0
Wayne	5/1/2001	Heavy Rain	0	0	\$0
Cabell	9/1/2001	Heavy Rain	0	0	\$0
Wayne	9/1/2001	Heavy Rain	0	0	\$0
Mingo	10/1/2001	Heavy Rain	0	0	\$0
Logan	11/1/2001	Heavy Rain	0	0	\$0
Mingo	11/1/2001	Heavy Rain	0	0	\$0
Cabell	2/1/2002	Heavy Rain	0	0	\$0
Lincoln	2/1/2002	Heavy Rain	0	0	\$0
Logan	2/1/2002	Heavy Rain	0	0	\$0
Mason	2/1/2002	Heavy Rain	0	0	\$0
Mingo	2/1/2002	Heavy Rain	0	0	\$0
Wayne	2/1/2002	Heavy Rain	0	0	\$0
Cabell	3/1/2002	Heavy Rain	0	0	\$0
Wayne	3/1/2002	Heavy Rain	0	0	\$0
Mingo	8/1/2002	Heavy Rain	0	0	\$0
Wayne	8/1/2002	Heavy Rain	0	0	\$0
Cabell	8/1/2002	Heavy Rain	0	0	\$0
Lincoln	8/1/2002	Heavy Rain	0	0	\$0
Logan	8/1/2002	Heavy Rain	0	0	\$0
Mason	8/1/2002	Heavy Rain	0	0	\$0
Cabell	10/1/2002	Heavy Rain	0	0	\$0
Lincoln	10/1/2002	Heavy Rain	0	0	\$0
Logan	10/1/2002	Heavy Rain	0	0	\$0
Mason	10/1/2002	Heavy Rain	0	0	\$0
Mingo	10/1/2002	Heavy Rain	0	0	\$0
Wayne	10/1/2002	Heavy Rain	0	0	\$0
Wayne	5/4/2009	Heavy Rain	0	0	\$3,000
Lincoln	5/4/2009	Heavy Rain	0	0	\$3,000
Cabell	6/10/2009	Heavy Rain	0	0	\$5,000
Wayne	7/11/2009	Heavy Rain	0	0	\$15,000
Cabell	7/31/2009	Heavy Rain	0	0	\$1,000
Cabell	9/26/2009	Heavy Rain	0	0	\$0



TABLE 5.1.J HEAVY RAIN EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Cabell	8/19/2011	Heavy Rain	0	0	\$25,000
Mason	1/30/2013	Heavy Rain	1	0	\$0
Mason	6/13/2013	Heavy Rain	0	0	\$400,000
Wayne	7/6/2013	Heavy Rain	0	0	\$5,000
Cabell	7/21/2013	Heavy Rain	0	0	\$20,000
Lincoln	7/4/2015	Heavy Rain	1	0	\$0
Wayne	6/12/2016	Heavy Rain	0	0	\$5,000
		Total	4	0	\$482,000

TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Cabell	3/22/1955	Thunderstorm Wind	0	0	\$0
Wayne	7/4/1966	Thunderstorm Wind	0	0	\$0
Wayne	5/28/1967	Thunderstorm Wind	0	0	\$0
Wayne	4/23/1968	Thunderstorm Wind	0	0	\$0
Wayne	6/12/1968	Thunderstorm Wind	0	0	\$0
Mason	7/22/1968	Thunderstorm Wind	0	0	\$0
Cabell	8/14/1968	Thunderstorm Wind	0	0	\$0
Mason	6/7/1969	Thunderstorm Wind	0	0	\$0
Mason	6/25/1971	Thunderstorm Wind	0	0	\$0
Logan	3/5/1974	Thunderstorm Wind	0	0	\$0
Cabell	4/14/1974	Thunderstorm Wind	0	0	\$0
Cabell	8/2/1974	Thunderstorm Wind	0	0	\$0
Wayne	12/5/1977	Thunderstorm Wind	0	0	\$0
Mingo	4/8/1980	Thunderstorm Wind	0	0	\$0
Logan	4/8/1980	Thunderstorm Wind	0	0	\$0
Cabell	7/9/1980	Thunderstorm Wind	0	0	\$0
Cabell	4/17/1981	Thunderstorm Wind	0	0	\$0
Mason	5/14/1981	Thunderstorm Wind	0	0	\$0
Cabell	6/21/1981	Thunderstorm Wind	0	0	\$0
Lincoln	6/21/1981	Thunderstorm Wind	0	0	\$0
Mason	6/16/1982	Thunderstorm Wind	0	0	\$0
Cabell	3/27/1983	Thunderstorm Wind	0	0	\$0
Mason	3/27/1983	Thunderstorm Wind	0	0	\$0
Wayne	3/27/1983	Thunderstorm Wind	0	0	\$0
Mason	8/1/1983	Thunderstorm Wind	0	0	\$0
Mason	8/1/1983	Thunderstorm Wind	0	0	\$0
Cabell	8/8/1983	Thunderstorm Wind	0	0	\$0
Mason	8/11/1983	Thunderstorm Wind	0	0	\$0
Logan	6/16/1984	Thunderstorm Wind	0	0	\$0
Logan	7/12/1986	Thunderstorm Wind	0	0	\$0
Mason	7/14/1986	Thunderstorm Wind	0	0	\$0
Lincoln	7/20/1986	Thunderstorm Wind	0	0	\$0



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Mason	8/5/1989	Thunderstorm Wind	0	0	\$0
Cabell	8/5/1989	Thunderstorm Wind	0	0	\$0
Lincoln	8/5/1989	Thunderstorm Wind	0	0	\$0
Mason	6/8/1990	Thunderstorm Wind	0	0	\$0
Mason	6/9/1990	Thunderstorm Wind	0	0	\$0
Mingo	9/7/1990	Thunderstorm Wind	0	0	\$0
Lincoln	4/9/1991	Thunderstorm Wind	0	0	\$0
Wayne	4/9/1991	Thunderstorm Wind	0	0	\$0
Mason	4/9/1991	Thunderstorm Wind	0	0	\$0
Cabell	4/9/1991	Thunderstorm Wind	1	0	\$0
Mingo	4/9/1991	Thunderstorm Wind	0	0	\$0
Logan	4/9/1991	Thunderstorm Wind	0	0	\$0
Mason	7/12/1991	Thunderstorm Wind	0	0	\$0
Cabell	7/13/1991	Thunderstorm Wind	0	0	\$0
Mason	7/23/1991	Thunderstorm Wind	0	0	\$0
Cabell	7/23/1991	Thunderstorm Wind	0	0	\$0
Lincoln	7/23/1991	Thunderstorm Wind	0	0	\$0
Wayne	7/23/1991	Thunderstorm Wind	0	0	\$0
Cabell	7/23/1991	Thunderstorm Wind	0	0	\$0
Cabell	7/23/1991	Thunderstorm Wind	0	0	\$0
Logan	4/24/1992	Thunderstorm Wind	0	0	\$0
Mason	6/24/1992	Thunderstorm Wind	0	0	\$0
Cabell	6/24/1992	Thunderstorm Wind	0	3	\$0
Wayne	7/9/1992	Thunderstorm Wind	0	0	\$0
Cabell	7/11/1992	Thunderstorm Wind	0	0	\$0
Mason	7/11/1992	Thunderstorm Wind	0	0	\$0
Mason	7/18/1992	Thunderstorm Wind	0	0	\$0
Cabell	7/18/1992	Thunderstorm Wind	0	0	\$0
Wayne	7/21/1992	Thunderstorm Wind	0	0	\$0
Wayne	7/30/1992	Thunderstorm Wind	0	0	\$0
Wayne	7/31/1992	Thunderstorm Wind	0	0	\$0
Cabell	2/21/1993	Thunderstorm Wind	0	0	\$50,000
Wayne	2/21/1993	Thunderstorm Wind	0	0	\$5,000
Wayne	2/21/1993	Thunderstorm Wind	0	0	\$500,000
Lincoln	2/21/1993	Thunderstorm Wind	0	0	\$50,000
Mason	2/21/1993	Thunderstorm Wind	0	0	\$5,000
Cabell	4/15/1993	Thunderstorm Wind	0	0	\$5,000
Wayne	4/15/1993	Thunderstorm Wind	0	0	\$5,000
Mason	4/15/1993	Thunderstorm Wind	0	0	\$5,000
Mason	5/11/1993	Thunderstorm Wind	0	0	\$0
Cabell	5/12/1993	Thunderstorm Wind	0	0	\$0
Cabell	5/12/1993	Thunderstorm Wind	0	0	\$0
Wayne	5/12/1993	Thunderstorm Wind	0	0	\$0
Logan	5/18/1993	Thunderstorm Wind	0	0	\$5,000
Wayne	9/25/1993	Thunderstorm Wind	0	0	\$5,000



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Cabell	11/17/1993	Thunderstorm Wind	0	0	\$50,000
Cabell	11/17/1993	Thunderstorm Wind	0	0	\$50,000
Wayne	11/17/1993	Thunderstorm Wind	0	0	\$50,000
Cabell	4/15/1994	Thunderstorm Wind	0	0	\$0
Mason	4/26/1994	Thunderstorm Wind	0	0	\$0
Cabell	4/28/1994	Thunderstorm Wind	0	0	\$0
Wayne	4/29/1994	Thunderstorm Wind	0	0	\$0
Cabell	6/7/1994	Thunderstorm Wind	0	0	\$5,000
Cabell	6/7/1994	Thunderstorm Wind	0	0	\$0
Mason	6/7/1994	Thunderstorm Wind	0	0	\$5,000
Logan	6/11/1994	Thunderstorm Wind	0	0	\$5,000
Lincoln	6/20/1994	Thunderstorm Wind	0	0	\$5,000
Mason	7/29/1994	Thunderstorm Wind	0	0	\$0
Cabell	9/25/1994	Thunderstorm Wind	0	0	\$0
Cabell	5/10/1995	Thunderstorm Wind	0	0	\$15,000
Wayne	5/10/1995	Thunderstorm Wind	0	0	\$5,000
Mason	5/10/1995	Thunderstorm Wind	0	0	\$15,000
Cabell	5/18/1995	Thunderstorm Wind	0	0	\$25,000
Mingo	5/18/1995	Thunderstorm Wind	0	0	\$20,000
Wayne	5/18/1995	Thunderstorm Wind	0	1	\$30,000
Lincoln	5/18/1995	Thunderstorm Wind	0	0	\$15,000
Cabell	6/8/1995	Thunderstorm Wind	0	0	\$35,000
Wayne	6/8/1995	Thunderstorm Wind	0	0	\$10,000
Wayne	6/8/1995	Thunderstorm Wind	0	0	\$20,000
Wayne	6/8/1995	Thunderstorm Wind	0	0	\$5,000
Lincoln	6/8/1995	Thunderstorm Wind	0	0	\$5,000
Logan	6/8/1995	Thunderstorm Wind	0	0	\$10,000
Cabell	6/10/1995	Thunderstorm Wind	0	0	\$10,000
Mason	6/10/1995	Thunderstorm Wind	0	0	\$10,000
Logan	6/11/1995	Thunderstorm Wind	0	0	\$0
Cabell	6/29/1995	Thunderstorm Wind	0	0	\$10,000
Logan	8/1/1995	Thunderstorm Wind	0	0	\$0
Mingo	4/20/1996	Thunderstorm Wind	0	0	\$20,000
Wayne	4/20/1996	Thunderstorm Wind	0	0	\$0
Cabell	4/23/1996	Thunderstorm Wind	0	0	\$50,000
Cabell	4/23/1996	Thunderstorm Wind	0	0	\$0
Mason	4/23/1996	Thunderstorm Wind	0	0	\$5,000
Mason	4/23/1996	Thunderstorm Wind	0	0	\$15,000
Cabell	4/26/1996	Strong Wind	0	0	\$10,000
Wayne	5/4/1996	Thunderstorm Wind	0	0	\$5,000
Wayne	5/4/1996	Thunderstorm Wind	0	0	\$3,000
Mason	5/4/1996	Thunderstorm Wind	0	0	\$10,000
Wayne	5/8/1996	Thunderstorm Wind	0	0	\$10,000
Cabell	5/27/1996	Thunderstorm Wind	0	0	\$5,000
Wayne	5/27/1996	Thunderstorm Wind	0	0	\$3,000



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Wayne	5/27/1996	Thunderstorm Wind	0	0	\$30,000
Lincoln	5/27/1996	Thunderstorm Wind	0	0	\$15,000
Wayne	6/8/1996	Thunderstorm Wind	0	0	\$1,000
Cabell	6/8/1996	Thunderstorm Wind	0	0	\$5,000
Cabell	6/22/1996	Thunderstorm Wind	0	0	\$3,000
Logan	6/22/1996	Thunderstorm Wind	0	0	\$5,000
Logan	6/22/1996	Thunderstorm Wind	0	0	\$25,000
Cabell	6/24/1996	Thunderstorm Wind	0	0	\$5,000
Mason	6/24/1996	Thunderstorm Wind	0	0	\$1,000
Wayne	6/24/1996	Thunderstorm Wind	0	0	\$1,000
Lincoln	6/24/1996	Thunderstorm Wind	0	0	\$3,000
Lincoln	7/2/1996	Thunderstorm Wind	0	0	\$200,000
Cabell	7/2/1996	Thunderstorm Wind	0	0	\$3,000
Mason	8/8/1996	Thunderstorm Wind	0	0	\$2,000
Mingo	1/5/1997	Thunderstorm Wind	0	0	\$1,000
Logan	1/5/1997	Thunderstorm Wind	0	0	\$1,000
Mason	7/2/1997	Thunderstorm Wind	0	0	\$20,000
Lincoln	7/2/1997	Thunderstorm Wind	0	0	\$2,000
Lincoln	7/2/1997	Thunderstorm Wind	0	0	\$5,000
Logan	7/2/1997	Thunderstorm Wind	0	0	\$2,000
Mingo	7/2/1997	Thunderstorm Wind	0	0	\$1,000
Cabell	7/9/1997	Thunderstorm Wind	0	0	\$3,000
Wayne	7/9/1997	Thunderstorm Wind	0	0	\$2,000
Wayne	7/22/1997	Thunderstorm Wind	0	0	\$3,000
Mason	7/28/1997	Thunderstorm Wind	0	0	\$2,000
Mason	7/28/1997	Thunderstorm Wind	0	0	\$5,000
Cabell	7/28/1997	Thunderstorm Wind	0	0	\$5,000
Cabell	7/28/1997	Thunderstorm Wind	0	0	\$5,000
Cabell	7/28/1997	Thunderstorm Wind	0	0	\$5,000
Mason	8/4/1997	Thunderstorm Wind	0	0	\$2,000
Cabell	8/17/1997	Thunderstorm Wind	0	0	\$2,000
Mason	8/17/1997	Thunderstorm Wind	0	0	\$2,000
Mason	8/17/1997	Thunderstorm Wind	0	0	\$15,000
Cabell	8/17/1997	Thunderstorm Wind	0	0	\$2,000
Wayne	8/17/1997	Thunderstorm Wind	0	0	\$2,000
Wayne	8/17/1997	Thunderstorm Wind	0	0	\$2,000
Wayne	8/17/1997	Thunderstorm Wind	0	0	\$2,000
Wayne	8/17/1997	Thunderstorm Wind	0	0	\$1,000
Cabell	8/17/1997	Thunderstorm Wind	0	0	\$15,000
Lincoln	8/17/1997	Thunderstorm Wind	0	0	\$2,000
Wayne	2/17/1998	Thunderstorm Wind	0	0	\$3,000
Wayne	4/15/1998	Thunderstorm Wind	0	0	\$5,000
Mingo	5/20/1998	Thunderstorm Wind	0	0	\$2,000
Cabell	5/24/1998	Thunderstorm Wind	0	0	\$50,000
Mason	6/15/1998	Thunderstorm Wind	0	0	\$2,000



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Cabell	6/16/1998	Thunderstorm Wind	0	0	\$5,000
Mingo	6/24/1998	Thunderstorm Wind	0	0	\$2,000
Mason	6/29/1998	Thunderstorm Wind	0	0	\$10,000
Mason	9/7/1998	Thunderstorm Wind	0	0	\$1,000
Wayne	1/18/1999	Thunderstorm Wind	0	0	\$2,000
Wayne	1/18/1999	Thunderstorm Wind	0	0	\$2,000
Mingo	1/18/1999	Thunderstorm Wind	0	0	\$2,000
Cabell	2/7/1999	Strong Wind	0	0	\$0
Wayne	2/7/1999	Strong Wind	0	0	\$0
Mingo	4/8/1999	Thunderstorm Wind	0	0	\$2,000
Mingo	4/8/1999	Thunderstorm Wind	0	1	\$5,000
Cabell	4/9/1999	Thunderstorm Wind	0	0	\$2,000
Cabell	4/16/1999	Strong Wind	0	0	\$0
Lincoln	4/16/1999	Strong Wind	0	0	\$0
Logan	4/16/1999	Strong Wind	0	0	\$0
Mason	4/16/1999	Strong Wind	0	0	\$0
Mingo	4/16/1999	Strong Wind	0	0	\$0
Wayne	4/16/1999	Strong Wind	0	0	\$0
Mingo	4/23/1999	Thunderstorm Wind	0	0	\$5,000
Mingo	7/25/1999	Thunderstorm Wind	0	0	\$2,000
Mason	7/30/1999	Thunderstorm Wind	0	0	\$10,000
Wayne	7/30/1999	Thunderstorm Wind	0	0	\$2,000
Wayne	7/30/1999	Thunderstorm Wind	0	0	\$2,000
Cabell	8/13/1999	Thunderstorm Wind	0	0	\$2,000
Lincoln	8/13/1999	Thunderstorm Wind	0	0	\$3,000
Mingo	8/13/1999	Thunderstorm Wind	0	0	\$5,000
Lincoln	8/19/1999	Thunderstorm Wind	0	0	\$15,000
Lincoln	10/13/1999	Thunderstorm Wind	0	0	\$15,000
Wayne	10/13/1999	Thunderstorm Wind	0	0	\$0
Wayne	10/13/1999	Thunderstorm Wind	0	0	\$20,000
Cabell	10/13/1999	Thunderstorm Wind	0	0	\$5,000
Cabell	1/10/2000	High Wind	0	0	\$0
Lincoln	1/10/2000	High Wind	0	0	\$0
Logan	1/10/2000	High Wind	0	0	\$0
Mason	1/10/2000	High Wind	0	0	\$0
Mingo	1/10/2000	High Wind	0	0	\$0
Wayne	1/10/2000	High Wind	0	0	\$0
Cabell	1/11/2000	High Wind	0	0	\$0
Lincoln	1/11/2000	High Wind	0	0	\$0
Logan	1/11/2000	High Wind	0	0	\$0
Mason	1/11/2000	High Wind	0	0	\$0
Mingo	1/11/2000	High Wind	0	0	\$0
Wayne	1/11/2000	High Wind	0	0	\$0
Logan	5/28/2000	Thunderstorm Wind	0	0	\$1,000
Lincoln	6/14/2000	Thunderstorm Wind	0	0	\$2,000



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Lincoln	6/14/2000	Thunderstorm Wind	0	0	\$1,000
Logan	6/15/2000	Thunderstorm Wind	0	0	\$5,000
Mason	6/15/2000	Thunderstorm Wind	0	0	\$1,000
Wayne	6/21/2000	Thunderstorm Wind	0	0	\$1,000
Lincoln	7/10/2000	Thunderstorm Wind	0	0	\$5,000
Mingo	7/10/2000	Thunderstorm Wind	0	0	\$4,000
Lincoln	7/14/2000	Thunderstorm Wind	0	0	\$2,000
Cabell	7/14/2000	Thunderstorm Wind	0	0	\$15,000
Cabell	7/28/2000	Thunderstorm Wind	0	0	\$200,000
Wayne	7/28/2000	Thunderstorm Wind	0	0	\$1,000
Logan	7/28/2000	Thunderstorm Wind	0	0	\$3,000
Wayne	7/29/2000	Thunderstorm Wind	0	0	\$1,000
Wayne	7/29/2000	Thunderstorm Wind	0	0	\$1,000
Lincoln	7/29/2000	Thunderstorm Wind	0	0	\$1,000
Wayne	8/7/2000	Thunderstorm Wind	0	0	\$5,000
Logan	8/7/2000	Thunderstorm Wind	0	0	\$2,000
Mingo	8/7/2000	Thunderstorm Wind	0	0	\$5,000
Mason	8/9/2000	Thunderstorm Wind	0	0	\$5,000
Mason	8/9/2000	Thunderstorm Wind	0	0	\$2,000
Mason	8/9/2000	Thunderstorm Wind	0	0	\$15,000
Cabell	8/9/2000	Thunderstorm Wind	0	0	\$10,000
Wayne	8/9/2000	Thunderstorm Wind	0	0	\$25,000
Lincoln	8/9/2000	Thunderstorm Wind	0	0	\$10,000
Wayne	8/27/2000	Thunderstorm Wind	0	0	\$3,000
Mason	9/20/2000	Thunderstorm Wind	0	0	\$0
Cabell	11/9/2000	High Wind	0	0	\$0
Lincoln	11/9/2000	High Wind	0	0	\$0
Logan	11/9/2000	High Wind	0	0	\$0
Mason	11/9/2000	High Wind	0	0	\$0
Mingo	11/9/2000	High Wind	0	0	\$0
Wayne	11/9/2000	High Wind	0	0	\$0
Lincoln	12/11/2000	High Wind	0	0	\$0
Logan	12/11/2000	High Wind	0	0	\$0
Mason	12/11/2000	High Wind	0	0	\$0
Mingo	12/11/2000	High Wind	0	0	\$0
Wayne	12/11/2000	High Wind	0	0	\$0
Cabell	12/11/2000	High Wind	0	0	\$0
Cabell	2/9/2001	High Wind	0	0	\$0
Lincoln	2/9/2001	High Wind	0	0	\$0
Logan	2/9/2001	High Wind	0	0	\$0
Mason	2/9/2001	High Wind	0	0	\$0
Mingo	2/9/2001	High Wind	0	0	\$0
Wayne	2/9/2001	High Wind	0	0	\$0
Cabell	2/25/2001	High Wind	0	0	\$0
Lincoln	2/25/2001	High Wind	0	0	\$0



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Logan	2/25/2001	High Wind	0	0	\$0
Mason	2/25/2001	High Wind	0	0	\$0
Mingo	2/25/2001	High Wind	0	0	\$0
Wayne	2/25/2001	High Wind	0	0	\$0
Cabell	3/13/2001	High Wind	0	0	\$0
Lincoln	3/13/2001	High Wind	0	0	\$0
Mason	3/13/2001	High Wind	0	0	\$0
Wayne	3/13/2001	High Wind	0	0	\$0
Mason	5/17/2001	Thunderstorm Wind	0	0	\$15,000
Cabell	5/17/2001	Thunderstorm Wind	0	0	\$5,000
Lincoln	5/17/2001	Thunderstorm Wind	0	0	\$1,000
Lincoln	5/21/2001	Thunderstorm Wind	0	0	\$5,000
Lincoln	5/21/2001	Thunderstorm Wind	0	0	\$2,000
Logan	5/21/2001	Thunderstorm Wind	0	0	\$5,000
Mason	6/6/2001	Thunderstorm Wind	0	0	\$2,000
Cabell	6/6/2001	Thunderstorm Wind	0	0	\$3,000
Lincoln	7/5/2001	Thunderstorm Wind	0	0	\$3,000
Logan	10/24/2001	Thunderstorm Wind	0	0	\$3,000
Cabell	12/14/2001	High Wind	0	0	\$0
Lincoln	12/14/2001	High Wind	0	0	\$0
Logan	12/14/2001	High Wind	0	0	\$0
Mason	12/14/2001	High Wind	0	0	\$0
Mingo	12/14/2001	High Wind	0	0	\$0
Wayne	12/14/2001	High Wind	0	0	\$20,000
Cabell	3/9/2002	High Wind	0	0	\$25,000
Lincoln	3/9/2002	High Wind	0	0	\$1,000
Mason	3/9/2002	High Wind	0	0	\$6,000
Wayne	3/9/2002	High Wind	0	0	\$5,000
Logan	5/2/2002	Thunderstorm Wind	0	0	\$2,000
Mingo	5/2/2002	Thunderstorm Wind	0	0	\$10,000
Mason	5/8/2002	Thunderstorm Wind	0	0	\$2,000
Logan	5/13/2002	Thunderstorm Wind	0	0	\$1,000
Mingo	6/25/2002	Thunderstorm Wind	0	0	\$1,000
Wayne	11/10/2002	Thunderstorm Wind	0	0	\$1,000
Lincoln	11/10/2002	Thunderstorm Wind	0	0	\$3,000
Mason	11/10/2002	Thunderstorm Wind	0	0	\$1,000
Mason	11/10/2002	Thunderstorm Wind	0	0	\$1,000
Wayne	11/10/2002	Thunderstorm Wind	0	0	\$2,000
Wayne	11/10/2002	Thunderstorm Wind	0	0	\$2,000
Wayne	2/22/2003	Thunderstorm Wind	0	0	\$0
Cabell	2/22/2003	Thunderstorm Wind	0	0	\$0
Mingo	2/22/2003	Thunderstorm Wind	0	0	\$0
Cabell	5/1/2003	Thunderstorm Wind	0	0	\$15,000
Wayne	5/10/2003	Thunderstorm Wind	0	0	\$2,000
Mingo	5/10/2003	Thunderstorm Wind	0	0	\$1,000



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Lincoln	7/6/2003	Thunderstorm Wind	0	0	\$0
Mingo	7/9/2003	Thunderstorm Wind	0	0	\$0
Logan	7/9/2003	Thunderstorm Wind	0	0	\$0
Cabell	7/10/2003	Thunderstorm Wind	0	0	\$0
Wayne	7/10/2003	Thunderstorm Wind	0	0	\$0
Cabell	7/10/2003	Thunderstorm Wind	0	0	\$0
Lincoln	7/10/2003	Thunderstorm Wind	0	0	\$0
Lincoln	7/10/2003	Thunderstorm Wind	0	0	\$0
Wayne	7/10/2003	Thunderstorm Wind	0	0	\$0
Lincoln	8/4/2003	Thunderstorm Wind	0	0	\$0
Mason	3/7/2004	Thunderstorm Wind	0	0	\$10,000
Wayne	5/25/2004	Thunderstorm Wind	0	0	\$0
Logan	5/25/2004	Thunderstorm Wind	0	0	\$0
Mason	5/27/2004	Thunderstorm Wind	0	0	\$0
Mason	5/27/2004	Thunderstorm Wind	0	0	\$0
Mingo	5/30/2004	Thunderstorm Wind	0	0	\$0
Wayne	5/31/2004	Thunderstorm Wind	0	0	\$0
Cabell	5/31/2004	Thunderstorm Wind	0	0	\$0
Logan	5/31/2004	Thunderstorm Wind	0	0	\$0
Mingo	6/1/2004	Thunderstorm Wind	0	0	\$0
Cabell	6/1/2004	Thunderstorm Wind	0	1	\$75,000
Wayne	6/1/2004	Thunderstorm Wind	0	0	\$0
Mason	6/1/2004	Thunderstorm Wind	0	0	\$0
Lincoln	6/1/2004	Thunderstorm Wind	0	0	\$0
Cabell	6/11/2004	Thunderstorm Wind	0	0	\$0
Lincoln	6/11/2004	Thunderstorm Wind	0	0	\$0
Mason	6/14/2004	Thunderstorm Wind	0	0	\$0
Mason	6/14/2004	Thunderstorm Wind	0	0	\$0
Mingo	8/4/2004	Thunderstorm Wind	0	0	\$0
Cabell	12/7/2004	High Wind	0	0	\$0
Mason	12/7/2004	High Wind	0	0	\$0
Wayne	12/7/2004	High Wind	0	0	\$0
Lincoln	12/10/2004	Thunderstorm Wind	0	0	\$0
Mingo	5/13/2005	Thunderstorm Wind	0	0	\$0
Lincoln	5/13/2005	Thunderstorm Wind	0	0	\$0
Wayne	6/14/2005	Thunderstorm Wind	0	0	\$0
Cabell	6/14/2005	Thunderstorm Wind	0	0	\$0
Lincoln	6/14/2005	Thunderstorm Wind	0	0	\$0
Logan	7/3/2005	Thunderstorm Wind	0	0	\$20,000
Cabell	7/25/2005	Thunderstorm Wind	1	0	\$1,000
Mason	7/25/2005	Thunderstorm Wind	0	0	\$1,000
Cabell	7/27/2005	Thunderstorm Wind	0	0	\$0
Mason	7/27/2005	Thunderstorm Wind	0	0	\$1,000
Mason	8/5/2005	Thunderstorm Wind	0	0	\$0
Wayne	4/7/2006	Thunderstorm Wind	0	0	\$0



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Mingo	4/7/2006	Thunderstorm Wind	0	2	\$900,000
Logan	4/7/2006	Thunderstorm Wind	0	1	\$50,000
Cabell	4/20/2006	Thunderstorm Wind	0	0	\$0
Mingo	6/4/2006	Thunderstorm Wind	0	0	\$0
Mason	6/22/2006	Thunderstorm Wind	0	0	\$0
Cabell	6/22/2006	Thunderstorm Wind	0	0	\$5,000
Logan	6/23/2006	Thunderstorm Wind	0	0	\$0
Cabell	7/3/2006	Thunderstorm Wind	0	0	\$0
Lincoln	7/3/2006	Thunderstorm Wind	0	0	\$0
Mason	7/4/2006	Thunderstorm Wind	0	0	\$5,000
Wayne	7/4/2006	Thunderstorm Wind	0	0	\$0
Lincoln	7/4/2006	Thunderstorm Wind	0	0	\$0
Cabell	7/14/2006	Thunderstorm Wind	0	0	\$0
Wayne	7/14/2006	Thunderstorm Wind	0	0	\$0
Mason	7/14/2006	Thunderstorm Wind	0	0	\$0
Wayne	7/21/2006	Thunderstorm Wind	0	0	\$5,000
Cabell	7/21/2006	Thunderstorm Wind	0	0	\$0
Cabell	7/21/2006	Thunderstorm Wind	0	0	\$0
Lincoln	7/21/2006	Thunderstorm Wind	0	0	\$0
Mingo	8/7/2006	Thunderstorm Wind	0	0	\$0
Wayne	8/19/2006	Thunderstorm Wind	0	0	\$0
Cabell	8/30/2006	Thunderstorm Wind	0	0	\$0
Wayne	8/30/2006	Thunderstorm Wind	0	0	\$0
Logan	3/14/2007	Thunderstorm Wind	0	0	\$0
Mingo	6/24/2007	Thunderstorm Wind	0	0	\$0
Cabell	6/27/2007	Thunderstorm Wind	0	0	\$1,000
Mason	7/17/2007	Thunderstorm Wind	0	0	\$0
Cabell	7/17/2007	Thunderstorm Wind	0	0	\$40,000
Cabell	7/17/2007	Thunderstorm Wind	0	0	\$4,000
Wayne	7/19/2007	Thunderstorm Wind	0	0	\$0
Cabell	7/19/2007	Thunderstorm Wind	0	0	\$0
Logan	7/19/2007	Thunderstorm Wind	0	0	\$0
Wayne	7/19/2007	Thunderstorm Wind	0	0	\$0
Lincoln	7/19/2007	Thunderstorm Wind	0	0	\$0
Logan	7/19/2007	Thunderstorm Wind	0	0	\$0
Wayne	7/26/2007	Thunderstorm Wind	0	0	\$0
Wayne	7/26/2007	Thunderstorm Wind	0	0	\$0
Lincoln	7/26/2007	Thunderstorm Wind	0	0	\$0
Lincoln	7/26/2007	Thunderstorm Wind	0	1	\$0
Logan	7/26/2007	Thunderstorm Wind	0	0	\$0
Mingo	7/26/2007	Thunderstorm Wind	0	0	\$0
Mason	7/27/2007	Thunderstorm Wind	0	0	\$0
Cabell	8/16/2007	Thunderstorm Wind	0	0	\$0
Mason	8/16/2007	Thunderstorm Wind	0	0	\$0
Mason	8/16/2007	Thunderstorm Wind	0	0	\$0



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Logan	8/16/2007	Thunderstorm Wind	0	0	\$0
Mingo	8/16/2007	Thunderstorm Wind	0	0	\$0
Cabell	1/29/2008	Thunderstorm Wind	0	0	\$1,000
Mason	1/29/2008	Thunderstorm Wind	0	0	\$2,000
Wayne	1/29/2008	Thunderstorm Wind	0	0	\$0
Cabell	2/6/2008	Thunderstorm Wind	0	0	\$0
Cabell	2/6/2008	Thunderstorm Wind	0	0	\$5,000
Cabell	2/6/2008	Thunderstorm Wind	0	0	\$0
Logan	2/6/2008	Thunderstorm Wind	0	0	\$0
Mingo	2/6/2008	Thunderstorm Wind	0	0	\$0
Mingo	4/11/2008	Thunderstorm Wind	0	0	\$2,000
Logan	4/11/2008	Thunderstorm Wind	0	0	\$0
Logan	4/11/2008	Thunderstorm Wind	0	1	\$200,000
Cabell	5/11/2008	Thunderstorm Wind	0	0	\$0
Lincoln	5/11/2008	Thunderstorm Wind	0	0	\$0
Wayne	5/11/2008	Thunderstorm Wind	0	0	\$0
Logan	5/11/2008	Thunderstorm Wind	0	0	\$0
Mingo	5/11/2008	Thunderstorm Wind	0	0	\$0
Logan	5/11/2008	Thunderstorm Wind	0	0	\$0
Logan	5/11/2008	Thunderstorm Wind	0	0	\$0
Mason	6/4/2008	Thunderstorm Wind	0	0	\$0
Mason	6/4/2008	Thunderstorm Wind	0	0	\$0
Wayne	6/4/2008	Thunderstorm Wind	0	0	\$0
Cabell	6/4/2008	Thunderstorm Wind	0	0	\$0
Cabell	6/4/2008	Thunderstorm Wind	0	0	\$0
Mason	6/4/2008	Thunderstorm Wind	0	0	\$0
Cabell	6/4/2008	Thunderstorm Wind	0	0	\$0
Mason	6/12/2008	Thunderstorm Wind	0	0	\$0
Lincoln	6/13/2008	Thunderstorm Wind	0	0	\$0
Mason	6/28/2008	Thunderstorm Wind	0	0	\$2,000
Lincoln	6/28/2008	Thunderstorm Wind	0	0	\$2,000
Cabell	6/28/2008	Thunderstorm Wind	0	0	\$0
Wayne	6/28/2008	Thunderstorm Wind	0	0	\$0
Wayne	7/20/2008	Thunderstorm Wind	0	0	\$0
Cabell	7/20/2008	Thunderstorm Wind	0	0	\$0
Wayne	7/20/2008	Thunderstorm Wind	0	0	\$0
Logan	7/22/2008	Thunderstorm Wind	0	0	\$0
Logan	7/22/2008	Thunderstorm Wind	0	0	\$0
Logan	2/11/2009	Thunderstorm Wind	0	0	\$5,000
Logan	2/11/2009	Thunderstorm Wind	0	0	\$0
Mason	2/11/2009	Thunderstorm Wind	0	0	\$0
Wayne	2/11/2009	Thunderstorm Wind	0	0	\$10,000
Cabell	2/11/2009	Thunderstorm Wind	0	0	\$10,000
Mingo	2/11/2009	Thunderstorm Wind	0	0	\$10,000
Mingo	2/11/2009	Thunderstorm Wind	0	0	\$15,000



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Mason	2/11/2009	Thunderstorm Wind	0	0	\$5,000
Logan	2/11/2009	Thunderstorm Wind	0	0	\$5,000
Lincoln	2/11/2009	Thunderstorm Wind	0	0	\$20,000
Lincoln	4/5/2009	Thunderstorm Wind	0	0	\$2,000
Logan	4/5/2009	Thunderstorm Wind	0	0	\$15,000
Mingo	4/5/2009	Thunderstorm Wind	0	0	\$2,000
Logan	4/5/2009	Thunderstorm Wind	0	0	\$0
Logan	4/5/2009	Thunderstorm Wind	0	0	\$0
Logan	4/5/2009	Thunderstorm Wind	0	0	\$2,000
Lincoln	5/28/2009	Thunderstorm Wind	0	0	\$0
Wayne	5/30/2009	Thunderstorm Wind	0	0	\$0
Lincoln	5/30/2009	Thunderstorm Wind	0	0	\$0
Mingo	5/31/2009	Thunderstorm Wind	0	0	\$0
Mingo	6/2/2009	Thunderstorm Wind	0	0	\$1,000
Logan	6/2/2009	Thunderstorm Wind	0	0	\$0
Logan	6/2/2009	Thunderstorm Wind	0	0	\$0
Logan	6/2/2009	Thunderstorm Wind	0	0	\$0
Mingo	7/25/2009	Thunderstorm Wind	0	0	\$0
Mingo	7/25/2009	Thunderstorm Wind	0	0	\$0
Mingo	5/8/2010	Thunderstorm Wind	0	0	\$0
Cabell	6/21/2010	Thunderstorm Wind	0	0	\$2,000
Wayne	6/21/2010	Thunderstorm Wind	0	0	\$10,000
Lincoln	6/21/2010	Thunderstorm Wind	0	0	\$2,000
Mingo	6/21/2010	Thunderstorm Wind	0	0	\$1,000
Lincoln	6/23/2010	Thunderstorm Wind	0	0	\$3,000
Cabell	6/27/2010	Thunderstorm Wind	0	0	\$10,000
Cabell	6/27/2010	Thunderstorm Wind	0	0	\$15,000
Lincoln	8/4/2010	Thunderstorm Wind	0	0	\$10,000
Cabell	8/5/2010	Thunderstorm Wind	0	0	\$10,000
Wayne	8/14/2010	Thunderstorm Wind	0	0	\$3,000
Wayne	8/14/2010	Thunderstorm Wind	0	0	\$5,000
Cabell	8/14/2010	Thunderstorm Wind	0	0	\$1,000
Cabell	8/14/2010	Thunderstorm Wind	0	0	\$2,000
Cabell	10/26/2010	Thunderstorm Wind	0	0	\$20,000
Mason	10/26/2010	Thunderstorm Wind	0	0	\$2,000
Mason	10/26/2010	Thunderstorm Wind	0	0	\$2,000
Mason	10/26/2010	Thunderstorm Wind	0	0	\$2,000
Mason	10/26/2010	Thunderstorm Wind	0	0	\$10,000
Mingo	10/26/2010	Thunderstorm Wind	0	0	\$1,000
Mingo	10/26/2010	Thunderstorm Wind	0	0	\$1,000
Lincoln	10/26/2010	Thunderstorm Wind	0	0	\$5,000
Lincoln	2/28/2011	Thunderstorm Wind	0	0	\$2,000
Cabell	2/28/2011	Thunderstorm Wind	0	0	\$2,000
Lincoln	3/23/2011	Thunderstorm Wind	0	0	\$1,000
Lincoln	4/4/2011	Thunderstorm Wind	0	0	\$20,000



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Logan	4/4/2011	Thunderstorm Wind	0	0	\$5,000
Cabell	4/4/2011	Thunderstorm Wind	0	0	\$20,000
Lincoln	4/4/2011	Thunderstorm Wind	0	0	\$5,000
Logan	4/8/2011	Thunderstorm Wind	0	0	\$2,000
Mingo	4/25/2011	Thunderstorm Wind	0	0	\$1,000
Cabell	4/25/2011	Thunderstorm Wind	0	0	\$1,000
Cabell	4/25/2011	Thunderstorm Wind	0	0	\$10,000
Wayne	4/25/2011	Thunderstorm Wind	0	0	\$1,000
Wayne	4/25/2011	Thunderstorm Wind	0	0	\$1,000
Wayne	4/25/2011	Thunderstorm Wind	0	0	\$1,000
Wayne	5/10/2011	Thunderstorm Wind	0	0	\$100,000
Cabell	5/23/2011	Thunderstorm Wind	0	0	\$15,000
Cabell	5/23/2011	Thunderstorm Wind	0	0	\$5,000
Mason	6/7/2011	Thunderstorm Wind	0	0	\$2,000
Wayne	6/21/2011	Thunderstorm Wind	0	0	\$5,000
Lincoln	6/21/2011	Thunderstorm Wind	0	0	\$2,000
Cabell	6/21/2011	Thunderstorm Wind	0	0	\$15,000
Cabell	6/23/2011	Thunderstorm Wind	0	0	\$1,000
Wayne	6/23/2011	Thunderstorm Wind	0	0	\$8,000
Wayne	6/23/2011	Thunderstorm Wind	0	0	\$1,000
Logan	7/22/2011	Thunderstorm Wind	0	0	\$1,000
Cabell	7/24/2011	Thunderstorm Wind	0	0	\$75,000
Mingo	9/3/2011	Thunderstorm Wind	0	0	\$0
Lincoln	9/3/2011	Thunderstorm Wind	0	0	\$10,000
Mingo	2/29/2012	Thunderstorm Wind	0	0	\$4,000
Wayne	6/22/2012	Thunderstorm Wind	0	0	\$2,000
Mason	6/29/2012	Thunderstorm Wind	0	0	\$50,000
Wayne	6/29/2012	Thunderstorm Wind	0	0	\$0
Mason	6/29/2012	Thunderstorm Wind	0	0	\$0
Mason	6/29/2012	Thunderstorm Wind	0	0	\$20,000
Mason	6/29/2012	Thunderstorm Wind	0	0	\$1,500,000
Mason	6/29/2012	Thunderstorm Wind	0	0	\$15,000
Cabell	6/29/2012	Thunderstorm Wind	0	0	\$25,000
Cabell	6/29/2012	Thunderstorm Wind	0	0	\$75,000
Cabell	6/29/2012	Thunderstorm Wind	0	0	\$3,000,000
Wayne	6/29/2012	Thunderstorm Wind	0	0	\$1,000,000
Lincoln	6/29/2012	Thunderstorm Wind	0	0	\$750,000
Logan	6/29/2012	Thunderstorm Wind	0	0	\$10,000
Logan	6/29/2012	Thunderstorm Wind	0	0	\$750,000
Mingo	6/29/2012	Thunderstorm Wind	0	0	\$750,000
Logan	7/1/2012	Thunderstorm Wind	0	0	\$50,000
Logan	7/1/2012	Thunderstorm Wind	0	0	\$1,000
Mingo	7/1/2012	Thunderstorm Wind	0	0	\$5,000
Logan	7/5/2012	Thunderstorm Wind	0	0	\$5,000
Logan	7/5/2012	Thunderstorm Wind	0	0	\$10,000



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Logan	7/5/2012	Thunderstorm Wind	0	0	\$0
Mingo	7/5/2012	Thunderstorm Wind	0	0	\$15,000
Lincoln	7/5/2012	Thunderstorm Wind	0	0	\$10,000
Lincoln	7/5/2012	Thunderstorm Wind	0	0	\$50,000
Cabell	7/8/2012	Thunderstorm Wind	0	0	\$8,000
Wayne	7/8/2012	Thunderstorm Wind	0	0	\$15,000
Mingo	7/18/2012	Thunderstorm Wind	0	0	\$1,000
Cabell	7/19/2012	Thunderstorm Wind	0	0	\$5,000
Cabell	7/19/2012	Thunderstorm Wind	0	0	\$5,000
Wayne	7/24/2012	Thunderstorm Wind	0	0	\$2,000
Cabell	1/30/2013	Thunderstorm Wind	0	0	\$5,000
Cabell	1/30/2013	Thunderstorm Wind	0	0	\$2,000
Cabell	5/10/2013	Thunderstorm Wind	0	0	\$50,000
Lincoln	5/21/2013	Thunderstorm Wind	0	0	\$5,000
Lincoln	5/21/2013	Thunderstorm Wind	0	0	\$5,000
Lincoln	5/21/2013	Thunderstorm Wind	0	0	\$5,000
Lincoln	5/21/2013	Thunderstorm Wind	0	0	\$5,000
Lincoln	5/21/2013	Thunderstorm Wind	0	0	\$5,000
Mingo	5/21/2013	Thunderstorm Wind	0	0	\$2,000
Mingo	5/21/2013	Thunderstorm Wind	0	0	\$1,000
Logan	7/1/2013	Thunderstorm Wind	0	0	\$5,000
Wayne	11/1/2013	Thunderstorm Wind	0	0	\$0
Wayne	11/1/2013	Thunderstorm Wind	0	0	\$150,000
Cabell	11/1/2013	Thunderstorm Wind	0	0	\$250,000
Cabell	11/1/2013	Thunderstorm Wind	0	0	\$0
Cabell	11/1/2013	Thunderstorm Wind	0	0	\$25,000
Cabell	11/1/2013	Thunderstorm Wind	0	0	\$10,000
Mason	11/17/2013	Thunderstorm Wind	0	0	\$1,000
Cabell	11/17/2013	Thunderstorm Wind	0	0	\$3,000
Wayne	12/22/2013	Thunderstorm Wind	0	0	\$5,000
Cabell	12/22/2013	Thunderstorm Wind	0	0	\$10,000
Mason	12/22/2013	Thunderstorm Wind	0	0	\$8,000
Lincoln	12/22/2013	Thunderstorm Wind	0	0	\$5,000
Wayne	2/21/2014	Thunderstorm Wind	0	0	\$20,000
Wayne	2/21/2014	Thunderstorm Wind	0	0	\$25,000
Mingo	2/21/2014	Thunderstorm Wind	0	0	\$25,000
Lincoln	2/21/2014	Thunderstorm Wind	0	0	\$30,000
Lincoln	2/21/2014	Thunderstorm Wind	0	0	\$15,000
Cabell	2/21/2014	Thunderstorm Wind	0	0	\$200,000
Mingo	2/21/2014	Thunderstorm Wind	0	0	\$20,000
Wayne	3/12/2014	Strong Wind	0	0	\$25,000
Lincoln	4/3/2014	Thunderstorm Wind	0	0	\$2,000
Wayne	4/29/2014	Thunderstorm Wind	0	0	\$5,000
Mingo	5/13/2014	Thunderstorm Wind	0	0	\$5,000
Mason	6/3/2014	Thunderstorm Wind	0	0	\$2,000



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Cabell	6/10/2014	Thunderstorm Wind	0	0	\$200,000
Wayne	6/10/2014	Thunderstorm Wind	0	0	\$2,000
Wayne	6/10/2014	Thunderstorm Wind	0	0	\$5,000
Cabell	6/10/2014	Thunderstorm Wind	0	0	\$10,000
Mason	7/8/2014	Thunderstorm Wind	0	0	\$2,000
Cabell	8/2/2014	Thunderstorm Wind	0	0	\$2,000
Cabell	8/2/2014	Thunderstorm Wind	0	0	\$2,000
Cabell	8/2/2014	Thunderstorm Wind	0	0	\$5,000
Mason	8/2/2014	Thunderstorm Wind	0	0	\$1,000
Cabell	8/2/2014	Thunderstorm Wind	0	0	\$25,000
Lincoln	10/7/2014	Thunderstorm Wind	0	0	\$0
Cabell	11/1/2014	Strong Wind	0	0	\$10,000
Lincoln	11/1/2014	Strong Wind	0	0	\$5,000
Logan	11/1/2014	Strong Wind	0	0	\$2,000
Mason	11/1/2014	Strong Wind	0	0	\$5,000
Mingo	11/1/2014	Strong Wind	0	0	\$2,000
Wayne	11/1/2014	Strong Wind	0	0	\$15,000
Mason	4/8/2015	Thunderstorm Wind	0	0	\$0
Mingo	6/1/2015	Thunderstorm Wind	0	0	\$2,000
Lincoln	6/8/2015	Thunderstorm Wind	0	0	\$2,000
Lincoln	6/8/2015	Thunderstorm Wind	0	0	\$10,000
Mingo	6/8/2015	Thunderstorm Wind	0	0	\$2,000
Cabell	6/26/2015	Thunderstorm Wind	0	0	\$50,000
Cabell	6/26/2015	Thunderstorm Wind	0	0	\$10,000
Cabell	7/7/2015	Thunderstorm Wind	0	0	\$5,000
Mingo	7/9/2015	Thunderstorm Wind	0	0	\$5,000
Mingo	7/9/2015	Thunderstorm Wind	0	0	\$25,000
Mingo	7/9/2015	Thunderstorm Wind	0	0	\$25,000
Logan	7/9/2015	Thunderstorm Wind	0	0	\$10,000
Logan	7/9/2015	Thunderstorm Wind	0	0	\$5,000
Logan	7/9/2015	Thunderstorm Wind	0	0	\$10,000
Mason	7/13/2015	Thunderstorm Wind	0	0	\$10,000
Mason	7/13/2015	Thunderstorm Wind	0	0	\$2,000
Lincoln	7/13/2015	Thunderstorm Wind	0	0	\$2,000
Logan	7/13/2015	Thunderstorm Wind	0	0	\$1,000
Logan	7/13/2015	Thunderstorm Wind	0	0	\$1,000
Lincoln	7/13/2015	Thunderstorm Wind	0	0	\$2,000
Mason	7/14/2015	Thunderstorm Wind	0	0	\$5,000
Mason	7/14/2015	Thunderstorm Wind	0	0	\$20,000
Logan	7/14/2015	Thunderstorm Wind	0	0	\$5,000
Logan	7/14/2015	Thunderstorm Wind	0	0	\$20,000
Mingo	7/14/2015	Thunderstorm Wind	0	0	\$25,000
Mingo	7/14/2015	Thunderstorm Wind	0	0	\$10,000
Mingo	7/14/2015	Thunderstorm Wind	0	0	\$10,000
Cabell	7/14/2015	Thunderstorm Wind	0	0	\$100,000



TABLE 5.1.K WIND EVENTS (NCEI)					
<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Lincoln	7/14/2015	Thunderstorm Wind	0	0	\$25,000
Wayne	7/14/2015	Thunderstorm Wind	0	0	\$50,000
Cabell	3/1/2016	Strong Wind	0	0	\$25,000
Lincoln	3/1/2016	Strong Wind	0	0	\$50,000
Mason	3/1/2016	Strong Wind	0	0	\$25,000
Wayne	3/1/2016	Strong Wind	0	0	\$25,000
Cabell	4/2/2016	Strong Wind	0	0	\$25,000
Lincoln	4/2/2016	Strong Wind	0	0	\$15,000
Logan	4/2/2016	Strong Wind	0	0	\$10,000
Mason	4/2/2016	Strong Wind	0	0	\$10,000
Mingo	4/2/2016	Strong Wind	0	0	\$10,000
Wayne	4/2/2016	Strong Wind	0	0	\$10,000
Wayne	5/1/2016	Thunderstorm Wind	0	0	\$1,000
Lincoln	6/15/2016	Thunderstorm Wind	0	0	\$5,000
Wayne	6/15/2016	Thunderstorm Wind	0	0	\$0
Wayne	6/15/2016	Thunderstorm Wind	0	0	\$0
Mingo	6/16/2016	Thunderstorm Wind	0	0	\$0
Logan	6/16/2016	Thunderstorm Wind	0	0	\$0
Mingo	6/21/2016	Thunderstorm Wind	0	0	\$2,000
Mason	6/23/2016	Thunderstorm Wind	0	0	\$10,000
Lincoln	6/23/2016	Thunderstorm Wind	0	0	\$0
Wayne	6/23/2016	Thunderstorm Wind	0	0	\$0
Wayne	6/23/2016	Thunderstorm Wind	0	0	\$0
Mingo	6/23/2016	Thunderstorm Wind	0	0	\$0
Mason	6/23/2016	Thunderstorm Wind	0	0	\$1,000
Mason	6/23/2016	Thunderstorm Wind	0	0	\$1,000
Mason	7/6/2016	Thunderstorm Wind	0	0	\$2,000
Mason	7/6/2016	Thunderstorm Wind	0	0	\$2,000
Wayne	7/6/2016	Thunderstorm Wind	0	0	\$2,000
Cabell	7/6/2016	Thunderstorm Wind	0	0	\$1,000
Mingo	7/8/2016	Thunderstorm Wind	0	0	\$1,000
Mingo	7/8/2016	Thunderstorm Wind	0	0	\$1,000
Lincoln	7/8/2016	Thunderstorm Wind	0	0	\$1,000
Cabell	7/8/2016	Thunderstorm Wind	0	0	\$1,000
Logan	7/8/2016	Thunderstorm Wind	0	0	\$1,000
Logan	7/8/2016	Thunderstorm Wind	0	0	\$1,000
Lincoln	7/8/2016	Thunderstorm Wind	0	0	\$0
Mason	7/15/2016	Thunderstorm Wind	0	0	\$0
Mason	7/25/2016	Thunderstorm Wind	0	0	\$0
Wayne	8/16/2016	Thunderstorm Wind	0	0	\$0
Lincoln	8/16/2016	Thunderstorm Wind	0	0	\$0
Cabell	11/30/2016	Strong Wind	0	0	\$10,000
		Total	2	11	\$14,158,000



<i>County</i>	<i>Date</i>	<i>Type</i>	<i>Deaths</i>	<i>Injuries</i>	<i>Damage to Property</i>
Cabell	9/12/1996	Lightning	0	0	\$2,000
Mason	8/10/2009	Lightning	0	0	\$90,000
Wayne	6/21/2011	Lightning	0	1	\$0
Cabell	7/24/2011	Lightning	0	1	\$0
Cabell	4/16/2013	Lightning	0	0	\$2,000
Logan	6/10/2014	Lightning	0	1	\$0
Cabell	6/24/2014	Lightning	0	0	\$8,000
Lincoln	8/27/2014	Lightning	0	0	\$20,000
Mason	7/5/2016	Lightning	0	0	\$8,000
Mingo	7/28/2016	Lightning	0	0	\$5,000
Total			0	3	\$135,000

<i>Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Cabell	Severe Storm/Thunder Storm	1960	8	\$751	0	0.02
Lincoln	Severe Storm/Thunder Storm	1960	8	\$751	0	0.02
Logan	Severe Storm/Thunder Storm	1960	8	\$751	0	0.02
Mason	Severe Storm/Thunder Storm	1960	8	\$751	0	0.02
Mingo	Severe Storm/Thunder Storm	1960	8	\$751	0	0.02
Wayne	Severe Storm/Thunder Storm	1960	8	\$751	0	0.02
Cabell	Severe Storm/Thunder Storm	1961	3	\$20,433	0	0
Cabell	Severe Storm/Thunder Storm	1962	2	\$80,918	0	0.02
Lincoln	Severe Storm/Thunder Storm	1962	2	\$80,918	0	0.02
Logan	Severe Storm/Thunder Storm	1962	2	\$80,918	0	0.02
Mingo	Severe Storm/Thunder Storm	1962	2	\$80,918	0	0.02
Wayne	Severe Storm/Thunder Storm	1962	2	\$80,918	0	0.02
Lincoln	Severe Storm/Thunder Storm	1962	4	\$202,296	0	0
Cabell	Severe Storm/Thunder Storm	1962	7	\$87,661	0	0
Lincoln	Severe Storm/Thunder Storm	1962	7	\$4,496	0	0
Logan	Severe Storm/Thunder Storm	1962	7	\$4,496	0	0
Mingo	Severe Storm/Thunder Storm	1962	7	\$4,496	0	0
Wayne	Severe Storm/Thunder Storm	1962	7	\$11,239	0	0
Cabell	Severe Storm/Thunder Storm	1964	6	\$717	0	0
Lincoln	Severe Storm/Thunder Storm	1964	6	\$717	0	0
Logan	Severe Storm/Thunder Storm	1964	6	\$717	0	0
Mason	Severe Storm/Thunder Storm	1964	6	\$717	0	0
Mingo	Severe Storm/Thunder Storm	1964	6	\$717	0	0
Wayne	Severe Storm/Thunder Storm	1964	6	\$717	0	0
Cabell	Severe Storm/Thunder Storm	1964	8	\$19,708	0.15	0
Lincoln	Severe Storm/Thunder Storm	1964	8	\$19,708	0.15	0



TABLE 5.1.M SEVERE STORM EVENTS (SHELDUS)

<i>Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Logan	Severe Storm/Thunder Storm	1964	8	\$19,708	0.15	0
Mingo	Severe Storm/Thunder Storm	1964	8	\$19,708	0.15	0
Wayne	Severe Storm/Thunder Storm	1964	8	\$19,708	0.15	0
Cabell	Severe Storm/Thunder Storm	1965	4	\$1,322	0.01	0
Lincoln	Severe Storm/Thunder Storm	1965	4	\$1,322	0.01	0
Logan	Severe Storm/Thunder Storm	1965	4	\$1,322	0.01	0
Mason	Severe Storm/Thunder Storm	1965	4	\$353	0.01	0
Mingo	Severe Storm/Thunder Storm	1965	4	\$1,322	0.01	0
Wayne	Severe Storm/Thunder Storm	1965	4	\$1,322	0.01	0
Cabell	Severe Storm/Thunder Storm	1965	5	\$1,487	0	0
Cabell	Severe Storm/Thunder Storm	1965	6	\$194	0	0
Cabell	Severe Storm/Thunder Storm	1965	10	\$4	0	0
Lincoln	Severe Storm/Thunder Storm	1965	10	\$4	0	0
Logan	Severe Storm/Thunder Storm	1965	10	\$4	0	0
Mason	Severe Storm/Thunder Storm	1965	10	\$4	0	0
Mingo	Severe Storm/Thunder Storm	1965	10	\$4	0	0
Wayne	Severe Storm/Thunder Storm	1965	10	\$4	0	0
Cabell	Severe Storm/Thunder Storm	1967	3	\$332,571	0	0.025
Lincoln	Severe Storm/Thunder Storm	1967	3	\$332,571	0	0.025
Logan	Severe Storm/Thunder Storm	1967	3	\$332,571	0	0.025
Mason	Severe Storm/Thunder Storm	1967	3	\$332,571	0	0.025
Mingo	Severe Storm/Thunder Storm	1967	3	\$332,571	0	0.025
Wayne	Severe Storm/Thunder Storm	1967	3	\$332,571	0	0.025
Cabell	Severe Storm/Thunder Storm	1968	7	\$3,511	0	0
Mason	Severe Storm/Thunder Storm	1968	7	\$17,556	0	0
Cabell	Severe Storm/Thunder Storm	1968	8	\$3,511	0	0
Cabell	Severe Storm/Thunder Storm	1970	2	\$16,574	0	0
Lincoln	Severe Storm/Thunder Storm	1970	2	\$16,574	0	0
Logan	Severe Storm/Thunder Storm	1970	2	\$16,574	0	0
Mingo	Severe Storm/Thunder Storm	1970	2	\$16,574	0	0
Wayne	Severe Storm/Thunder Storm	1970	2	\$16,574	0	0
Lincoln	Severe Storm/Thunder Storm	1971	7	\$150,848	0	0
Cabell	Severe Storm/Thunder Storm	1973	8	\$13,760	0	0
Cabell	Severe Storm/Thunder Storm	1974	4	\$12,392	0.5	0
Mingo	Severe Storm/Thunder Storm	1974	7	\$61,961	0	0
Cabell	Severe Storm/Thunder Storm	1978	7	\$94	0	0
Lincoln	Severe Storm/Thunder Storm	1978	7	\$94	0	0
Logan	Severe Storm/Thunder Storm	1978	7	\$94	0	0
Mason	Severe Storm/Thunder Storm	1978	7	\$94	0	0
Mingo	Severe Storm/Thunder Storm	1978	7	\$94	0	0
Wayne	Severe Storm/Thunder Storm	1978	7	\$94	0	0
Cabell	Severe Storm/Thunder Storm	1979	8	\$306	0.01	0
Lincoln	Severe Storm/Thunder Storm	1979	8	\$306	0.01	0
Logan	Severe Storm/Thunder Storm	1979	8	\$306	0.01	0
Mason	Severe Storm/Thunder Storm	1979	8	\$306	0.01	0



TABLE 5.1.M SEVERE STORM EVENTS (SHELDUS)

<i>Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Mingo	Severe Storm/Thunder Storm	1979	8	\$306	0.01	0
Wayne	Severe Storm/Thunder Storm	1979	8	\$306	0.01	0
Mingo	Severe Storm/Thunder Storm	1980	4	\$741	0	0
Cabell	Severe Storm/Thunder Storm	1980	7	\$175	0	0
Lincoln	Severe Storm/Thunder Storm	1980	7	\$175	0	0
Logan	Severe Storm/Thunder Storm	1980	7	\$175	0	0
Mason	Severe Storm/Thunder Storm	1980	7	\$175	0	0
Mingo	Severe Storm/Thunder Storm	1980	7	\$175	0	0
Wayne	Severe Storm/Thunder Storm	1980	7	\$175	0	0
Cabell	Severe Storm/Thunder Storm	1980	8	\$27	0	0
Lincoln	Severe Storm/Thunder Storm	1980	8	\$27	0	0
Logan	Severe Storm/Thunder Storm	1980	8	\$27	0	0
Mason	Severe Storm/Thunder Storm	1980	8	\$27	0	0
Mingo	Severe Storm/Thunder Storm	1980	8	\$27	0	0
Wayne	Severe Storm/Thunder Storm	1980	8	\$27	0	0
Cabell	Severe Storm/Thunder Storm	1980	9	\$13	0	0
Lincoln	Severe Storm/Thunder Storm	1980	9	\$13	0	0
Logan	Severe Storm/Thunder Storm	1980	9	\$13	0	0
Mason	Severe Storm/Thunder Storm	1980	9	\$13	0	0
Mingo	Severe Storm/Thunder Storm	1980	9	\$13	0	0
Wayne	Severe Storm/Thunder Storm	1980	9	\$13	0	0
Cabell	Severe Storm/Thunder Storm	1981	4	\$67,209	0.5	0
Cabell	Severe Storm/Thunder Storm	1981	5	\$1,344	0	0
Lincoln	Severe Storm/Thunder Storm	1981	5	\$1,344	0	0
Logan	Severe Storm/Thunder Storm	1981	5	\$1,344	0	0
Mason	Severe Storm/Thunder Storm	1981	5	\$1,344	0	0
Mingo	Severe Storm/Thunder Storm	1981	5	\$1,344	0	0
Wayne	Severe Storm/Thunder Storm	1981	5	\$1,344	0	0
Cabell	Severe Storm/Thunder Storm	1982	3	\$230	0	0
Lincoln	Severe Storm/Thunder Storm	1982	3	\$230	0	0
Logan	Severe Storm/Thunder Storm	1982	3	\$230	0	0
Mason	Severe Storm/Thunder Storm	1982	3	\$230	0	0
Mingo	Severe Storm/Thunder Storm	1982	3	\$230	0	0
Wayne	Severe Storm/Thunder Storm	1982	3	\$230	0	0
Cabell	Severe Storm/Thunder Storm	1983	8	\$204	0	0
Mason	Severe Storm/Thunder Storm	1983	8	\$409	0	0
Wayne	Severe Storm/Thunder Storm	1983	8	\$204	0	0
Cabell	Severe Storm/Thunder Storm	1989	8	\$49	0	0
Mason	Severe Storm/Thunder Storm	1990	6	\$935	0	0
Mason	Severe Storm/Thunder Storm	1990	7	\$467	0	0
Cabell	Severe Storm/Thunder Storm	1991	4	\$44,856	0	0.5
Lincoln	Severe Storm/Thunder Storm	1991	4	\$44,856	0	0
Logan	Severe Storm/Thunder Storm	1991	4	\$44,856	0	0
Mason	Severe Storm/Thunder Storm	1991	4	\$44,856	0	0
Mingo	Severe Storm/Thunder Storm	1991	4	\$4,486	0	0



TABLE 5.1.M SEVERE STORM EVENTS (SHELDUS)

<i>Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Wayne	Severe Storm/Thunder Storm	1991	4	\$44,856	0	0
Cabell	Severe Storm/Thunder Storm	1991	7	\$897	0	0
Cabell	Severe Storm/Thunder Storm	1991	8	\$1,794	0	0
Cabell	Severe Storm/Thunder Storm	1992	6	\$871	0	0
Mason	Severe Storm/Thunder Storm	1992	6	\$871	0	0
Mason	Severe Storm/Thunder Storm	1992	7	\$871	0	0
Wayne	Severe Storm/Thunder Storm	1992	7	\$10,451	0	0
Cabell	Severe Storm/Thunder Storm	1993	2	\$4,228	0	0
Lincoln	Severe Storm/Thunder Storm	1993	2	\$4,228	0	0
Mason	Severe Storm/Thunder Storm	1993	2	\$423	0	0
Wayne	Severe Storm/Thunder Storm	1993	2	\$42,702	0	0
Cabell	Severe Storm/Thunder Storm	1993	4	\$423	0	0
Mason	Severe Storm/Thunder Storm	1993	4	\$423	0	0
Wayne	Severe Storm/Thunder Storm	1993	4	\$423	0	0
Logan	Severe Storm/Thunder Storm	1993	5	\$846	0	0
Cabell	Severe Storm/Thunder Storm	1993	6	\$1,099	0	0
Logan	Severe Storm/Thunder Storm	1993	6	\$85	0	0
Mingo	Severe Storm/Thunder Storm	1993	6	\$85	4	0
Wayne	Severe Storm/Thunder Storm	1993	6	\$254	0	0
Cabell	Severe Storm/Thunder Storm	1993	7	\$338	0	0
Mason	Severe Storm/Thunder Storm	1993	7	\$930	0	0
Wayne	Severe Storm/Thunder Storm	1993	7	\$85	0	0
Wayne	Severe Storm/Thunder Storm	1993	9	\$846	0	0
Cabell	Severe Storm/Thunder Storm	1993	11	\$8,456	0	0
Wayne	Severe Storm/Thunder Storm	1993	11	\$4,228	0	0
Cabell	Severe Storm/Thunder Storm	1994	6	\$824	0	0
Lincoln	Severe Storm/Thunder Storm	1994	6	\$824	0	0
Logan	Severe Storm/Thunder Storm	1994	6	\$275	0	0
Mason	Severe Storm/Thunder Storm	1994	6	\$275	0	0
Cabell	Severe Storm/Thunder Storm	1995	5	\$32,070	0	0
Lincoln	Severe Storm/Thunder Storm	1995	5	\$12,026	0	0
Mason	Severe Storm/Thunder Storm	1995	5	\$12,026	0	0
Mingo	Severe Storm/Thunder Storm	1995	5	\$16,035	0	0
Wayne	Severe Storm/Thunder Storm	1995	5	\$28,061	0.5	0
Cabell	Severe Storm/Thunder Storm	1995	6	\$44,096	0	0
Lincoln	Severe Storm/Thunder Storm	1995	6	\$4,009	0	0
Logan	Severe Storm/Thunder Storm	1995	6	\$8,017	0	0
Mason	Severe Storm/Thunder Storm	1995	6	\$8,017	0	0
Wayne	Severe Storm/Thunder Storm	1995	6	\$48,105	0	0
Cabell	Severe Storm/Thunder Storm	1996	4	\$38,938	0	0
Mason	Severe Storm/Thunder Storm	1996	4	\$15,575	0	0
Mingo	Severe Storm/Thunder Storm	1996	4	\$15,575	0	0
Cabell	Severe Storm/Thunder Storm	1996	5	\$3,894	0	0
Lincoln	Severe Storm/Thunder Storm	1996	5	\$11,681	0	0
Mason	Severe Storm/Thunder Storm	1996	5	\$7,788	0	1



TABLE 5.1.M SEVERE STORM EVENTS (SHELDUS)

<i>Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Wayne	Severe Storm/Thunder Storm	1996	5	\$39,716	0	0
Cabell	Severe Storm/Thunder Storm	1996	6	\$10,124	0	0
Lincoln	Severe Storm/Thunder Storm	1996	6	\$2,336	0	0
Logan	Severe Storm/Thunder Storm	1996	6	\$23,363	0	0
Mason	Severe Storm/Thunder Storm	1996	6	\$779	0	0
Wayne	Severe Storm/Thunder Storm	1996	6	\$1,558	0	0
Cabell	Severe Storm/Thunder Storm	1996	7	\$2,336	0	0
Lincoln	Severe Storm/Thunder Storm	1996	7	\$155,751	0	0
Mason	Severe Storm/Thunder Storm	1996	8	\$1,558	0	0
Logan	Severe Storm/Thunder Storm	1997	1	\$761	0	0
Mingo	Severe Storm/Thunder Storm	1997	1	\$761	0	0
Cabell	Severe Storm/Thunder Storm	1997	7	\$13,703	0	1
Lincoln	Severe Storm/Thunder Storm	1997	7	\$5,329	0	0
Logan	Severe Storm/Thunder Storm	1997	7	\$1,523	0	0
Mason	Severe Storm/Thunder Storm	1997	7	\$20,555	0	0
Mingo	Severe Storm/Thunder Storm	1997	7	\$761	0	0
Wayne	Severe Storm/Thunder Storm	1997	7	\$3,806	0	0
Cabell	Severe Storm/Thunder Storm	1997	8	\$14,464	0	0
Lincoln	Severe Storm/Thunder Storm	1997	8	\$1,523	0	0
Mason	Severe Storm/Thunder Storm	1997	8	\$14,464	0	0
Wayne	Severe Storm/Thunder Storm	1997	8	\$5,329	0	0
Wayne	Severe Storm/Thunder Storm	1998	2	\$2,249	0	0
Wayne	Severe Storm/Thunder Storm	1998	4	\$3,748	0	0
Cabell	Severe Storm/Thunder Storm	1998	5	\$37,481	0	0
Mingo	Severe Storm/Thunder Storm	1998	5	\$1,499	0	0
Cabell	Severe Storm/Thunder Storm	1998	6	\$3,748	0	0
Mason	Severe Storm/Thunder Storm	1998	6	\$8,995	0	0
Mingo	Severe Storm/Thunder Storm	1998	6	\$1,499	0	0
Mason	Severe Storm/Thunder Storm	1998	9	\$750	0	0
Mingo	Severe Storm/Thunder Storm	1999	1	\$1,467	0	0
Wayne	Severe Storm/Thunder Storm	1999	1	\$2,934	0	0
Cabell	Severe Storm/Thunder Storm	1999	4	\$1,467	0	0
Mingo	Severe Storm/Thunder Storm	1999	4	\$8,801	0.5	0
Mason	Severe Storm/Thunder Storm	1999	7	\$7,334	0	0
Mingo	Severe Storm/Thunder Storm	1999	7	\$1,467	0	0
Wayne	Severe Storm/Thunder Storm	1999	7	\$2,934	0	0
Cabell	Severe Storm/Thunder Storm	1999	8	\$1,467	0	0
Lincoln	Severe Storm/Thunder Storm	1999	8	\$13,201	0	0
Mingo	Severe Storm/Thunder Storm	1999	8	\$3,667	0	0
Cabell	Severe Storm/Thunder Storm	1999	10	\$3,667	0	0
Lincoln	Severe Storm/Thunder Storm	1999	10	\$11,001	0	0
Wayne	Severe Storm/Thunder Storm	1999	10	\$14,668	0	0
Logan	Severe Storm/Thunder Storm	2000	5	\$710	0	0
Lincoln	Severe Storm/Thunder Storm	2000	6	\$2,129	0	0
Logan	Severe Storm/Thunder Storm	2000	6	\$3,548	0	0



TABLE 5.1.M SEVERE STORM EVENTS (SHELDUS)

<i>Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Mason	Severe Storm/Thunder Storm	2000	6	\$710	0	0
Wayne	Severe Storm/Thunder Storm	2000	6	\$710	0	0
Cabell	Severe Storm/Thunder Storm	2000	7	\$152,556	0	0
Lincoln	Severe Storm/Thunder Storm	2000	7	\$5,676	0	0
Logan	Severe Storm/Thunder Storm	2000	7	\$2,129	0	0
Mingo	Severe Storm/Thunder Storm	2000	7	\$2,838	0	0
Wayne	Severe Storm/Thunder Storm	2000	7	\$2,129	0	0
Cabell	Severe Storm/Thunder Storm	2000	8	\$7,096	0	0
Lincoln	Severe Storm/Thunder Storm	2000	8	\$7,096	0	0
Logan	Severe Storm/Thunder Storm	2000	8	\$1,419	0	0
Mason	Severe Storm/Thunder Storm	2000	8	\$15,610	0	0
Mingo	Severe Storm/Thunder Storm	2000	8	\$3,548	0	0
Wayne	Severe Storm/Thunder Storm	2000	8	\$23,416	0	0
Cabell	Severe Storm/Thunder Storm	2001	5	\$3,450	0	0
Lincoln	Severe Storm/Thunder Storm	2001	5	\$5,519	0	0
Logan	Severe Storm/Thunder Storm	2001	5	\$3,450	0	0
Mason	Severe Storm/Thunder Storm	2001	5	\$10,349	0	0
Cabell	Severe Storm/Thunder Storm	2001	6	\$2,070	0	0
Mason	Severe Storm/Thunder Storm	2001	6	\$1,380	0	0
Lincoln	Severe Storm/Thunder Storm	2001	7	\$2,070	0	0
Logan	Severe Storm/Thunder Storm	2001	10	\$2,070	0	0
Logan	Severe Storm/Thunder Storm	2002	5	\$2,038	0	0
Mason	Severe Storm/Thunder Storm	2002	5	\$1,358	0	0
Mingo	Severe Storm/Thunder Storm	2002	5	\$6,792	0	0
Mingo	Severe Storm/Thunder Storm	2002	6	\$679	0	0
Lincoln	Severe Storm/Thunder Storm	2002	11	\$2,038	0	0
Mason	Severe Storm/Thunder Storm	2002	11	\$1,358	0	0
Wayne	Severe Storm/Thunder Storm	2002	11	\$3,396	0	0
Cabell	Severe Storm/Thunder Storm	2003	5	\$9,961	0	0
Mingo	Severe Storm/Thunder Storm	2003	5	\$664	0	0
Wayne	Severe Storm/Thunder Storm	2003	5	\$1,328	0	0
Mason	Severe Storm/Thunder Storm	2004	3	\$6,468	0	0
Cabell	Severe Storm/Thunder Storm	2004	6	\$48,512	0.5	0
Cabell	Severe Storm/Thunder Storm	2005	7	\$626	0	0.5
Logan	Severe Storm/Thunder Storm	2005	7	\$12,513	0	0
Mason	Severe Storm/Thunder Storm	2005	7	\$1,251	0	0
Logan	Severe Storm/Thunder Storm	2006	4	\$30,304	0.5	0
Mingo	Severe Storm/Thunder Storm	2006	4	\$545,476	1	0
Cabell	Severe Storm/Thunder Storm	2006	6	\$3,030	0	0
Mason	Severe Storm/Thunder Storm	2006	7	\$3,030	0	0
Wayne	Severe Storm/Thunder Storm	2006	7	\$3,030	0	0
Cabell	Severe Storm/Thunder Storm	2007	6	\$589	0	0
Cabell	Severe Storm/Thunder Storm	2007	7	\$25,929	0	0
Cabell	Severe Storm/Thunder Storm	2008	1	\$568	0	0
Mason	Severe Storm/Thunder Storm	2008	1	\$1,135	0	0



TABLE 5.1.M SEVERE STORM EVENTS (SHELDUS)

<i>Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Cabell	Severe Storm/Thunder Storm	2008	2	\$2,838	0	0
Logan	Severe Storm/Thunder Storm	2008	4	\$113,502	0.5	0
Mingo	Severe Storm/Thunder Storm	2008	4	\$1,135	0	0
Lincoln	Severe Storm/Thunder Storm	2008	6	\$1,135	0	0
Mason	Severe Storm/Thunder Storm	2008	6	\$1,135	0	0
Cabell	Severe Storm/Thunder Storm	2009	2	\$5,695	0	0
Lincoln	Severe Storm/Thunder Storm	2009	2	\$11,391	0	0
Logan	Severe Storm/Thunder Storm	2009	2	\$5,695	0	0
Mason	Severe Storm/Thunder Storm	2009	2	\$2,848	0	0
Mingo	Severe Storm/Thunder Storm	2009	2	\$14,238	0	0
Lincoln	Severe Storm/Thunder Storm	2009	4	\$1,139	0	0
Logan	Severe Storm/Thunder Storm	2009	4	\$8,543	0	0
Mingo	Severe Storm/Thunder Storm	2009	4	\$1,139	0	0
Lincoln	Severe Storm/Thunder Storm	2009	5	\$3,417	0	0
Wayne	Severe Storm/Thunder Storm	2009	5	\$3,417	0	0
Cabell	Severe Storm/Thunder Storm	2009	6	\$5,695	0	0
Mingo	Severe Storm/Thunder Storm	2009	6	\$570	0	0
Cabell	Severe Storm/Thunder Storm	2009	7	\$1,139	0	0
Logan	Severe Storm/Thunder Storm	2009	7	\$1,139	0	0
Wayne	Severe Storm/Thunder Storm	2009	7	\$17,086	0	0
Cabell	Severe Storm/Thunder Storm	2010	6	\$15,129	0	0
Lincoln	Severe Storm/Thunder Storm	2010	6	\$2,802	0	0
Mingo	Severe Storm/Thunder Storm	2010	6	\$560	0	0
Wayne	Severe Storm/Thunder Storm	2010	6	\$5,603	0	0
Cabell	Severe Storm/Thunder Storm	2010	8	\$7,284	0	0
Lincoln	Severe Storm/Thunder Storm	2010	8	\$5,603	0	0
Wayne	Severe Storm/Thunder Storm	2010	8	\$4,483	0	0
Cabell	Severe Storm/Thunder Storm	2010	10	\$11,207	0	0
Lincoln	Severe Storm/Thunder Storm	2010	10	\$2,802	0	0
Mason	Severe Storm/Thunder Storm	2010	10	\$8,966	0	0
Mingo	Severe Storm/Thunder Storm	2010	10	\$1,121	0	0
Cabell	Severe Storm/Thunder Storm	2011	2	\$1,086	0	0
Lincoln	Severe Storm/Thunder Storm	2011	2	\$1,086	0	0
Lincoln	Severe Storm/Thunder Storm	2011	3	\$543	0	0
Cabell	Severe Storm/Thunder Storm	2011	4	\$16,839	0	0
Lincoln	Severe Storm/Thunder Storm	2011	4	\$13,580	0	0
Logan	Severe Storm/Thunder Storm	2011	4	\$3,802	0	0
Mingo	Severe Storm/Thunder Storm	2011	4	\$543	0	0
Wayne	Severe Storm/Thunder Storm	2011	4	\$1,630	0	0
Cabell	Severe Storm/Thunder Storm	2011	5	\$10,864	0	0
Wayne	Severe Storm/Thunder Storm	2011	5	\$54,320	0	0
Cabell	Severe Storm/Thunder Storm	2011	6	\$8,691	0	0
Lincoln	Severe Storm/Thunder Storm	2011	6	\$1,086	0	0
Mason	Severe Storm/Thunder Storm	2011	6	\$1,086	0	0
Wayne	Severe Storm/Thunder Storm	2011	6	\$7,605	0	0



TABLE 5.1.M SEVERE STORM EVENTS (SHELDUS)

<i>Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Cabell	Severe Storm/Thunder Storm	2011	7	\$40,740	0	0
Logan	Severe Storm/Thunder Storm	2011	7	\$543	0	0
Cabell	Severe Storm/Thunder Storm	2011	8	\$27,160	0	0
Lincoln	Severe Storm/Thunder Storm	2011	9	\$5,432	0	0
Mingo	Severe Storm/Thunder Storm	2012	2	\$2,129	0	0
Cabell	Severe Storm/Thunder Storm	2012	6	\$1,649,775	0	0
Lincoln	Severe Storm/Thunder Storm	2012	6	\$399,139	0	0
Logan	Severe Storm/Thunder Storm	2012	6	\$404,461	0	0
Mason	Severe Storm/Thunder Storm	2012	6	\$843,514	0	0
Mingo	Severe Storm/Thunder Storm	2012	6	\$399,139	0	0
Wayne	Severe Storm/Thunder Storm	2012	6	\$533,250	0	0
Cabell	Severe Storm/Thunder Storm	2012	7	\$9,579	0	0
Lincoln	Severe Storm/Thunder Storm	2012	7	\$31,931	0	0
Logan	Severe Storm/Thunder Storm	2012	7	\$35,124	0	0
Mingo	Severe Storm/Thunder Storm	2012	7	\$11,176	0	0
Wayne	Severe Storm/Thunder Storm	2012	7	\$9,047	0	0
Cabell	Severe Storm/Thunder Storm	2013	1	\$3,672	0	0
Mason	Severe Storm/Thunder Storm	2013	1	\$0	0	1
Cabell	Severe Storm/Thunder Storm	2013	5	\$26,225	0	0
Lincoln	Severe Storm/Thunder Storm	2013	5	\$13,113	0	0
Mingo	Severe Storm/Thunder Storm	2013	5	\$1,574	0	0
Mason	Severe Storm/Thunder Storm	2013	6	\$419,602	0	0
Cabell	Severe Storm/Thunder Storm	2013	7	\$20,980	0	0
Logan	Severe Storm/Thunder Storm	2013	7	\$2,623	0	0
Wayne	Severe Storm/Thunder Storm	2013	7	\$5,245	0	0
Cabell	Severe Storm/Thunder Storm	2013	11	\$151,057	0	0
Mason	Severe Storm/Thunder Storm	2013	11	\$525	0	0
Wayne	Severe Storm/Thunder Storm	2013	11	\$78,675	0	0
Cabell	Severe Storm/Thunder Storm	2013	12	\$5,245	0	0
Lincoln	Severe Storm/Thunder Storm	2013	12	\$2,623	0	0
Mason	Severe Storm/Thunder Storm	2013	12	\$4,196	0	0
Wayne	Severe Storm/Thunder Storm	2013	12	\$2,623	0	0
Cabell	Severe Storm/Thunder Storm	2014	2	\$103,226	0	0
Lincoln	Severe Storm/Thunder Storm	2014	2	\$23,226	0	0
Mingo	Severe Storm/Thunder Storm	2014	2	\$23,226	0	0
Wayne	Severe Storm/Thunder Storm	2014	2	\$23,226	0	0
Lincoln	Severe Storm/Thunder Storm	2014	4	\$1,032	0	0
Wayne	Severe Storm/Thunder Storm	2014	4	\$2,581	0	0
Mingo	Severe Storm/Thunder Storm	2014	5	\$2,581	0	0
Cabell	Severe Storm/Thunder Storm	2014	6	\$108,387	0	0
Mason	Severe Storm/Thunder Storm	2014	6	\$1,032	0	0
Wayne	Severe Storm/Thunder Storm	2014	6	\$3,613	0	0
Mason	Severe Storm/Thunder Storm	2014	7	\$1,032	0	0
Cabell	Severe Storm/Thunder Storm	2014	8	\$17,548	0	0
Mason	Severe Storm/Thunder Storm	2014	8	\$516	0	0



TABLE 5.1.M SEVERE STORM EVENTS (SHELDUS)						
Name	Hazard	Year	Month	Property Damage (ADJ 2016)	Injuries	Fatalities
Cabell	Severe Storm/Thunder Storm	2015	6	\$30,931	0	0
Lincoln	Severe Storm/Thunder Storm	2015	6	\$6,186	0	0
Mingo	Severe Storm/Thunder Storm	2015	6	\$2,062	0	0
Cabell	Severe Storm/Thunder Storm	2015	7	\$54,129	0	0
Lincoln	Severe Storm/Thunder Storm	2015	7	\$14,950	0	1
Logan	Severe Storm/Thunder Storm	2015	7	\$26,807	0	0
Mason	Severe Storm/Thunder Storm	2015	7	\$19,074	0	0
Mingo	Severe Storm/Thunder Storm	2015	7	\$51,552	0	0
Wayne	Severe Storm/Thunder Storm	2015	7	\$25,776	0	0
Wayne	Severe Storm/Thunder Storm	2016	5	\$0	0	0
Lincoln	Severe Storm/Thunder Storm	2016	6	\$0	0	0
Mason	Severe Storm/Thunder Storm	2016	6	\$0	0	0
Mingo	Severe Storm/Thunder Storm	2016	6	\$0	0	0
Wayne	Severe Storm/Thunder Storm	2016	6	\$0	0	0
Cabell	Severe Storm/Thunder Storm	2016	7	\$0	0	0
Lincoln	Severe Storm/Thunder Storm	2016	7	\$0	0	0
Logan	Severe Storm/Thunder Storm	2016	7	\$0	0	0
Mason	Severe Storm/Thunder Storm	2016	7	\$0	0	0
Mingo	Severe Storm/Thunder Storm	2016	7	\$0	0	0
Wayne	Severe Storm/Thunder Storm	2016	7	\$0	0	0
Total				\$11,405,963	9	5

TABLE 5.1.N HAIL EVENTS (SHELDUS)						
County	Hazard	Year	Month	Property Damage (ADJ 2016)	Injuries	Fatalities
Cabell	Hail	1962	7	\$6,743	0	0
Lincoln	Hail	1962	7	\$0	0	0
Wayne	Hail	1962	7	\$6,743	0	0
Cabell	Hail	1964	4	\$24	0	0
Lincoln	Hail	1964	4	\$24	0	0
Logan	Hail	1964	4	\$24	0	0
Mason	Hail	1964	4	\$24	0	0
Mingo	Hail	1964	4	\$24	0	0
Wayne	Hail	1964	4	\$24	0	0
Cabell	Hail	1969	6	\$303	0	0
Lincoln	Hail	1969	6	\$303	0	0
Logan	Hail	1969	6	\$303	0	0
Mason	Hail	1969	6	\$303	0	0
Mingo	Hail	1969	6	\$303	0	0
Wayne	Hail	1969	6	\$303	0	0
Cabell	Hail	1975	5	\$223	4.90333	0
Lincoln	Hail	1975	5	\$223	4.90333	0
Logan	Hail	1975	5	\$223	4.90333	0



TABLE 5.1.N HAIL EVENTS (SHELDUS)						
<i>County</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Mason	Hail	1975	5	\$223	4.90333	0
Mingo	Hail	1975	5	\$223	4.90333	0
Wayne	Hail	1975	5	\$223	4.90333	0
Cabell	Hail	1979	6	\$31	0	0
Lincoln	Hail	1979	6	\$31	0	0
Logan	Hail	1979	6	\$31	0	0
Mason	Hail	1979	6	\$31	0	0
Mingo	Hail	1979	6	\$31	0	0
Wayne	Hail	1979	6	\$31	0	0
Logan	Hail	1980	4	\$74,142	1	0
Mingo	Hail	1980	4	\$741	0	0
Mingo	Hail	1982	5	\$63	0	0
Wayne	Hail	1982	5	\$63	0	0
Lincoln	Hail	1983	3	\$409	0	0
Cabell	Hail	1983	8	\$204	0	0
Mason	Hail	1983	8	\$409	0	0
Wayne	Hail	1983	8	\$204	0	0
Cabell	Hail	1986	7	\$68	0	0
Lincoln	Hail	1986	7	\$68	0	0
Logan	Hail	1986	7	\$68	0	0
Mason	Hail	1986	7	\$68	0	0
Mingo	Hail	1986	7	\$68	0	0
Wayne	Hail	1986	7	\$68	0	0
Cabell	Hail	1993	6	\$169	0	0
Logan	Hail	1993	6	\$85	0	0
Mingo	Hail	1993	6	\$85	0	0
Wayne	Hail	1993	11	\$846	0	0
Logan	Hail	1994	6	\$275	0	0
Mason	Hail	1994	6	\$275	0	0
Wayne	Hail	1994	6	\$0	0	0
Logan	Hail	1994	9	\$824	0	0
Mason	Hail	1994	9	\$82,447	0	0
Mingo	Hail	1995	6	\$8,017	0	0
Cabell	Hail	1998	5	\$749,611	0	0
Wayne	Hail	1998	5	\$14,992	0	0
Lincoln	Hail	1998	6	\$7,496	0	0
Wayne	Hail	1998	6	\$52,473	0	0
Mason	Hail	2001	5	\$275,972	0	0
Logan	Hail	2002	4	\$20,376	0	0
Mingo	Hail	2002	4	\$33,960	0	0
Mason	Hail	2004	8	\$6,468	0	0
Cabell	Hail	2005	5	\$1,251	0	0
Logan	Hail	2006	4	\$30,304	0	0
Mingo	Hail	2008	4	\$5,675	0	0
Mingo	Hail	2008	5	\$5,675	0	0



TABLE 5.1.N HAIL EVENTS (SHELDUS)						
County	Hazard	Year	Month	Property Damage (ADJ 2016)	Injuries	Fatalities
Logan	Hail	2008	6	\$22,700	0	0
Wayne	Hail	2008	6	\$5,675	0	0
Cabell	Hail	2009	5	\$39,868	0	0
Wayne	Hail	2009	5	\$13,669	0	0
Logan	Hail	2011	4	\$10,864	0	0
Wayne	Hail	2011	4	\$5,432	0	0
Cabell	Hail	2011	5	\$21,728	0	0
Cabell	Hail	2011	9	\$1,086	0	0
Lincoln	Hail	2012	3	\$5,322	0	0
Logan	Hail	2012	3	\$6,386	0	0
Mingo	Hail	2012	3	\$5,322	0	0
Wayne	Hail	2012	3	\$26,609	0	0
Logan	Hail	2012	4	\$12,772	0	0
Logan	Hail	2012	10	\$745,060	0	0
Mingo	Hail	2015	4	\$20,621	0	0
Cabell	Hail	2015	6	\$5,155	0	0
Wayne	Hail	2015	6	\$10,310	0	0
Lincoln	Hail	2016	5	\$0	0	0
Logan	Hail	2016	5	\$0	0	0
Mingo	Hail	2016	5	\$0	0	0
Total				\$2,349,464	\$30	\$0

TABLE 5.1.O LIGHTNING EVENTS (SHELDUS)						
Name	Hazard	Year	Month	Property Damage (ADJ 2016)	Injuries	Fatalities
Cabell	Lightning	1964	4	\$24	0	0
Lincoln	Lightning	1964	4	\$24	0	0
Logan	Lightning	1964	4	\$24	0	0
Mason	Lightning	1964	4	\$24	0	0
Mingo	Lightning	1964	4	\$24	0	0
Wayne	Lightning	1964	4	\$24	0	0
Cabell	Lightning	1965	7	\$4,267	0	0
Cabell	Lightning	1966	7	\$3,428	0	0
Lincoln	Lightning	1966	7	\$3,428	0	0
Logan	Lightning	1966	7	\$3,428	0	0
Mason	Lightning	1966	7	\$3,428	0	0
Mingo	Lightning	1966	7	\$3,428	0	0
Wayne	Lightning	1966	7	\$3,428	0	0
Cabell	Lightning	1966	8	\$686	0.02	0
Lincoln	Lightning	1966	8	\$686	0.02	0
Logan	Lightning	1966	8	\$686	0.02	0
Mason	Lightning	1966	8	\$686	0.02	0
Mingo	Lightning	1966	8	\$686	0.02	0



TABLE 5.1.O LIGHTNING EVENTS (SHELDUS)

<i>Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Wayne	Lightning	1966	8	\$686	0.02	0
Cabell	Lightning	1968	6	\$35,111	0	0
Mason	Lightning	1969	6	\$3,329	0	0
Cabell	Lightning	1970	7	\$0	0	1
Wayne	Lightning	1971	9	\$0	1	0
Cabell	Lightning	1972	4	\$2,923	0	0
Cabell	Lightning	1975	5	\$223	4.90333	0
Lincoln	Lightning	1975	5	\$223	4.90333	0
Logan	Lightning	1975	5	\$223	4.90333	0
Mason	Lightning	1975	5	\$223	4.90333	0
Mingo	Lightning	1975	5	\$223	4.90333	0
Wayne	Lightning	1975	5	\$223	4.90333	0
Lincoln	Lightning	1975	8	\$227,113	0	0
Cabell	Lightning	1976	6	\$1,952	0	0
Lincoln	Lightning	1976	6	\$1,952	0	0
Logan	Lightning	1976	6	\$1,952	0	0
Mason	Lightning	1976	6	\$1,952	0	0
Mingo	Lightning	1976	6	\$1,952	0	0
Wayne	Lightning	1976	6	\$1,952	0	0
Cabell	Lightning	1976	7	\$4,668	0.5	0
Lincoln	Lightning	1976	7	\$4,668	0	0
Logan	Lightning	1976	7	\$4,668	0	0
Mason	Lightning	1976	7	\$4,668	0	0
Mingo	Lightning	1976	7	\$4,668	0	0
Wayne	Lightning	1976	7	\$4,668	0	0
Wayne	Lightning	1977	8	\$0	0	1
Mason	Lightning	1980	7	\$0	0	1
Wayne	Lightning	1980	7	\$148,285	0	0
Cabell	Lightning	1986	7	\$68	0	0
Lincoln	Lightning	1986	7	\$68	0	0
Logan	Lightning	1986	7	\$68	0	0
Mason	Lightning	1986	7	\$68	0	0
Mingo	Lightning	1986	7	\$68	0	0
Wayne	Lightning	1986	7	\$68	0	0
Cabell	Lightning	1986	8	\$1,115	3	0
Lincoln	Lightning	1987	6	\$10,756	0	0
Mason	Lightning	1991	6	\$1,794	0	0
Cabell	Lightning	1993	5	\$846	0	0
Mason	Lightning	1995	8	\$0	1	1
Cabell	Lightning	1996	9	\$3,115	0	0
Mason	Lightning	2009	8	\$102,517	0	0
Wayne	Lightning	2011	6	\$0	1	0
Cabell	Lightning	2011	7	\$0	1	0
Cabell	Lightning	2013	4	\$2,098	0	0
Cabell	Lightning	2014	6	\$8,258	0	0



TABLE 5.1.O LIGHTNING EVENTS (SHELDUS)						
Name	Hazard	Year	Month	Property Damage (ADJ 2016)	Injuries	Fatalities
Logan	Lightning	2014	6	\$0	1	0
Lincoln	Lightning	2014	8	\$20,645	0	0
Mason	Lightning	2016	7	\$0	0	0
Mingo	Lightning	2016	7	\$0	0	0
Total				\$638,462	38	4

TABLE 5.1.P TORNADO EVENTS (SHELDUS)						
County Name	Hazard	Year	Month	Property Damage (ADJ 2016)	Injuries	Fatalities
Wayne	Tornado	1965	4	\$387,894	3	0
Mason	Tornado	1970	4	\$3,149	0	0
Lincoln	Tornado	1972	9	\$974	0	0
Logan	Tornado	1972	9	\$974	0	0
Cabell	Tornado	1976	7	\$10,737	0	0
Lincoln	Tornado	1979	8	\$1,683	0	0
Lincoln	Tornado	1980	7	\$14,828	0	0
Cabell	Tornado	1993	6	\$846	0	0
Mason	Tornado	1998	6	\$112,442	1	0
Cabell	Tornado	2000	8	\$390,259	0	0
Lincoln	Tornado	2000	8	\$283,825	0	0
Mason	Tornado	2007	6	\$9,429	0	0
Lincoln	Tornado	2012	3	\$372,530	0	0
Mingo	Tornado	2012	3	\$95,793	0	0
Wayne	Tornado	2012	3	\$2,022,305	0	0
Cabell	Tornado	2014	6	\$30,968	0	0
Lincoln	Tornado	2016	7	\$0	0	0
Wayne	Tornado	2016	7	\$0	0	0
Total				\$3,738,637	4	0

TABLE 5.1.Q WIND EVENTS (SHELDUS)						
County Name	Hazard	Year	Month	Property Damage (ADJ 2016)	Injuries	Fatalities
Cabell	Wind	1960	2	\$751	0	0
Lincoln	Wind	1960	2	\$751	0	0
Logan	Wind	1960	2	\$751	0	0
Mason	Wind	1960	2	\$751	0	0
Mingo	Wind	1960	2	\$751	0	0
Wayne	Wind	1960	2	\$751	0	0
Cabell	Wind	1961	3	\$20,433	0	0
Cabell	Wind	1962	7	\$6,743	0	0
Lincoln	Wind	1962	7	\$0	0	0



TABLE 5.1.Q WIND EVENTS (SHELDUS)						
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Wayne	Wind	1962	7	\$6,743	0	0
Cabell	Wind	1964	4	\$24	0	0
Lincoln	Wind	1964	4	\$24	0	0
Logan	Wind	1964	4	\$24	0	0
Mason	Wind	1964	4	\$24	0	0
Mingo	Wind	1964	4	\$24	0	0
Wayne	Wind	1964	4	\$24	0	0
Cabell	Wind	1965	4	\$1,322	0.01	0
Lincoln	Wind	1965	4	\$1,322	0.01	0
Logan	Wind	1965	4	\$1,322	0.01	0
Mason	Wind	1965	4	\$353	0.01	0
Mingo	Wind	1965	4	\$1,322	0.01	0
Wayne	Wind	1965	4	\$1,322	0.01	0
Cabell	Wind	1965	5	\$1,487	0	0
Cabell	Wind	1965	6	\$194	0	0
Cabell	Wind	1965	10	\$4	0	0
Lincoln	Wind	1965	10	\$4	0	0
Logan	Wind	1965	10	\$4	0	0
Mason	Wind	1965	10	\$4	0	0
Mingo	Wind	1965	10	\$4	0	0
Wayne	Wind	1965	10	\$4	0	0
Cabell	Wind	1965	11	\$71	0	0
Lincoln	Wind	1965	11	\$71	0	0
Logan	Wind	1965	11	\$71	0	0
Mason	Wind	1965	11	\$71	0	0
Mingo	Wind	1965	11	\$71	0	0
Wayne	Wind	1965	11	\$71	0	0
Cabell	Wind	1966	7	\$7,200	0	0
Lincoln	Wind	1966	7	\$3,428	0	0
Logan	Wind	1966	7	\$3,428	0	0
Mason	Wind	1966	7	\$3,428	0	0
Mingo	Wind	1966	7	\$3,428	0	0
Wayne	Wind	1966	7	\$3,428	0	0
Cabell	Wind	1967	2	\$6,651	0	0
Lincoln	Wind	1967	2	\$6,651	0	0
Logan	Wind	1967	2	\$6,651	0	0
Mason	Wind	1967	2	\$6,651	0	0
Mingo	Wind	1967	2	\$6,651	0	0
Wayne	Wind	1967	2	\$6,651	0	0
Cabell	Wind	1968	4	\$3,511	0	0
Mason	Wind	1968	7	\$17,556	0	0
Cabell	Wind	1968	12	\$351	0	0
Cabell	Wind	1969	6	\$303	0	0
Lincoln	Wind	1969	6	\$303	0	0
Logan	Wind	1969	6	\$303	0	0



TABLE 5.1.Q WIND EVENTS (SHELDUS)						
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Mason	Wind	1969	6	\$303	0	0
Mingo	Wind	1969	6	\$303	0	0
Wayne	Wind	1969	6	\$303	0	0
Cabell	Wind	1971	1	\$5,485	0	0
Lincoln	Wind	1971	1	\$5,485	0	0
Logan	Wind	1971	1	\$5,485	0	0
Mason	Wind	1971	1	\$5,485	0	0
Mingo	Wind	1971	1	\$5,485	0	0
Wayne	Wind	1971	1	\$5,485	0	0
Logan	Wind	1971	4	\$302	0	0
Mason	Wind	1971	6	\$3,017	0	0
Cabell	Wind	1971	12	\$302	1	0
Logan	Wind	1974	3	\$24,784	0	0
Cabell	Wind	1974	4	\$12,392	0.5	0
Cabell	Wind	1974	12	\$0	0	0.01
Lincoln	Wind	1974	12	\$0	0	0.01
Logan	Wind	1974	12	\$0	0	0.01
Mason	Wind	1974	12	\$0	0	0.01
Mingo	Wind	1974	12	\$0	0	0.01
Wayne	Wind	1974	12	\$0	0	0.01
Cabell	Wind	1975	1	\$413	0	0.02
Lincoln	Wind	1975	1	\$413	0	0.02
Logan	Wind	1975	1	\$413	0	0.02
Mason	Wind	1975	1	\$413	0	0.02
Mingo	Wind	1975	1	\$413	0	0.02
Wayne	Wind	1975	1	\$413	0	0.02
Cabell	Wind	1975	5	\$223	4.90333	0
Lincoln	Wind	1975	5	\$223	4.90333	0
Logan	Wind	1975	5	\$223	4.90333	0
Mason	Wind	1975	5	\$223	4.90333	0
Mingo	Wind	1975	5	\$223	4.90333	0
Wayne	Wind	1975	5	\$223	4.90333	0
Cabell	Wind	1975	8	\$22,711	0	0
Cabell	Wind	1976	1	\$3,904	0	0
Lincoln	Wind	1976	1	\$3,904	0	0
Logan	Wind	1976	1	\$3,904	0	0
Mason	Wind	1976	1	\$3,904	0	0
Mingo	Wind	1976	1	\$3,904	0	0
Wayne	Wind	1976	1	\$3,904	0	0
Cabell	Wind	1976	6	\$1,952	0	0
Lincoln	Wind	1976	6	\$1,952	0	0
Logan	Wind	1976	6	\$1,952	0	0
Mason	Wind	1976	6	\$1,952	0	0
Mingo	Wind	1976	6	\$1,952	0	0
Wayne	Wind	1976	6	\$1,952	0	0



TABLE 5.1.Q WIND EVENTS (SHELDUS)						
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Cabell	Wind	1976	7	\$15,405	0.5	0
Lincoln	Wind	1976	7	\$4,668	0	0
Logan	Wind	1976	7	\$4,668	0	0
Mason	Wind	1976	7	\$4,668	0	0
Mingo	Wind	1976	7	\$4,668	0	0
Wayne	Wind	1976	7	\$4,668	0	0
Cabell	Wind	1977	12	\$10,081	0	0
Cabell	Wind	1978	1	\$3,407	0	0
Lincoln	Wind	1978	1	\$3,407	0	0
Logan	Wind	1978	1	\$3,407	0	0
Mason	Wind	1978	1	\$3,407	0	0
Mingo	Wind	1978	1	\$3,407	0	0
Wayne	Wind	1978	1	\$3,407	0	0
Cabell	Wind	1979	4	\$306	0	0
Lincoln	Wind	1979	4	\$306	0	0
Logan	Wind	1979	4	\$306	0	0
Mason	Wind	1979	4	\$306	0	0
Mingo	Wind	1979	4	\$306	0	0
Wayne	Wind	1979	4	\$306	0	0
Cabell	Wind	1979	8	\$306	0.01	0
Lincoln	Wind	1979	8	\$306	0.01	0
Logan	Wind	1979	8	\$306	0.01	0
Mason	Wind	1979	8	\$306	0.01	0
Mingo	Wind	1979	8	\$306	0.01	0
Wayne	Wind	1979	8	\$306	0.01	0
Cabell	Wind	1980	3	\$27	0	0
Lincoln	Wind	1980	3	\$27	0	0
Logan	Wind	1980	3	\$27	0	0
Mason	Wind	1980	3	\$27	0	0
Mingo	Wind	1980	3	\$27	0	0
Wayne	Wind	1980	3	\$27	0	0
Cabell	Wind	1980	7	\$148	0	0
Lincoln	Wind	1980	7	\$148	0	0
Logan	Wind	1980	7	\$148	0	0
Mason	Wind	1980	7	\$148	0	0
Mingo	Wind	1980	7	\$148	0	0
Wayne	Wind	1980	7	\$148	0	0
Cabell	Wind	1980	9	\$13	0	0
Lincoln	Wind	1980	9	\$13	0	0
Logan	Wind	1980	9	\$13	0	0
Mason	Wind	1980	9	\$13	0	0
Mingo	Wind	1980	9	\$13	0	0
Wayne	Wind	1980	9	\$13	0	0
Cabell	Wind	1981	2	\$244	0	0
Lincoln	Wind	1981	2	\$244	0	0



TABLE 5.1.Q WIND EVENTS (SHELDUS)						
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Logan	Wind	1981	2	\$244	0	0
Mason	Wind	1981	2	\$244	0	0
Mingo	Wind	1981	2	\$244	0	0
Wayne	Wind	1981	2	\$244	0	0
Cabell	Wind	1981	4	\$67,209	0.5	0
Cabell	Wind	1981	5	\$1,344	0	0
Lincoln	Wind	1981	5	\$1,344	0	0
Logan	Wind	1981	5	\$1,344	0	0
Mason	Wind	1981	5	\$1,344	0	0
Mingo	Wind	1981	5	\$1,344	0	0
Wayne	Wind	1981	5	\$1,344	0	0
Cabell	Wind	1981	6	\$2,444	0	0
Lincoln	Wind	1981	6	\$2,444	0	0
Logan	Wind	1981	6	\$2,444	0	0
Mason	Wind	1981	6	\$2,444	0	0
Mingo	Wind	1981	6	\$2,444	0	0
Wayne	Wind	1981	6	\$2,444	0	0
Mason	Wind	1982	6	\$126,618	1	0
Cabell	Wind	1983	8	\$204	0	0
Mason	Wind	1983	8	\$409	0	0
Wayne	Wind	1983	8	\$204	0	0
Cabell	Wind	1986	7	\$68	0	0
Lincoln	Wind	1986	7	\$68	0	0
Logan	Wind	1986	7	\$68	0	0
Mason	Wind	1986	7	\$2,297	0	0
Mingo	Wind	1986	7	\$68	0	0
Wayne	Wind	1986	7	\$68	0	0
Cabell	Wind	1987	12	\$5,661	0	0
Lincoln	Wind	1987	12	\$5,661	0	0
Mason	Wind	1987	12	\$5,661	0	0
Wayne	Wind	1987	12	\$5,661	0	0
Cabell	Wind	1989	8	\$49	0	0
Mason	Wind	1990	6	\$935	0	0
Mason	Wind	1990	7	\$467	0	0
Logan	Wind	1990	11	\$935	0	0
Cabell	Wind	1991	4	\$44,856	0	0.5
Lincoln	Wind	1991	4	\$44,856	0	0
Logan	Wind	1991	4	\$44,856	0	0
Mason	Wind	1991	4	\$44,856	0	0
Mingo	Wind	1991	4	\$4,486	0	0
Wayne	Wind	1991	4	\$44,856	0	0
Cabell	Wind	1991	7	\$897	0	0
Cabell	Wind	1992	1	\$2,074	0	0
Lincoln	Wind	1992	1	\$2,074	0	0
Logan	Wind	1992	1	\$2,074	0	0



TABLE 5.1.Q WIND EVENTS (SHELDUS)						
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Mason	Wind	1992	1	\$2,074	0	0
Mingo	Wind	1992	1	\$2,074	0	0
Wayne	Wind	1992	1	\$2,074	0	0
Cabell	Wind	1992	11	\$189	0	0
Lincoln	Wind	1992	11	\$189	0	0
Logan	Wind	1992	11	\$189	0	0
Mason	Wind	1992	11	\$189	0	0
Mingo	Wind	1992	11	\$189	0	0
Wayne	Wind	1992	11	\$189	0	0
Cabell	Wind	1993	2	\$4,228	0	0
Lincoln	Wind	1993	2	\$4,228	0	0
Mason	Wind	1993	2	\$423	0	0
Wayne	Wind	1993	2	\$42,702	0	0
Cabell	Wind	1993	4	\$423	0	0
Mason	Wind	1993	4	\$423	0	0
Wayne	Wind	1993	4	\$423	0	0
Cabell	Wind	1993	11	\$8,456	0	0
Wayne	Wind	1993	11	\$4,228	0	0
Cabell	Wind	1994	3	\$242	0	0
Lincoln	Wind	1994	3	\$242	0	0
Mason	Wind	1994	3	\$242	0	0
Wayne	Wind	1994	3	\$242	0	0
Logan	Wind	1994	6	\$275	0	0
Mason	Wind	1994	6	\$275	0	0
Cabell	Wind	1995	5	\$32,070	0	0
Lincoln	Wind	1995	5	\$12,026	0	0
Mason	Wind	1995	5	\$12,026	0	0
Mingo	Wind	1995	5	\$16,035	0	0
Wayne	Wind	1995	5	\$28,061	0.5	0
Cabell	Wind	1995	6	\$44,096	0	0
Lincoln	Wind	1995	6	\$4,009	0	0
Logan	Wind	1995	6	\$8,017	0	0
Mason	Wind	1995	6	\$8,017	0	0
Wayne	Wind	1995	6	\$8,017	0	0
Cabell	Wind	1996	4	\$54,513	0	0
Mason	Wind	1996	4	\$15,575	0	0
Mingo	Wind	1996	4	\$15,575	0	0
Cabell	Wind	1996	5	\$3,894	0	0
Lincoln	Wind	1996	5	\$11,681	0	0
Mason	Wind	1996	5	\$7,788	0	0
Wayne	Wind	1996	5	\$39,716	0	0
Cabell	Wind	1996	6	\$10,124	0	0
Lincoln	Wind	1996	6	\$2,336	0	0
Logan	Wind	1996	6	\$23,363	0	0
Mason	Wind	1996	6	\$779	0	0



TABLE 5.1.Q WIND EVENTS (SHELDUS)						
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Wayne	Wind	1996	6	\$1,558	0	0
Cabell	Wind	1996	7	\$2,336	0	0
Lincoln	Wind	1996	7	\$155,751	0	0
Mason	Wind	1996	8	\$1,558	0	0
Logan	Wind	1997	1	\$761	0	0
Mingo	Wind	1997	1	\$761	0	0
Cabell	Wind	1997	7	\$13,703	0	0
Lincoln	Wind	1997	7	\$5,329	0	0
Logan	Wind	1997	7	\$1,523	0	0
Mason	Wind	1997	7	\$20,555	0	0
Mingo	Wind	1997	7	\$761	0	0
Wayne	Wind	1997	7	\$3,806	0	0
Cabell	Wind	1997	8	\$14,464	0	0
Lincoln	Wind	1997	8	\$1,523	0	0
Mason	Wind	1997	8	\$14,464	0	0
Wayne	Wind	1997	8	\$5,329	0	0
Wayne	Wind	1998	2	\$2,249	0	0
Wayne	Wind	1998	4	\$3,748	0	0
Cabell	Wind	1998	5	\$37,481	0	0
Mingo	Wind	1998	5	\$1,499	0	0
Cabell	Wind	1998	6	\$3,748	0	0
Mason	Wind	1998	6	\$8,995	0	0
Mingo	Wind	1998	6	\$1,499	0	0
Mason	Wind	1998	9	\$750	0	0
Mingo	Wind	1999	1	\$1,467	0	0
Wayne	Wind	1999	1	\$2,934	0	0
Cabell	Wind	1999	4	\$1,467	0	0
Mingo	Wind	1999	4	\$8,801	0.5	0
Mason	Wind	1999	7	\$7,334	0	0
Mingo	Wind	1999	7	\$1,467	0	0
Wayne	Wind	1999	7	\$2,934	0	0
Cabell	Wind	1999	8	\$1,467	0	0
Lincoln	Wind	1999	8	\$13,201	0	0
Mingo	Wind	1999	8	\$3,667	0	0
Cabell	Wind	1999	10	\$3,667	0	0
Lincoln	Wind	1999	10	\$11,001	0	0
Wayne	Wind	1999	10	\$14,668	0	0
Logan	Wind	2000	5	\$710	0	0
Lincoln	Wind	2000	6	\$2,129	0	0
Logan	Wind	2000	6	\$3,548	0	0
Mason	Wind	2000	6	\$710	0	0
Wayne	Wind	2000	6	\$710	0	0
Cabell	Wind	2000	7	\$152,556	0	0
Lincoln	Wind	2000	7	\$5,676	0	0
Logan	Wind	2000	7	\$2,129	0	0



TABLE 5.1.Q WIND EVENTS (SHELDUS)						
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Mingo	Wind	2000	7	\$2,838	0	0
Wayne	Wind	2000	7	\$2,129	0	0
Cabell	Wind	2000	8	\$7,096	0	0
Lincoln	Wind	2000	8	\$7,096	0	0
Logan	Wind	2000	8	\$1,419	0	0
Mason	Wind	2000	8	\$15,610	0	0
Mingo	Wind	2000	8	\$3,548	0	0
Wayne	Wind	2000	8	\$23,416	0	0
Cabell	Wind	2001	3	\$138	0	0
Lincoln	Wind	2001	3	\$138	0	0
Mason	Wind	2001	3	\$138	0	0
Wayne	Wind	2001	3	\$138	0	0
Cabell	Wind	2001	5	\$3,450	0	0
Lincoln	Wind	2001	5	\$5,519	0	0
Logan	Wind	2001	5	\$3,450	0	2
Mason	Wind	2001	5	\$10,349	0	0
Cabell	Wind	2001	6	\$2,070	0	0
Mason	Wind	2001	6	\$1,380	0	0
Lincoln	Wind	2001	7	\$2,070	0	0
Logan	Wind	2001	10	\$2,070	0	0
Cabell	Wind	2001	12	\$0	0	0
Lincoln	Wind	2001	12	\$0	0	0
Logan	Wind	2001	12	\$0	0	0
Mason	Wind	2001	12	\$0	0	0
Mingo	Wind	2001	12	\$0	0	0
Wayne	Wind	2001	12	\$0	0	0
Cabell	Wind	2002	3	\$4,075	0	0
Lincoln	Wind	2002	3	\$4,075	0	0
Mason	Wind	2002	3	\$4,075	0	0
Wayne	Wind	2002	3	\$4,075	0	0
Logan	Wind	2002	5	\$2,038	0	0
Mason	Wind	2002	5	\$1,358	0	0
Mingo	Wind	2002	5	\$6,792	0	0
Mingo	Wind	2002	6	\$679	0	0
Lincoln	Wind	2002	11	\$2,038	0	0
Mason	Wind	2002	11	\$1,358	0	0
Wayne	Wind	2002	11	\$3,396	0	0
Cabell	Wind	2003	5	\$9,961	0	0
Mingo	Wind	2003	5	\$664	0	0
Wayne	Wind	2003	5	\$1,328	0	0
Mason	Wind	2004	3	\$6,468	0	0
Cabell	Wind	2004	6	\$48,512	0.5	0
Cabell	Wind	2005	7	\$626	0	0.5
Logan	Wind	2005	7	\$12,513	0	0
Mason	Wind	2005	7	\$1,251	0	0



TABLE 5.1.Q WIND EVENTS (SHELDUS)						
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Logan	Wind	2006	4	\$30,304	0.5	0
Mingo	Wind	2006	4	\$545,476	1	0
Cabell	Wind	2006	6	\$3,030	0	0
Mason	Wind	2006	7	\$3,030	0	0
Wayne	Wind	2006	7	\$3,030	0	0
Cabell	Wind	2007	6	\$589	0	0
Cabell	Wind	2007	7	\$25,929	0	0
Cabell	Wind	2008	1	\$568	0	0
Mason	Wind	2008	1	\$1,135	0	0
Cabell	Wind	2008	2	\$2,838	0	0
Logan	Wind	2008	4	\$113,502	0.5	0
Mingo	Wind	2008	4	\$1,135	0	0
Lincoln	Wind	2008	6	\$1,135	0	0
Mason	Wind	2008	6	\$1,135	0	0
Cabell	Wind	2009	2	\$5,695	0	0
Lincoln	Wind	2009	2	\$11,391	0	0
Logan	Wind	2009	2	\$5,695	0	0
Mason	Wind	2009	2	\$2,848	0	0
Mingo	Wind	2009	2	\$14,238	0	0
Lincoln	Wind	2009	4	\$1,139	0	0
Logan	Wind	2009	4	\$8,543	0	0
Mingo	Wind	2009	4	\$1,139	0	0
Mingo	Wind	2009	6	\$570	0	0
Logan	Wind	2009	7	\$1,139	0	0
Cabell	Wind	2010	6	\$15,129	0	0
Lincoln	Wind	2010	6	\$2,802	0	0
Mingo	Wind	2010	6	\$560	0	0
Wayne	Wind	2010	6	\$5,603	0	0
Cabell	Wind	2010	8	\$7,284	0	0
Lincoln	Wind	2010	8	\$5,603	0	0
Wayne	Wind	2010	8	\$4,483	0	0
Cabell	Wind	2010	10	\$11,207	0	0
Lincoln	Wind	2010	10	\$2,802	0	0
Mason	Wind	2010	10	\$8,966	0	0
Mingo	Wind	2010	10	\$1,121	0	0
Cabell	Wind	2011	2	\$1,086	0	0
Lincoln	Wind	2011	2	\$1,086	0	0
Lincoln	Wind	2011	3	\$543	0	0
Cabell	Wind	2011	4	\$16,839	0	0
Lincoln	Wind	2011	4	\$13,580	0	0
Logan	Wind	2011	4	\$3,802	0	0
Mingo	Wind	2011	4	\$543	0	0
Wayne	Wind	2011	4	\$1,630	0	0
Cabell	Wind	2011	5	\$10,864	0	0
Wayne	Wind	2011	5	\$54,320	0	0



TABLE 5.1.Q WIND EVENTS (SHELDUS)						
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Cabell	Wind	2011	6	\$8,691	0	0
Lincoln	Wind	2011	6	\$1,086	0	0
Mason	Wind	2011	6	\$1,086	0	0
Wayne	Wind	2011	6	\$7,605	0	0
Cabell	Wind	2011	7	\$40,740	0	0
Logan	Wind	2011	7	\$543	0	0
Lincoln	Wind	2011	9	\$5,432	0	0
Mingo	Wind	2012	2	\$2,129	0	0
Cabell	Wind	2012	6	\$1,649,775	0	0
Lincoln	Wind	2012	6	\$399,139	0	0
Logan	Wind	2012	6	\$404,461	0	0
Mason	Wind	2012	6	\$843,514	0	0
Mingo	Wind	2012	6	\$399,139	0	0
Wayne	Wind	2012	6	\$533,250	0	0
Cabell	Wind	2012	7	\$9,579	0	0
Lincoln	Wind	2012	7	\$31,931	0	0
Logan	Wind	2012	7	\$35,124	0	0
Mingo	Wind	2012	7	\$11,176	0	0
Wayne	Wind	2012	7	\$9,047	0	0
Cabell	Wind	2013	1	\$3,672	0	0
Cabell	Wind	2013	5	\$26,225	0	0
Lincoln	Wind	2013	5	\$13,113	0	0
Mingo	Wind	2013	5	\$1,574	0	0
Logan	Wind	2013	7	\$2,623	0	0
Cabell	Wind	2013	11	\$151,057	0	0
Mason	Wind	2013	11	\$525	0	0
Wayne	Wind	2013	11	\$78,675	0	0
Cabell	Wind	2013	12	\$5,245	0	0
Lincoln	Wind	2013	12	\$2,623	0	0
Mason	Wind	2013	12	\$4,196	0	0
Wayne	Wind	2013	12	\$2,623	0	0
Cabell	Wind	2014	1	\$245,162	0	0
Lincoln	Wind	2014	1	\$23,226	0	0
Logan	Wind	2014	1	\$23,226	0	0
Mason	Wind	2014	1	\$116,129	0	0
Mingo	Wind	2014	1	\$23,226	0	0
Wayne	Wind	2014	1	\$23,226	0	0
Cabell	Wind	2014	2	\$103,226	0	0
Lincoln	Wind	2014	2	\$23,226	0	0
Mingo	Wind	2014	2	\$23,226	0	0
Wayne	Wind	2014	2	\$23,226	0	0
Wayne	Wind	2014	3	\$25,807	0	0
Lincoln	Wind	2014	4	\$1,032	0	0
Wayne	Wind	2014	4	\$2,581	0	0
Mingo	Wind	2014	5	\$2,581	0	0



TABLE 5.1.Q WIND EVENTS (SHELDUS)						
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Cabell	Wind	2014	6	\$108,387	0	0
Mason	Wind	2014	6	\$1,032	0	0
Wayne	Wind	2014	6	\$3,613	0	0
Mason	Wind	2014	7	\$1,032	0	0
Cabell	Wind	2014	8	\$17,548	0	0
Mason	Wind	2014	8	\$516	0	0
Cabell	Wind	2014	11	\$10,323	0	0
Lincoln	Wind	2014	11	\$5,161	0	0
Logan	Wind	2014	11	\$2,065	0	0
Mason	Wind	2014	11	\$5,161	0	0
Mingo	Wind	2014	11	\$2,065	0	0
Wayne	Wind	2014	11	\$15,484	0	0
Cabell	Wind	2015	2	\$25,776	0	0
Cabell	Wind	2015	6	\$30,931	0	0
Lincoln	Wind	2015	6	\$6,186	0	0
Mingo	Wind	2015	6	\$2,062	0	0
Cabell	Wind	2015	7	\$54,129	0	0
Lincoln	Wind	2015	7	\$14,950	0	0
Logan	Wind	2015	7	\$26,807	0	0
Mason	Wind	2015	7	\$19,074	0	0
Mingo	Wind	2015	7	\$51,552	0	0
Wayne	Wind	2015	7	\$25,776	0	0
Cabell	Wind	2016	3	\$0	0	0
Lincoln	Wind	2016	3	\$0	0	0
Mason	Wind	2016	3	\$0	0	0
Wayne	Wind	2016	3	\$0	0	0
Cabell	Wind	2016	4	\$0	0	0
Lincoln	Wind	2016	4	\$0	0	0
Logan	Wind	2016	4	\$0	0	0
Mason	Wind	2016	4	\$0	0	0
Mingo	Wind	2016	4	\$0	0	0
Wayne	Wind	2016	4	\$0	0	0
Wayne	Wind	2016	5	\$0	0	0
Lincoln	Wind	2016	6	\$0	0	0
Mason	Wind	2016	6	\$0	0	0
Mingo	Wind	2016	6	\$0	0	0
Cabell	Wind	2016	7	\$0	0	0
Lincoln	Wind	2016	7	\$0	0	0
Logan	Wind	2016	7	\$0	0	0
Mason	Wind	2016	7	\$0	0	0
Mingo	Wind	2016	7	\$0	0	0
Wayne	Wind	2016	7	\$0	0	0
Cabell	Wind	2016	11	\$0	0	0
Total				\$8,744,255	37	3



SEVERE WINTER WEATHER

The following table shows the severe winter events in all the counties of Region 2. Each event is separated by color.

TABLE 5.1.R SEVERE WINTER WEATHER EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Mingo	1/1/1996	Heavy Snow	\$0
Logan	1/1/1996	Heavy Snow	\$0
Wayne	1/6/1996	Heavy Snow	\$0
Mason	1/6/1996	Heavy Snow	\$0
Cabell	1/6/1996	Heavy Snow	\$0
Lincoln	1/6/1996	Heavy Snow	\$0
Logan	1/6/1996	Heavy Snow	\$0
Mingo	1/6/1996	Heavy Snow	\$0
Wayne	1/11/1996	Heavy Snow	\$0
Logan	1/11/1996	Heavy Snow	\$0
Mingo	1/11/1996	Heavy Snow	\$0
Lincoln	1/11/1996	Heavy Snow	\$0
Mason	1/11/1996	Heavy Snow	\$0
Cabell	1/11/1996	Heavy Snow	\$0
Lincoln	2/2/1996	Heavy Snow	\$0
Mason	2/2/1996	Heavy Snow	\$0
Cabell	2/2/1996	Heavy Snow	\$0
Wayne	2/2/1996	Heavy Snow	\$0
Mingo	2/2/1996	Heavy Snow	\$0
Logan	2/2/1996	Heavy Snow	\$0
Lincoln	12/27/1997	Winter Weather	\$0
Wayne	2/3/1998	Winter Storm	\$200,000
Cabell	2/3/1998	Winter Storm	\$250,000
Logan	2/3/1998	Winter Storm	\$0
Mingo	2/3/1998	Winter Storm	\$50,000
Mason	2/3/1998	Winter Storm	\$0
Lincoln	2/3/1998	Winter Storm	\$50,000
Lincoln	1/8/1999	Ice Storm	\$0
Wayne	1/8/1999	Ice Storm	\$0
Cabell	1/8/1999	Ice Storm	\$0
Lincoln	2/12/1999	Winter Weather	\$0



TABLE 5.1.R SEVERE WINTER WEATHER EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Cabell	2/12/1999	Winter Weather	\$0
Wayne	2/12/1999	Winter Weather	\$0
Mingo	2/12/1999	Winter Weather	\$0
Mason	2/12/1999	Winter Weather	\$0
Logan	2/12/1999	Winter Weather	\$0
Mingo	1/18/2000	Heavy Snow	\$0
Logan	1/18/2000	Heavy Snow	\$0
Cabell	1/29/2000	Winter Storm	\$0
Wayne	1/29/2000	Winter Storm	\$0
Mingo	2/4/2000	Heavy Snow	\$0
Wayne	1/6/2002	Heavy Snow	\$0
Mingo	1/6/2002	Heavy Snow	\$0
Logan	1/6/2002	Heavy Snow	\$0
Lincoln	1/6/2002	Heavy Snow	\$0
Wayne	1/19/2002	Heavy Snow	\$0
Mingo	1/19/2002	Heavy Snow	\$0
Logan	1/19/2002	Heavy Snow	\$0
Lincoln	1/19/2002	Heavy Snow	\$0
Cabell	1/19/2002	Heavy Snow	\$0
Lincoln	12/4/2002	Winter Storm	\$0
Mingo	12/4/2002	Winter Storm	\$0
Wayne	12/4/2002	Winter Storm	\$0
Logan	12/4/2002	Winter Storm	\$0
Cabell	12/4/2002	Heavy Snow	\$0
Mason	12/4/2002	Heavy Snow	\$0
Cabell	2/16/2003	Winter Storm	\$0
Wayne	2/16/2003	Winter Storm	\$50,000
Mason	2/16/2003	Ice Storm	\$1,000,000
Wayne	10/3/2003	Frost/Freeze	\$0
Cabell	10/3/2003	Frost/Freeze	\$0
Logan	10/3/2003	Frost/Freeze	\$0
Lincoln	10/3/2003	Frost/Freeze	\$0
Mason	10/3/2003	Frost/Freeze	\$0
Mingo	10/3/2003	Frost/Freeze	\$0
Mingo	1/25/2004	Winter Storm	\$0



TABLE 5.1.R SEVERE WINTER WEATHER EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Cabell	1/25/2004	Winter Storm	\$0
Logan	1/25/2004	Winter Storm	\$0
Lincoln	1/25/2004	Winter Storm	\$0
Wayne	1/25/2004	Winter Storm	\$0
Mason	1/25/2004	Winter Storm	\$0
Mason	4/28/2004	Frost/Freeze	\$0
Cabell	5/4/2004	Frost/Freeze	\$0
Wayne	5/4/2004	Frost/Freeze	\$0
Mingo	5/4/2004	Frost/Freeze	\$0
Mason	5/4/2004	Frost/Freeze	\$0
Logan	5/4/2004	Frost/Freeze	\$0
Lincoln	5/4/2004	Frost/Freeze	\$0
Lincoln	2/7/2007	Winter Weather	\$0
Wayne	2/7/2007	Winter Weather	\$0
Cabell	2/7/2007	Winter Weather	\$0
Mingo	2/7/2007	Winter Weather	\$0
Mason	2/7/2007	Winter Weather	\$0
Logan	2/7/2007	Winter Weather	\$0
Mason	2/20/2008	Winter Weather	\$0
Cabell	12/23/2008	Winter Weather	\$0
Wayne	12/23/2008	Winter Weather	\$0
Mason	1/27/2009	Winter Storm	\$50,000
Wayne	1/27/2009	Winter Storm	\$50,000
Cabell	1/27/2009	Winter Storm	\$250,000
Lincoln	1/27/2009	Winter Storm	\$0
Logan	2/3/2009	Heavy Snow	\$0
Mingo	2/3/2009	Heavy Snow	\$0
Mingo	12/18/2009	Heavy Snow	\$700,000
Logan	12/18/2009	Heavy Snow	\$200,000
Wayne	12/18/2009	Heavy Snow	\$50,000
Cabell	12/18/2009	Heavy Snow	\$25,000
Lincoln	12/18/2009	Heavy Snow	\$50,000
Mingo	1/29/2010	Heavy Snow	\$0
Logan	1/30/2010	Heavy Snow	\$0
Wayne	1/30/2010	Heavy Snow	\$0



TABLE 5.1.R SEVERE WINTER WEATHER EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Lincoln	1/30/2010	Heavy Snow	\$0
Cabell	12/16/2010	Heavy Snow	\$0
Logan	12/16/2010	Winter Storm	\$0
Wayne	12/16/2010	Heavy Snow	\$0
Mason	12/16/2010	Heavy Snow	\$0
Lincoln	12/16/2010	Heavy Snow	\$0
Mingo	12/16/2010	Winter Storm	\$0
Logan	12/25/2010	Winter Weather	\$0
Mingo	12/25/2010	Winter Weather	\$0
Logan	2/19/2012	Heavy Snow	\$50,000
Mingo	2/19/2012	Heavy Snow	\$50,000
Wayne	3/5/2012	Heavy Snow	\$0
Cabell	3/5/2012	Winter Weather	\$0
Logan	3/5/2012	Winter Weather	\$0
Mingo	3/5/2012	Winter Weather	\$0
Mingo	10/29/2012	Heavy Snow	\$250,000
Logan	10/29/2012	Heavy Snow	\$400,000
Lincoln	10/29/2012	Heavy Snow	\$750,000
Wayne	10/29/2012	Heavy Snow	\$200,000
Mason	3/17/2013	Winter Weather	\$0
Cabell	12/8/2013	Heavy Snow	\$0
Logan	1/2/2014	Winter Weather	\$50,000
Wayne	1/21/2014	Heavy Snow	\$0
Cabell	1/21/2014	Heavy Snow	\$0
Lincoln	1/21/2014	Heavy Snow	\$0
Logan	1/21/2014	Heavy Snow	\$0
Mingo	1/21/2014	Heavy Snow	\$0
Wayne	1/25/2014	Winter Weather	\$0
Mason	1/25/2014	Winter Weather	\$0
Cabell	1/25/2014	Winter Weather	\$0
Lincoln	1/25/2014	Winter Weather	\$0
Logan	1/25/2014	Winter Weather	\$0
Mingo	1/25/2014	Winter Weather	\$0
Mason	2/2/2014	Heavy Snow	\$0
Mingo	2/12/2014	Heavy Snow	\$0



TABLE 5.1.R SEVERE WINTER WEATHER EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Logan	2/12/2014	Heavy Snow	\$0
Lincoln	2/12/2014	Heavy Snow	\$0
Mason	3/2/2014	Winter Storm	\$0
Cabell	3/2/2014	Winter Storm	\$0
Wayne	3/2/2014	Winter Storm	\$0
Lincoln	3/2/2014	Winter Storm	\$0
Logan	3/2/2014	Winter Storm	\$0
Mingo	3/2/2014	Winter Storm	\$0
Lincoln	3/16/2014	Heavy Snow	\$0
Cabell	3/16/2014	Heavy Snow	\$0
Wayne	3/16/2014	Heavy Snow	\$0
Mason	3/16/2014	Heavy Snow	\$0
Lincoln	2/16/2015	Heavy Snow	\$0
Cabell	2/16/2015	Heavy Snow	\$0
Wayne	2/16/2015	Heavy Snow	\$0
Logan	2/16/2015	Heavy Snow	\$0
Mingo	2/16/2015	Heavy Snow	\$0
Mason	2/16/2015	Heavy Snow	\$0
Cabell	2/18/2015	Winter Weather	\$0
Wayne	2/18/2015	Winter Weather	\$0
Logan	2/18/2015	Winter Weather	\$0
Lincoln	2/18/2015	Winter Weather	\$0
Cabell	2/21/2015	Winter Storm	\$50,000
Wayne	2/21/2015	Winter Storm	\$75,000
Lincoln	2/21/2015	Winter Storm	\$0
Mingo	2/21/2015	Winter Storm	\$100,000
Logan	2/21/2015	Winter Storm	\$75,000
Mason	2/21/2015	Heavy Snow	\$0
Mason	3/4/2015	Heavy Snow	\$0
Cabell	3/4/2015	Heavy Snow	\$0
Wayne	3/4/2015	Heavy Snow	\$0
Lincoln	3/4/2015	Heavy Snow	\$0
Logan	3/5/2015	Heavy Snow	\$0
Mingo	3/5/2015	Heavy Snow	\$0
Mason	1/8/2016	Winter Weather	\$0



TABLE 5.1.R SEVERE WINTER WEATHER EVENTS (NCEI)			
<i>County</i>	<i>Date</i>	<i>Event</i>	<i>Property Damage</i>
Mingo	1/22/2016	Heavy Snow	\$0
Logan	1/22/2016	Heavy Snow	\$0
Lincoln	1/22/2016	Heavy Snow	\$25,000
Wayne	1/22/2016	Heavy Snow	\$0
Cabell	1/22/2016	Heavy Snow	\$0
Mason	1/22/2016	Heavy Snow	\$0
Cabell	2/14/2016	Heavy Snow	\$0
Wayne	2/14/2016	Heavy Snow	\$0
Mingo	2/14/2016	Heavy Snow	\$0
Mason	2/14/2016	Winter Weather	\$0
Lincoln	2/14/2016	Heavy Snow	\$0
Logan	2/14/2016	Heavy Snow	\$0
Wayne	3/3/2016	Winter Weather	\$50,000
Mingo	3/3/2016	Winter Weather	\$10,000
Logan	3/3/2016	Winter Weather	\$10,000
Lincoln	3/3/2016	Winter Weather	\$10,000
Cabell	1/5/2017	Winter Weather	\$0
Lincoln	1/5/2017	Winter Weather	\$0
Wayne	1/5/2017	Winter Weather	\$0
Logan	1/5/2017	Winter Weather	\$0
Mason	1/5/2017	Winter Weather	\$0
Mingo	1/5/2017	Winter Weather	\$0
			\$5,130,000

TABLE 5.1.S SEVERE WINTER WEATHER EVENTS (SHELDUS)						
<i>County Name</i>	<i>Hazard</i>	<i>Year</i>	<i>Month</i>	<i>Property Damage (ADJ 2016)</i>	<i>Injuries</i>	<i>Fatalities</i>
Cabell	Winter Weather	1960	2	\$751	0	0
Lincoln	Winter Weather	1960	2	\$751	0	0
Logan	Winter Weather	1960	2	\$751	0	0
Mason	Winter Weather	1960	2	\$751	0	0
Mingo	Winter Weather	1960	2	\$751	0	0
Wayne	Winter Weather	1960	2	\$751	0	0
Cabell	Winter Weather	1960	3	\$751	0	0
Lincoln	Winter Weather	1960	3	\$751	0	0
Logan	Winter Weather	1960	3	\$751	0	0
Mason	Winter Weather	1960	3	\$751	0	0



TABLE 5.1.S SEVERE WINTER WEATHER EVENTS (SHELDUS)						
County Name	Hazard	Year	Month	Property Damage (ADJ 2016)	Injuries	Fatalities
Mingo	Winter Weather	1960	3	\$751	0	0
Wayne	Winter Weather	1960	3	\$751	0	0
Cabell	Winter Weather	1961	1	\$0	0	0.22
Lincoln	Winter Weather	1961	1	\$0	0	0.22
Logan	Winter Weather	1961	1	\$0	0	0.22
Mason	Winter Weather	1961	1	\$0	0	0.22
Mingo	Winter Weather	1961	1	\$0	0	0.22
Wayne	Winter Weather	1961	1	\$0	0	0.22
Cabell	Winter Weather	1961	2	\$0	0	1
Cabell	Winter Weather	1961	10	\$136,217	0	0
Lincoln	Winter Weather	1961	10	\$136,217	0	0
Logan	Winter Weather	1961	10	\$136,217	0	0
Mason	Winter Weather	1961	10	\$136,217	0	0
Mingo	Winter Weather	1961	10	\$136,217	0	0
Wayne	Winter Weather	1961	10	\$136,217	0	0
Cabell	Winter Weather	1966	1	\$137	0	0
Lincoln	Winter Weather	1966	1	\$137	0	0
Logan	Winter Weather	1966	1	\$137	0	0
Mason	Winter Weather	1966	1	\$137	0	0
Mingo	Winter Weather	1966	1	\$137	0	0
Wayne	Winter Weather	1966	1	\$137	0	0
Cabell	Winter Weather	1967	12	\$665	0	0
Lincoln	Winter Weather	1967	12	\$665	0	0
Logan	Winter Weather	1967	12	\$665	0	0
Mason	Winter Weather	1967	12	\$665	0	0
Mingo	Winter Weather	1967	12	\$665	0	0
Wayne	Winter Weather	1967	12	\$665	0	0
Cabell	Winter Weather	1968	1	\$638	0	0
Lincoln	Winter Weather	1968	1	\$638	0	0
Logan	Winter Weather	1968	1	\$638	0	0
Mason	Winter Weather	1968	1	\$638	0	0
Mingo	Winter Weather	1968	1	\$638	0	0
Wayne	Winter Weather	1968	1	\$638	0	0
Cabell	Winter Weather	1974	12	\$0	0	0.01
Lincoln	Winter Weather	1974	12	\$0	0	0.01
Logan	Winter Weather	1974	12	\$0	0	0.01
Mason	Winter Weather	1974	12	\$0	0	0.01
Mingo	Winter Weather	1974	12	\$0	0	0.01
Wayne	Winter Weather	1974	12	\$0	0	0.01
Cabell	Winter Weather	1975	1	\$413	0	0
Lincoln	Winter Weather	1975	1	\$413	0	0
Logan	Winter Weather	1975	1	\$413	0	0
Mason	Winter Weather	1975	1	\$413	0	0
Mingo	Winter Weather	1975	1	\$413	0	0
Wayne	Winter Weather	1975	1	\$413	0	0



TABLE 5.1.S SEVERE WINTER WEATHER EVENTS (SHELDUS)						
County Name	Hazard	Year	Month	Property Damage (ADJ 2016)	Injuries	Fatalities
Cabell	Winter Weather	1976	1	\$4,569	0.43	0.04
Lincoln	Winter Weather	1976	1	\$4,569	0.43	0.04
Logan	Winter Weather	1976	1	\$4,569	0.43	0.04
Mason	Winter Weather	1976	1	\$4,569	0.43	0.04
Mingo	Winter Weather	1976	1	\$4,569	0.43	0.04
Wayne	Winter Weather	1976	1	\$4,569	0.43	0.04
Cabell	Winter Weather	1977	1	\$3,666	0	0
Lincoln	Winter Weather	1977	1	\$3,666	0	0
Logan	Winter Weather	1977	1	\$3,666	0	0
Mason	Winter Weather	1977	1	\$3,666	0	0
Mingo	Winter Weather	1977	1	\$3,666	0	0
Wayne	Winter Weather	1977	1	\$3,666	0	0
Cabell	Winter Weather	1977	5	\$0	0	0
Lincoln	Winter Weather	1977	5	\$0	0	0
Logan	Winter Weather	1977	5	\$0	0	0
Mason	Winter Weather	1977	5	\$0	0	0
Mingo	Winter Weather	1977	5	\$0	0	0
Wayne	Winter Weather	1977	5	\$0	0	0
Cabell	Winter Weather	1978	1	\$4,462	0	0
Lincoln	Winter Weather	1978	1	\$4,462	0	0
Logan	Winter Weather	1978	1	\$4,462	0	0
Mason	Winter Weather	1978	1	\$4,462	0	0
Mingo	Winter Weather	1978	1	\$4,462	0	0
Wayne	Winter Weather	1978	1	\$4,462	0	0
Cabell	Winter Weather	1980	3	\$27	0	0
Lincoln	Winter Weather	1980	3	\$27	0	0
Logan	Winter Weather	1980	3	\$27	0	0
Mason	Winter Weather	1980	3	\$27	0	0
Mingo	Winter Weather	1980	3	\$27	0	0
Wayne	Winter Weather	1980	3	\$27	0	0
Cabell	Winter Weather	1982	3	\$23	0	0
Lincoln	Winter Weather	1982	3	\$23	0	0
Logan	Winter Weather	1982	3	\$23	0	0
Mason	Winter Weather	1982	3	\$23	0	0
Mingo	Winter Weather	1982	3	\$23	0	0
Wayne	Winter Weather	1982	3	\$23	0	0
Cabell	Winter Weather	1983	12	\$0	0.16	0
Lincoln	Winter Weather	1983	12	\$0	0.16	0
Logan	Winter Weather	1983	12	\$0	0.16	0
Mason	Winter Weather	1983	12	\$0	0.16	0
Mingo	Winter Weather	1983	12	\$0	0.16	0
Wayne	Winter Weather	1983	12	\$0	0.16	0
Mason	Winter Weather	1984	2	\$0	0	1
Cabell	Winter Weather	1987	2	\$1,076	1	0
Cabell	Winter Weather	1987	4	\$1,956	0	0.05



TABLE 5.1.S SEVERE WINTER WEATHER EVENTS (SHELDUS)						
County Name	Hazard	Year	Month	Property Damage (ADJ 2016)	Injuries	Fatalities
Lincoln	Winter Weather	1987	4	\$1,956	0	0.05
Logan	Winter Weather	1987	4	\$1,956	0	0.05
Mason	Winter Weather	1987	4	\$1,956	0	0.05
Mingo	Winter Weather	1987	4	\$1,956	0	0.05
Wayne	Winter Weather	1987	4	\$1,956	0	0.05
Cabell	Winter Weather	1993	3	\$4,080	0	0
Lincoln	Winter Weather	1993	3	\$4,080	0	0
Logan	Winter Weather	1993	3	\$4,080	0	0
Mason	Winter Weather	1993	3	\$4,080	0	0
Mingo	Winter Weather	1993	3	\$4,080	0	0
Wayne	Winter Weather	1993	3	\$4,080	0	0
Cabell	Winter Weather	1994	1	\$207,177	0.14	0
Lincoln	Winter Weather	1994	1	\$207,177	0.14	0
Logan	Winter Weather	1994	1	\$206,743	0.14	1
Mason	Winter Weather	1994	1	\$207,177	0.14	0
Mingo	Winter Weather	1994	1	\$206,743	0.14	0
Wayne	Winter Weather	1994	1	\$207,177	0.14	0
Cabell	Winter Weather	1994	2	\$2,011	0	0
Lincoln	Winter Weather	1994	2	\$2,011	0	0
Logan	Winter Weather	1994	2	\$2,086	0	0
Mason	Winter Weather	1994	2	\$2,011	0	0
Mingo	Winter Weather	1994	2	\$2,086	0	0
Wayne	Winter Weather	1994	2	\$2,011	0	0
Cabell	Winter Weather	1996	2	\$4,581	0	0
Lincoln	Winter Weather	1996	2	\$4,581	0	0
Logan	Winter Weather	1996	2	\$4,581	0	0
Mason	Winter Weather	1996	2	\$4,581	0	0
Mingo	Winter Weather	1996	2	\$4,581	0	0
Wayne	Winter Weather	1996	2	\$4,581	0	0
Cabell	Winter Weather	1997	1	\$1,120	0	0
Lincoln	Winter Weather	1997	1	\$1,120	0	0
Logan	Winter Weather	1997	1	\$1,120	0	0
Mason	Winter Weather	1997	1	\$1,120	0	0
Mingo	Winter Weather	1997	1	\$1,120	0	0
Wayne	Winter Weather	1997	1	\$1,120	0	0
Cabell	Winter Weather	1998	2	\$549,715	0	0
Lincoln	Winter Weather	1998	2	\$549,715	0	0
Logan	Winter Weather	1998	2	\$549,715	0	0
Mason	Winter Weather	1998	2	\$549,715	0	0
Mingo	Winter Weather	1998	2	\$549,715	0	0
Wayne	Winter Weather	1998	2	\$549,715	0	0
Cabell	Winter Weather	1999	1	\$0	0	1
Lincoln	Winter Weather	2002	12	\$679	0	0
Logan	Winter Weather	2002	12	\$679	0	0
Mingo	Winter Weather	2002	12	\$679	0	0



TABLE 5.1.S SEVERE WINTER WEATHER EVENTS (SHELDUS)						
County Name	Hazard	Year	Month	Property Damage (ADJ 2016)	Injuries	Fatalities
Wayne	Winter Weather	2002	12	\$679	0	0
Cabell	Winter Weather	2003	2	\$252,342	0	0
Mason	Winter Weather	2003	2	\$1,261,710	0	0
Wayne	Winter Weather	2003	2	\$252,342	0	0
Cabell	Winter Weather	2009	1	\$16,875	0	0
Lincoln	Winter Weather	2009	1	\$16,875	0	0
Mason	Winter Weather	2009	1	\$16,875	0	0
Wayne	Winter Weather	2009	1	\$16,875	0	0
Cabell	Winter Weather	2009	12	\$204,677	0	0
Lincoln	Winter Weather	2009	12	\$204,677	0	0
Logan	Winter Weather	2009	12	\$204,677	0	0
Mingo	Winter Weather	2009	12	\$204,677	0	0
Wayne	Winter Weather	2009	12	\$204,677	0	0
Logan	Winter Weather	2012	2	\$53,219	0	0
Mingo	Winter Weather	2012	2	\$53,219	0	0
Lincoln	Winter Weather	2012	10	\$798,278	0	0
Logan	Winter Weather	2012	10	\$425,748	0	0
Mingo	Winter Weather	2012	10	\$266,093	0	0
Wayne	Winter Weather	2012	10	\$212,874	0	0
Cabell	Winter Weather	2014	1	\$245,162	0	0
Lincoln	Winter Weather	2014	1	\$23,226	0	0
Logan	Winter Weather	2014	1	\$74,839	0	0
Mason	Winter Weather	2014	1	\$116,129	0	0
Mingo	Winter Weather	2014	1	\$23,226	0	0
Wayne	Winter Weather	2014	1	\$23,226	0	0
Cabell	Winter Weather	2015	2	\$77,328	0	0
Logan	Winter Weather	2015	2	\$77,328	0	0
Mingo	Winter Weather	2015	2	\$103,104	0	0
Wayne	Winter Weather	2015	2	\$77,328	0	0
Lincoln	Winter Weather	2016	1	\$0	0	0
Lincoln	Winter Weather	2016	3	\$0	0	0
Logan	Winter Weather	2016	3	\$0	0	0
Mingo	Winter Weather	2016	3	\$0	0	0
Wayne	Winter Weather	2016	3	\$0	0	0
Total				\$11,048,424	5.38	5.92



APPENDIX 2
COMMITTEE INVOLVEMENT





REGION 2 PLANNING AND DEVELOPMENT COUNCIL

BOARD MEETING
REGION 2 CONFERENCE ROOM
400 THIRD AVENUE
HUNTINGTON, WV 25701
FRIDAY JUNE 2, 2017
12:00 P.M.

AGENDA

TELECONFERENCE PHONE #: (304) 362-8444 (NO PIN REQUIRED)
PLEASE WAIT UNTIL 12:20 TO CALL IN, DUE TO LUNCH

1. CALL TO ORDER – RICK HANDLEY, CHAIRMAN
2. INVOCATION
3. PLEDGE OF ALLEGIANCE
4. ROLL CALL – DANNIELLE SLUSHER
5. MOTION TO APPROVE MINUTES FROM PREVIOUS MEETING (SEPTEMBER 16, 2016) AS DISTRIBUTED
6. PRESENTATION OF FY 2016 AUDIT REPORT – BRUCE SULLIVAN, SULLIVANWEBB, PLLC
7. PRESENTATION OF FY 2018 U.S. ECONOMIC DEVELOPMENT ADMINISTRATION (EDA) WORK PROGRAM AND BUDGET – CHRIS CHILES, EXECUTIVE DIRECTOR
 - **MOTION TO ADOPT FY 2018 EDA WORK PROGRAM AND BUDGET AS PRESENTED**
OUTLINES REGION 2 BUDGET AND PLANNING ACTIVITIES FOR FY 2018 (JULY 1, 2017 – JUNE 30, 2018)
8. EXECUTIVE DIRECTOR’S REPORT – CHRIS CHILES, EXECUTIVE DIRECTOR
 - NEW STAFF MEMBERS – LISA WELLS AND STEVE FRYE
 - PRESIDENT TRUMP’S PROPOSED BUDGET (SEE ATTACHED)
 - ELIMINATION OF ARC, U.S. EDA, CDBG (SMALL CITIES BLOCK GRANTS), USDA WATER/WASTEWATER PROGRAMS, FEMA PROGRAMS, U.S. DOT TIGER GRANTS, U.S. EPA GRANTS, ETC.
 - MEETINGS WITH WEST VIRGINIA’S CONGRESSIONAL DELEGATION IN WASHINGTON D.C.
 - MICHELE P. CRAIG – 2017 RECIPIENT OF JOHN WHISMAN “VISION” AWARD
 - NEW RULES AND REGULATIONS FOR U.S. DEPARTMENT OF HOUSING AND URBAN

DEVELOPMENT (HUD) – SMALL CITIES BLOCK GRANT PROJECTS

- FLOODWAY WAIVERS
- INDIRECT COSTS

- PILOT PROJECT FOR U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) – GREEN INFRASTRUCTURE IN HAZARD MITIGATION PLANNING
- APPALACHIAN REGIONAL COMMISSION (ARC) FLEX-E-GRANT – PRIVATE WATER CROSSINGS IN LINCOLN COUNTY

9. PRESENTATION OF REGION 2 HAZARD MITIGATION PLAN UPDATE – JEFF HARVEY, OWNER/MANAGING MEMBER, JH CONSULTING, LLC

10. PRESENTATION OF BLUESTONE DAM AND POTENTIAL IMPACTS FROM FLOODING – AARON SMITH, SENIOR PROJECT MANAGER, U.S. ARMY CORPS OF ENGINEERS

11. PRESENTATION OF U.S. CENSUS BUREAU’S LOCAL UPDATE OF CENSUS ADDRESSES (LUCA) – JANET SPRY, PARTNERSHIP SPECIALIST, U.S. CENSUS BUREAU

12. OLD BUSINESS

13. NEW BUSINESS

- HUNTINGTON NAMED “AMERICA’S BEST COMMUNITY”

14. ADJOURNMENT

REGION 2 MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

Board Meeting ~ June 2, 2017 ~ 12:00 p.m.



GENERAL PROJECT OVERVIEW

- Update of Existing Mitigation Plan
 - Original process (i.e., starting in 2002/2003) organized at county levels
 - First consolidation into regional format in 2012
- All jurisdictions will need to adopt the updated plan.
 - Adoption is:
 - A federal mandate required for eligibility for hazard mitigation funding
 - By formal resolution
 - JHC will support adoption process
- Completed to Date
 - Administrative set-up
 - Review of existing plan
 - Historical hazard research



STEERING COMMITTEE APPROACH

- Steering vs. Full Committee
 - Utilize Region 2 Board as “full committee”
- Steering Committee
 - Smaller group and interactions with JHC staff are more frequent
 - Meet, on average, every three weeks (in-person and virtual)
 - Committee member homework
 - Hazard selection/confirmation
 - Asset inventories
 - Regional mitigation goals
 - Jurisdictional project updates (for those they represent)
 - Narrative review



JURISDICTIONAL REPRESENTATION

- All counties, cities, and towns in Region 2 will be represented in the plan.
- Interactions
 - Steering committee members
 - JHC staff (direct contact)
 - Plan integration efforts
 - Public and stakeholder processes



INTEGRATION WITH EXISTING PLANS

- Regional
 - Comprehensive Economic Development Strategy (CEDS)
 - Relevant KYOVA planning projects
 - Green infrastructure / low-impact development working group
- Jurisdiction-Specific
 - Community (i.e., county or municipal) comprehensive plans
 - Community development plans
 - Economic development plans/strategies
 - Specialized Efforts
 - Lincoln County mapping project



PUBLIC OUTREACH

- **MUST** provide opportunities for public participation
 - Goes beyond “comment”
 - Mixed methods approach
 - Town hall style meetings
 - Online surveying
 - Strategic use of social media
 - Social services/civic organizations
 - Adding mitigation topics to other public outreach efforts



QUESTIONS?



Task 2

Build the Planning Team



Multi-Jurisdiction Planning Team

The Multi-jurisdictional Natural Hazard Mitigation Plan for Monmouth County, New Jersey included 53 municipalities that required an organizational structure to facilitate inter- and intra-governmental coordination. The overall Planning Committee was divided into one Core Planning Group and 53 separate Jurisdictional Assessment Teams—one for each participating jurisdiction.

Core Planning Group

The Core Planning Group (CPG) was made up of County Steering Committee members and leaders from each Jurisdictional Assessment Team. CPG members were typically representatives of their local emergency management, engineering, planning, GIS, administration, public works, building, or highway departments. The CPG managed the overall plan activities and directly contributed to the decision making process.

Jurisdictional Assessment Teams

The Jurisdictional Assessment Teams (JAT) were headed by a Team Leader who served and represented their interests on the CPG. JATs included broader representation from within the individual jurisdictions, and many chose to align their JAT with an existing Local Emergency Planning Committee (LEPC). The JATs were responsible for local community involvement and were required to:

- Coordinate and facilitate local efforts.
- Attend meetings.
- Provide information and feedback.
- Involve the public and community stakeholders in the planning process.
- Assess mitigation alternatives.
- Select a course of action to be followed for their communities.
- Adopt the plan.
- Implement the plan and monitor its progress.

This organizational structure was successfully implemented for the County's initial plan development and is maintained for plan updates.

Initial Steps for the Planning Team

The mitigation planning process generally includes a series of meetings or work sessions. For example, the first meeting of the planning team, or the plan kickoff meeting, may focus on introducing team members, describing the overall purpose of the plan, defining the team's responsibilities, validating the project scope and schedule, and brainstorming who else should be involved in the planning process. Some suggested outcomes of a planning team kickoff meeting are the following:

1. Confirm plan purpose

The planning team may start by agreeing on the overall purpose of the planning process and the outcome that the community seeks to accomplish as the plan is implemented. Some communities develop a mission statement that drives the process and describes in a short, simple statement the intended outcome. This helps unite the planning team around a common purpose and provides a foundation for the rest of the planning process. This also helps



Mission Statements

Create a disaster resilient Marion County (Marion County, Oregon Natural Hazards Mitigation Plan).

Through partnerships and careful planning, identify and reduce the vulnerability to natural hazards in order to protect the health, safety, quality of life, environment, and economy of the communities within Somerset County (Somerset County, New Jersey All Hazards Mitigation Plan).

to communicate the reason for the plan to stakeholders, elected officials, and the public. If you received a mitigation planning grant from FEMA, the grant may include language regarding the overall purpose of the plan that could be incorporated. The plan's scope of work often includes more information on the background and objectives of the planning project, as well.

2. Review the current mitigation plan

If updating your mitigation plan, a general review of your community's previously approved plan can provide a good starting point for identifying ideas for improvement and areas that may require more time and resources. This can impact the plan's scope and schedule.



3. Refine plan scope and schedule

The kickoff meeting is a good time for the planning team to agree upon the overall scope of work and schedule for developing or updating the mitigation plan and review the requirements of a hazard mitigation plan for FEMA approval. If you received a grant to develop the plan, the scope of work and schedule may already be developed, or the grant may serve as the starting point for a more detailed work plan. It is important that everyone walks away from the kickoff meeting with an understanding of the overall project purpose, schedule, and tasks, as well as the agendas and goals for future planning team meetings. The remaining tasks in this *Handbook* can help you to establish a schedule and agenda items for future meetings. A sample schedule is also available in Appendix A (see Worksheet 2.2).

4. Establish responsibilities

The planning team can establish roles and responsibilities at the beginning of the planning process. The planning team members should have a clear understanding of their roles and responsibilities, as well as how much time they may need to dedicate to the project. This can help you to identify any potential gaps or shortfalls in resources needed to complete the mitigation plan early in the planning process.

5. Develop an outreach strategy

One critical task of the planning team is determining who else needs to be involved in the mitigation planning process and how. An outreach strategy identifies the stakeholder groups that are important to involve in the process and how to engage them. The planning team also develops ideas for how to involve the general public in the planning process. *Task 3 – Create an Outreach Strategy* describes how to develop a comprehensive approach to engaging stakeholders and the public in the mitigation planning process.



Planning Team Responsibilities

Wilson County, Kansas Hazard Mitigation Planning Committee (2008)

- Provide facilities for meetings
- Attend meetings
- Collect data
- Manage administrative details
- Make decisions on plan process and content
- Submit mitigation action implementation worksheets
- Review drafts
- Coordinate and assist with public involvement and plan adoptions

REGION 2 HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Steering Committee Meeting #1

August 9, 2017 ~ 10:00 am

Sign In Sheet

	Name	Affiliation	Email
1.	LARRY L. STUTLER	LINCOLN EDA	LARRY@LINCOLNEDA.COM
2.	JACK BARKER	Cabell County Commission	jbarker@cabellcounty.org
3.	Roger E. Bryant	Logan Co. OEM	rbryant@leasa.org
4.	Ray Perry	Logan County Commission	rperry@lccwv.us
5.	RICK HELTON	Lincoln County Floodplain Manager	rickhelton@lincolncountywv.org
6.	JAMES COOPER	WAYNE COUNTY OEM	jcooper@WAYNE911.COM
7.	Stephen Brown	Wayne Co Floodplain	sbrown@waynecountywv.com
8.	Francis Holton	Lincoln County OES	Fwholton@zoom, Email
9.	GREG FULLER	WV DHS EM - Reg 6	gregory.M.fuller@wv.gov
10.	Sherry Wilkins	Huntington Stormwater Utility	sherry.wilkins@huntingtonswu.com
11.	DEANIS ZIMMERMAN	MASON CO OES	dzimmerman@masoncountyoes.com
12.	Scott Donley	Mason CO EMA	Sdonley@masoncountyoes.com
13.	Matthew Gregg	Mason Co OES	mgregg@masoncountyoes.com
14.	Jerry L. Beckett	Cabell County OES	jerry.beckett@ccems.org
15.	Gordon Merry	Cabell Co. OES	Gordon.Merry@ccems.org
16.	Chris Chiles	Region 2 ADC	cchiles@kyovaipec.org

REGION 2 HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Steering Committee Meeting #1

August 9, 2017 ~ 10:00 am

Sign In Sheet

	Name	Affiliation	Email
17.	Kathy Elliott	Region 2 PDC	kelliott@region2pdc.org
18.	JEFFERY HARVEY	JH CONSULTING, LLC	jharvey@jhpreparedness.com
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			



**REGION 2
HAZARD MITIGATION PLAN
2017 UPDATE**

Region 2 PDC Offices
August 9, 2017
11:00 am
400 Third Avenue
Huntington, WV 25712




WELCOME AND INTRODUCTIONS




AGENDA


- Overview of Hazard Mitigation and the Planning Process
- Hazard Review
- Tasks
- Public Outreach & Engagement
- Meeting Schedule
- Q & A



OVERVIEW OF HAZARD MITIGATION AND THE PLANNING PROCESS
What is hazard mitigation?

Federal Emergency Management Agency (FEMA):


- oversees the hazard mitigation process at the local, regional, state, and national levels, and
- defines mitigation as, "the effort to reduce loss of life and property by lessening the impact of disasters" (FEMA.gov, 2016).



OVERVIEW OF HAZARD MITIGATION AND THE PLANNING PROCESS
The Hazard Mitigation Plan


The Hazard Mitigation Plan

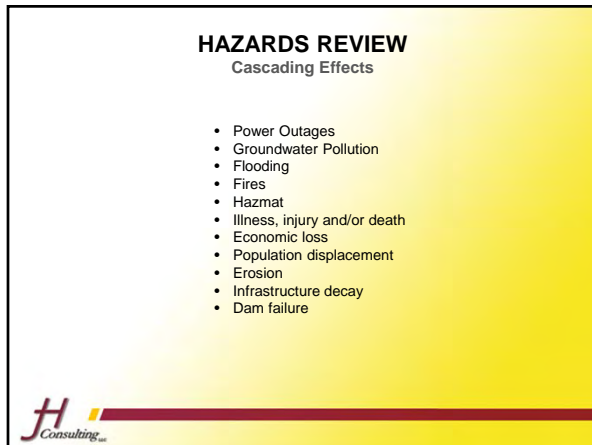
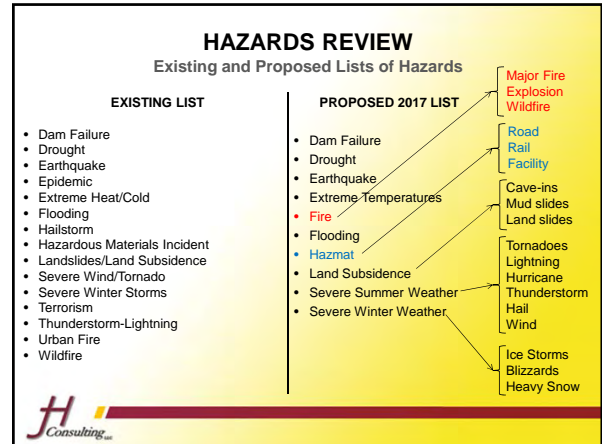
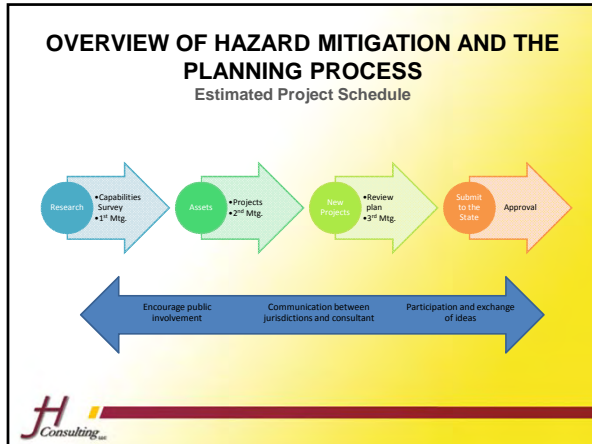
- Planning Process
- Description of the planning area
- Risk Assessment
 - Hazard profiles
 - Assets inventory
 - Development trends
- Action plan
 - Goals
 - Strategies (projects)
- Plan maintenance
- Appendices



OVERVIEW OF HAZARD MITIGATION AND THE PLANNING PROCESS
Steering Committee Roles & Responsibilities

- Committee Review – Will need to meet regularly to work through the document in order to complete the timeline.
- Additional contact with committee members will be made by phone, through email, and teleconferences as needed.
- Committee members will be asked to complete tasks specific to their jurisdiction.
- JHC planning staff will be primarily responsible for research and document drafting.

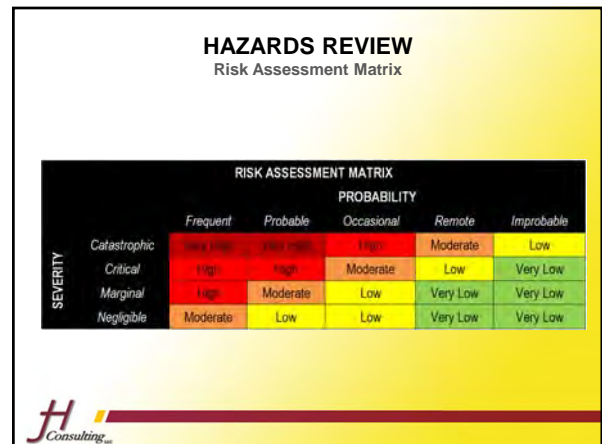
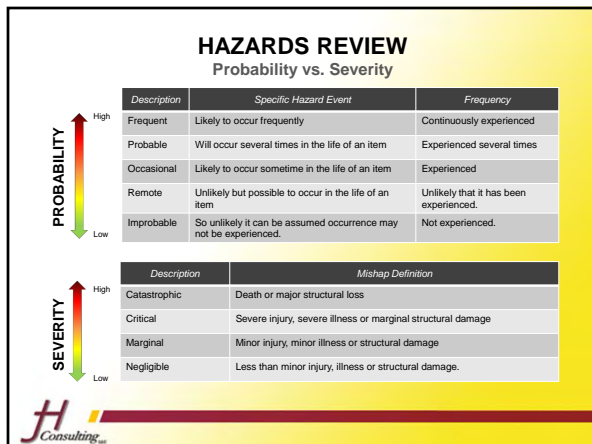




HAZARDS REVIEW

Historical Occurrences


Event	# of Events	Deaths	Injuries	Damage
Extreme Temperatures	265	0	0	\$955,000
Cold	141	0	0	\$955,000
Heat	124	0	0	\$0
Drought	0	0	0	\$0
Flooding (incl. flash flood)	249	13	1	\$109,565,000
Land Subsidence	1	0	0	\$15,000
Winter Weather	193	1	0	\$5,130,000
Severe Summer Weather	537	4	7	\$6,532,000
Tornado	21	0	4	\$3,216,500
Lightning	10	0	3	\$135,000
Hail	355	0	0	\$2,352,500
Heavy rain	71	4	0	\$482,000
Wind	80	0	0	\$346,000
Wildfire	8	1	0	\$13,000
Total	1,253	19	8	\$122,210,000



TASKS
Capabilities Assessment


You will receive an online survey by email. This survey asks you about your jurisdiction's:

- rules and regulations regarding floodplain, zoning, and building codes,
- comprehensive plans.
- participation in the NFIP, and
- available capital and public works budget.



TASKS
Asset Inventories


- Need to update the Asset Inventory included in the plan.
 - Critical Facilities
 - Vulnerable Populations (e.g., schools, nursing homes, etc.)
 - Economic Assets (i.e., discuss thresholds)
 - Historical Considerations
 - Special Considerations
- Note the following for each:
 - Name of facility
 - Address (for mapping)
 - Type of facility



PUBLIC OUTREACH & ENGAGEMENT
Meetings and Online Survey


Public input is required per FEMA, and can be obtained in multiple ways.

- Meetings for the public to comment on the process.
- Copies of the plan at government offices/libraries for review and comment.
- Online surveys.
 - Social media presence is very important for these surveys to be successful.



Q & A

THANK YOU!



TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Roger E. Bryant

Jurisdiction: Logan Co OEm

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: <u>2/1971?</u> Location: <u>72</u>	<u>Buffalo Creek</u>
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: 2006 Location: 2012 <u>EARLY 2000</u>	<u>Frequent Fires</u> <u>Wild Fires were so bad in Southern WV we considered closing the hospital</u>
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: <u>2006</u> Location: <u>2012</u> <u>Logan County</u>	<u>Frequent Flooding</u>
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

2006 I think?

Land Subsidence Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: 2
Location: GARRETT'S FISH FOUNDATION, HOUSE KNOCKED OFF FOUNDATION + DESTROYED BY HOGAN COUNTY LAND SLIDE.

Severe Summer Weather Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date:
Location:

Severe Winter Weather Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date:
Location:

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date:
Location:

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date:
Location:

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date:
Location:

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date:
Location:

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Jack Barken

Jurisdiction: Cabell County

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: July 2014 Approx Location: Cabell County Courthouse Huntington KY	A mild earthquake occurred and could be felt in the Courthouse - Desk, Shalk - Building moved, some cracks in marble
Extreme Temperatures	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Land Subsidence
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Severe Summer Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: June 2014
Location: TRI STATE AREA
Approx 6:00 PM Friday a
Derech Storm Coupled with
Area Strong Winds - Power
Outages.

Severe Winter Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Jerry L. Beckett

Jurisdiction: Cabell County OES

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	<i>Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.</i>
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: <u>June/July 2017</u> Location: <u>Enslow Park Huntington Green Valley</u>	<u>Last year a flash flood occurred in Cabell County resulting in one death & several homes damaged. Flash flooding is a frequent occurrence.</u>
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Land Subsidence

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Severe Summer Weather

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: *June 2012*
Location: *Almost the entire State*

A Dripchee occurred causing trees down streets blocked Building Damage, and power outages This went on for approx. 1 week

Severe Winter Weather

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned

Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: LARRY STUTLER

Jurisdiction: Lincoln Co.

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	<i>Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.</i>
Dam Failure	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: 2004 Location: DUVAL LINCOLN CO.	DUVAL HS FLOODED STUDENTS STRANDED
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: VARIOUS Location: LINCOLN CO.	BRIDGES WASHED OUT SLIPS ON NARROW ROADWAYS

Land Subsidence

Not Concerned

Somewhat Concerned

Concerned

Very Concerned

Date: _____

Location: _____

Severe Summer Weather

Not Concerned

Somewhat Concerned

Concerned

Very Concerned

Date: _____

Location: _____

Severe Winter Weather

Not Concerned

Somewhat Concerned

Concerned

Very Concerned

Date: _____

Location: _____

Epidemic

Not Concerned

Somewhat Concerned

Concerned

Very Concerned

Date: _____

Location: _____

Substance Abuse

Not Concerned

Somewhat Concerned

Concerned

Very Concerned

Date: _____

Location: _____

Not Concerned

Somewhat Concerned

Concerned

Very Concerned

Date: _____

Location: _____

Not Concerned

Somewhat Concerned

Concerned

Very Concerned

Date: _____

Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Ray Perry

Jurisdiction: Logan County

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	<i>Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.</i>
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Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: June 25 Location: Various	Approx. 800 year flood event Caused by a 1000 year flood rain event
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Land Subsidence
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Severe Summer Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Severe Winter Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: 2/2013
Location: Logan Co.
14" Snow followed by rain causing power outages and flooding

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Rick Helton

Jurisdiction: Lincoln Co Floodplain

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	<i>Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.</i>
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>* Upper Mud River Dam (Flood Control)</u> <u>* RD Bailey Dam (Flood Control)</u>
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>Especially during Drought Conditions</u>
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: <u>2015 & 2016</u> Location: <u>Lincoln County (overall)</u> <u>Lincoln County Bulverde</u>	_____ _____ _____
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>Met Labs, Oil/Gas Transmission (Truck/Pipeline)</u>

Land Subsidence Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Severe Summer Weather Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Severe Winter Weather Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Handwritten notes in blue ink at the bottom of the page, including "Date = 8/10" and "Project - Soil..."

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Sherry Wilkins

Jurisdiction: Huntington Stormwater Utility

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Possible Floodwall Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: 2015 Location: Huntington - 11 miles of floodwall/Levee	Always a concern when the Ohio River is in flood. Problems are outdated equipment, lack of adequate staff & resources.
Drought	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	usually once per year. Date: Location: Various Locations Across town.	Residents homes get flooded during heavy, sustained rainfall. The Utility gets sued at least once per year due to houses being flooded or damaged.
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	_____ _____ _____

Land Subsidence
Land slide on hillside

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date: ongoing
Location: City of Huntington

Slope instability threatened a condo bldg.
Utility is currently spending over \$1 mil to stabilize the hillside.

Severe Summer Weather

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

Severe Winter Weather

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
Location:

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: DENNIS ZIMMERMAN

Jurisdiction: MASCOB OES

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	<i>Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.</i>
Dam Failure	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Land Subsidence Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Severe Summer Weather Not Concerned Somewhat Concerned Concerned Very Concerned
Date: Jun. 2012 DERECHO WIND STORM
Location: 97% OF RESIDENCE & BUSINESS WITHOUT POWER. FOR 7-21 DAYS CIKR INCLUDED.

Severe Winter Weather Not Concerned Somewhat Concerned Concerned Very Concerned
Date: ICE STORM 2003 EXTENDED
Location: POWER OUTAGE ROADS IMPASSABLE COMMERCE CAME TO HALT DURATION - @ 1 WEEK.

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Matt Gregg

Jurisdiction: Mason OES

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: June 2012	7-14 days with out food, fuel, water, electric, facebook, cell service, internet, etc. Several shelters, lack of mass communications due to several days of temps over 100°
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

	<input type="checkbox"/> Not Concerned	Date:	
Land Subsidence	<input checked="" type="checkbox"/> Somewhat Concerned	Location:	
	<input type="checkbox"/> Concerned		
	<input type="checkbox"/> Very Concerned		
	<input type="checkbox"/> Not Concerned	Date:	
Severe Summer Weather	<input type="checkbox"/> Somewhat Concerned	Location:	
	<input type="checkbox"/> Concerned		
	<input checked="" type="checkbox"/> Very Concerned		
	<input type="checkbox"/> Not Concerned	Date:	
Severe Winter Weather	<input type="checkbox"/> Somewhat Concerned	Date: <i>Winter 2003</i>	<i>Ice storm of 2003. Several days w/o electric, 0-10 degree day temperatures. Several main roads closed. No stores, mass comm. for a while.</i>
	<input type="checkbox"/> Concerned	Location:	
	<input checked="" type="checkbox"/> Very Concerned		
	<input type="checkbox"/> Not Concerned	Date:	
	<input type="checkbox"/> Somewhat Concerned	Location:	
	<input type="checkbox"/> Concerned		
	<input type="checkbox"/> Very Concerned		
	<input type="checkbox"/> Not Concerned	Date:	
	<input type="checkbox"/> Somewhat Concerned	Location:	
	<input type="checkbox"/> Concerned		
	<input type="checkbox"/> Very Concerned		
	<input type="checkbox"/> Not Concerned	Date:	
	<input type="checkbox"/> Somewhat Concerned	Location:	
	<input type="checkbox"/> Concerned		
	<input type="checkbox"/> Very Concerned		
	<input type="checkbox"/> Not Concerned	Date:	
	<input type="checkbox"/> Somewhat Concerned	Location:	
	<input type="checkbox"/> Concerned		
	<input type="checkbox"/> Very Concerned		

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Scott Donley

Jurisdiction: Mason CO OES

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	<i>Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.</i>
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Land Subsidence	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date:	
		Location:	
Severe Summer Weather	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: June 29th 2012	10-14 days no power, fuel, clean water for public, then OES ran by itself for few days with out assistance. local fire depts ems OES EMA worked together along with national guard to bring in ice and bottled water
		Location:	
Severe Winter Weather	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date:	Ice storm 10-20 days public out of power and heavy snows. OES worked with other county agencies to get resources to help the public.
		Location:	
	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date:	
		Location:	
	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date:	
		Location:	
	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date:	
		Location:	
	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date:	
		Location:	

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Francis Holton

Jurisdiction: _____

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	<i>Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.</i>
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: <i>Several times over past years</i> Location: <i>Whole county</i>	<i>Flash flooding several times over past years. Damage to homes and public property.</i>
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Land Subsidence
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Severe Summer Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: June 29 2017
Location: Perichio event, power outages for more than a week, hot extremely temperatures of 95°F and high humidity event was widespread which caused more issues with resource availability

Severe Winter Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: _____

Jurisdiction: WAYLE COUNTY

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	Possible FAILURE of EAST LYNN OF THE BEECH FORK FLOOD CONTROL PROJECTS
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	Concerned for Effects THAT FARMER may encounter due to DROUGHT
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: CERENO	Industrial fire AT America NATURAL RUBBER with INDUSTRIAL RUBBER + SOLVENTS
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: MARCH 16 Location: 12 POINTE Ck WATERBED	FLOODING OF THE 12 POINTE WATERBED WHEN HEAVY RAIN OCCURS
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: OCT 2004 Location: WESTMORDE HUNTINGTON.	LARGE SPILL of Petroleum Products in the High Population Area OF City of HUNTINGTON (WAYLE COUNTY)

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Land Subsidence

Date: Spring 2015
 Location: Grand
 Highway Drive
 Hartsdale Spring Val

Hard slide cases by rainfall & also
 clearing of brush effects hard & creek

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Severe Summer Weather

Date: Spring 2012
 Location: Kiahaske
 Mine Co

Tornado in southern white coal
 from the town of Fort Gay into
 Union TN to Kiahaske AR near London Co

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Severe Winter Weather

Date:
 Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
 Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
 Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
 Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
 Location:

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: S. Brown

Jurisdiction: Wayne Co

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	<i>Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.</i>
Dam Failure	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: <u>9/16 + 3/16</u> Location: <u>Wayne Co</u>	<u>Flood waters caused closure of East Lynn and Beech Fork campgrounds</u>
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Land Subsidence
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Severe Summer Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: *Sept 12, 2012*
Location: *Wayne Co*
Tornado damage
Hiatesville, WV

Severe Winter Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Handwritten notes at the bottom of the page, including "Sept 12, 2012" and "Wayne Co".

REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting

Risk Assessment Matrix Exercise

Name: Jack Barker

Agency/Municipality/Other: Cabell County Commission - Flood Administrator

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic				Epidemic Dam Failure	
	Critical		Winter Weather Summer Weather	Summer Weather Land Subsidence Hazard Flooding Fire	Flood	
	Marginal			Extreme Temp. Drought	Earthquake	
	Negligible					

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Gondow Merry

Agency/Municipality/Other: Cabell Co OES

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic	Drugs Flooding				
	Critical	Fire				
	Marginal	Heat Temps Summer Cold		Drought Hazmat Land Sub.	Dams Earthquake	
	Negligible					

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Jerry L. Beckett

Agency/Municipality/Other: Cabell County OES

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic	Drug Abuse Floods				
	Critical	Fire				
	Marginal	Extreme Temps Extreme Heat Extreme Cold		Drought Haz Mat Land Subsidence Epidemic	Dam Failure Earthquake	
	Negligible					

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
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Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting

Risk Assessment Matrix Exercise

Name: LARRY L. STUTLER

Agency/Municipality/Other: LINCOLN EDA

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic					
	Critical	SUB. ABUSE	FLOODING LANDSUBSIDEN		EPIDEMIC	
	Marginal		FIRE SUMMER SEV. WEATHER WINTER SEVERE WEATH.	EXTREME TEMP.	EARTHQUAKE HAZMAT	
	Negligible			DROUGHT		DAM FAILURE

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
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Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Ray Perry

Agency/Municipality/Other: Logan County Commission

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic	Flooding winter/summer weather	Flooding		DAM FAILURE	
	Critical	Haz mat Fire Flooding	Flooding		Dam Failure	
	Marginal	Drought	Haz mat	Extreme Temp. Earthquake	Earthquake Drought	
	Negligible					

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
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Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: RICK HELTOKI

Agency/Municipality/Other: LINCOLN COUNTY COMMISSION Floodplain Administrator

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic	Flooding		Haz MAT	Dam Failure Earthquake Epidemic	
	Critical	Fire	Drug Abuse	Extreme Temp		
	Marginal					
	Negligible			Drought		

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
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Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

August 9, 2017

REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Sherry Wilkins

Agency/Municipality/Other: Huntington Stormwater Utility

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic			Floodwall failure during Ohio River flooding.	Floodwall failure leading to flooding downtown Huntington.	
	Critical	Street flooding that could lead to marginal or minor structural damage			Land slides - major damages. Hazmat emergency larger spill - impacts sewer system or water supply.	
	Marginal				Hazmat spill, smaller quantity. Land slides - minor damages	
	Negligible					

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
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Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: DENNIS ZIMMERMAN

Agency/Municipality/Other: MASON COUNTY OES

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic		EPIDEMIC	FIRE	FLOODING	
	Critical	FLOODING FIRE SE	HAZMAT SEVERE WINTER WEATHER	HAZMAT		
	Marginal	EXTREME TEMPS SEVERE WEATHERS SUMMER			DAM FAILURE LAND SUBSIDANCE	
	Negligible			EARTHQUAKE	DROUGHT	

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
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Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
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Marginal	Minor injury, minor illness, or minor structural damage
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REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Matt Gregg

Agency/Municipality/Other: Mason OES

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic		Fire			
	Critical	Flooding (Slow + Flash)		Probable Haz - MAT		
	Marginal	Extreme Temperatures		Summer Weather Winter Weathers	Dam Failure	
	Negligible			Earthquake	Drought	

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
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Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
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Marginal	Minor injury, minor illness, or minor structural damage
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REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Scott Donley

Agency/Municipality/Other: Mason CO EMA

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic	F	Fire			
	Critical	Flooding Slow & Flash		Hazmat		
	Marginal	Extreme Temperatures			Dam failure	
	Negligible			Earthquake	Drought	

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
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Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: Francis Holton

Agency/Municipality/Other: Lincoln OES

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic	Flooding Fire	Summer Weather Winter Weather Extreme Temperatures	Hazmat Land Subsidence	Dam failure Epidemic Earthquake ↓	
	Critical			Drought		
	Marginal					
	Negligible					

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
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Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: JAMES Cooper

Agency/Municipality/Other: WAYNE COUNTY GES

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic			TORNADO	DAM FAILURE	
	Critical		HASH FLOODY	EXTREME TEMP $\frac{High}{Low}$		
	Marginal			DROUGHT		
	Negligible					

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
Remote	Unlikely to occur once in a several year period, but possible.
Improbable	So unlikely it can be assumed occurrence will not occur

Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected

REGION 2 HAZARD MITIGATION PLAN UPDATE

August 9, 2017 Steering Committee Meeting
Risk Assessment Matrix Exercise

Name: S Brown

Agency/Municipality/Other: Wayne County Floodplain Admin

Instructions: Please fill out the Risk Assessment Matrix below using the appropriate definitions. Write in where you think each hazard discussed falls in the matrix. More than one hazard may be located in one box. Not every box needs to be filled in.

RISK ASSESSMENT MATRIX		HAZARD PROBABILITY				
		Frequent	Probable	Occasional	Remote	Improbable
HAZARD SEVERITY	Catastrophic	Flood			Dam Fail	
	Critical		Draught Land Sub	Extreme Temps Sev. Wind WX	Hazmat	
	Marginal		Fire Severe Summer WX			
	Negligible			Earthquake		

Hazard Probability Classifications

Description	Specific Hazard Event
Frequent	Likely to occur frequently within a year time span.
Probable	Will likely occur several times over the course of several years
Occasional	Likely to occur once in a several year period.
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Hazard Severity Classifications

Severity Levels	Severity Description
Catastrophic	Death or major structural loss
Critical	Severe injury, severe illness or marginal structural damage
Marginal	Minor injury, minor illness, or minor structural damage
Negligible	Injuries or structural damage are not expected



REGION 2 HAZARD MITIGATION PLAN 2017 UPDATE

Region 2 PDC Board Meeting
October 4, 2017
400 Third Avenue
Huntington, WV 25712




OVERVIEW OF HAZARD MITIGATION AND THE PLANNING PROCESS

What is hazard mitigation?

Federal Emergency Management Agency (FEMA):

- oversees the hazard mitigation process at the local, regional, state, and national levels, and
- defines mitigation as, "the effort to reduce loss of life and property by lessening the impact of disasters" (FEMA.gov, 2016).




OVERVIEW OF HAZARD MITIGATION AND THE PLANNING PROCESS

The Hazard Mitigation Plan

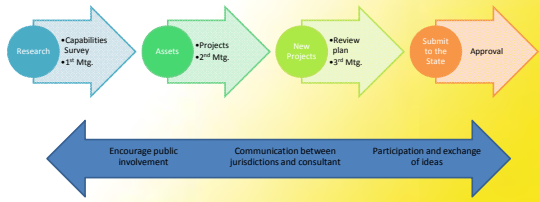

The Hazard Mitigation Plan

- Planning Process
- Description of the planning area
- Risk Assessment
 - Hazard profiles
 - Assets inventory
 - Development trends
- Action plan
 - Goals
 - Strategies (projects)
- Plan maintenance
- Appendices



OVERVIEW OF HAZARD MITIGATION AND THE PLANNING PROCESS


Estimated Project Schedule

HAZARDS REVIEW

Existing and Proposed Lists of Hazards


<p>EXISTING LIST</p> <ul style="list-style-type: none"> • Dam Failure • Drought • Earthquake • Epidemic • Extreme Heat/Cold • Flooding • Hailstorm • Hazardous Materials Incident • Landslides/Land Subsidence • Severe Wind/Tornado • Severe Winter Storms • Terrorism • Thunderstorm-Lightning • Urban Fire • Wildfire 	<p>PROPOSED 2017 LIST</p> <ul style="list-style-type: none"> • Dam Failure • Drought • Earthquake • Extreme Temperatures • Fire • Flooding • Hazmat • Land Subsidence • Severe Summer Weather • Severe Winter Weather 	<ul style="list-style-type: none"> Major Fire Explosion Wildfire Road Rail Facility Cave-ins Mud slides Land slides Tornadoes Lightning Hurricane Thunderstorm Hail Wind Ice Storms Blizzards Heavy Snow
--	--	--



HAZARDS REVIEW

Cascading Effects

- Power Outages
- Groundwater Pollution
- Flooding
- Fires
- Hazmat
- Illness, injury and/or death
- Economic loss
- Population displacement
- Erosion
- Infrastructure decay
- Dam failure





REGION 2 PDC HAZARD MITIGATION PLAN UPDATE

WHAT IS MITIGATION?

According to FEMA, which oversees the hazard mitigation process, “mitigation is the effort to reduce loss of life and property by lessening the impact of disasters” (FEMA.gov, 2016). Generally, we think of mitigation as any action that can be taken now (or in the near future) to reduce the impact of a future disaster. These actions are developed into projects during the hazard mitigation planning process, where coordinating agencies are identified, potential costs are estimated, and potential funding sources are identified.

WHY IS PARTICIPATION IN MITIGATION PLANNING IMPORTANT?

1	Local governments have a responsibility to provide for the public safety.
2	There is also a specific regulatory driver for participation. Communities that do not adopt an approved hazard mitigation plan will not be eligible for the following federal funding: Flood Mitigation Assistance (FMA), Hazard Mitigation Grant Program (HMGP), or Pre-Disaster Mitigation (PDM).
3	The mitigation plan contains more than just projects that can be funded by FEMA. By participating, you may realize that other community initiatives, such as storm water management, coastal management, and even some infrastructure projects have hazard mitigation components. As such, by including those in the mitigation plan, you may identify alternate or extra sources of funding for your projects.

ASSET INVENTORY

One major role that local governments play in the process is updating asset inventories. Assets fall into one of the five categories, shown below.

- **Critical Facilities:** Governmental facilities, water/wastewater facilities, emergency services facilities, medical facilities (hospitals/clinics), and transportation infrastructure.
- **Vulnerable Populations:** Schools, nursing homes, and senior centers.
- **Economic Assets:** Large commercial/industrial facilities or large employers not covered in other categories.
- **Special Considerations:** Community outreach facilities, post offices, and libraries.
- **Historical Considerations:** Areas/structures on the National Register of Historic Places.

MITIGATION PROJECTS

For a municipality to be included in the hazard mitigation plan, and thus be eligible for mitigation funding, it must have at least one mitigation project listed in the plan. Projects fall into



one of four categories shown in the table below, from the FEMA *Local Mitigation Planning Handbook*. These projects reduce the risks a community faces from hazards. For example, planning for a response to disaster, while an important aspect of preparedness, is not generally considered a mitigation project.

Category	Description	Examples
Local Plans and Regulations	These actions include government authorities, policies or codes that influence the way land and buildings are developed and built	Comprehensive Plans, Land Use Ordinances, NFIP, Community Rating System, Open Space Preservation, etc.
Structure and Infrastructure Projects	These actions involve modifying existing structures and infrastructure to protect them from a hazard, or remove them from a hazard area. This can also include constructing structures to reduce the impacts of hazards	Acquisitions, elevations, or relocations of structures in flood zones, utility undergrounding, flood walls and retaining walls, culverts, safe rooms, etc.
Natural Systems Protection	These are actions that minimize damage and losses, while also preserving or restoring the functions of natural systems	Sediment and erosion control, stream restoration, forest management, wetland restoration and preservation, etc.
Education and Awareness Programs	These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them.	Radio or television spots, websites with maps and information, presentations to school groups or other organizations, participating in national programs such as StormReady, etc.

The action plan will be generated in two steps. The first is an update, which involves updating the status of the projects listed in the current plan. We will work with your representatives to classify projects according to the following status labels.

- **COMPLETED:** The project, as it is written, has been completed in its entirety. Any reporting and/or paperwork has been closed out
- **DELETED:** The project no longer aligns with local priorities or has been deemed unfeasible/beyond the scope of mitigation. The project is being removed from the plan.
- **DEFERRED:** The project is still a viable project; however, other priorities have forced its consideration to be moved into the future.
- **ON-GOING:** The project has been started; work is currently being completed on the project and it is not anticipated to be done before the date current plan expires.

In addition to this status, we need a brief description of the project. What has been done to date? If it is completed, when was it completed? If the final project was different than written, please explain the difference. If deleting or deferring the project, why? In order to win approval for the hazard mitigation plan, both the WVDHSEM and FEMA expect to see these updates. The second step is the development of new projects. This occurs late in the process, and you may begin thinking about new projects for your jurisdiction.



MITIGATION PROJECT IDEAS

Types of Mitigation Actions

1. Local Planning and Regulations
2. Structure and Infrastructure Projects
3. Natural Systems Protection
4. Education and Awareness Programs

General examples are planning and zoning, floodplain protection, property acquisition and relocation, or public outreach projects.

FLOODING

Local Planning & Regulations: Comprehensive planning and floodplain management can mitigate flooding by influencing development.

- **Objective:** INCORPORATE FLOOD MITIGATION IN LOCAL PLANNING.
 - **Strategy:** Pass and enforce an ordinance that regulates dumping in streams and ditches.

Structure & Infrastructure Projects: Rainwater and snowmelt can cause flooding and erosion in developed areas.

- **Objective:** IMPROVE STORM WATER DRAINAGE SYSTEM CAPACITY.
 - **Strategy:** Require developers to construct on-site retention basins for storm water and as a firefighting water source.

Natural Systems Protection: Natural resources provide floodplain protection, riparian buffers, and other ecosystem services that mitigate flooding.

- **Objective:** PROTECT & RESTORE NATURAL FLOOD MITIGATION FEATURES.
 - **Strategy:** Establish and manage riparian buffers along rivers and streams.

Education & Awareness Programs: Support mitigation by educating property owners regarding options for mitigating their own properties.

- **Objective:** EDUCATE PROPERTY OWNERS ABOUT FLOOD MITIGATION TECHNIQUES.
 - **Strategy:** Educate the public about securing debris, propane tanks, yard items, or stored objects that might otherwise be swept away, damaged, or pose a hazard if picked up and washed away by floodwaters.

SEVERE WEATHER

Local Planning & Regulations: Adopt regulations governing residential construction to prevent wind and other weather damage.

- **Objective:** ADOPT & ENFORCE BUILDING CODES.
 - **Strategy:** Review building codes and structural policies to ensure they are adequate to protect older structures from severe weather damage.

Structure & Infrastructure Projects: Power lines can be protected from the impacts of severe weather.

- **Objective:** PROTECT POWER LINES.
 - **Strategy:** Install redundancies and loop feeds.

Education & Awareness Programs: Support mitigation by lessening impacts to a community's vulnerable populations.

- **Objective:** ASSIST VULNERABLE POPULATIONS.
 - **Strategy:** Identify specific at-risk populations that may be exceptionally vulnerable in the event of long-term power outages.

MULTIPLE HAZARDS

Local Planning & Regulations: Understanding community vulnerability and level of risk is important to identify and prioritize mitigation alternatives.

- **Objective:** ASSESS COMMUNITY RISK.
 - **Strategy:** Develop and maintain a database to track community vulnerability (i.e., exposure in known hazard areas).

Structure & Infrastructure Projects: Lessening damage to structures supports mitigation.

- **Objective:** PROTECT STRUCTURES.
 - **Strategy:** Retrofit fire and police stations to become hazard resistant.

Education & Awareness Programs: Encouraging private mitigation reduces the potential strain on public sources.

- **Objective:** PROMOTE PRIVATE MITIGATION EFFORTS.
 - **Strategy:** Use outreach programs to: (a) advise homeowners of risks to life, health, and safety; (b) facilitate technical assistance programs that address measures citizens can take; or (c) facilitate funding for mitigation measures.

EARTHQUAKE

Local Planning & Regulations: Support mitigation by better understanding and assessing local vulnerability to earthquakes.

- **Objective:** MAP AND ASSESS COMMUNITY VULNERABILITY TO SEISMIC HAZARDS.
 - **Strategy:** Develop an inventory of public and commercial buildings that may be particularly vulnerable to earthquake damage, including pre-1940s homes and homes with cripple wall foundations.

Structure & Infrastructure Projects: Reduce potential damage to critical facilities and infrastructure from future seismic events through structural upgrades.

- **Objective:** PROTECT CRITICAL FACILITIES & INFRASTRUCTURE.
 - **Strategy:** Require bracing of generators, elevators, and other vital equipment at hospitals.

Education & Awareness Programs: Support mitigation through increasing awareness of the hazard.

- **Objective:** INCREASE EARTHQUAKE RISK AWARENESS.
 - **Strategy:** Offer GIS hazard mapping online for residents and design professionals.

LAND SUBSIDENCE

Local Planning & Regulations: Support mitigation by ensuring that development efforts consider the soil conditions of an area.

- **Objective:** MANAGE DEVELOPMENT IN HIGH-RISK AREAS.
 - **Strategy:** Restrict develop in areas with soil that is considered poor or unsuitable for development.

Structure & Infrastructure Projects: To prevent property loss, acquire and demolish or relocate buildings and infrastructure in high-risk areas.

- **Objective:** REMOVE EXISTING STRUCTURES FROM SUBSIDENCE HAZARD AREAS.
 - **Strategy:** Identify and offer buyouts and other incentives for property owners who relocate from subsidence-prone areas.

Education & Awareness Programs: Support mitigation by increasing residents' knowledge of subsidence.

- **Objective:** EDUCATE RESIDENTS ABOUT SUBSIDENCE.
 - **Strategy:** Promote community awareness of subsidence risks and impacts.

DROUGHT

Local Planning & Regulations: Monitoring drought conditions can provide early warning for policymakers and planners to make decisions.

- **Objective:** MONITOR DROUGHT CONDITIONS.
 - **Strategy:** Identify local drought indicators, such as precipitation, temperature, surface water levels, soil moisture, etc. Establish a regular schedule to monitor and report conditions on at least a monthly basis.

Structure & Infrastructure Projects: Improving water supply and delivery systems helps to save water.

- **Objective:** RETROFIT WATER SUPPLY SYSTEMS.
 - **Strategy:** Develop new or upgrade existing water delivery systems to eliminate breaks and leaks.

Natural Systems Protection: Certain landscaping and civil design techniques can encourage a drought-tolerant landscape.

- **Objective:** ENHANCE LANDSCAPING & DESIGN MEASURES.
 - **Strategy:** Use permeable driveways and surfaces to reduce runoff and promote groundwater discharge.

Education & Awareness Programs: Encourage practices that foster soil health and improve soil quality to help increase resiliency and mitigate the impacts of droughts.

- **Objective:** EDUCATE FARMERS ON SOIL & WATER CONSERVATION PRACTICES.
 - **Strategy:** Encourage rotation of crops by growing a series of different types of crops on the same fields every season to reduce soil erosion.

REGION 2 HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Steering Committee Meeting #2

October 6, 2017 ~ 11:00 am

Sign In Sheet

	Name	Affiliation	Email
1.	Gondow Merry	Cabell Co OES / EMS	Gondow.Merry@CCEMS.ORG
2.	Jerry L. Beckett	Cabell Co. OES/EMS	jerry.beckett@ccems.org
3.	Roger E. Bryant	Logan Co. OES/EMS	rbryant@leasa.org
4.	Sherry Wilkins	Huntington Stormwater Utility	sherry.wilkins@huntingtonswu.com
5.	LARRY STATLER	LINCOLN EDA	LARRY@LINCOLNEDA.COM
6.	RICK HELTON	LINCOLN County Floodplain	rickhelton@lincolncountywv.org
7.	Francis Holton	Lincoln OES	frholton_ezoom@mail
8.	GREG FULLER	WV DTSSEM RG	gregory.m.fuller@wv.gov
9.	DENNIS ZIMMERMAN	MASON County OES	DZIMMERMAN@MASONCOUNTYOES.COM
10.	Matthew Gregg	MASON County OES / DTSSEM	mgregg@masoncountyoes.com
11.	Scott Donley	Mason County OES	Sdonley@masoncountyoes.com
12.	Ray Perry	Logan County Commission	rperry@lccwv.us
13.	Stephen Brown	Wayne County Floodplain	sbrown@waynecountywv.org
14.	JEFFERY HARVEY	JH CONSULTING, LLC	jharvey@jhpreparedness.com
15.	Amy Heimberger	JH Consulting	aheimberger@jhpreparedness.com
16.	Chris Chiles	Region 2 PDC	cchiles@region2pdc.org


REGION 2 HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Steering Committee Meeting #2

October 6, 2017 ~ 11:00 am


Sign In Sheet

	Name	Affiliation	Email
17.	Kathy Elliott	Region 2 PDC	kelliott@region2pdc.org
18.			
19.			
20.			
21.			
22.			
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29.			
30.			



**REGION 2
HAZARD MITIGATION PLAN
2017 UPDATE**

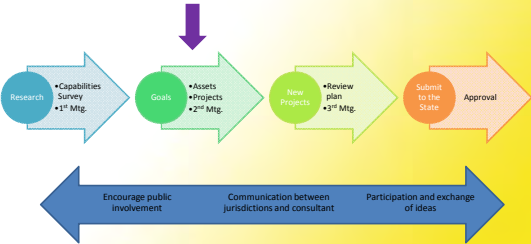

Region 2 PDC Offices
August 9, 2017
11:00 am
400 Third Avenue
Huntington, WV 25712



WELCOME AND INTRODUCTIONS





OVERVIEW OF THE PLANNING PROCESS
Estimated Project Schedule


HAZARDS REVIEW
Lists of Hazards

- Dam Failure
- Drought
- Earthquake
- Extreme Temperatures
- Fire
- Flooding
- Hazmat
- Land Subsidence
- Severe Summer Weather
- Severe Winter Weather



GOALS
2012 Goals


1. Lessen flood related losses throughout region.
2. Reduce the negative effects of severe winter storms throughout the region.
3. Reduce the negative effects of severe thunderstorms throughout the region.
4. Reduce damage from severe wind and tornadoes throughout the region.
5. Lessen the effects of landslides throughout the region.
6. Lessen hail damage throughout the region.
7. Reduce the negative effects of drought throughout the region.
8. Protect the population and forests from wildfire throughout the region.
9. Reduce the negative effects of land subsidence.
10. Reduce the negative effects of landslides throughout the region.
11. Reduce the negative effects of utility failures throughout the region.
12. Protect the general public from the risk of a bomb threat throughout the region.
13. Reduce the negative effects of a communication failure throughout the region.
14. Protect the general public from hazardous material incidents throughout the region.
15. Protect the general public from dam failures throughout the region.
16. Education.



TASKS
Capabilities survey

- Survey completed.
 - Cabell County
 - Lincoln County
 - Logan County
 - Wayne County
 - City of Huntington

www.surveymonkey.com/r/R2Capabilities



TASKS

Asset Inventories

- Need to update the Asset Inventory included in the plan.
 - Critical Facilities
 - Vulnerable Populations
 - Economic Assets
 - Special Considerations
 - Historical Considerations
- You have a list of the assets that were included for your jurisdiction. These were included in the previous plan.
- Make revisions, deletions, and additions.



PUBLIC OUTREACH & ENGAGEMENT

Meetings and Online Survey

Public input is required per FEMA, and can be obtained in multiple ways.

- 2 Online Public surveys – *Share them!*
 - Hazards: <https://www.surveymonkey.com/r/Region2HMP>.
 - Projects
- Presentations/Meetings
 - Governing bodies (city council, county commission, LEPC)
 - Civic associations
- Press releases and media spots



TASKS

Projects Update

- Need to update the existing projects included in the plan.
- Make revisions, deletions, and additions.
 - To your knowledge, what has been done on each one?
 - Is it still a priority?
- New Projects

S – specific
M – measurable
A – achievable
R – realistic
T – time sensitive



THANK YOU!



REGION 2 HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Steering Committee Meeting #3

December 12, 2017 ~ 11:00 am

Sign In Sheet

	Name	Affiliation	Email
1.	DENNIS ZIMMERMAN	MASON Co DITSEM	DZIMMERMAN@MASONCOUNTYOES.COM
2.	JAMES L COOPER	WAYNE COUNTY E-911 OES	JCOOPER@WAYNE911.COM
3.	Francis Holton	Lincoln OES/911	Fwholton@ezcom.net
4.	GREGORY FULLER	WV DITSEM	gregory.m.fuller@wv.gov
5.	Roger E. Bryant	Logan Co. OEM	rbryant@leasa.org
6.	LARRY L. STUTLER	Lincoln EDA	LARRY@LINCOLNEDA.COM
7.	Ray Perry	Logan Co. Commission	rperry@lccwu.us
8.	Jerry L. Beckett	Cabell County EMS/OES	jerry.beckett@ccems.org
9.	JACK BARKER	Cabell County Commission	jbarker@cabellcounty.org
10.	Kathy Elliott	Region 2 PDC	kelliott@region2pdc.org
11.	RICK HERTON	LINCOLN Co Floodplain Administrator	rickherton@lincolncountypwv.org
12.	Doug Goolsby	Mingo Co. NSEM	doug.goolsby@wv.gov
13.	Amanda Starr	Mingo County Floodplain	Amanda_Starr00@hotmail.com
14.	Amy Heimberger	JH Consulting	ahheimberger@jncpreparedness.com
15.	CHRIS CHILES	Region 2 PDC	cchiles@kyovairpc.org
16.			

Things I need plan

NEW MITIGATION PROJECTS FOR THE HAZARD MITIGATION PLAN UPDATE

This worksheet is designed to assist you in identifying mitigation projects that you are currently working on in your jurisdiction or soon will be. Please fill out the sheet completely and as specifically and accurately as possible.

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EXAMPLES OF **PREPAREDNESS** ACTIONS ARE INSTALLING DISASTER WARNING SYSTEMS, PURCHASING RADIO COMMUNICATIONS EQUIPMENT, OR CONDUCTING EMERGENCY RESPONSE TRAINING.

- FEMA, 2013

The following hazards have been identified by the steering committee for your planning area. Please use these as a guide to filling out the worksheet.

- Drought
- Fire
- Dam Failure
- Summer Weather
- Ex. Temperatures
- Hazmat
- Opioid Epidemic
- Winter Weather
- Flood
- Land Subsidence
- Acts of Violence

For project ideas, refer to FEMA's *Mitigation Ideas: A resource for reducing risk to natural hazards* document available online.

1. What are your hazards of concern? Why do they concern you? What type of impacts or destruction has your county/city/town experienced because of it? Please complete the table below. Use as many spaces as you need.

Hazard of Concern	Reasons for Concern	Impacts or Destruction from Hazard
a. Ex. Flood	Ex. The storm sewers back up causing flooding throughout the town.	Ex. Main St. floods every time it rains for over two hours and causes the street to be closed to traffic. Businesses are impacted by the loss in revenue from the lack of access.
b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. flood	* Creek come out of banks * Bridges get blocked/damaged due to trees and debris	Water can't drain properly. Roads get blocked
2. Summer Weather	Storms (wind) causing power outage during High temp.	① trees falling on power lines causing outages throughout the county leaving families in the dangerous heat w/o A.C.
3. Summer Weather	Storms (wind) causing trees to fall and block roads and possibly fall on moving cars.	② Trees falling across roads
4. Winter Weather	③ trees Same as summer weather with trees	
5.	falling on power lines.	

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1 st Flood	We have notified different agencies DOT, conservation, dep	Too funding for creek dredging and road repair
2. Summer Weather	locate the problem areas.	Cut the tree branches away from the power lines to prevent them falling on the lines.
3. Summer Weather	locate the problem areas	Have DOT Cut trees that are close to the roads to prevent them from falling
4. Winter Weather	locate the problem areas	Same as 1
5.		

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- Drought
- Fire
- Dam Failure
- Summer Weather
- Ex. Temperatures
- Hazmat
- ~~Opioid Epidemic~~
CRISIS
- Winter Weather
- *Public Health Crisis*
- *Opioid Crisis*
- Flood
- Land Subsidence
- Acts of Violence
- ~~Epidemic~~

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1. What are your hazards of concern? Why do they concern you? What type of impacts or destruction has your county/city/town experienced because of it? Please complete the table below. Use as many spaces as you need.

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b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. Opioid Crisis	This Crisis has is still growing. It continues to overwhelm resources	<ul style="list-style-type: none"> ① Death ② First Responder Burnout ③ Crime continues to rise ④ Family Disruption ⑤ Socio/Economic
2. Haz Mat	With the transport routes in Cabell County (rail, River Vehicle) the possibility of an incident is ever present	<ul style="list-style-type: none"> ① A significant release will tax responders ② Very limited resources to include equipment & personnel
3.		
4.		
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. Opioid Crisis	<ul style="list-style-type: none"> ① Needle give away ② Quick Response Team 	<ul style="list-style-type: none"> ① Endeavor to open more Rehab Centers
2. Haz mat	<ul style="list-style-type: none"> ① Identified & Equipped several shelters ② LEPC sponsors ATEX and FSE every year 	<ul style="list-style-type: none"> ① Apply for grants for training & equipment ② Identified & Equipped number of shelters
3.		
4.		
5.		

Opioid

Flooding

Severe Weather

Act of violence

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- Fire
- Dam Failure
- Summer Weather
- Ex. Temperatures
- Hazmat
- Opioid Epidemic
- Winter Weather
- Flood
- Land Subsidence
- Acts of Violence

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1. What are your hazards of concern? Why do they concern you? What type of impacts or destruction has your county/city/town experienced because of it? Please complete the table below. Use as many spaces as you need.

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b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. Flood	Historical events Topography	mitigation projects mitigation reconstruction mitigation legislation
2. winter weather	Historical Event Topography	Snows present travel hazards resulting in exhausting resources
3. Summer weather	Humidity and High Temps	Heat affects an elderly and children
4.		
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. Flood	Continue mitigation projects and introduce legislation	remove or rebuild RI and SRI properties.
2. Winter Weather	Public outreach for driving, power outages etc.	← same
3. Summer Weather	Same as winter weather except driving	← same
4.		
5.		

Cabell County WV

NEW MITIGATION PROJECTS FOR THE HAZARD MITIGATION PLAN UPDATE

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- Dam Failure
- Summer Weather
- Ex. Temperatures
- Hazmat
- Opioid Epidemic
- Winter Weather
- Flood
- Land Subsidence
- Acts of Violence
- Pandemic

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b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. Flooding	Some areas have Repeated Flood Issues.	Access to help Stopped
2. Acts of Violence	Local Drug Epidemic	Shootings Robbery & Home Invasions.
3.		
4.		
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
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b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. Flooding	Areas Identified	Long term plan would be to turn entire Area to green space.
2. Public Safety Schools, Church & Business	Some Areas Need Exchange	Relax Relax mandating ↓ or long Jail time.
3.		
4.		
5.		

NEW MITIGATION PROJECTS FOR THE HAZARD MITIGATION PLAN UPDATE

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- Fire
- Dam Failure
- Summer Weather
- Ex. Temperatures
- Hazmat
- Opioid Epidemic
- Winter Weather
- Flood
- Land Subsidence
- Acts of Violence

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b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. DAM DZ LEVEE FAILURE		
2. DAM FAILURE FLOOD WALL	FEMA IS THREATENING TO DECERTIFY P.P.L. FLOOD WALL/LEVEES	CHANGE FLOOD MAP FROM X TO "D" FLOOD INS RATE ↑
3. HAZMAT	INCREASE OF HAZMAT BY RAIL/ROAD/RIVER	VARIABLE BY LOCATION/AREA SIZE OF INCIDENT LIFE SAFETY ENVIRONMENT COMMUNITY DISRUPTION
4.		HAZMAT RESPONSE CAPABILITIES IN COUNTY
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1.		
2. DAM/FLOOD LEVEE	ID'D THE ISSUE	WORK WITH ACOE FEMA, CITY OF PLEASANT TO BRING FLOOD WALL INTO COMPLIANCE
3. HAZMAT	ID'D THE ISSUE COMMODITIES FLOW STUDY (ROAD) SARA TIER II REPORTS	FLOW STUDIES RAIL/RIVER. ↑ ACCESS TO TIER II REPORTS TRAINING OF 1ST RESPONDERS. MOV'S EST C REGIONAL ASSETS.
4.		BUILD IN COUNTY CAPABILITIES
5.		

NEW MITIGATION PROJECTS FOR THE HAZARD MITIGATION PLAN UPDATE

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- FEMA, 2013

The following hazards have been identified by the steering committee for your planning area. Please use these as a guide to filling out the worksheet.

- Drought
- Fire
- Dam Failure
- Summer Weather
- Ex. Temperatures
- Hazmat *crisis*
- Opioid Epidemic
- Winter Weather
- Flood
- Land Subsidence
- Acts of Violence
- Epidemic
Public Health

For project ideas, refer to FEMA's *Mitigation Ideas: A resource for reducing risk to natural hazards* document available online.

1. What are your hazards of concern? Why do they concern you? What type of impacts or destruction has your county/city/town experienced because of it? Please complete the table below. Use as many spaces as you need.

Hazard of Concern	Reasons for Concern	Impacts or Destruction from Hazard
a. Ex. Flood	Ex. The storm sewers back up causing flooding throughout the town.	Ex. Main St. floods every time it rains for over two hours and causes the street to be closed to traffic. Businesses are impacted by the loss in revenue from the lack of access.
b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. Flood	Water shedding problem Creeks breaking banks blocked & debris & sediment	High water, not being able to drain properly. leading to trapped residents due to blocked roads.
2. Acts of Violence	the violent tendencies of the recent events nationally.	could be disastrous, due to history, our county residents do not think something like this could happen
3.		
4.		
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. Flood	we have identified the issues, have reached out to conservation DEP.	Need funding & permits to allow for creek re-construction
2. Acts of Violence	Mingo BOE has each school prepare crisis plans to address this	Think need and reach to faith based to promote classes to prepare members to protect their selves during church, mass gatherings
3.		
4.		
5.		

NEW MITIGATION PROJECTS FOR THE HAZARD MITIGATION PLAN UPDATE

This worksheet is designed to assist you in identifying mitigation projects that you are currently working on in your jurisdiction or soon will be. Please fill out the sheet completely and as specifically and accurately as possible.

MITIGATION is “the effort to reduce loss of life and property by lessening the impact of disasters” (FEMA.gov, 2016).

EXAMPLES OF **MITIGATION** ACTIONS ARE PLANNING AND ZONING, FLOODPLAIN PROTECTION, PROPERTY ACQUISITION AND RELOCATION, OR PUBLIC OUTREACH PROJECTS.

EXAMPLES OF **PREPAREDNESS** ACTIONS ARE INSTALLING DISASTER WARNING SYSTEMS, PURCHASING RADIO COMMUNICATIONS EQUIPMENT, OR CONDUCTING EMERGENCY RESPONSE TRAINING.

- FEMA, 2013

The following hazards have been identified by the steering committee for your planning area. Please use these as a guide to filling out the worksheet.

- Drought
- Fire
- Dam Failure
- Summer Weather
- Ex. Temperatures
- Hazmat
- Opioid Epidemic
- Winter Weather
- Flood
- Land Subsidence
- Acts of Violence

For project ideas, refer to FEMA's *Mitigation Ideas: A resource for reducing risk to natural hazards* document available online.

1. What are your hazards of concern? Why do they concern you? What type of impacts or destruction has your county/city/town experienced because of it? Please complete the table below. Use as many spaces as you need.

Hazard of Concern	Reasons for Concern	Impacts or Destruction from Hazard
a. Ex. Flood	Ex. The storm sewers back up causing flooding throughout the town.	Ex. Main St. floods every time it rains for over two hours and causes the street to be closed to traffic. Businesses are impacted by the loss in revenue from the lack of access.
b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. FLOODING SOUTHERN WINDS + COUNTY WINDS	CONSTANT FLOODS OF US ROUTE 152 SOUTH DUNLOW W.V. NON COMPLIANT DRAINAGE FLOOD PRONE AREAS	CLOSURE OF ROADWAY + ISOLATION OF THE COMMUNITY OF DUNLOW FLOOD OF UN PERMITTED HOUSES + STEVENS DUCTS AROUND OF BUILDING AHEAD PILES
2. HAZ MAT RELIN CHEM + RADIOACTIVE MATERIAL	UNCONTROLLED RELEASE OF MATERIAL TO TRAFFIC LIFE + PROPERTY OF RESIDENTS	VARIES BY LOCAL LIMITS AVAILABILITY OF RESOURCES + EQUIPMENT FOR CHEM + RADIOACTIVE MATERIAL
3. DAM FAILURE ON BECK FORD + EAST LYONS DAMS	AGE OF STRUCTURE + LACK OF MAINTENANCE WORK	FLOODING OF THE 12 FOOT VAULTS FOR DAMS TO THE OHIO RIVER CREATING KANSAS LAW AT ALL AREAS BELOW
4.		
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. Flooding	Stricter Permit Process All use of Flood MAAS	Improve + Strengthen The Permit Process
2. HAZ MAT	More Training in the Response to HAZ MAT 130 Chem + Radiologic	ADDITION TRAINING + Purchase of Equipment
3. Dam Failure	PLANNING + EDUCATION of Public (Below The Impound Areas)	SPE Improvement + Operation maintenance of Structures + Flood way
4.		
5.		

NEW MITIGATION PROJECTS FOR THE HAZARD MITIGATION PLAN UPDATE

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EXAMPLES OF **MITIGATION** ACTIONS ARE PLANNING AND ZONING, FLOODPLAIN PROTECTION, PROPERTY ACQUISITION AND RELOCATION, OR PUBLIC OUTREACH PROJECTS.

EXAMPLES OF **PREPAREDNESS** ACTIONS ARE INSTALLING DISASTER WARNING SYSTEMS, PURCHASING RADIO COMMUNICATIONS EQUIPMENT, OR CONDUCTING EMERGENCY RESPONSE TRAINING.

- FEMA, 2013

The following hazards have been identified by the steering committee for your planning area. Please use these as a guide to filling out the worksheet.

- Drought
- Fire
- Dam Failure
- Summer Weather
- Ex. Temperatures
- Hazmat
- Opioid Epidemic
- Winter Weather
- Flood
- Land Subsidence
- Acts of Violence

For project ideas, refer to FEMA’s *Mitigation Ideas: A resource for reducing risk to natural hazards* document available online.

1. What are your hazards of concern? Why do they concern you? What type of impacts or destruction has your county/city/town experienced because of it? Please complete the table below. Use as many spaces as you need.

Hazard of Concern	Reasons for Concern	Impacts or Destruction from Hazard
a. Ex. Flood	Ex. The storm sewers back up causing flooding throughout the town.	Ex. Main St. floods every time it rains for over two hours and causes the street to be closed to traffic. Businesses are impacted by the loss in revenue from the lack of access.
b. Ex. Heavy Snow	Ex. The buildings in our town are very old and may not handle the increased amount of snow we've seen in the recent years.	Ex. Two residences' roofs have collapsed due to the heavy snow load.
1. Flood	-Flash Flooding -Non Compliant Development	Flash Flooding - -Based on rainfall, flooding is sudden, loss immediate, down stream effect grows w/ debris & volume Non Compliant Development - -Institute mandatory, political approval permitting that address all utilities applications, Dept request for work
2. Opioid Crisis	TOLL ON human, financial, public assets) Public perception services solutions	DRAIN ON county funding S&P Law enforcement, jail bill
3.		
4.		
5.		

2. Based on the problems identified in question 1, what has been or will be done to fix them? Each number corresponds to the hazard identified on the previous page.

Hazard of Concern	What Has Been Done	What Will Be Done
a. Ex. Flood	Ex. We have identified the problem areas within the storm water system that need maintenance/rebuilding.	Ex. We will build retention basins in several locations to help with the amount of water reaching the drains.
b. Ex. Heavy Snow	Ex. New construction is now required to address the higher snow loads.	Ex. Any reconstruction of old residences will be required to follow current building code standards to reduce the impacts. We will encourage residents to reinforce their homes.
1. FLOOD	Star Linked permitting Requirements - SERVICE APPS. Better county mapping	More education of public on permitting - flood zone Integration of govt. agencies on need & requirement of permitting
2. Opioid Crisis	AWARENESS, Education Activities, Response to individual cases - fire, police, EMS	Continue current activities, search for New answers.
3.		
4.		
5.		

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

MUNICIPALITY: _____ BARBOURSVILLE _____

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	
c. Does the municipality support request for map updates?	If yes, state how.	Yes	
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	Electronically
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	Public Works
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	Public Works
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	Public Works
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	Public Works
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Public Works

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	No	

3. FLOOD INSURANCE			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	No	
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	No	
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	NO	

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: CABELL COUNTY

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	The West Virginia GIS Flood Tool and in The Office of Grants, Planning & Permits
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	June 16, 2005
c. Does the municipality support request for map updates?	If yes, state how.	Yes	From FEMA and for WV GIS Technical Center (Flood Tool)
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	LOMA
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	The West Virginia GIS Flood Tool
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	Cabell County Commission Office of Grants, Planning & Permits

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	Available at Cabellcounty.org
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	Cabell County Commission Office of Grants, Planning & Permits
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	Cabell County Commission Office of Grants, Planning & Permits
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	Cabell County Commission Office of Grants, Planning & Permits
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	Cabell County Commission Office of Grants, Planning & Permits
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Permit Process-Stop Work Orders- No Electric service or address if not in compliance

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	Yes	<ul style="list-style-type: none"> • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA <p>Freeboard minimum of two feet above BFE</p>

3. FLOOD INSURANCE			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	Yes	We are available in office or by phone. We attend meetings.
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	No	
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	No	

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

MUNICIPALITY: _____ LINCOLN COUNTY

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes, 10/16/13	
c. Does the municipality support request for map updates?	If yes, state how.	Yes	FEMA Region III recently held Map Update Workshop in Lincoln and Wayne Counties for flood map updates request for Lower Guyandotte Watershed and the Twelve Pole Watershed.
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	LOMA, LOMA-F, LOMA-C and LOMA-R approvals/applications
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	Any development requires floodplain determinations(permits) by ordinance
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	Floodplain Management Office

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	Responsible Office is the Lincoln County Commission Floodplain Management Office for parts of the ordinance.
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Routine site visits (announced and unannounced)

2. FLOODPLAIN MANAGEMENT

<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include: <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	Yes	Yes generally. Some items are a work in progress but support the examples.

3. FLOOD INSURANCE

<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	Yes	Community meetings
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	Yes	When FIRM maps change or are new maps, requirement is to publish in the local newspaper.
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	Yes	General information only

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

JURISDICTION: LOGAN COUNTY

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	YES	UPON REQUEST FROM THE PUBLIC THROUGH THE FLOODPLAIN ADMINISTRATORS OFFICE.
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	YES	02/16/08
c. Does the municipality support request for map updates?	If yes, state how.	YES	MAP AMENDMENTS ARE PRIMARILY DONE BY SURVEYORS DURING OBTAINING AN ELEVATION CERTIFICATE.
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	YES	UPON NOTIFICATION OR THROUGH PARTNERING WITH ENGINEERING AND TECHNICAL GROUPS.
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	YES	THROUGH REQUESTED FLOOD DETERMINATION LETTERS
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	YES	LOGAN COUNTY FLOODPLAIN ADMINISTRATORS OFFICE

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	YES	THE COUNTY HAS ADOPTED THE WV STATE MODEL ORDINANCE IN ADDITION IN ADDITION TO THE IBC INCLUDING APPENDIX G
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	YES	THROUGH A STANDARD PRMITTING PROCESS THROUGH THE FLOODPLAIN OFFICE
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	YES	IF ANY PROJECT WOULD OCCUR IT WOULD BE HELD TO THESE STANDARDS
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	YES	THROUGH THE REQUIREMENT OF 2 FEET OF FREEBOARD AND THE MANUFACTURED HOMES STANRDS FOR FLOOD SETS IN THE SFHA.
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	YES	ALL ELEVATION CERTIFICATES ARE RETAINED WITH ALL PERMITS
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	YES	BY FREQUENT VISITS THROUGHOUT THE COUNTY

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	YES	IN THE PROCESS OF BECOMING A CRS COUNTY ALL CRITICAL INFRASTRUCTURE IS PROHIBITED FROM BEING CONSTRUCTED IN THE SFHA.

3. FLOOD INSURANCE			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	YES	
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	YES	
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	YES	

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

MUNICIPALITY: _____ MASON COUNTY _____

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	2013, December
c. Does the municipality support request for map updates?	If yes, state how.	Yes	We use the WV Flood Tool which is up dated often by WV GIS.
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	Anytime there is new data , we pass that information to the State of WV and they pass it to FEMA.
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	Working with surveyors in the area.
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	Mason County DHSEM

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	We do outreach and spot inspections on projects.

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	No	

3. FLOOD INSURANCE			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	No	
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	yes	Using the wv flood tool and information from FEMA
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	no	

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

MUNICIPALITY: CITY OF HUNTINGTON

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	A copy of the FIRM is made available to the community through the Department of Planning and Development office.
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	February 19, 2014
c. Does the municipality support request for map updates?	If yes, state how.	Yes	We are supportive of Letter of Map Amendments where appropriate.
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	As needed, but work closely with the FEMA Region III and state NFIP office regularly.
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	Residents are able to call the Department of Planning and Development with inquiries regarding floodplain determination. We also have a link to the WV Flood Tool on the City's website.
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	Department of Planning and Development.

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.		
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	Department of Planning and Development.
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	Department of Planning and Development.
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	Department of Planning and Development.
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	Department of Planning and Development.
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Department of Planning and Development ensures all new development is compliant with all applicable floodplain regulations. Violations are remediated by the Planning Staff.

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	Yes	Article 1349.E.03 Requires new development to be two feet above the Base Flood Elevation (BFE).

3. FLOOD INSURANCE			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	Yes	Handouts are available to the public. The NFIP is discussed with anyone proposing development in the floodplain. Staff has also met with relators to answer questions about the NFIP.
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	Yes	A letter would be sent to the owner and tenant of the property indicating a change in the FIRM.
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	Yes	The Office of Planning and Development fields all inquiries into floodplain management. For example, our floodplain managers may educate community members in the Letter of Map Amendment (LOMA) process in an effort to reduce insurance costs if the property is safe from the regulatory floodplain.

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

MUNICIPALITY: _____ CITY OF MILTON _____

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	Copies at both City Hall and the Public Library
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	Adopted 2007
c. Does the municipality support request for map updates?	If yes, state how.	Yes	
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	Yes	Provide new data to FEMA contacts in the Charleston office for best advice on how to proceed to federal level.
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	Advise property owners to get an Elevation Certificate to obtain more precise information and contact FEMA on their behalf if needed.
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	Building Inspector & Floodplain Manager

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	Building Inspector & Floodplain Manager
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	Floodplain Manager
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	Floodplain Manager
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	Building Inspector & Floodplain Manager
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Plan review, site visits and personal contact with property owner

2. FLOODPLAIN MANAGEMENT			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	Yes	<p>Implemented a two-foot freeboard requirement in the ordinance</p> <p>Prohibit certain critical structures in the SFHA</p> <p>Prohibit certain types of manufactured homes in the SFHA</p> <p>Monitor storage of chemicals in the SFHA</p> <p>Starting in 2018 the City will participate in the Community Rating System</p>

3. FLOOD INSURANCE			
<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	Yes	Articles in our bi-monthly City Newsletter and utility bill inserts
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	Yes	Articles in our bi-monthly City Newsletter and City Facebook page
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	Yes	FEMA handouts and brochures and person contact with property owners



Jerry Beckett

15 mins · 🌐



The Cabell County Office of Emergency Services is in the process of developing a Regional Pre-Disaster Mitigation Plan. This effort is in conjunction with Wayne, Mason, Lincoln, Logan, and Mingo Counties, JH Associates, and the Region 2 Planning and Development Committee. I ask that as many of you as possible follow this link and complete this very short survey. We need your input to better enable us to develop a plan that takes into consideration the Whole Community rather than just First Responders. Thank you for your help and please share this on your timeline.



Region 2 PDC Hazard Mitigation Survey

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Jerry Beckett

9 hrs •

The Cabell County Office of Emergency Services is in the process of developing a Regional Pre-Disaster Mitigation Plan. This effort is in conjunction with Wayne, Mason, Lincoln, Logan, and Mingo Counties, JH Associates, and the Region 2 Planning and Development Committee. I ask that as many of you as possible follow this link and complete this very short survey. We need your input to better enable us to develop a plan that takes into consideration the Whole Community rather than just First Responders. Thank you for your help and please share this on your timeline.

Region 2 PDC Hazard Mitigation Survey

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13



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Lincoln County WV Emergency Management/911

2 hrs · 🌐

The Lincoln County Office of Emergency Services is in the process of developing a Regional Pre-Disaster Mitigation Plan. This effort is in conjunction with Cabell, Logan, Mason, Mingo and Wayne Counties, JH Associates, and the Region 2 Planning and Development Committee. I ask that as many of you as possible follow this link and complete this very short survey. We need your input to better enable us to develop a plan that takes into consideration the Whole Community rather than just First Responders. The survey takes about 5-10 minutes to do. Thank you for your help and please share this on your timeline.

Region 2 PDC Hazard Mitigation Survey

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SURVEYMONKEY.COM

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Logan County Code Enforcement Division



Posted by Ray Perry

Just now · 🌐

We are close to having our Hazard Mitigation Plan completed. We are asking for your input again in letting us know your thoughts on projects that are addressed by the plan. Please take a few minutes to fill out our online survey. Thank you!

<https://www.surveymonkey.com/r/Region2-2nd>

**Region 2 PDC Hazard Mitigation Survey #2
(Mitigation Actions)**

[surveymonkey.com](https://www.surveymonkey.com)



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Boost Post



Logan County Code Enforcement Division



Posted by Ray Perry



Logan County Abandoned and Dilapidated Structure Program

Posted by Ray Perry

Yesterday at 10:20 PM · 🌐

Please take a moment to complete the following survey pertaining to flooding and hazard mitigation. Thanks in advance for participating.

<https://www.surveymonkey.com/r/Region2HMP>

Region 2 PDC Hazard Mitigation Survey

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Logan County Office of Emergency Management



Posted by Bill Weese

Just now ·

We are close to having our Hazard Mitigation Plan completed. We are asking for your input again in letting us know your thoughts on projects that are addressed by the plan. Please take a few minutes to fill out our online survey. Thank you!

... See More

**Region 2 PDC Hazard Mitigation
Survey #2 (Mitigation Actions)**

surveymonkey.com



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Boost Post





Mason County Division of Homeland Security and Emergency Management

Posted by Matt Gregg Work

3 mins · 🌐

Please take a minute and help Mason County out. There is a survey that we are asking Mason County residents to take that can help us out with getting some critical information.

This is for Mason County WV residents only to take but feel free to share!!!... [See More](#)

www.surveymonkey.com

surveymonkey.com



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Mason County
Division of
Homeland Security
and Emergency
Management

@MasonCountyWVEMA

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Mason County Division of Homeland Security and Emergency Management

24 mins · 🌐

If you live in Mason County or any town in Mason County... please take this short survey!!!

We are close to having our Hazard Mitigation Plan completed. We are asking for your input again in letting us know your thoughts on projects that are addressed by the plan. Please take a few minutes to fill out our online survey. Thank you!

<https://www.surveymonkey.com/r/Region2-2nd>



Region 2 PDC Hazard Mitigation Survey #2 (Mitigation Actions)

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Create your own online survey now with SurveyMonkey's expert certified FREE templates.

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UNDER CONSTRUCTION Region 2 Planning and Development Council

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Elected officials collaborating to achieve optimal administration of planning and development

Economic Documents About Us Hazard Mitigation Plan Officers & Staff



HuntingtonStormwater
@HuntingtonStorm

Huntington WV stormwater program, green infrastructure, smart growth, innovation, urbanism, improving water quality and MS4 news

Huntington, West Virginia

Tweets 2,038 Following 278 Followers 368 Likes 149 Lists 6 Moments 0

Tweets Tweets & replies Media

HuntingtonStormwater @HuntingtonStorm · 36s
@huntingtoncity residents, help us determine perceptions of hazard vulnerability. Take a moment to complete the survey: [surveymonkey.com/r/Region2HMP](https://www.surveymonkey.com/r/Region2HMP) Thanks!

You Retweeted

APPENDIX 3
PUBLIC PARTICIPATION



LOGAN COUNTY HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Public Meeting

November 28, 2017 ~ 12:00 pm

Sign In Sheet

	Name	Affiliation	Email
1.	Roger E. Bryant	Logan County OEM	rbryant@leasa.org
2.	Danny Goody	Logan County Commission	dannygoody@yorkoo.com
3.	Danny Ellis	" " "	
4.	Ladonna Blankenship	Logan County OEM	lblankenship@leasa.org
5.	Lisa Wells	Region 2 Planning & Dev. Council	lwells@region2pdc.org
6.	JP Whitesel	WV DHEM	
7.	Ray Perry	Logan County Commission	rperry@leawv.us
8.	Kelli Elliott	Region 2 PDC	kelliott@region2pdc.org
9.	Amey Heimberger	JH Consulting	aheimberger@jhcpreparedness.com
10.			
11.			
12.			
13.			
14.			
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16.			

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Lincoln County WV Emergency Management/911

Published by Francis Holton [?] · 1 min ·

NOTICE OF PUBLIC MEETING

The Region 2 Planning & Development Council is updating the hazard mitigation plan for Lincoln County. The Lincoln County Local Emergency Planning Committee, will hold a public meeting on November 28, 2017, on the plan as part of its regularly-scheduled meeting in the Lincoln County OES/911 Center located at 911 Marconi Drive, West Hamlin at 7:00 p.m.

The purpose of the meeting is to review updates to the county's hazard mitigation plan. Members of the public will be given the opportunity to comment on the natural and man-made hazards most affecting them.

The Region 2 Hazard Mitigation Plan was last updated in 2012 per federal requirements in Section 322 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as enacted by Section 104 of the Disaster Mitigation Act of 2000.

Boost Post

LINCOLN COUNTY HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Public Meeting - LEPC

November 28, 2017 ~ 7:00 pm
Sign In Sheet

	Name	Affiliation	Email
1.	Amy Heimberger	JH Consulting	aheimberger@jhcpreparedness.com
2.	Kathy Elliott	Region 2 PDC	kelliott@region2pdc.org
3.	Tony Edwards	National Weather Service	tony.edwards@noaa.gov
4.	William Frazier Jr	Guyan River V.F.D	wbilly2jr@adl.com
5.	William Frazier Sr	GRVFD	
6.	Francis Holton	Lincoln OES	Fwholton@zoominternet.net
7.	Rick Helton	Lincoln County floor plain	(Via phone)
8.	Keith Evans	Lincoln Nursing & Rehab	kevansa@amfmwa
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			



Mingo County LEPC

5 mins •



NOTICE OF PUBLIC MEETING

The Region 2 Planning & Development Council is updating the hazard mitigation plan for Mingo County. The Mingo County Local Emergency Planning Committee, will hold a public meeting on November 30, 2017, on the plan as part of its regularly-scheduled meeting at the Williamson Fire Department at 12:00 p.m.

The purpose of the meeting is to review updates to the county's hazard mitigation plan. Members of the public will be given the opportunity to comment on the natural and man-made hazards most affecting them.

The Region 2 Hazard Mitigation Plan was last updated in 2012 per federal requirements in Section 322 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as

Write a comment...



Mingo County Local Emergency Planning Committee

Address

Williamson, WV 25661

Phone (304) XXX-XXXX

AGENDA

Williamson Fire Department

November 30, 2017

12:00 Noon

- I. Call to order
- II. Roll call
- III. Approval of minutes
- IV. Committee Reports
 - a) Drill Committee
 - b) Planning Committee
 - c) By Laws Committee
- V. Old Business
- VI. New Business
- VII. Hazard Mitigation Public Meeting
- VIII. Jeff Harvey – EOP Workshop
- IX. Adjournment

MINGO COUNTY HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Public Meeting - LEPC

November 30, 2017 ~ 12:00 pm

Sign In Sheet

	Name	Affiliation	Email
1.	Terry Cottle	Beech Creek Vol. Fire Dept	Fireman108bc@yahoo.com
2.	Joe Rumore	CHATTAROY Vol. Fire Dept.	_____
3.	John Hall, Jr	East Fork U.F.D.	jhalljr41@yahoo.com
4.	Joey Carey	Williamson F.D., Mingo LEPC	17carey102@yahoo.com
5.	Doug Goolsby	Mingo County NSEM	doug.goolsby@wv.gov
6.	Bryan C. Casto	WVSEMO	Bryan.C.Cast@WV.Gov
7.	Marcella Charles-Casto	Mingo County Schools - MCHS	mcharles@kia.wv.us
8.	HELEN STANLEY	GUYAN CONSERVATION SUPERVISOR - MINGO	helenwheels75@yahoo.com
9.	Amanda Starr, CFM	Mingo Co. Floodplain Manager	Amanda.Starr00@hotmail.com
10.	Anthony K. Blaskewship	Mingo Co Health Dept	anthony.k.blaskewship@wv.gov
11.	Amanda Davis	Williamson Memorial Hospital	amanda.davis3@chs14.net
12.	Stacey Markus	Williamson Memorial Hospital	stacey.markus@hma.com
13.	Lisa Wells	Region 2 Planning Dev. Council	lwells@region2pdc.org
14.	Kathy Elliott	Region 2 PDC	kelliott@region2pdc.org
15.	Branche Riffe	JH Consulting	briffe@jhcpreparedness.com
16.	JEFF HARVEY	JH CONSULTING, LLC	jharvey@jhcpreparedness.com

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Doug Goolsby

Jurisdiction: Williamson

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	Drought is always a concern due to recent climate changes.
Earthquake	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	Mirco County is on a fault line this does cause concern due to recent quakes in VA.
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	Last extreme temps were during dereches
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	wildfire is possible due to wooded areas.
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	levee will be protecting city mostly low lying areas can't do flood
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	Heavy Railroad use w/ US 119 transports Hazmat daily

- Land Subsidence
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date:

Location:

Severe Summer Weather

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

Wind storms cause extensive power outages.

Severe Winter Weather

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

Snow storms cause extensive power outages.

Opioid Epidemic

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

Very concerned O's daily in area.

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:

Location:

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Marcella Charles-Casto / Bryan Casto

Jurisdiction: Town of Matewan

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	Slim possibility of floodwall failure.
Drought	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	Not suffered in recent history - potential is there.
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	Significant variations in temps throughout the year.
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	Downtown buildings - no fire protection features - Wild Area - Urban interface - limited buffer.
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	Although we have a flood plain, areas upstream are exposed. Swift water rescues are an area we need resources.
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	Hazardous Materials travel through our area all the time. Incidents occur minimally - the possibility exists.

Land Subsidence Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Due to the number of coal mines in our area - active and unactive, we have instances of disaster

Severe Summer Weather Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

our local area experiences extreme variations in temperature throughout the year.

Severe Winter Weather Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Power outages - phone outages road conditions are of huge concern - Fires - Heating inadequacies

Opioid Epidemic Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

We are at epidemic levels in our communities - overdoses daily - emergency responders - at risk -

Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Tommy Cottle

Jurisdiction: Beech Creek Vol Fire Dept

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: 2011 Location: Beech Creek	around 2011 power was out for around 8 day
Fire	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: 2009 Location: Beech Creek	Lost 11 Bragas To Family NO way in or out for a day to open some parts of roads
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: 2011 Location: Devon	Had a train leaking gas They thought work up th. Material VFD came present we shut down road for about 1 Hr. everything was ok

- Land Subsidence
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date: 2017
 Location: Head of creek
 Beech creek

Land owner had a big wash out
 on land owner last building on other
 side. Mine owner has work hard
 to help make thank right. But the
 Creeks are so full that water can flow
 right.

- Severe Summer Weather
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date: 2017
 Location: Beech Creek

Most of creek are dry to do to the
 Creeks need clean out.

- Severe Winter Weather
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date:
 Location:

- Opioid Epidemic
- Not Concerned
 - Somewhat Concerned
 - Concerned
 - Very Concerned

Date: 2015
 Location: Beech Creek

Had several people on dead on
 pills.

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
 Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
 Location:

- Not Concerned
- Somewhat Concerned
- Concerned
- Very Concerned

Date:
 Location:

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Amanda Davis

Jurisdiction: unincorporated area (Delbarton area in city limits)

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
	<input type="checkbox"/> Somewhat Concerned		
	<input checked="" type="checkbox"/> Concerned		
	<input type="checkbox"/> Very Concerned		
Dam Failure	<input type="checkbox"/> Not Concerned	Date: _____	<u>Mine properties have slurry dams that have the potential to break</u>
	<input checked="" type="checkbox"/> Somewhat Concerned	Location: _____	
	<input type="checkbox"/> Concerned	_____	
	<input type="checkbox"/> Very Concerned	_____	
Drought	<input checked="" type="checkbox"/> Not Concerned	Date: <u>2</u>	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	
	<input type="checkbox"/> Concerned	_____	
	<input type="checkbox"/> Very Concerned	_____	
Earthquake	<input checked="" type="checkbox"/> Not Concerned	Date: _____	_____
	<input type="checkbox"/> Somewhat Concerned	Location: _____	
	<input type="checkbox"/> Concerned	_____	
	<input type="checkbox"/> Very Concerned	_____	
Extreme Temperatures	<input type="checkbox"/> Not Concerned	Date: <u>2012</u>	<u>In 2012 a derrache moved through and caused a wide-spread power outage - lasting for days</u>
	<input checked="" type="checkbox"/> Somewhat Concerned	Location: <u>different</u>	
	<input type="checkbox"/> Concerned	<u>Areas of county.</u>	
	<input type="checkbox"/> Very Concerned	_____	
Fire	<input type="checkbox"/> Not Concerned	Date: _____	_____
	<input checked="" type="checkbox"/> Somewhat Concerned	Location: _____	
	<input type="checkbox"/> Concerned	_____	
	<input type="checkbox"/> Very Concerned	_____	
Flooding	<input type="checkbox"/> Not Concerned	Date: <u>2002 - 2016</u>	<u>Flooding occurs throughout the county, homes and property were destroyed. In 2004 it flooded every weekend in May.</u>
	<input type="checkbox"/> Somewhat Concerned	Location: <u>different</u>	
	<input type="checkbox"/> Concerned	<u>areas of the</u>	
	<input checked="" type="checkbox"/> Very Concerned	<u>County.</u>	
Hazard Incidents	<input type="checkbox"/> Not Concerned	Date: <u>2006 or 2007</u>	<u>Tanker or truck wrecked on I19 and had a chemical that everyone exposed to needed decon.</u>
	<input type="checkbox"/> Somewhat Concerned	Location: _____	
	<input checked="" type="checkbox"/> Concerned	_____	
	<input type="checkbox"/> Very Concerned	_____	

Land Subsidence Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Severe Summer Weather Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Severe temperatures in either direction - both hot & cold - a lot of people do not have adequate means to protect themselves from the conditions - no heat or no air conditioning or fans

Severe Winter Weather Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

See above

Opioid Epidemic

Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

This is a concern due to the number of people that it concerns - the users of opioids, both legal & illegal; the families of overdose victims mental health issues; families of overdose who that have children - etc

Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: John Hall

Jurisdiction: Outside Corp Limit.

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: 1980's Location: Laurel Lake	up dated several years ago
Drought	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	N/A
Earthquake	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	N/A
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: Location:	during power outage during summer
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: Location:	as fire chief I am very concerned about
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: Location:	Same
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: Location:	Same

Land Subsidence
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____
Same

Severe Summer Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____
Same

Severe Winter Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____
Same

Opioid Epidemic
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____
See attached sheet

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Cabell/Wayne LEPC

Cabell/Wayne Local Planning Committee

750 5th Ave. Suite 300

Huntington, WV 25701

Phone (304) 526-9704

Fax (304) 526-8648

E-mail jbarker@cabellcounty.org

AGENDA

December 5, 2017

Tri-State Fire Academy

4200 Ohio River Rd.

Huntington, WV 25702

1. Call to Order – Jerry Beckett
2. Approval of the October 2017 Minutes
3. Financial Report – Jack Barker, Sec/Treas.
4. Review of all Grants – Jerry Beckett
5. Reports of Standing Sub-Committees:
 - A. Drill Planning Chairman – Pat Simmons
 - B. Sheltering – Karen Hall-Dundas
6. Review of Cabell County Emergency Operations Plan.
7. Jeff Harvey- Post Disaster Mitigation Planning.
8. New Business/Announcements/Requests for Membership
9. Adjournment

December 5, 2017

BALANCE
\$29,686.58

<u>C/W LEPC FUND</u>	<u>Amount</u>	<u>Check #</u>
Interest for August 2017	+1.26	
Interest for September 2017	+1.28	
William Willis Emergency Prep. Conference	-1045.27	677

Total Balance -1042.73

Grand Total \$28,643.85

Commitments:

C/WLEPC

Cabell/Wayne Local Emergency Planning Committee
750 5th Avenue – Suite 300
Huntington, WV 25701
Telephone (304) 526-9704
Fax (304) 526-8648
E-mail – jbarker@cabellcounty.org

MINUTES

October 3, 2017 @ 12:25pm
The Tri-State Fire Academy
Huntington, WV

Members Present:

William Willis, Director Wayne County
Linda Murray, CHHD
Tracey Sebastian, Wayne County Health Department
Shirley Lawson, Past Chair
Chris Steel, Fire Chief Marathon
Tim Watson, Hospice of Huntington
Jodi Johnson, OA II CHHD
Beth Thompson, County Administrator CCC
Mickey Plymale, Vice Chair
Mike Tatum, Cabell County 911
Jack Vital, SMMC
Gordon Merry, Director Cabell Co OEM
Margy Blankenship, Secretary CCEMS
Larry Lake, Tech Mgr.
John Davis, DHESM
Chuck Bennett, WVAHEM
William H. (Skip) Edwards, II, Mgr. HIMG Dialysis
Jeff Hovis, NWS
Mike Davis, CCERC911
Brian M. Noble, Captain CC911
Martin Shelton, Huntington Water Quality Board
Jack Barker, Sec. LEPC

Others Present:

Ryan Vaughn, Community Response Christ Temple Church

The Regular meeting of the C/WLEPC was called to order at 12:25 pm, by Mickey Plymale, Vice Chair.

Approval of Minutes: Mickey Plymale entertained a motion to accept the minutes of the August 2nd 2017 meeting. Shirley Lawson made the motion to accept and Jodi Johnson seconded the motion. The vote was unanimous.

Financial Report: Report was given by Jack Barker, Secretary/Treasurer. Jack Vital moved to accept the report and Bill Willis seconded the motion. The vote was unanimous.

Review of Current Grants: Jerry applied for a SERT grand for \$2,000.00. He submitted the application the third week of July 2017 a week prior to the deadline for submission. This is the only grant that we have pending at this time. All other grants are up to date.

REPORTS OF STANDING SUB-COMMITTEES:

Exercise Planning Committee: Pat Simmons and Todd Childers are not present to give a report on the drill. Chuck Bennett said the AAR is in progress and should be completed soon.

Area Shelter Planning Committee: Karen Hall Dundas is not present. No changes.

New Business: New members.

New Members: William H. (Skip) Edwards II from Cabell Huntington Hospital Dialysis Division and Brian Noble of CCERC would like to become members. Shirley Lawson made the motion to accept. We had several seconds. All in favor. The vote was unanimous. It will go before the Cabell County Commission by resolution for approval.

Motion to adjourn: *There being no further business at this time, Micky Plymale made a motion to Adjourn. The motion was seconded by Gordon Merry. The motion carried. The meeting was adjourned at 12:20pm.*

MEETING SIGN-IN SHEET FOR MEMBERS

C/WLEPC MEETING

Meeting Date: December 5, 2017

Name	Title	Company	Phone	Fax	E-Mail
Tim Watson	Fac. Mnt. Coord.	Hospice of Hunting			
Henry Osborne	MAINT mech	Hospice of Hunt			
Jack Vital	Director of Safety	SMMC			
Harthy Elliott	Deputy Dir.	Region 2 PDC	304/529/3357	304/529/7229	ke Elliott@region2pdc.org
JEFFERY HARVEY	Peep. Div. Mgr.	JH CONSULTING LLC	304-773-1009	304-773-1099	jharvey@jhepreparedness.com
Robin Blakeman	Project Coordinator OVEC	OVEC Ohio Valley Environmental Coalition	304 840 4877		robin@ohvec.org
BRIAN NOBLE	Captain	Cabell 911			
Michael Tatum	Dep. Director	Cabell 911			
Larry Zimmerman	L.T.	Huntington P.D.	304-416-5944		zimmermanahpdwv.com
Greg Gibson	marathon Safety	Marathon			
Chris Steel	Fire Chief	Marathon			
Ryan Vaughn	Community Response	Christ Temple	304-412-0645		rynzmaibox@yahoo.com
Gordon Mery					
Jerry Beckett	CCEMS/OES	LEPC Chair			

non-member

Name	Title	Company	Phone	Fax	E-Mail
Tracey Sost	R.N.	WCHD	272-6761	272-6763	Tracey.us@sost.com
Mickey Plymate		WCHD	272-6761	272-6763	
Fred Herr		A.R.E.S.			
James Coon		WCHD 911			
Bill Wilts		WCHD 911			
Jack Backin	Grants Planning & Permits Commission	Cabell Co Comm.			

WCHD

Save the Date!

Project Status Update Meeting: Incorporation of Green Infrastructure into Hazard Mitigation Planning for the City of Huntington, West Virginia

December 5th, 2017

9:00am-12:30pm- government officials, 5:00pm-7:30pm- public

Location: Cabell County Library
455 9th St, Huntington, WV 25701



These meetings will target stakeholders, local leaders, floodplain managers, and other folks that may have a professional interest in this effort.

These meetings will:

- Provide some brief background on the project
- Briefly discuss the Huntington Case Study
- Discuss the current state of the Region II Hazard Mitigation Plan
- Review the Green Infrastructure GIS Model
- Discuss next steps with those attending



Incorporating of Green Infrastructure in Local Hazard Mitigation Planning Planning for the City of Huntington, West Virginia

December 5th, 2017

9:00am-12:30pm- Government officials / 5:00pm-7:30pm- General public
Cabell County Public Library- 455 9th Street, Huntington, WV 25701

Agenda

Government Officials - Morning Session

- | | |
|---------------|--|
| 09:00 - 09:20 | Welcome and Introductions (Chris Chiles) |
| 09:20 - 09:40 | Overview of Green Infrastructure (Sherry Wilkins) |
| 09:40 - 10:00 | Background of this effort & Silver Jackets (Ken Hendrickson & Steve O'Leary) |
| 10:00 - 10:15 | Update on the current Region II Hazard Mitigation Plan (Chris Chiles) |
| 10:15 - 10:20 | Local Watershed Activity (Tomi Bergstrom) |
| 10:20 - 10:50 | GIS Model Presentation (Ken Hendrickson & Steve O'Leary) |
| 10:50 - 11:00 | Break |
| 11:00 - 11:30 | Next Steps |
| 11:30 - 12:30 | Open Discussion / Questions & Answers |

General Public - Evening Session

- | | |
|---------------|--|
| 05:00 - 05:10 | Welcome and Introductions (Sherry Wilkins) |
| 05:10 - 05:25 | Overview of Green Infrastructure (Sherry Wilkins) |
| 05:25 - 05:40 | Background of this effort & Silver Jackets (Ken Hendrickson & Steve O'Leary) |
| 05:40 - 05:50 | Update on the current Region II Hazard Mitigation Plan |
| 05:50 - 06:00 | Local Watershed Activity (Tomi Bergstrom) |
| 06:00 - 06:30 | GIS Model Presentation (Ken Hendrickson & Steve O'Leary) |
| 06:30 - 07:30 | Open Discussion / Questions & Answers |



Incorporating of Green Infrastructure in Local Hazard Mitigation Planning
Planning for the City of Huntington, West Virginia

December 5th, 2017

Name:	Agency:	Email:	Phone:
Ken Hendrickson	EPA Region 3	hendrickson.Kenneth@epa.gov	215-814-2253
Rebecca Albert	USACE	Rebecca.M.Albert@usace.army.mil	304-399-5143
Jonathan (JD) Whitesel	WV DHSEM	Jonathan., D. Whitesel @ WV.gov	
Keith Lee	CHHD	Keith.A.Lee @ WV.gov	
Mike Browning	MS-Sen. Manchin	michael-browning@manchin.senate.gov	
BOB TROCIK	WATER QUALITY BOARD	BOBTROCIK32@GMAIL.COM	
Tomi Bergstrom	WV DEP	tom.m.bergstrom@wv.gov	304-226-0999
STEVE O'LEARY	USACE	STEPHEN.D.OLBARY@USACE.ARMY.MIL	304 399-5841

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: FRED HERR

Jurisdiction: _____

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>Just recently Buffalo Creek</u> <u>due possibly Blue Stone Dam</u> <u>that could release, could create</u> <u>many problems</u>
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>Loss of water especially</u> <u>those on well water</u>
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>It could occur here ACF</u> <u>we prepared for the worst</u> <u>case of those entered</u>
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>The elderly & impoverished</u>
Fire	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>with Interstate Highway</u> <u>where a rail. Shipment</u> <u>at elevated persons</u>

3/2/10 up.

Land Subsidence Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Severe Summer Weather Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Severe Winter Weather Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Opioid Epidemic Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: R. Blakeman

Jurisdiction: ? I work with citizen groups locally, state wide & regionally

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>Buffalo Creek Disaster (1971?)</u> <u>Cont'd concern because there are hundreds of large earthen dams - similar to Buffalo Creek - located in Southern counties in this state.</u>
Drought	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>Food supply issues</u>
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>Underground injection of fracking waste in this region, and fracking operations themselves, have resulted in increasing seismic activity nationally and regionally, notably near Alton OH / Youngstown, most approx. 3 years ago.</u>
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>We are having more & more extremely hot days every year, thanks to climate change. When the Drought happened several years ago in WV heat related hospital admissions were common (due to extensive power failures)</u>
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>Industrial fires & pipeline explosions - such as the SM-80 explosion near Sizemore approx. 10 years ago. Recent industrial fire in Parkersburg</u>
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>Y pole creek area is most likely concern for re-occurring floods in this area.</u>
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	<u>With activation of pipeline and unconventional Oil & Gas infrastructure developments I am highly concerned about increasing water & air contamination.</u>

One suggestion for mitigation plan:
 Check into getting solar powered generators &/or solar back-up systems for shelters and critical infrastructure (hospitals, etc.)

Land Subsidence Not Concerned Date: _____
 Somewhat Concerned _____
 Concerned Location: _____
 Very Concerned _____

Severe Summer Weather Not Concerned Date: _____
 Somewhat Concerned _____
 Concerned Location: _____
 Very Concerned _____

Severe Winter Weather Not Concerned Date: _____
 Somewhat Concerned _____
 Concerned Location: _____
 Very Concerned _____

Opioid Epidemic Not Concerned Date: _____
 Somewhat Concerned _____
 Concerned Location: _____
 Very Concerned _____

Not Concerned Date: _____
 Somewhat Concerned _____
 Concerned Location: _____
 Very Concerned _____

Not Concerned Date: _____
 Somewhat Concerned _____
 Concerned Location: _____
 Very Concerned _____

Not Concerned Date: _____
 Somewhat Concerned _____
 Concerned Location: _____
 Very Concerned _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Henry Osborne

Jurisdiction: _____

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: 3/97 Location: Hurricane Jose	_____ _____ _____
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input checked="" type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Land Subsidence Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Severe Summer Weather Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Severe Winter Weather Not Concerned Date: 1/77 BLIZZARD predicted, ROAD
 Somewhat Concerned Location: I-64 CONDITIONS FAVORABLE, could
 Concerned NOT TRAVEL AT ALL
 Very Concerned

Opioid Epidemic Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

Not Concerned Date: _____
 Somewhat Concerned Location: _____
 Concerned _____
 Very Concerned _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Jack Vital

Jurisdiction: _____

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	<i>Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.</i>
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: <u>Cobell County,</u>	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Land Subsidence
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Severe Summer Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: 12/5/17 excess heat in the past
Location: Hospital Cabell County cause "cool shelter" to be open & increase of "Shelter Admits".

Severe Winter Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: 12/5/17 + ongoing staffing issues and power
Location: Hospital Cabell County failure issues - standard of care & quality of care -

Opioid Epidemic
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: 12/5/17
Location: Cabell County
The epidemic is putting stresses on public health and is a major contributor to crime in Cabell County.

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: _____

Jurisdiction: Wayne County

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	<i>Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.</i>
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: <u>2016-2017</u> Location: <u>Brush & Woods Fire</u>	<u>No help in combating fires.</u> <u>Residence burning under brush & garden plots. Had escaping fire response from state agencies</u>
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Land Subsidence
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Severe Summer Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: 2017 year
Location: WAYNE Co
Loss of power for some periods of time. Many medical problems as result

Severe Winter Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Opioid Epidemic
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: 2017 year
Location: WAYNE County

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: Mickey Symale

Jurisdiction: Wayne

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.
Dam Failure	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Drought	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: Every year Location: mainly Southern End of Wayne County	Happens every year some are much more serious than the others - or cause more damage
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: Westmoreland Westmoreland	Several years ago a major spill of coal tar oil occurred causing mass evacuation etc

Land Subsidence
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Severe Summer Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: East Lynn Area
Tornado went through this area of Wayne Co
Also @ time? caused major power outages for several days in some areas over a week

Severe Winter Weather
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Opioid Epidemic
 Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: Ongoing
Location: Both Cabell & Wayne Co.
Probably most serious threat right now

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

Not Concerned
 Somewhat Concerned
 Concerned
 Very Concerned
Date: _____
Location: _____

TELL ME A STORY

From the hazards listed below for the hazard mitigation plan update, tell me about a specific problem you've encountered in your jurisdiction relating to at least three of these hazards. Provide the date (year at minimum), location (street name, park name, etc.), and a brief description of what happened and why, and if there was anything that was done about it since it occurred. Use the reverse side of this page if you require more space.

Name: _____

Jurisdiction: Cabell County

Hazard	Level of Concern	Date and Location	Brief Description
Example: Storm Surge	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: August 2014 Location: Coast of South Beach along Ocean Drive between 5th St. and 14th St.	<i>Tropical Storm Enrique caused erosion on South Beach in Miami because of a 10' storm surge. The water reached Ocean Drive and flooded local businesses and swept away cars. After the water receded, recovery took several months and many businesses could not recover. Three people died and dozens were injured; five are still missing. Since then, low impact mitigation strategies have been implemented along the beach to avoid widespread destruction.</i>
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Drought	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Earthquake	<input checked="" type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Extreme Temperatures	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Fire	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Flooding	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input type="checkbox"/> Concerned <input checked="" type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____
Hazmat Incidents	<input type="checkbox"/> Not Concerned <input type="checkbox"/> Somewhat Concerned <input checked="" type="checkbox"/> Concerned <input type="checkbox"/> Very Concerned	Date: _____ Location: _____	_____ _____ _____

Land Subsidence Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Severe Summer Weather Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Severe Winter Weather Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Opioid Epidemic Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____

Not Concerned Somewhat Concerned Concerned Very Concerned
Date: _____
Location: _____



County Commission of Wayne County

P.O. Box 248

Wayne, WV 25570

Phone 304-272-6350 • Fax 304-272-6348

Robert E. Pauley, President • Kenneth R. Adkins, Commissioner • David H. Pennington, Commissioner

NOTICE OF PUBLIC MEETING

The Region 2 Planning & Development Council is updating the hazard mitigation plan for Wayne County. Wayne County will hold a public meeting on Wednesday, December 13, 2017, on the plan in Room 103 of the Wayne County Courthouse, 700 Hendricks Street, Wayne, West Virginia 25570 at 12:00 P.M. (lpt).

The purpose of the meeting is to discuss the county's portion of the hazard mitigation plan. Members of the public will be given the opportunity to comment on the natural and man-made hazards most affecting them.

The Region 2 Hazard Mitigation Plan was last updated in 2012 per federal requirements in Section 322 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as enacted by Section 104 of the Disaster Mitigation Act of 2000.



County Commission of Wayne County

P.O. Box 248

Wayne, WV 25570

Phone 304-272-6350 • Fax 304-272-6348

Robert E. Pasley, President • Kenneth R. Adkins, Commissioner • David H. Pennington, Commissioner

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The Region 2 Planning & Development Council is updating the hazard mitigation plan for Wayne County. Wayne County will hold a public meeting on Wednesday, December 13, 2017, on the plan in Room 103 of the Wayne County Courthouse, 700 Hendricks Street, Wayne, West Virginia 25570 at 12:00 P.M. (lpt).

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The Region 2 Hazard Mitigation Plan was last updated in 2012 per federal requirements in Section 322 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as enacted by Section 104 of the Disaster Mitigation Act of 2000.



***** Notice of Public Meeting *****

Wayne County Hazard Mitigation Plan
Wednesday, December 13, 2017
@ 12:00 PM

WAYNE COUNTY HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Public Meeting

December 13, 2017 ~ 12:00 pm

Sign In Sheet

	Name	Affiliation	Email
1.	Amy Heimberger	JH Consulting	aheimberger@jhconsulting.com
2.	Kathy Elliott	Region 2 PDC	kelliott@region2pdc.org
3.	Lisa Wells	Region 2 PDC	lwells@region2pdc.org
4.	W ^M R. WELLS	WAYNE Co. EM	wow@wells@WAYNE911.com
5.	JAMES Cooper	WAYNE CO EM - 911	
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			



Mason County Division of Homeland Security and Emergency Management shared their **event**.



Sponsored •

JOIN US as we discuss winter storms and other weather-related Hazards in Mason County and what we can do to reduce our risk.

This meeting is part of the Region 2 PDC Hazard Mitigation Plan update of 2017.



WED, DEC 13 AT 5:30 PM

Public Meeting : Regional Hazard Mitigation Meeting

INTERESTED

You like Mason County Division of Homeland...

MASON COUNTY HAZARD MITIGATION PLAN

Hazard Mitigation Plan 2017 Update – Public Meeting

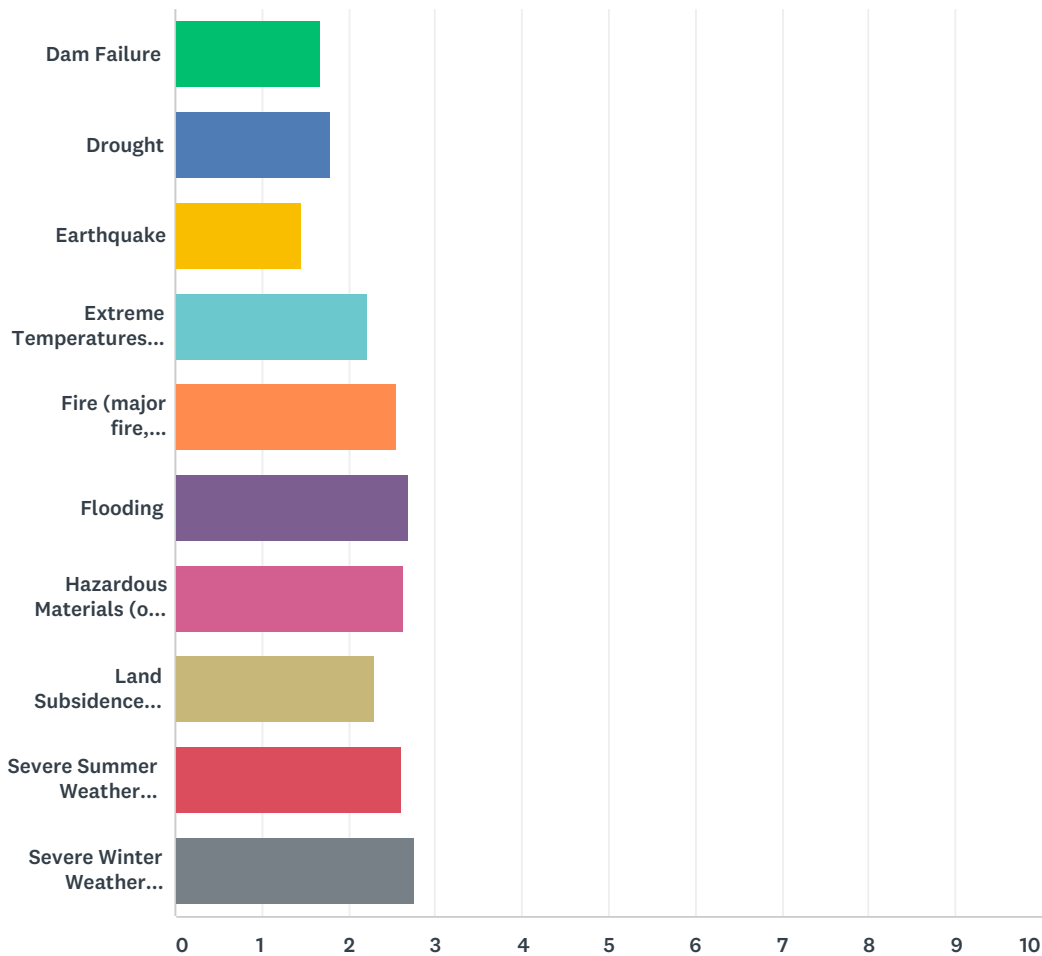
December 13, 2017 ~ 5:30 pm

Sign In Sheet

	Name	Affiliation	Email
1.	DENNIS ZIMMERMAN	Mason County DHS/EM	DZIMMERMAN@MASONCOUNTYDCES.COM
2.	Eric J Tarr	WV Senate	eric@ERICJSTARRWVSENATE.COM
3.	JR SPENCER	Point Pleasant Vol Fire Dept	jrspencer149@gmail.com
4.	Rick Handley	Mason County Commission	rhandley35@yahoo.com
5.	Amy Heimberger	JH Consulting	aheimberger@jhcpreparedness.com
6.	Kathy Elliott	Region 2 PDC	kelliott@region2pdc.org
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			

Q1 Please indicate how concerned you are about the following hazards, specifically where you live.

Answered: 404 Skipped: 0



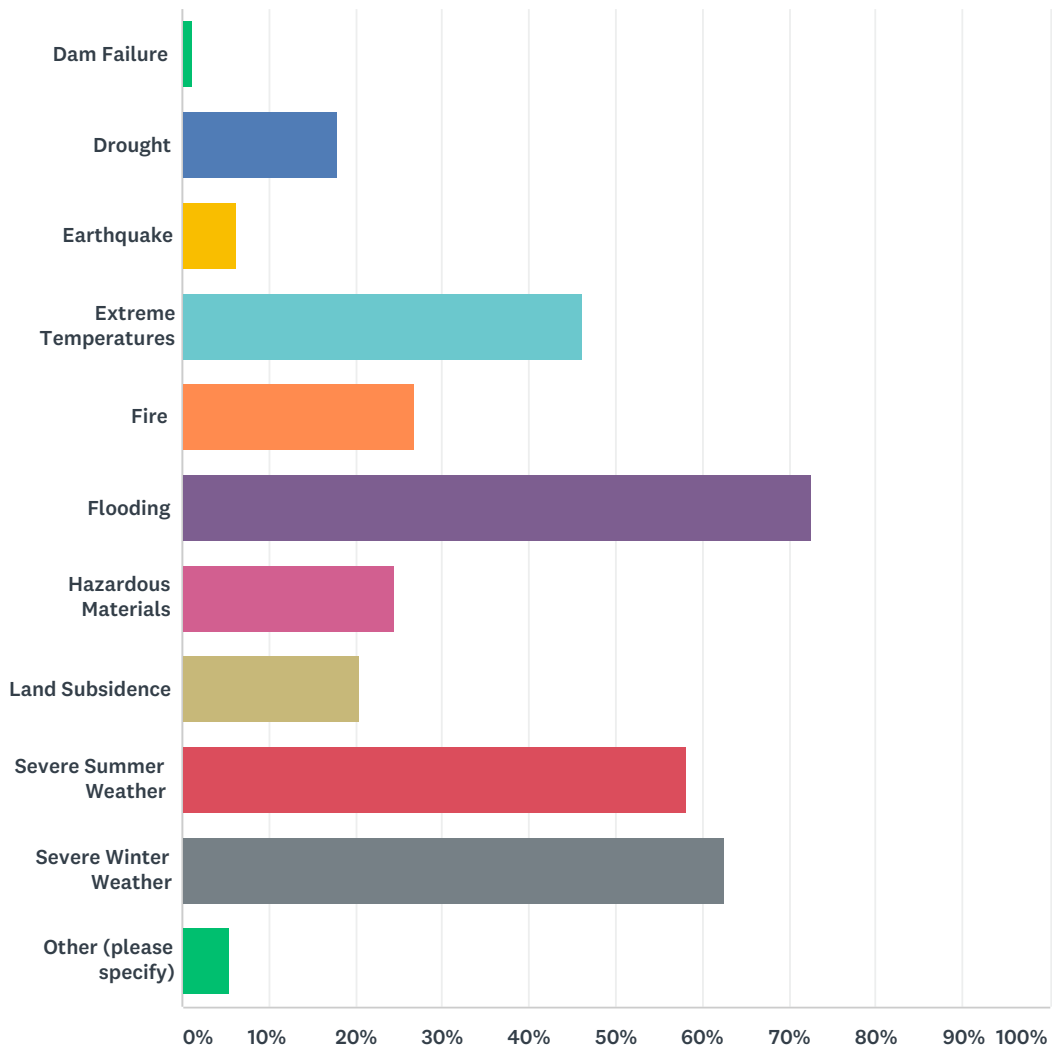
	NOT AT ALL CONCERNED	SOMEWHAT CONCERNED	CONCERNED	VERY CONCERNED	TOTAL	WEIGHTED AVERAGE
Dam Failure	53.73% 216	30.10% 121	10.70% 43	5.47% 22	402	1.68
Drought	40.65% 163	42.14% 169	13.47% 54	3.74% 15	401	1.80
Earthquake	65.59% 263	25.94% 104	5.49% 22	2.99% 12	401	1.46
Extreme Temperatures (hot & cold)	22.94% 92	43.39% 174	23.44% 94	10.22% 41	401	2.21
Fire (major fire, explosion, wildfire)	13.97% 56	35.66% 143	31.67% 127	18.70% 75	401	2.55
Flooding	15.14% 61	27.05% 109	30.52% 123	27.30% 110	403	2.70
Hazardous Materials (on roads, rails or at facilities)	14.18% 57	30.85% 124	32.59% 131	22.39% 90	402	2.63

Region 2 PDC Hazard Mitigation Survey

Land Subsidence (cave-ins, mud slides, land slides)	24.88% 100	36.32% 146	22.89% 92	15.92% 64	402	2.30
Severe Summer Weather (tornadoes, lightning, hurricane, thunderstorm, hail, wind)	8.48% 34	40.40% 162	32.67% 131	18.45% 74	401	2.61
Severe Winter Weather (blizzards, ice storms, heavy snow)	7.00% 28	35.75% 143	31.75% 127	25.50% 102	400	2.76

Q2 In the past 10 years, which hazards do you recall having occurred in your community? (Check all that apply)

Answered: 404 Skipped: 0



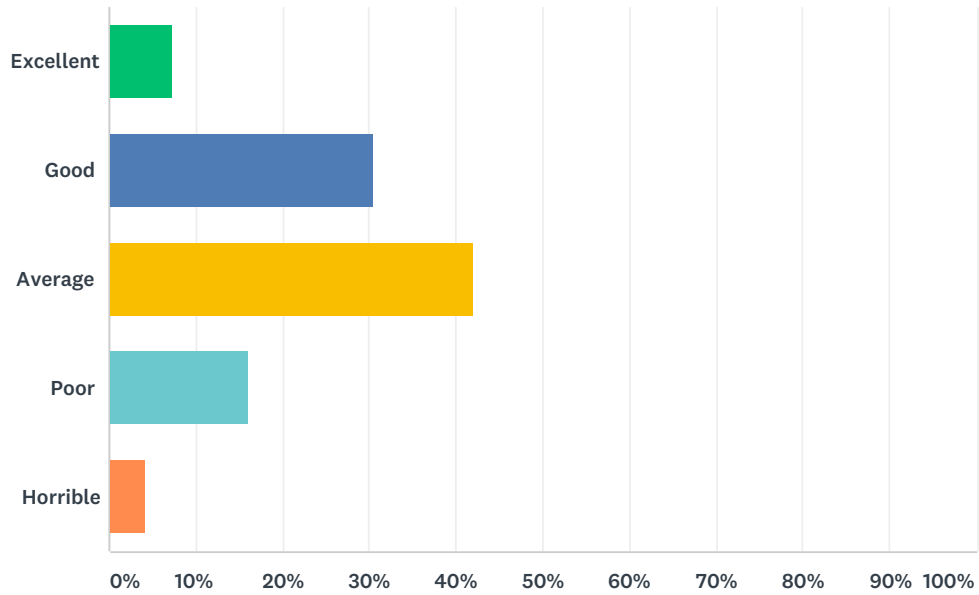
ANSWER CHOICES	RESPONSES
Dam Failure	1.24% 5
Drought	18.07% 73
Earthquake	6.19% 25
Extreme Temperatures	46.29% 187
Fire	26.73% 108
Flooding	72.52% 293
Hazardous Materials	24.50% 99
Land Subsidence	20.54% 83
Severe Summer Weather	58.17% 235

Region 2 PDC Hazard Mitigation Survey

Severe Winter Weather	62.62%	253
Other (please specify)	5.45%	22
Total Respondents: 404		

Q3 Think back to a recent hazard occurrence (any from questions 1 or 2.)
How would you rate your community's ability to handle the hazard event?

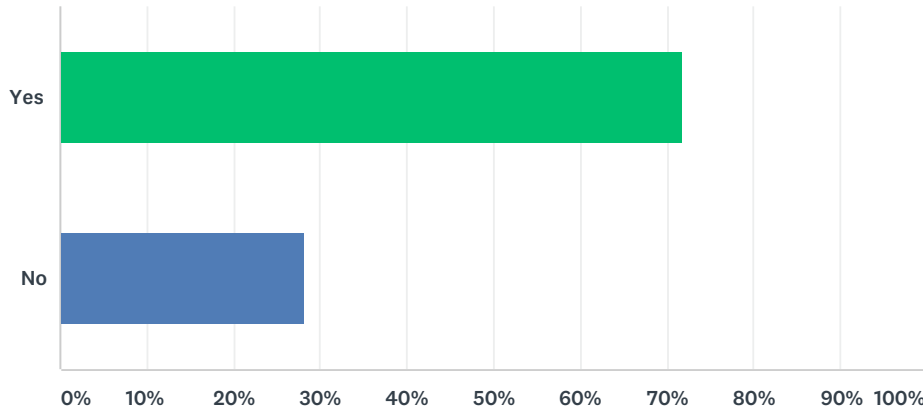
Answered: 381 Skipped: 23



ANSWER CHOICES	RESPONSES	
Excellent	7.35%	28
Good	30.45%	116
Average	41.99%	160
Poor	16.01%	61
Horrible	4.20%	16
TOTAL		381

Q4 During this event did you receive information or warnings from local media (TV, Radio, Text) or social media (Facebook/Twitter) that was either from or forwarded from your local public officials / emergency management officials?

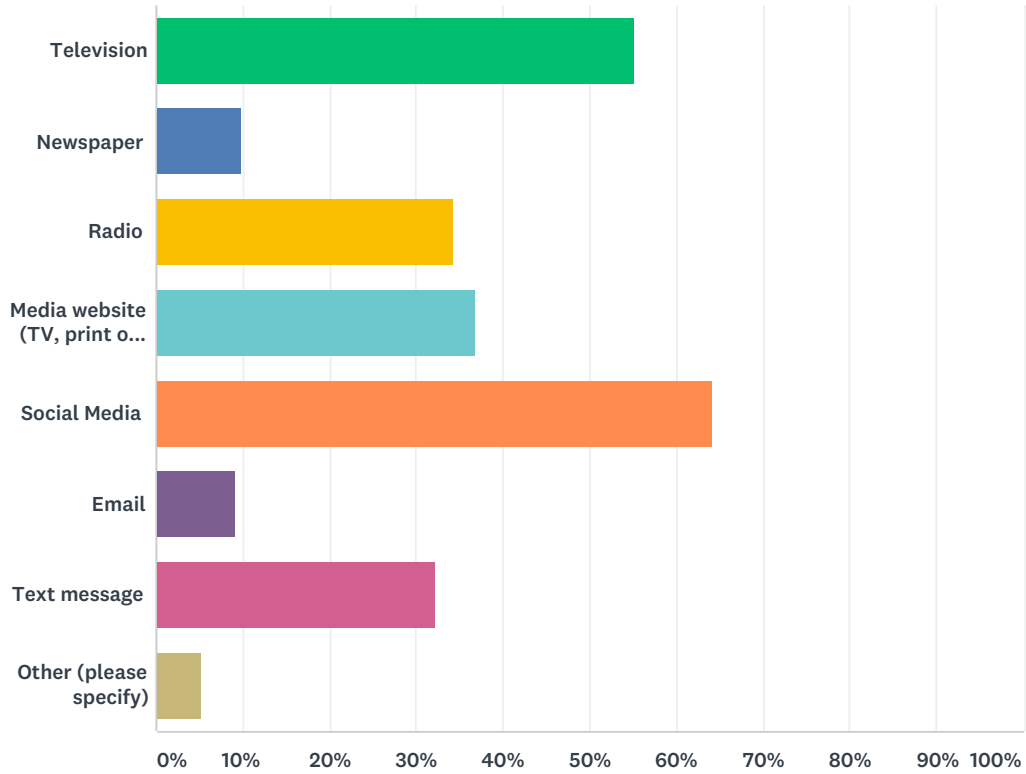
Answered: 381 Skipped: 23



ANSWER CHOICES	RESPONSES	
Yes	71.65%	273
No	28.35%	108
TOTAL		381

Q5 How did you receive this information?

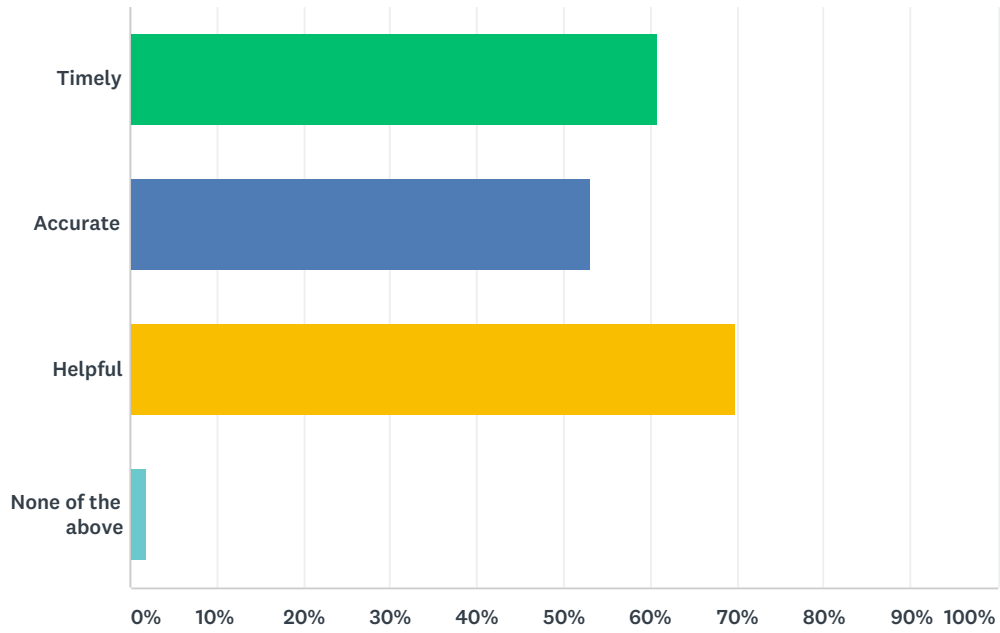
Answered: 263 Skipped: 141



ANSWER CHOICES	RESPONSES
Television	55.13% 145
Newspaper	9.89% 26
Radio	34.22% 90
Media website (TV, print or radio)	36.88% 97
Social Media	64.26% 169
Email	9.13% 24
Text message	32.32% 85
Other (please specify)	5.32% 14
Total Respondents: 263	

Q6 Was this information timely, accurate and helpful? (choose as many as apply)

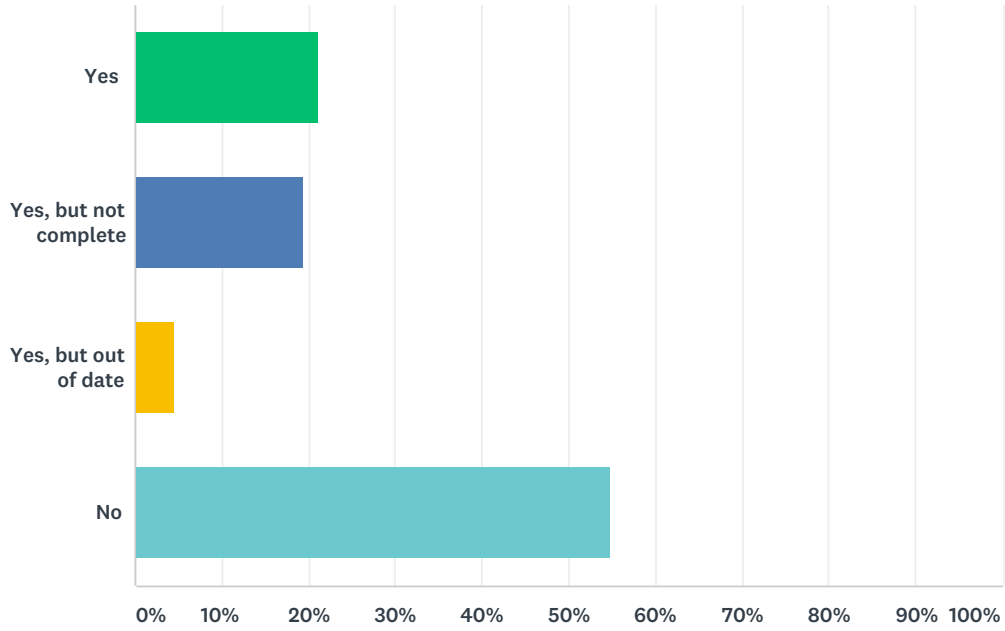
Answered: 263 Skipped: 141



ANSWER CHOICES	RESPONSES	
Timely	60.84%	160
Accurate	53.23%	140
Helpful	69.96%	184
None of the above	1.90%	5
Total Respondents: 263		

Q7 Do you / does your household have a 72-hour emergency kit? (<http://www.ready.gov/build-a-kit>)

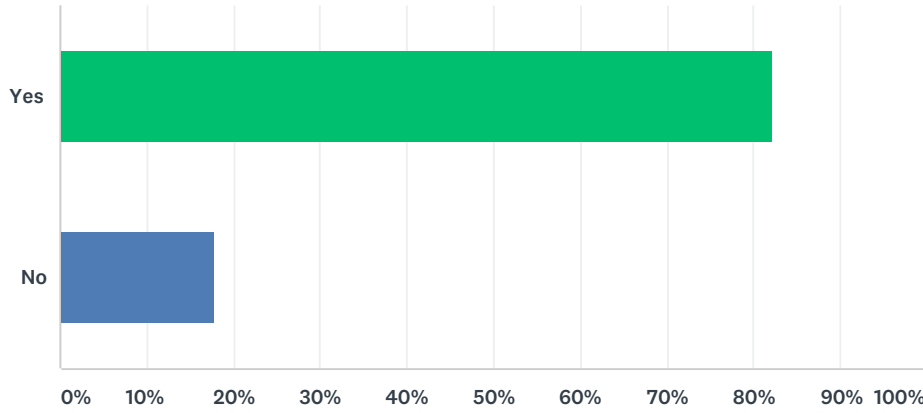
Answered: 369 Skipped: 35



ANSWER CHOICES	RESPONSES	
Yes	21.14%	78
Yes, but not complete	19.51%	72
Yes, but out of date	4.61%	17
No	54.74%	202
TOTAL		369

Q8 Do you have homeowners/renters insurance?

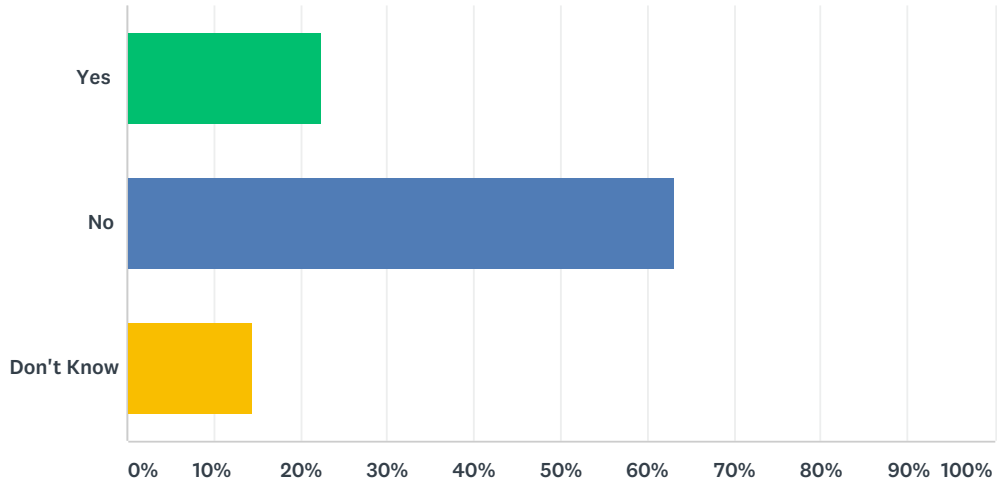
Answered: 369 Skipped: 35



ANSWER CHOICES	RESPONSES	
Yes	82.11%	303
No	17.89%	66
TOTAL		369

Q9 Does your homeowner/renters insurance include flood insurance?

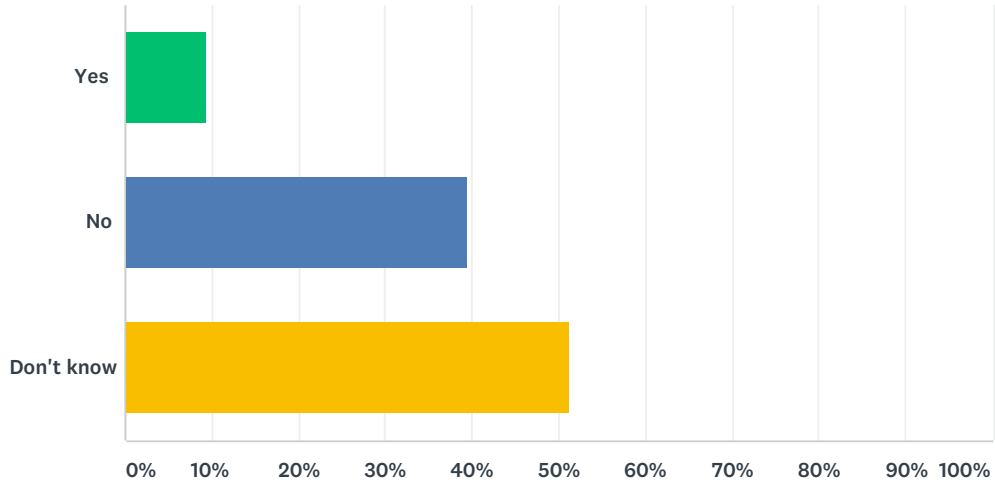
Answered: 299 Skipped: 105



ANSWER CHOICES	RESPONSES	
Yes	22.41%	67
No	63.21%	189
Don't Know	14.38%	43
TOTAL		299

Q10 Does your policy include sewer back up insurance (or have a sewer back up policy rider)?

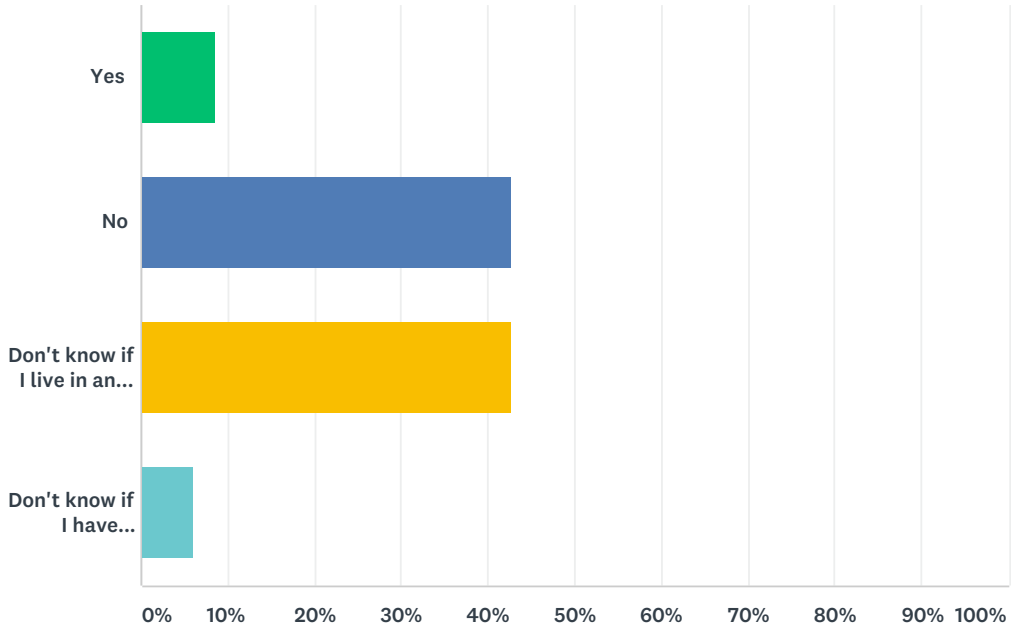
Answered: 299 Skipped: 105



ANSWER CHOICES	RESPONSES	
Yes	9.36%	28
No	39.46%	118
Don't know	51.17%	153
TOTAL		299

Q11 If you live in a Special Flood Hazard Area (SFHA), do you have floodplain insurance?

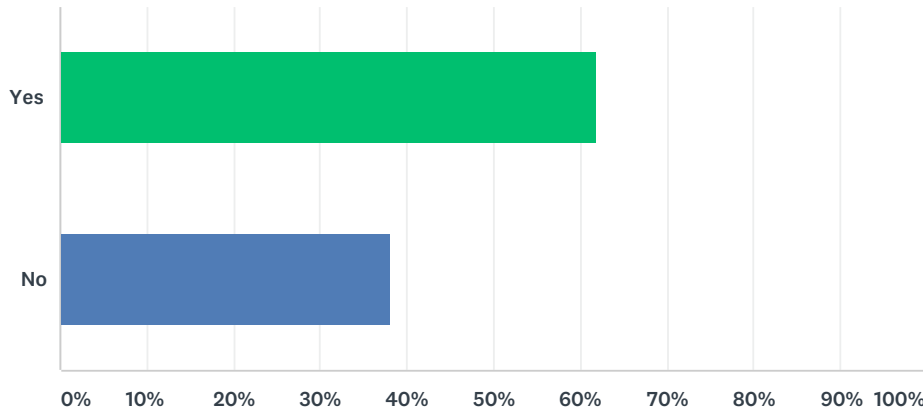
Answered: 363 Skipped: 41



ANSWER CHOICES	RESPONSES	
Yes	8.54%	31
No	42.70%	155
Don't know if I live in an SFHA	42.70%	155
Don't know if I have floodplain insurance	6.06%	22
TOTAL		363

Q12 Are you willing to spend your money on mitigation activities for your home?

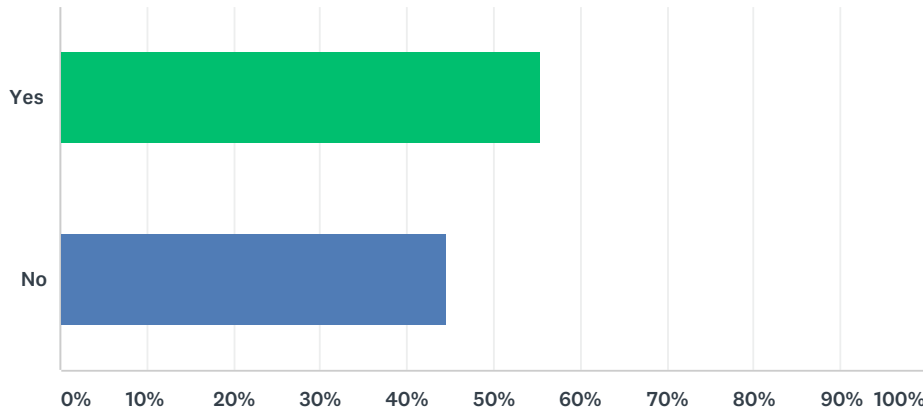
Answered: 357 Skipped: 47



ANSWER CHOICES	RESPONSES	
Yes	61.90%	221
No	38.10%	136
TOTAL		357

Q13 Have you performed any improvements to your home to reduce your risk from a hazard?

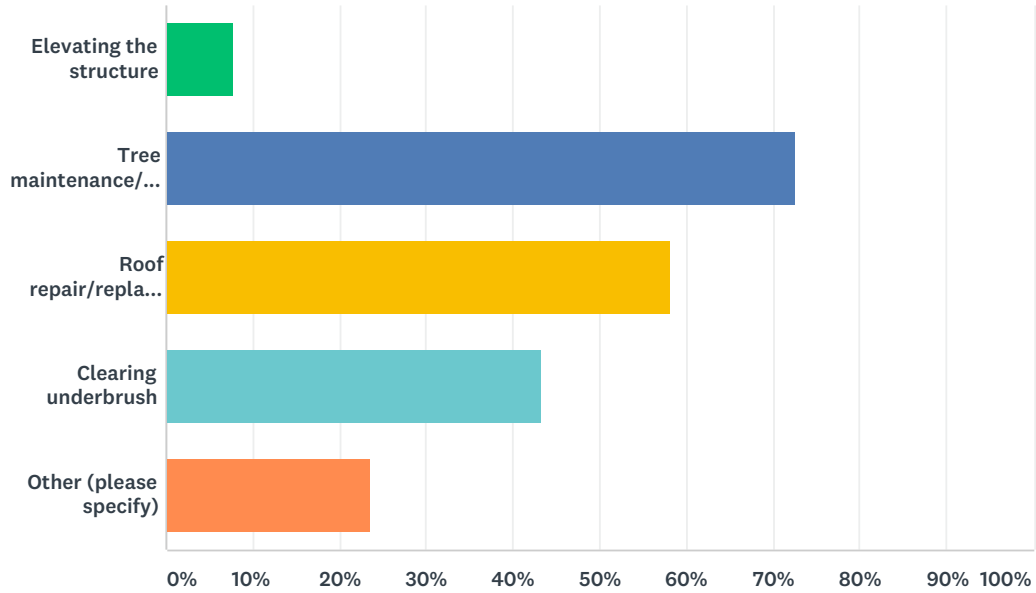
Answered: 357 Skipped: 47



ANSWER CHOICES	RESPONSES	
Yes	55.46%	198
No	44.54%	159
TOTAL		357

Q14 Please indicate what improvements you have made:

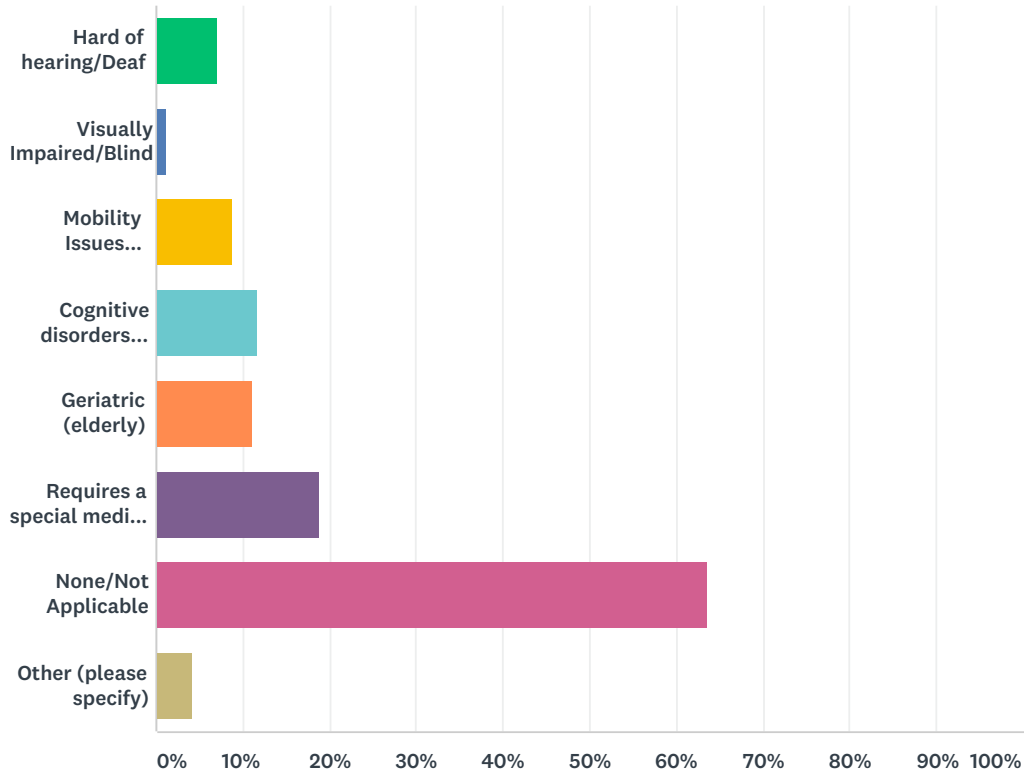
Answered: 194 Skipped: 210



ANSWER CHOICES	RESPONSES
Elevating the structure	7.73% 15
Tree maintenance/removal	72.68% 141
Roof repair/replacement	58.25% 113
Clearing underbrush	43.30% 84
Other (please specify)	23.71% 46
Total Respondents: 194	

Q15 Do you, or someone who resides in your residence, have a special need that emergency service providers should be aware of in an emergency? (Please pick all the apply)

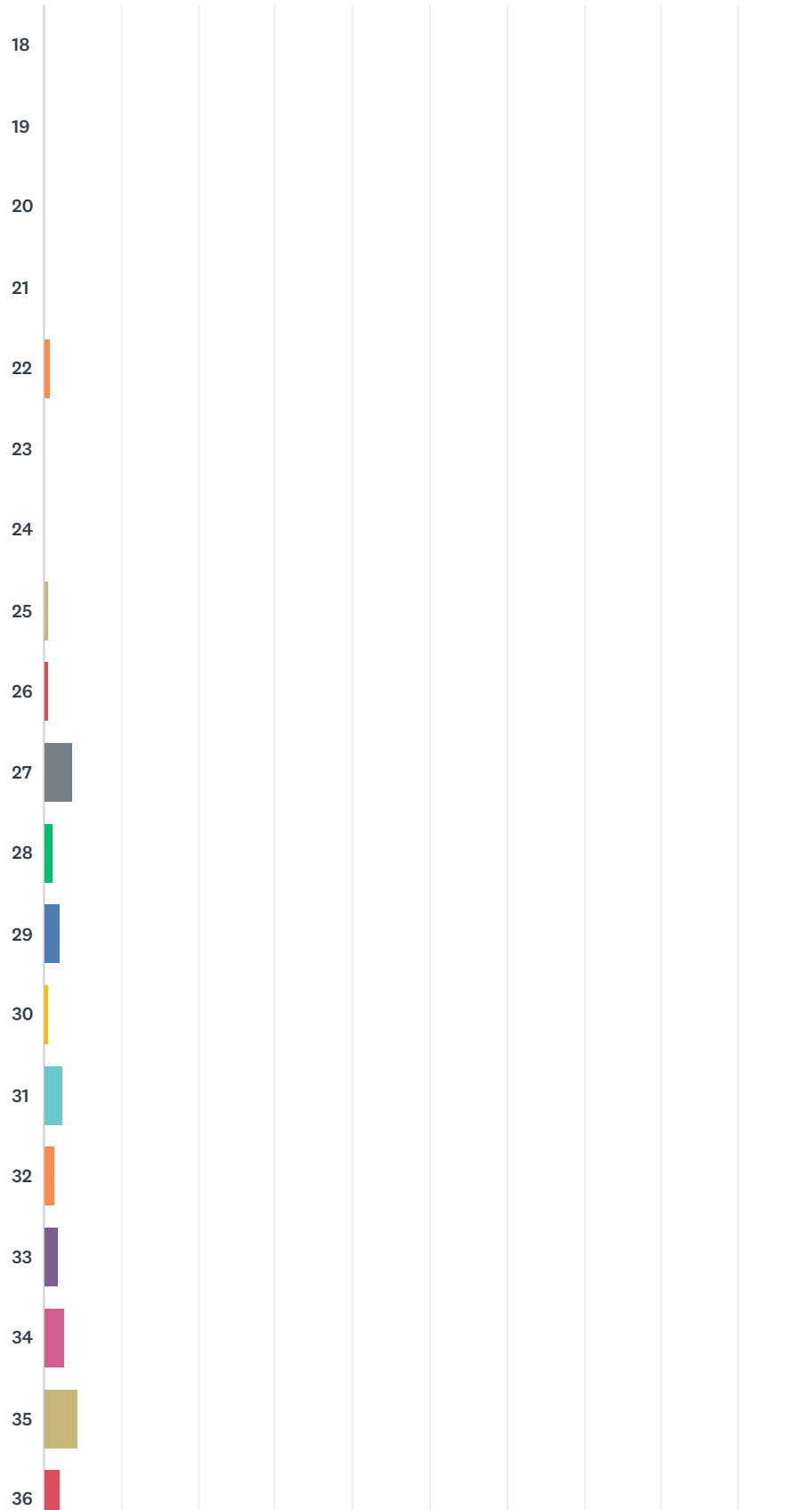
Answered: 307 Skipped: 97



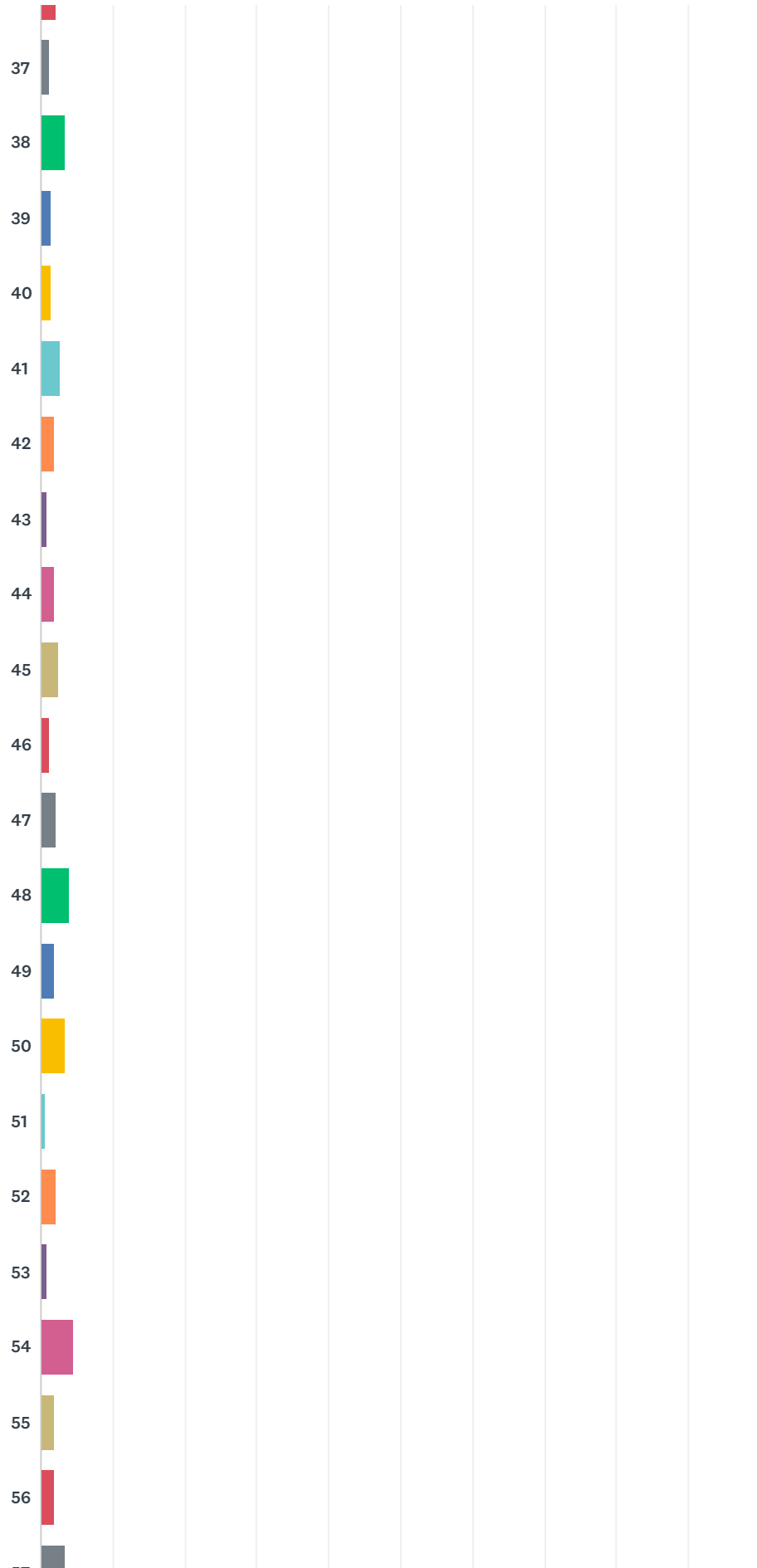
ANSWER CHOICES	RESPONSES	
Hard of hearing/Deaf	7.17%	22
Visually Impaired/Blind	1.30%	4
Mobility Issues (non-ambulatory, confined to a wheelchair, requires the use of a cane or walker)	8.79%	27
Cognitive disorders (includes autism, depression, etc.)	11.73%	36
Geriatric (elderly)	11.07%	34
Requires a special medical device (such as a Ventilator, CPAP machine, or drugs that require refrigeration [I.E. insulin])	18.89%	58
None/Not Applicable	63.52%	195
Other (please specify)	4.23%	13
Total Respondents: 307		

Q16 Please provide your age

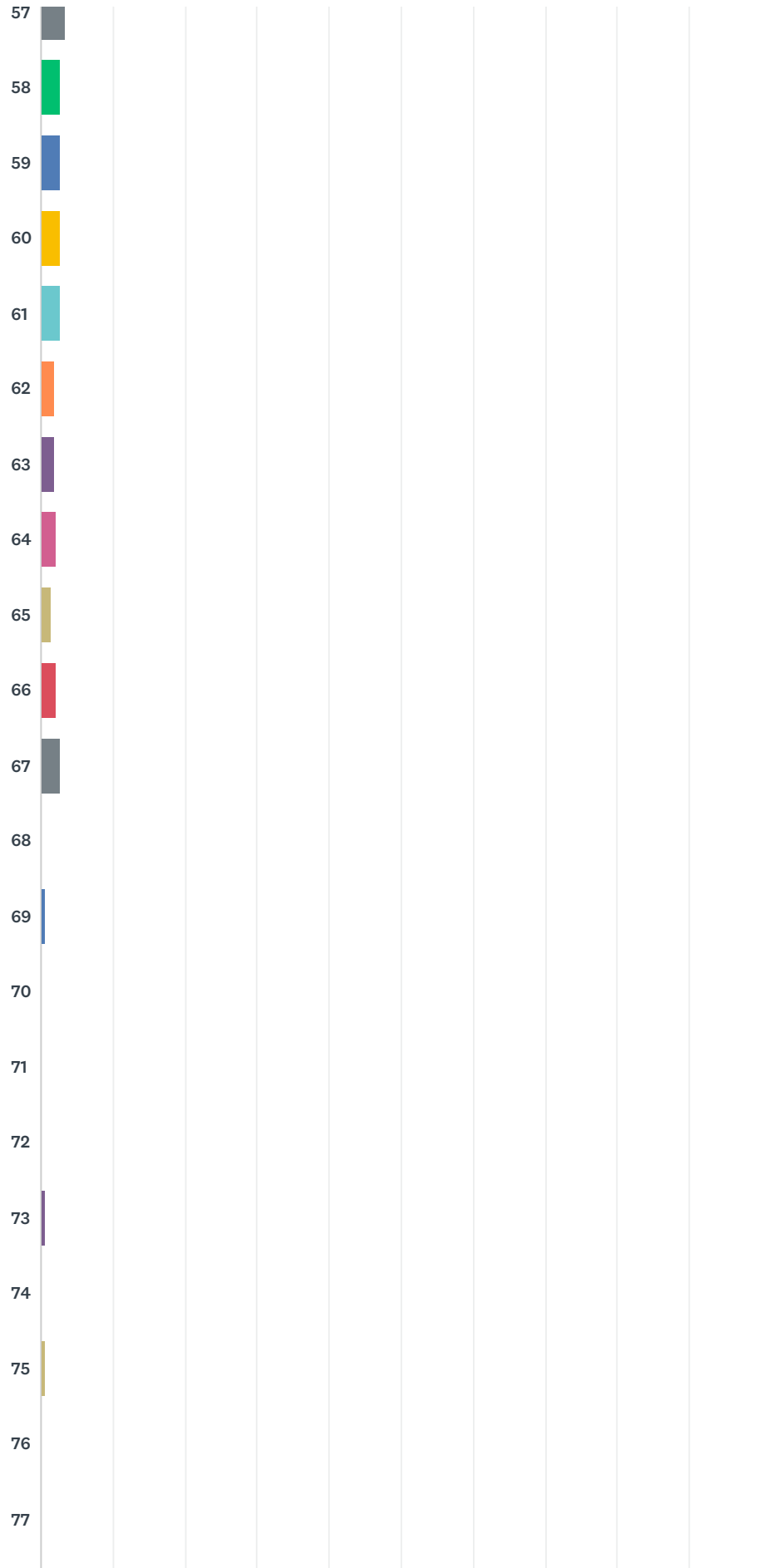
Answered: 325 Skipped: 79



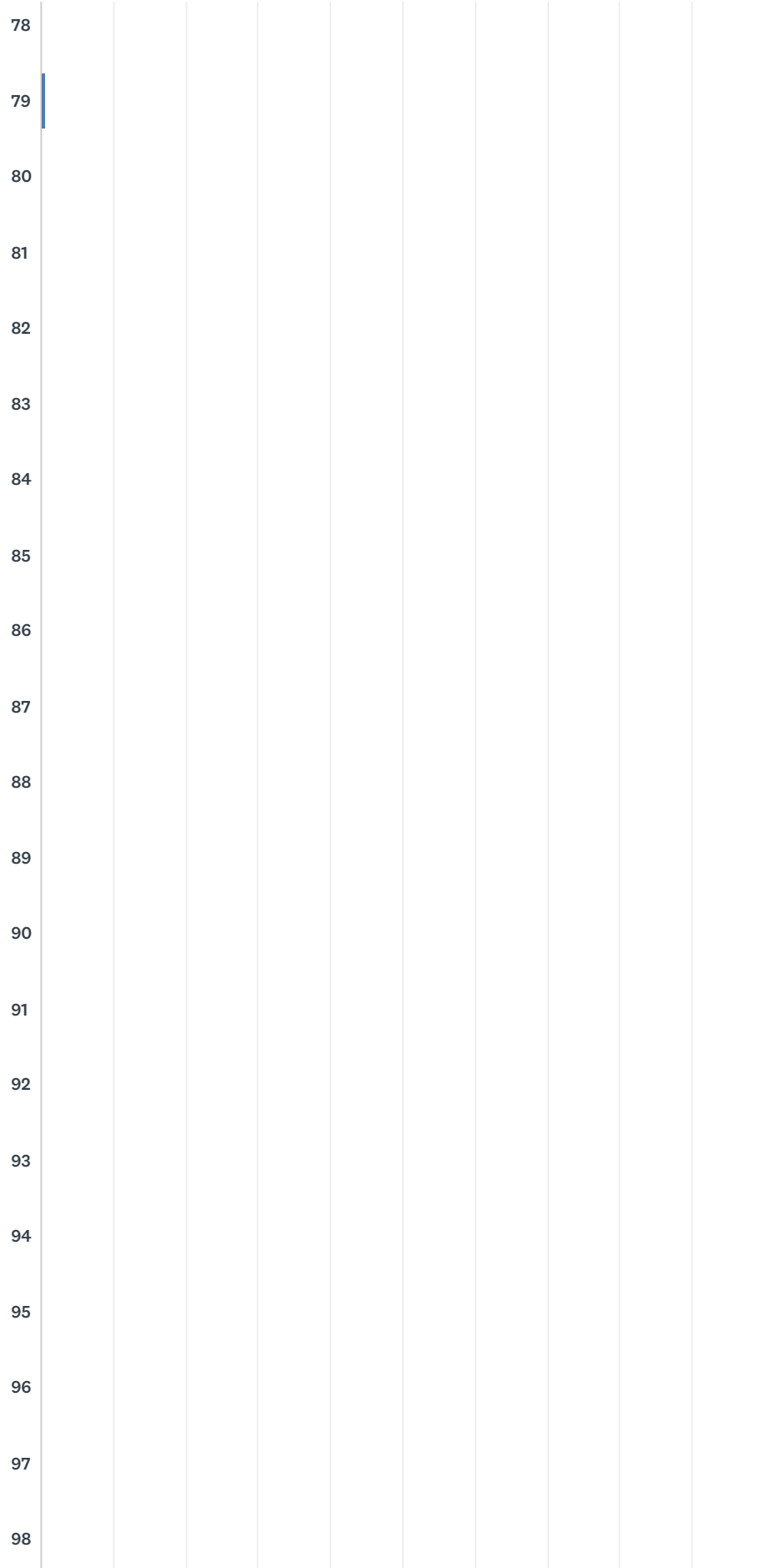
Region 2 PDC Hazard Mitigation Survey



Region 2 PDC Hazard Mitigation Survey



Region 2 PDC Hazard Mitigation Survey



Region 2 PDC Hazard Mitigation Survey



ANSWER CHOICES	RESPONSES	
18	0.31%	1
19	0.00%	0
20	0.31%	1
21	0.31%	1
22	0.92%	3
23	0.00%	0
24	0.31%	1
25	0.62%	2
26	0.62%	2
27	3.69%	12
28	1.23%	4

Region 2 PDC Hazard Mitigation Survey

29	2.15%	7
30	0.62%	2
31	2.46%	8
32	1.54%	5
33	1.85%	6
34	2.77%	9
35	4.31%	14
36	2.15%	7
37	1.23%	4
38	3.38%	11
39	1.54%	5
40	1.54%	5
41	2.77%	9
42	1.85%	6
43	0.92%	3
44	1.85%	6
45	2.46%	8
46	1.23%	4
47	2.15%	7
48	4.00%	13
49	1.85%	6
50	3.38%	11
51	0.62%	2
52	2.15%	7
53	0.92%	3
54	4.62%	15
55	1.85%	6
56	1.85%	6
57	3.38%	11
58	2.77%	9
59	2.77%	9
60	2.77%	9
61	2.77%	9
62	1.85%	6
63	1.85%	6

Region 2 PDC Hazard Mitigation Survey

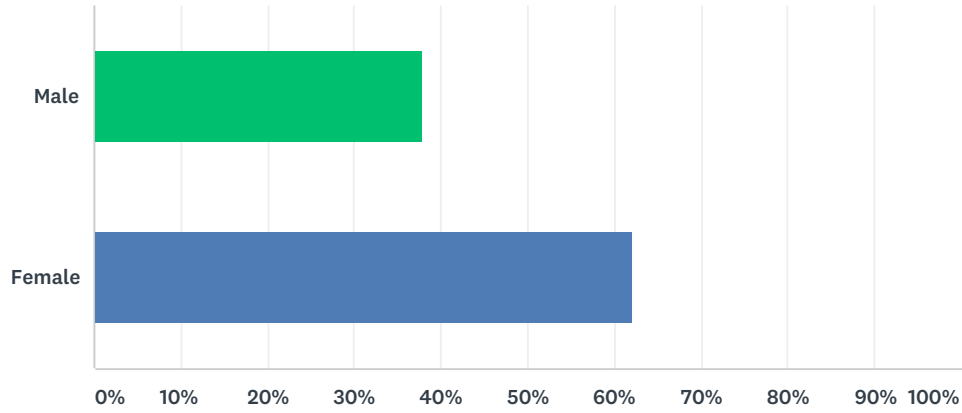
64	2.15%	7
65	1.54%	5
66	2.15%	7
67	2.77%	9
68	0.31%	1
69	0.62%	2
70	0.31%	1
71	0.31%	1
72	0.00%	0
73	0.62%	2
74	0.00%	0
75	0.62%	2
76	0.31%	1
77	0.00%	0
78	0.31%	1
79	0.62%	2
80	0.00%	0
81	0.00%	0
82	0.00%	0
83	0.00%	0
84	0.00%	0
85	0.31%	1
86	0.00%	0
87	0.31%	1
88	0.00%	0
89	0.00%	0
90	0.00%	0
91	0.00%	0
92	0.00%	0
93	0.00%	0
94	0.00%	0
95	0.00%	0
96	0.00%	0
97	0.00%	0
98	0.00%	0

Region 2 PDC Hazard Mitigation Survey

99	0.00%	0
100	0.00%	0
101	0.00%	0
102	0.00%	0
103	0.00%	0
104	0.00%	0
105	0.00%	0
106	0.00%	0
107	0.00%	0
108	0.00%	0
109	0.00%	0
110	0.31%	1
TOTAL		325

Q17 Gender

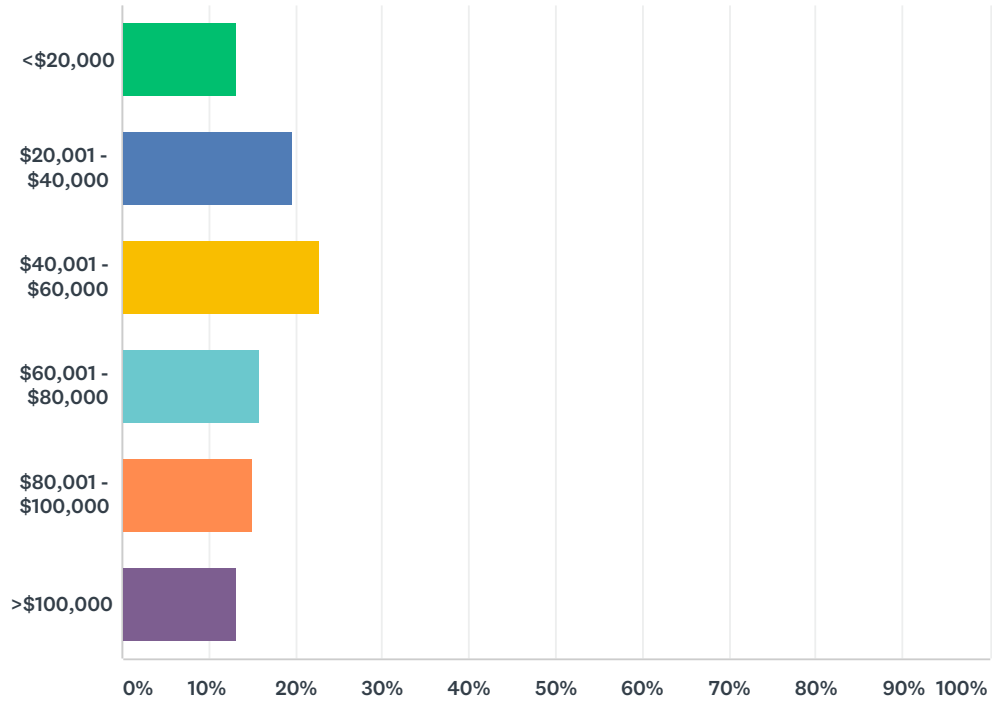
Answered: 325 Skipped: 79



ANSWER CHOICES	RESPONSES	
Male	37.85%	123
Female	62.15%	202
TOTAL		325

Q18 Please indicate your household income:

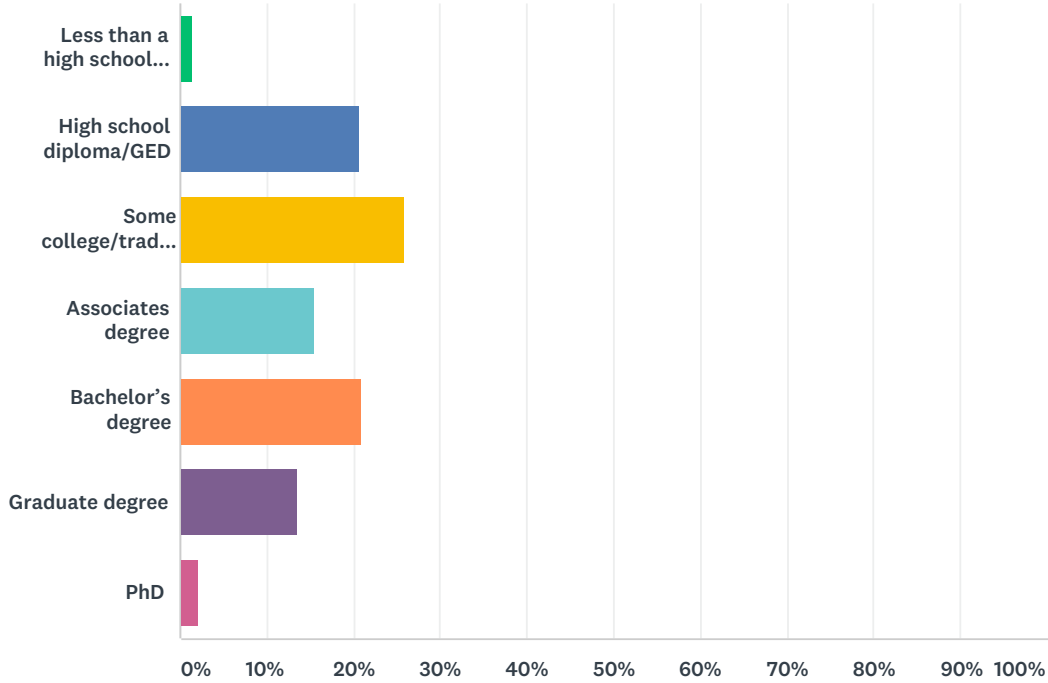
Answered: 325 Skipped: 79



ANSWER CHOICES	RESPONSES	
<\$20,000	13.23%	43
\$20,001 - \$40,000	19.69%	64
\$40,001 - \$60,000	22.77%	74
\$60,001 - \$80,000	16.00%	52
\$80,001 - \$100,000	15.08%	49
>\$100,000	13.23%	43
TOTAL		325

Q19 Please indicate your level of education

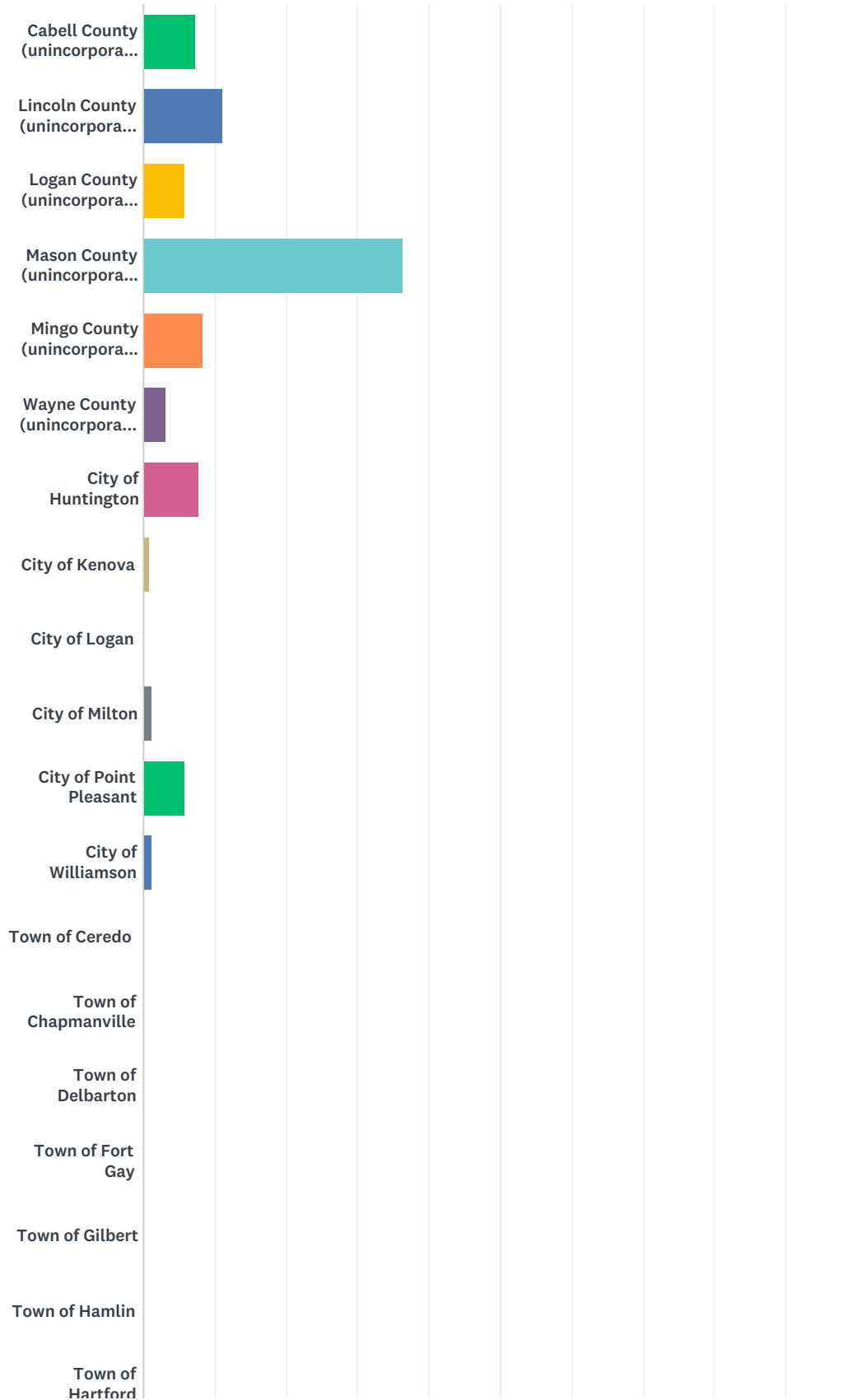
Answered: 325 Skipped: 79



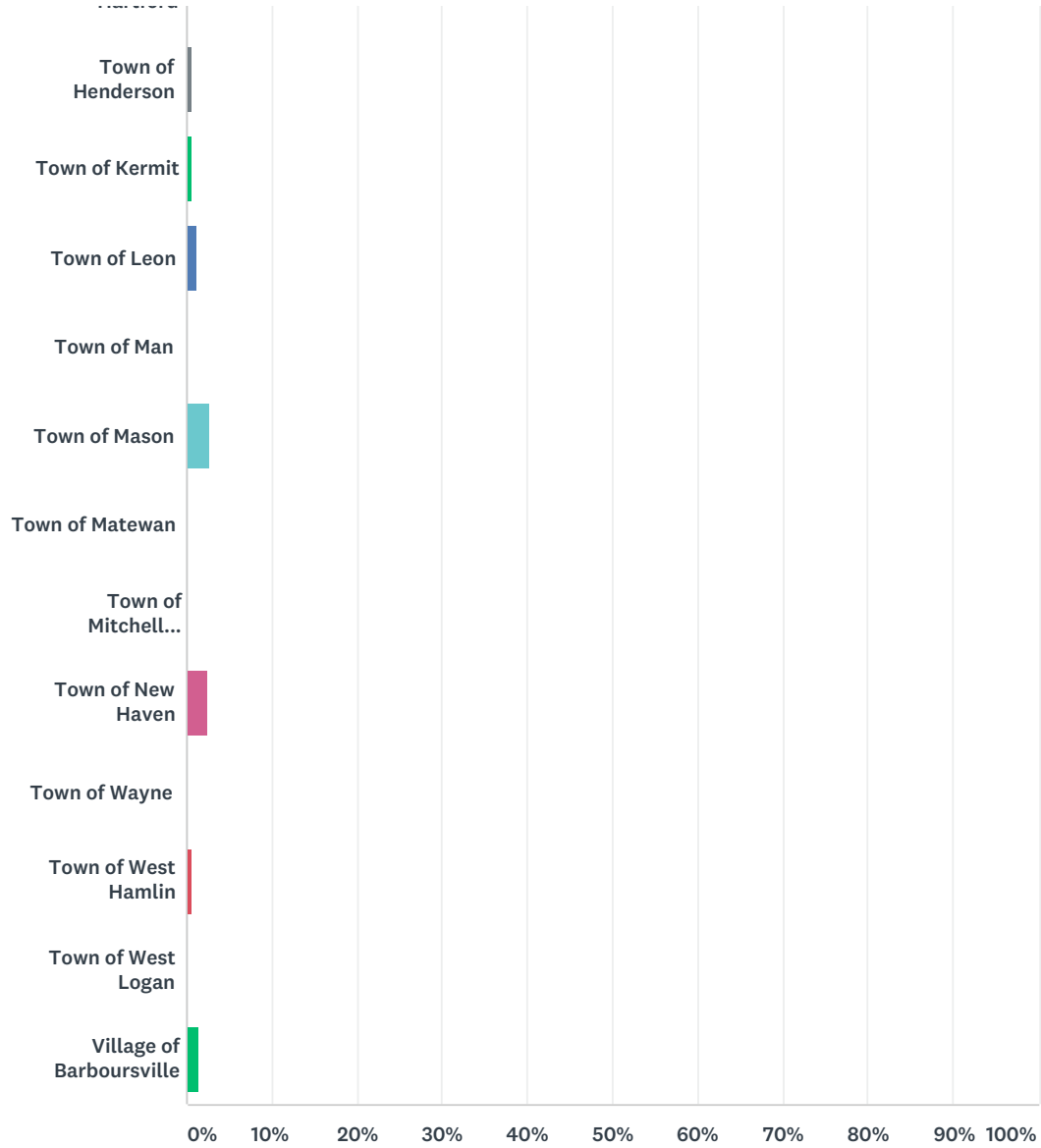
ANSWER CHOICES	RESPONSES	
Less than a high school diploma	1.54%	5
High school diploma/GED	20.62%	67
Some college/trade school	25.85%	84
Associates degree	15.38%	50
Bachelor's degree	20.92%	68
Graduate degree	13.54%	44
PhD	2.15%	7
TOTAL		325

Q20 In which municipality do you reside?

Answered: 325 Skipped: 79



Region 2 PDC Hazard Mitigation Survey



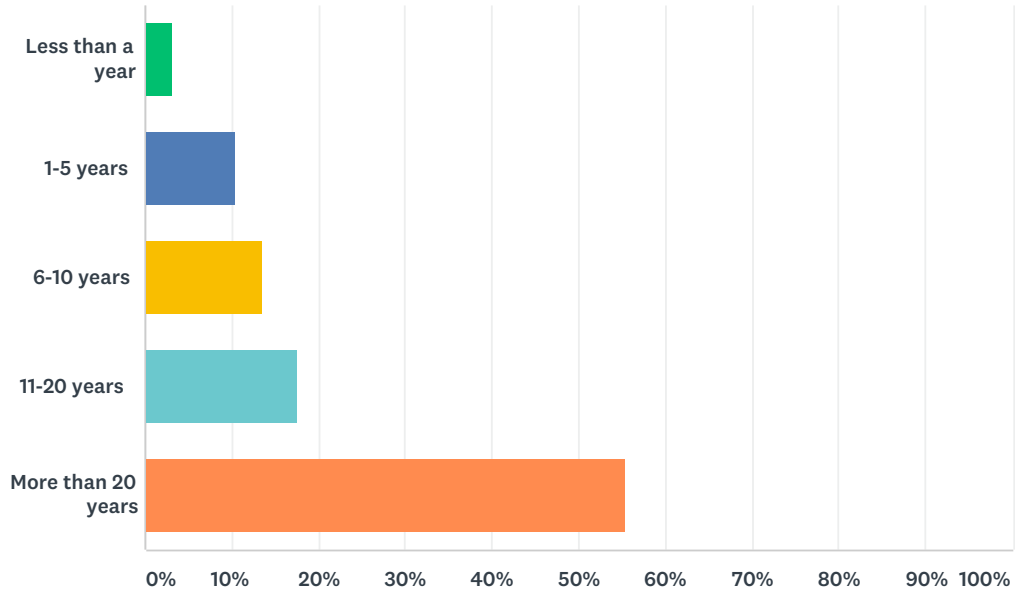
ANSWER CHOICES	RESPONSES	
Cabell County (unincorporated area)	7.38%	24
Lincoln County (unincorporated area)	11.08%	36
Logan County (unincorporated area)	5.85%	19
Mason County (unincorporated area)	36.31%	118
Mingo County (unincorporated area)	8.31%	27
Wayne County (unincorporated area)	3.08%	10
City of Huntington	7.69%	25
City of Kenova	0.92%	3
City of Logan	0.31%	1
City of Milton	1.23%	4
City of Point Pleasant	5.85%	19

Region 2 PDC Hazard Mitigation Survey

City of Williamson	1.23%	4
Town of Ceredo	0.00%	0
Town of Chapmanville	0.00%	0
Town of Delbarton	0.00%	0
Town of Fort Gay	0.00%	0
Town of Gilbert	0.31%	1
Town of Hamlin	0.31%	1
Town of Hartford	0.00%	0
Town of Henderson	0.62%	2
Town of Kermit	0.62%	2
Town of Leon	1.23%	4
Town of Man	0.00%	0
Town of Mason	2.77%	9
Town of Matewan	0.31%	1
Town of Mitchell Heights	0.00%	0
Town of New Haven	2.46%	8
Town of Wayne	0.00%	0
Town of West Hamlin	0.62%	2
Town of West Logan	0.00%	0
Village of Barboursville	1.54%	5
TOTAL		325

Q21 How long have you resided in your community?

Answered: 325 Skipped: 79



ANSWER CHOICES	RESPONSES	
Less than a year	3.08%	10
1-5 years	10.46%	34
6-10 years	13.54%	44
11-20 years	17.54%	57
More than 20 years	55.38%	180
TOTAL		325

Q22 If you would like to take part in additional surveys regarding potential hazard mitigation projects please provide a valid email address.

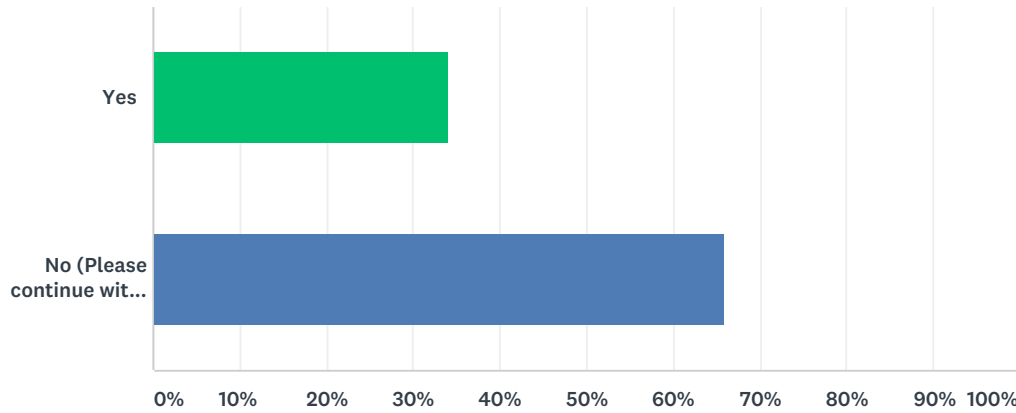
Answered: 45 Skipped: 359

Q23 Please share any other comments you have

Answered: 13 Skipped: 391

Q1 Did you respond to the previous survey about risks and vulnerabilities?

Answered: 194 Skipped: 0



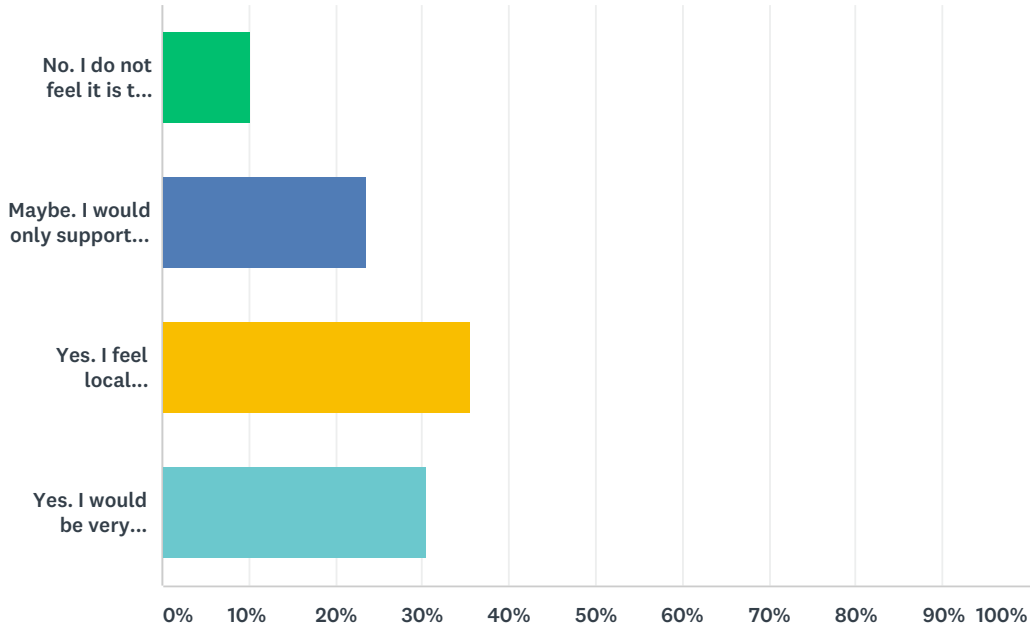
ANSWER CHOICES	RESPONSES	
Yes	34.02%	66
No (Please continue with this survey even if you did not respond to the previous survey!)	65.98%	128
TOTAL		194

Q2 Our mitigation plan seeks to outline projects to lessen our exposure to these types of hazards. What do you feel our priorities should be?

Answered: 117 Skipped: 77

Q3 Would you be supportive of additional regulatory efforts to encourage or require mitigation actions?

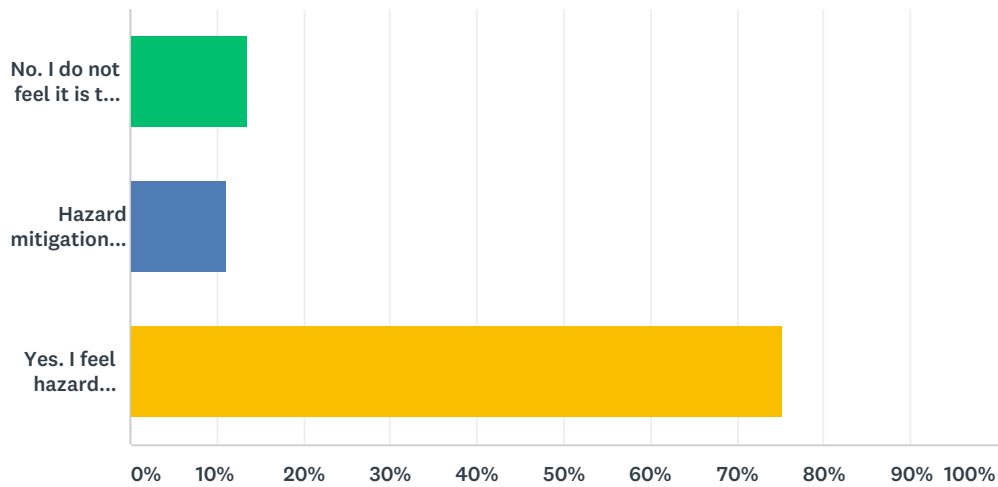
Answered: 118 Skipped: 76



ANSWER CHOICES	RESPONSES	
No. I do not feel it is the role of local government to encourage or require hazard mitigation.	10.17%	12
Maybe. I would only support encouragement of mitigation actions.	23.73%	28
Yes. I feel local government has a role in protecting publicly-owned assets and infrastructure.	35.59%	42
Yes. I would be very supportive of such efforts and feel that hazard mitigation should be mandatory.	30.51%	36
TOTAL		118

Q4 Would you be supportive of the use of tax dollars for grant programs, construction of mitigating infrastructure, etc.?

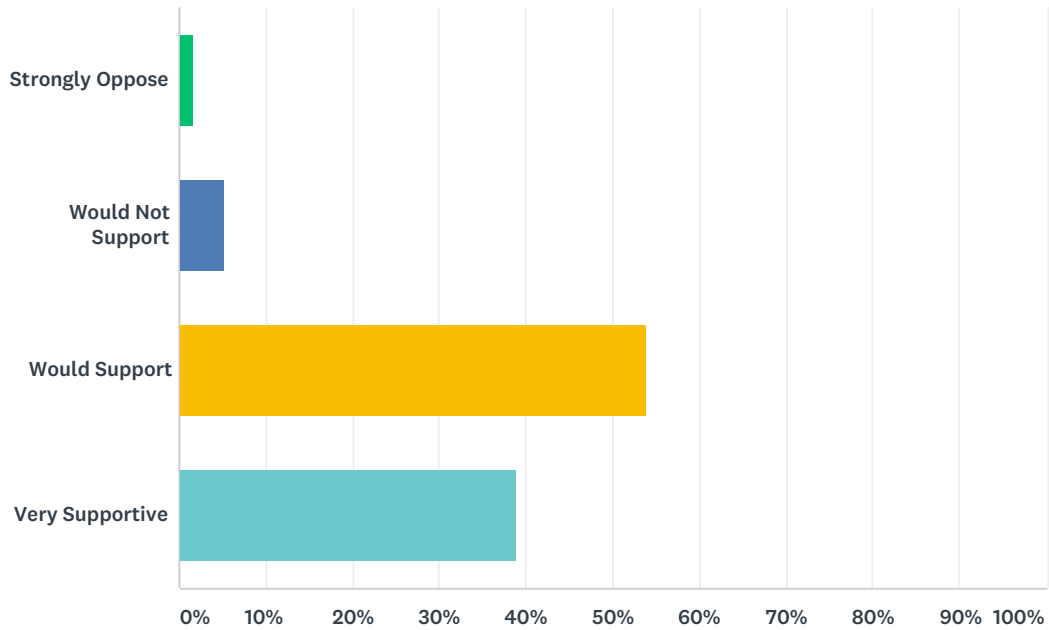
Answered: 117 Skipped: 77



ANSWER CHOICES	RESPONSES	
No. I do not feel it is the role of government to encourage or require hazard mitigation.	13.68%	16
Hazard mitigation efforts should be funded entirely by property owners, whether those owners are public or private entities or individuals.	11.11%	13
Yes. I feel hazard mitigation could be a beneficial use of tax dollars.	75.21%	88
TOTAL		117

Q5 Upgrading water systems to eliminate breaks and leaks.

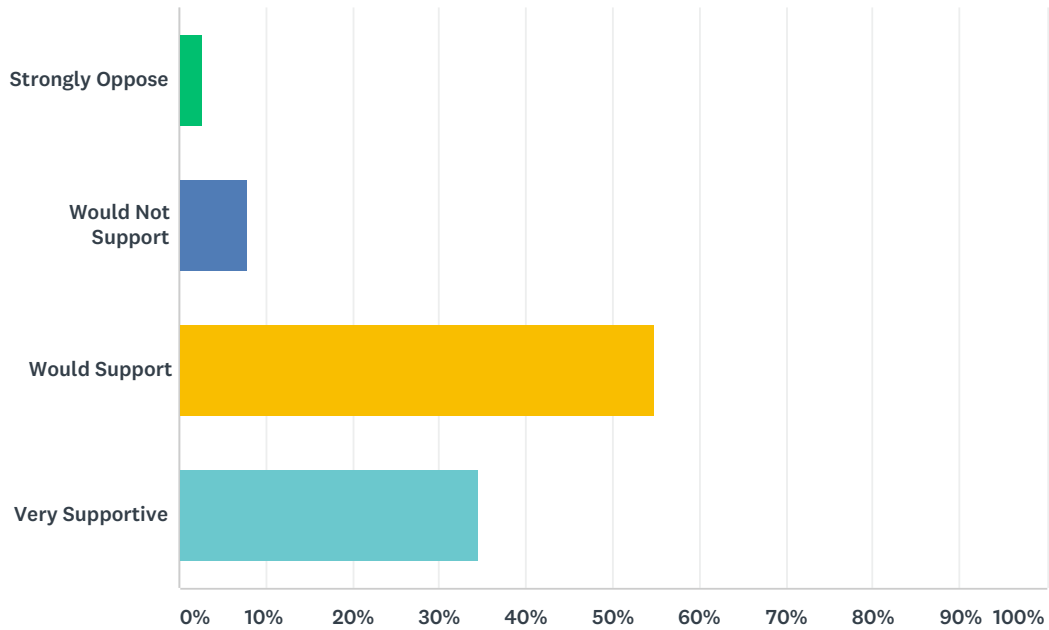
Answered: 113 Skipped: 81



ANSWER CHOICES	RESPONSES	
Strongly Oppose	1.77%	2
Would Not Support	5.31%	6
Would Support	53.98%	61
Very Supportive	38.94%	44
TOTAL		113

Q6 Grant programs or regulatory efforts to address stormwater problems.

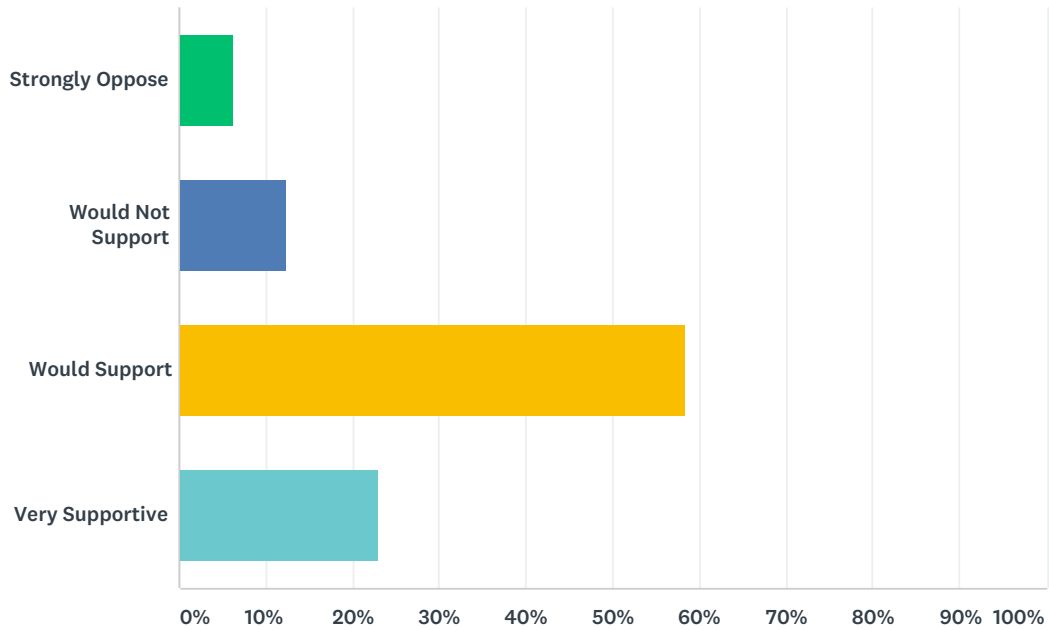
Answered: 113 Skipped: 81



ANSWER CHOICES	RESPONSES
Strongly Oppose	2.65% 3
Would Not Support	7.96% 9
Would Support	54.87% 62
Very Supportive	34.51% 39
TOTAL	113

Q7 Regulatory-driven water conservation during drought conditions.

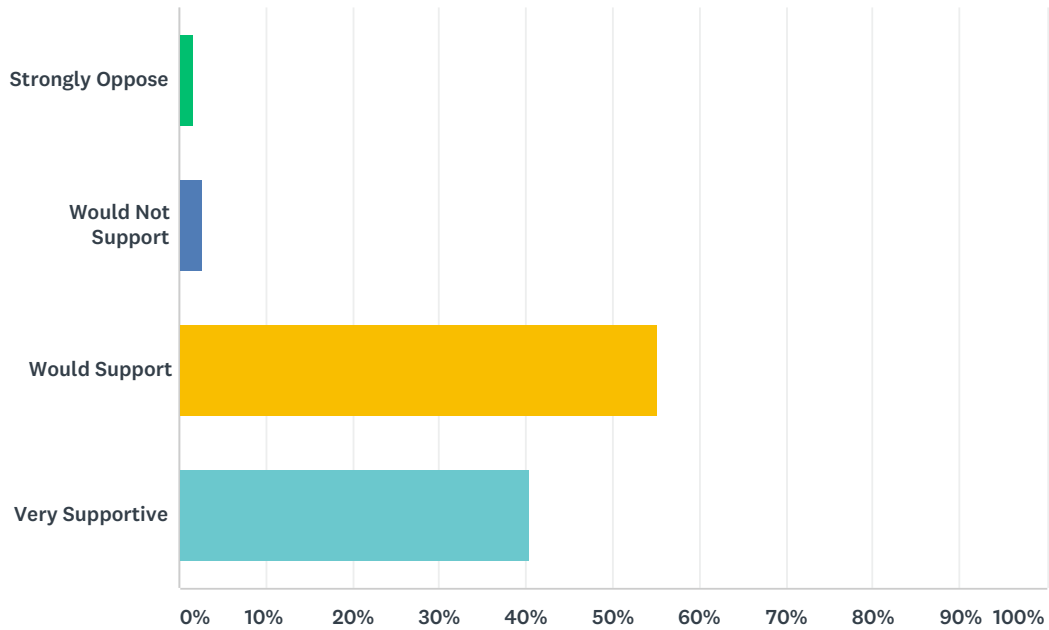
Answered: 113 Skipped: 81



ANSWER CHOICES	RESPONSES
Strongly Oppose	6.19% 7
Would Not Support	12.39% 14
Would Support	58.41% 66
Very Supportive	23.01% 26
TOTAL	113

Q8 Educate residents on personal mitigation opportunities.

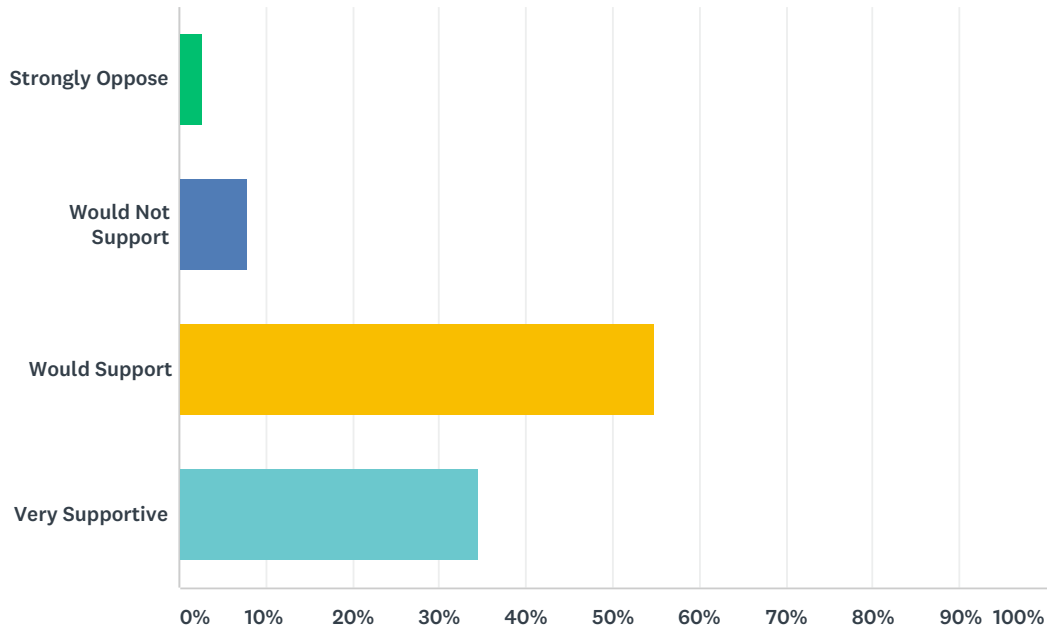
Answered: 114 Skipped: 80



ANSWER CHOICES	RESPONSES	
Strongly Oppose	1.75%	2
Would Not Support	2.63%	3
Would Support	55.26%	63
Very Supportive	40.35%	46
TOTAL		114

Q9 Provide grants or other incentive programs to encourage the installation of generators at public facilities, businesses, etc.

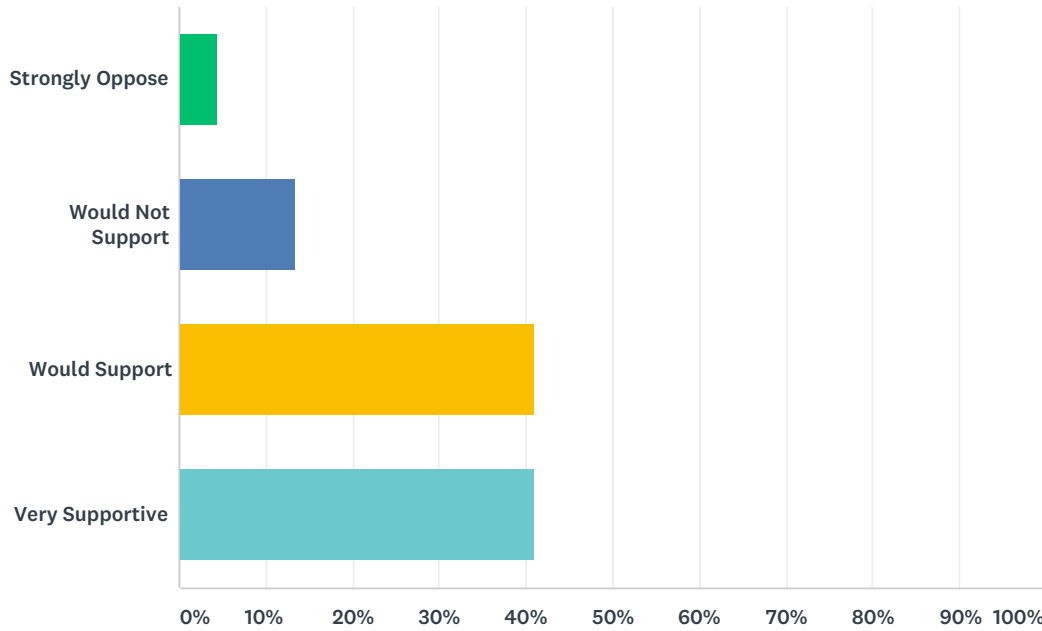
Answered: 113 Skipped: 81



ANSWER CHOICES	RESPONSES
Strongly Oppose	2.65% 3
Would Not Support	7.96% 9
Would Support	54.87% 62
Very Supportive	34.51% 39
TOTAL	113

Q10 Regulate the types of development permitted in areas highly vulnerable to various hazards.

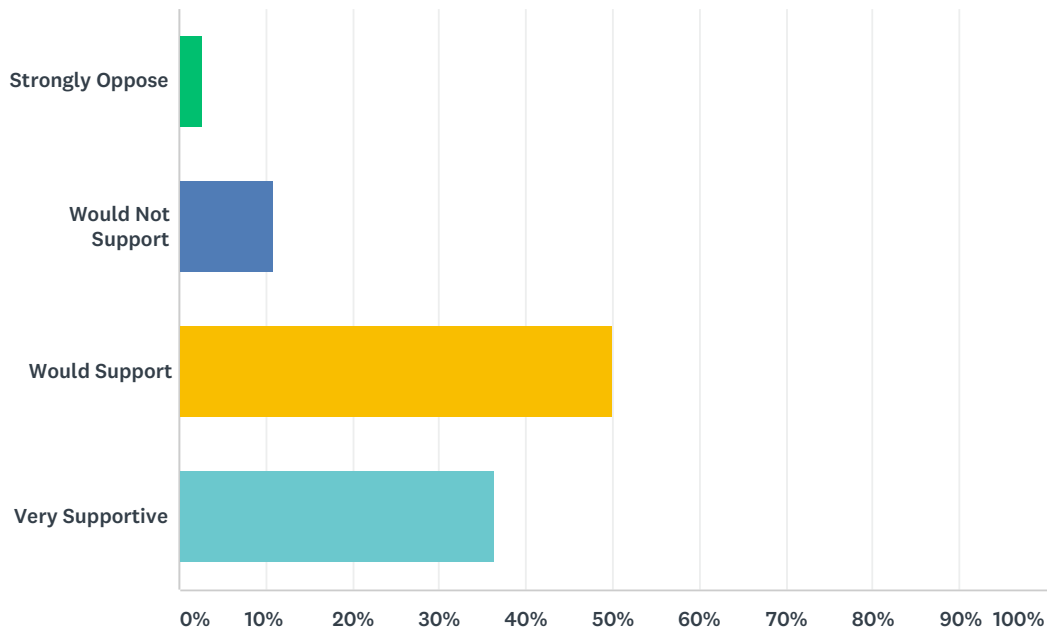
Answered: 112 Skipped: 82



ANSWER CHOICES	RESPONSES
Strongly Oppose	4.46% 5
Would Not Support	13.39% 15
Would Support	41.07% 46
Very Supportive	41.07% 46
TOTAL	112

Q11 Provide grants or incentives to encourage tree planting in or along parking areas, streets, etc.

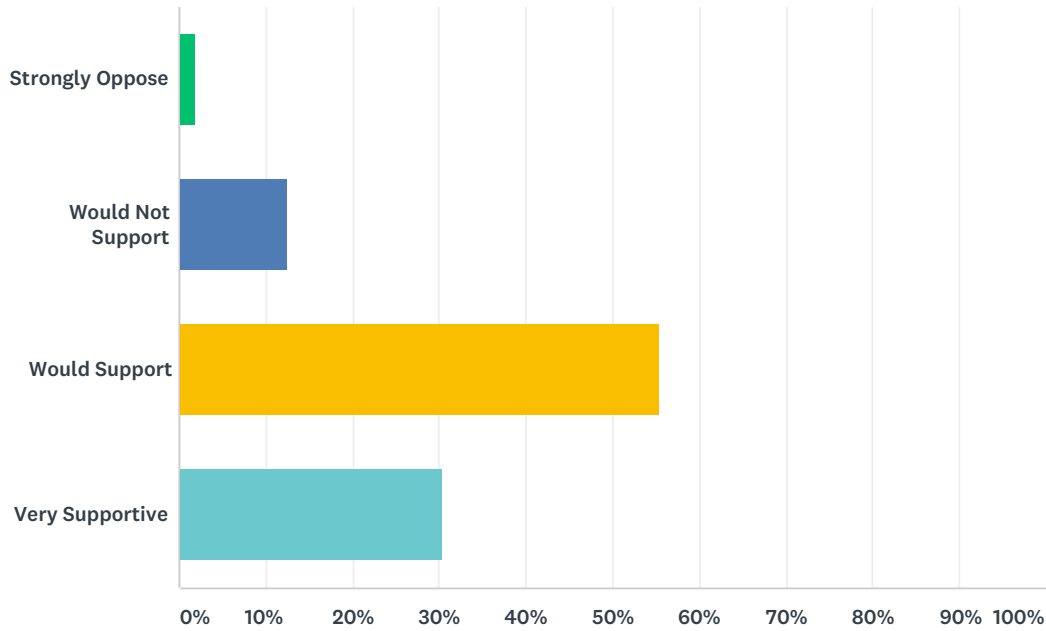
Answered: 110 Skipped: 84



ANSWER CHOICES	RESPONSES	
Strongly Oppose	2.73%	3
Would Not Support	10.91%	12
Would Support	50.00%	55
Very Supportive	36.36%	40
TOTAL		110

Q12 Provide grants or incentives to residents to encourage elevation of flood-prone homes.

Answered: 112 Skipped: 82



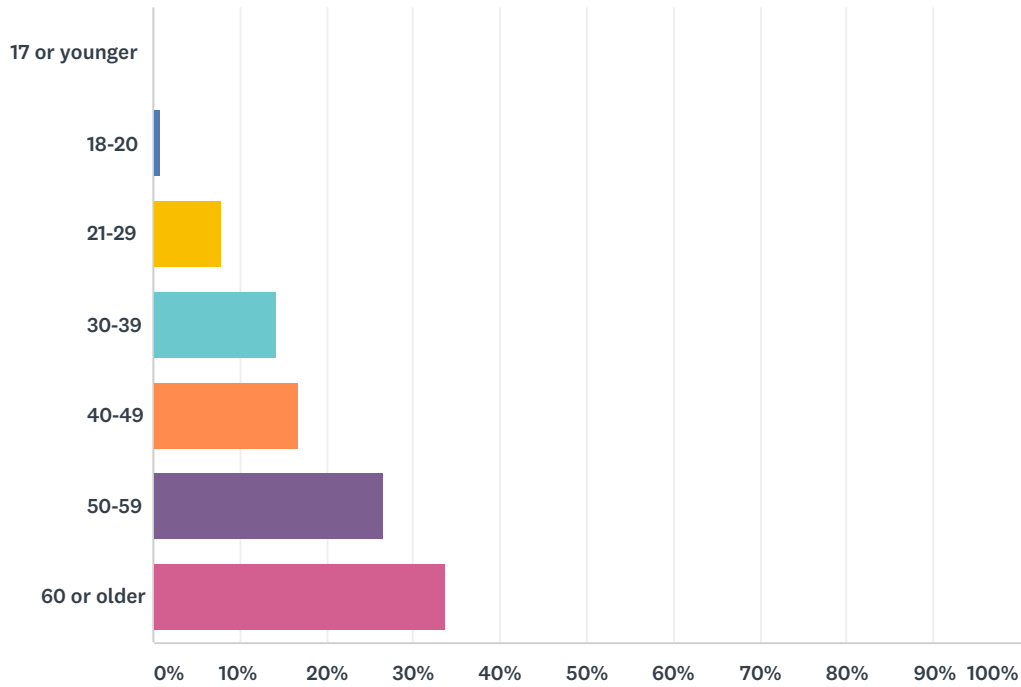
ANSWER CHOICES	RESPONSES	
Strongly Oppose	1.79%	2
Would Not Support	12.50%	14
Would Support	55.36%	62
Very Supportive	30.36%	34
TOTAL		112

Q13 What other mitigation actions not mentioned above (if any) would you support?

Answered: 26 Skipped: 168

Q14 What is your age?

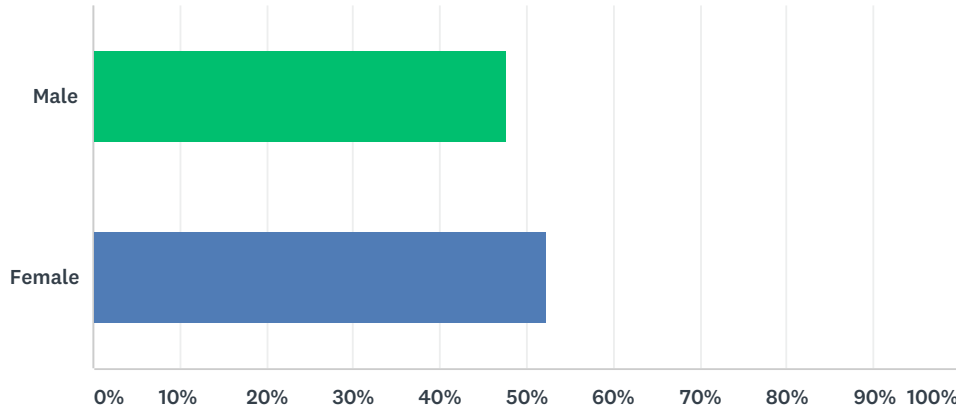
Answered: 113 Skipped: 81



ANSWER CHOICES	RESPONSES	
17 or younger	0.00%	0
18-20	0.88%	1
21-29	7.96%	9
30-39	14.16%	16
40-49	16.81%	19
50-59	26.55%	30
60 or older	33.63%	38
TOTAL		113

Q15 Are you male or female?

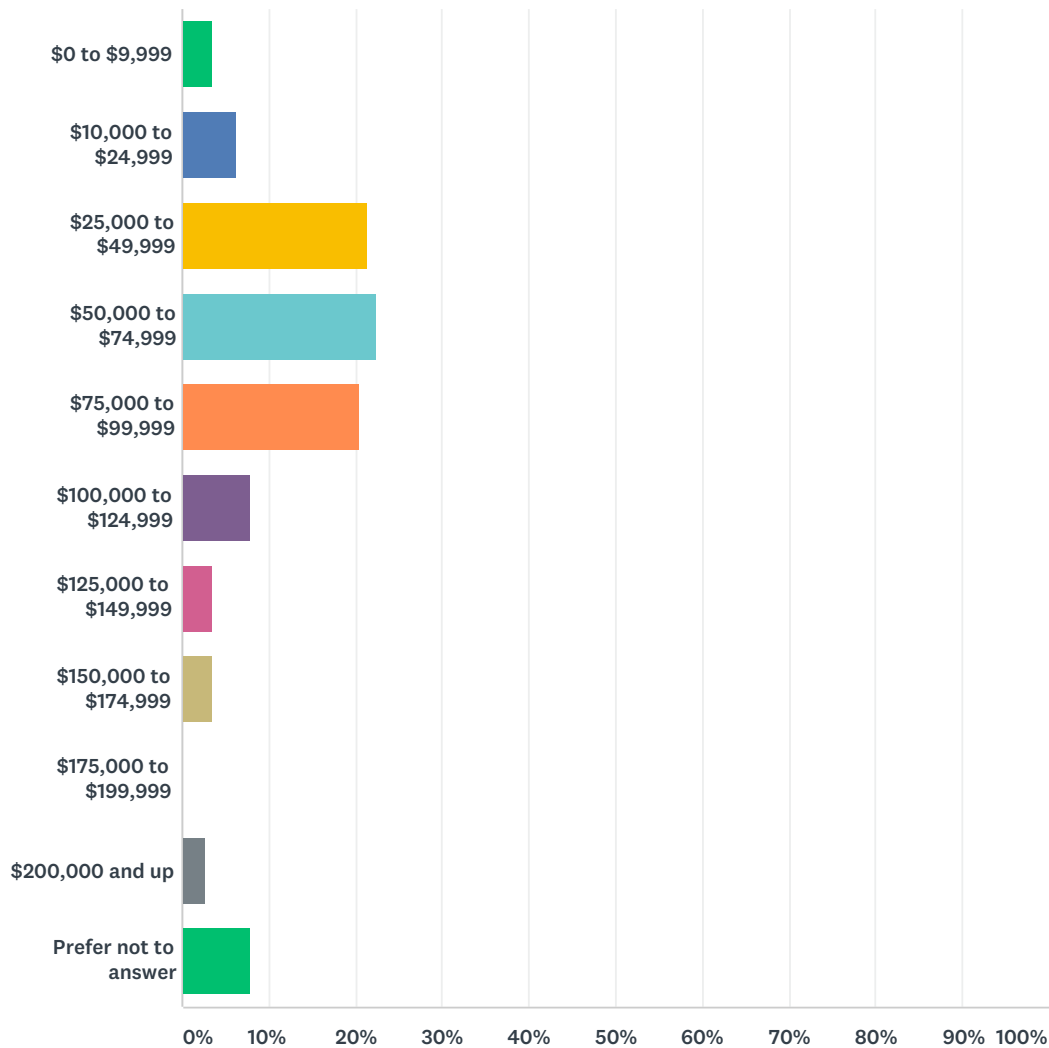
Answered: 113 Skipped: 81



ANSWER CHOICES	RESPONSES	
Male	47.79%	54
Female	52.21%	59
TOTAL		113

Q16 How much total combined money did all members of your HOUSEHOLD earn last year?

Answered: 112 Skipped: 82



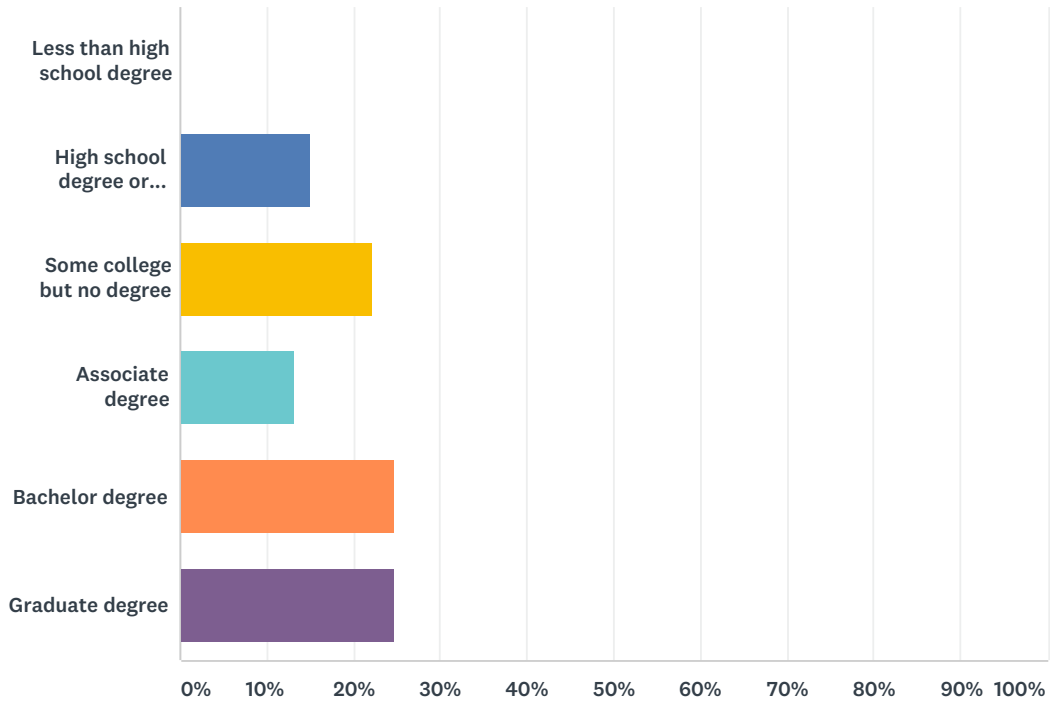
ANSWER CHOICES	RESPONSES
\$0 to \$9,999	3.57% 4
\$10,000 to \$24,999	6.25% 7
\$25,000 to \$49,999	21.43% 24
\$50,000 to \$74,999	22.32% 25
\$75,000 to \$99,999	20.54% 23
\$100,000 to \$124,999	8.04% 9
\$125,000 to \$149,999	3.57% 4
\$150,000 to \$174,999	3.57% 4
\$175,000 to \$199,999	0.00% 0

Region 2 PDC Hazard Mitigation Survey #2 (Mitigation Actions)

\$200,000 and up	2.68%	3
Prefer not to answer	8.04%	9
TOTAL		112

Q17 What is the highest level of school you have completed or the highest degree you have received?

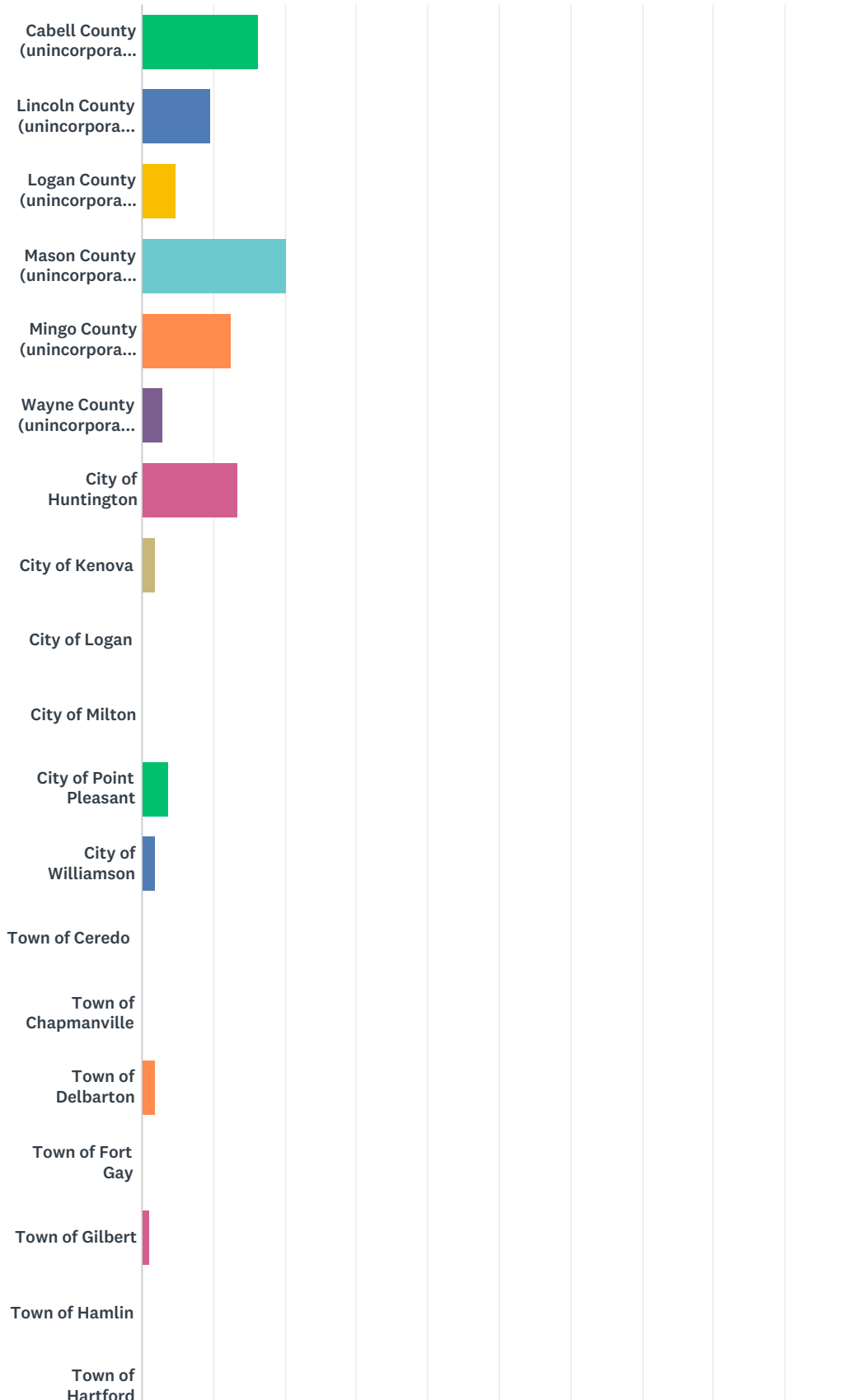
Answered: 113 Skipped: 81



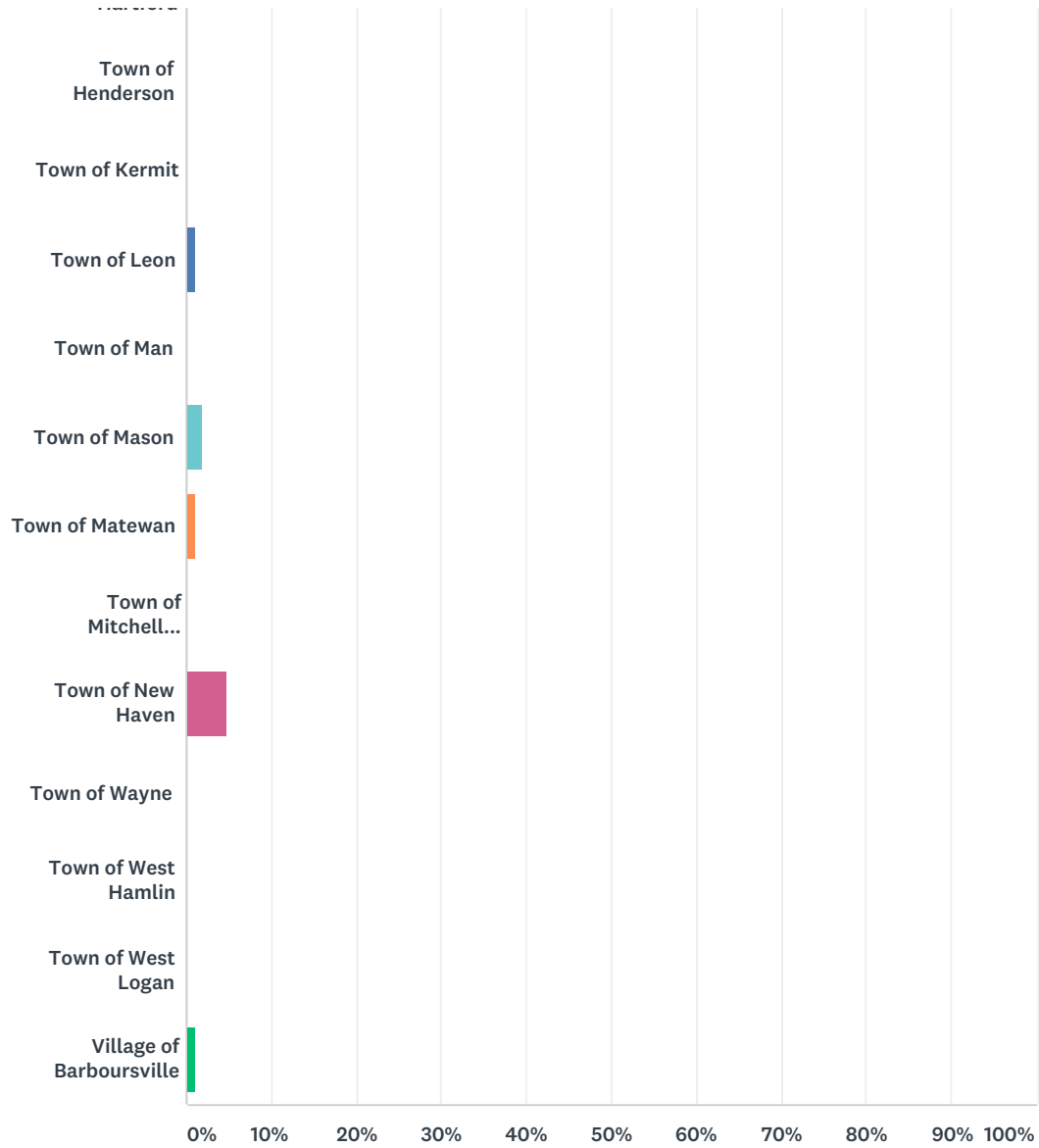
ANSWER CHOICES	RESPONSES	
Less than high school degree	0.00%	0
High school degree or equivalent (e.g., GED)	15.04%	17
Some college but no degree	22.12%	25
Associate degree	13.27%	15
Bachelor degree	24.78%	28
Graduate degree	24.78%	28
TOTAL		113

Q18 In what community do you live?

Answered: 104 Skipped: 90



Region 2 PDC Hazard Mitigation Survey #2 (Mitigation Actions)



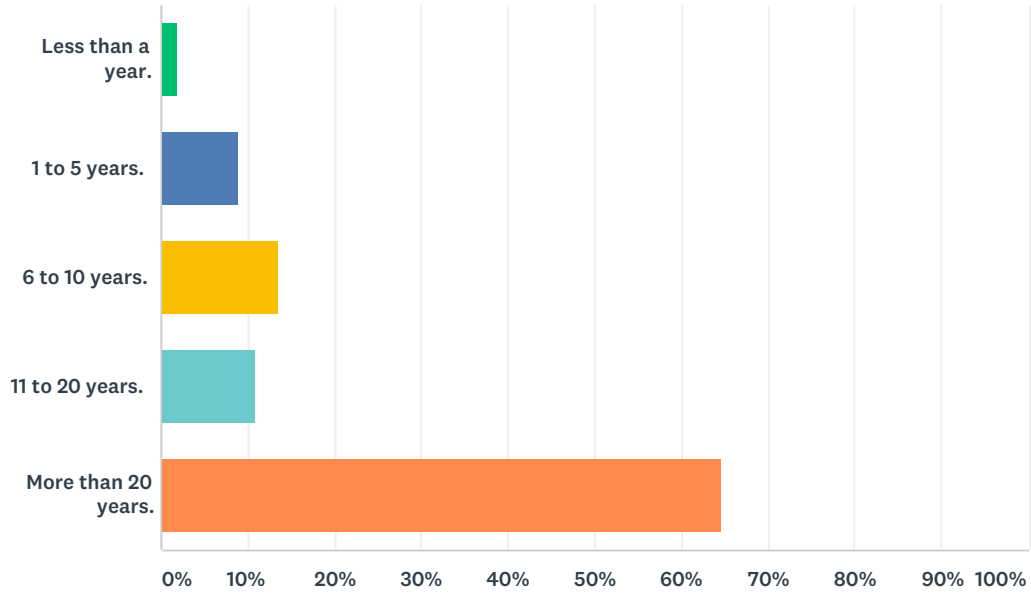
ANSWER CHOICES	RESPONSES	
Cabell County (unincorporated areas)	16.35%	17
Lincoln County (unincorporated areas)	9.62%	10
Logan County (unincorporated areas)	4.81%	5
Mason County (unincorporated areas)	20.19%	21
Mingo County (unincorporated areas)	12.50%	13
Wayne County (unincorporated areas)	2.88%	3
City of Huntington	13.46%	14
City of Kenova	1.92%	2
City of Logan	0.00%	0
City of Milton	0.00%	0
City of Point Pleasant	3.85%	4

Region 2 PDC Hazard Mitigation Survey #2 (Mitigation Actions)

City of Williamson	1.92%	2
Town of Ceredo	0.00%	0
Town of Chapmanville	0.00%	0
Town of Delbarton	1.92%	2
Town of Fort Gay	0.00%	0
Town of Gilbert	0.96%	1
Town of Hamlin	0.00%	0
Town of Hartford	0.00%	0
Town of Henderson	0.00%	0
Town of Kermit	0.00%	0
Town of Leon	0.96%	1
Town of Man	0.00%	0
Town of Mason	1.92%	2
Town of Matewan	0.96%	1
Town of Mitchell Heights	0.00%	0
Town of New Haven	4.81%	5
Town of Wayne	0.00%	0
Town of West Hamlin	0.00%	0
Town of West Logan	0.00%	0
Village of Barboursville	0.96%	1
TOTAL		104

Q19 How long have you resided in your community?

Answered: 110 Skipped: 84



ANSWER CHOICES	RESPONSES	
Less than a year.	1.82%	2
1 to 5 years.	9.09%	10
6 to 10 years.	13.64%	15
11 to 20 years.	10.91%	12
More than 20 years.	64.55%	71
TOTAL		110

Q20 Please share any other comments you have.

Answered: 18 Skipped: 176

APPENDIX 4 INACTIVE PROJECTS

TABLE 5.4.A INACTIVE PROJECTS					
<i>Jurisdiction</i>	<i>County</i>	<i>Hazard of Concern</i>	<i>Project</i>	<i>Status</i>	<i>2017 Status Active/Inactive</i>
Cabell County	Cabell County	All Hazards	Explore mitigation and civil issues for opportunities or promote hazard mitigation in the public and private sector. (2012 Project - No ID).	Complete. Continue to send out mailers. Moved to Regional project	Inactive
Lincoln County	Lincoln County	Flood	Continue to coordinate with the WVDOH to conduct culvert inspections throughout the county (2012 Project 1.2.1).	Delete. Inspections are reported when the culverts are flooded.	Inactive
Lincoln County	Lincoln County	Flood	Enforce municipal building codes, which will regulate the number of buildings and the materials used in buildings that are constructed in a floodplain (2012 Project 1.3.2).	Delete. Lincoln County does not have building codes.	Inactive
Lincoln County	Lincoln County	Flood	Continue to apply for funding for projects that will increase the county's CRS (2012 Project 1.3.4).	Delete. No activity.	Inactive
Lincoln County	Lincoln County	Flood	Update the countywide permitting process which requires residents and/or developers to file a permit with the county before beginning any new construction as a means of regulating floodplain development (2012 Project 1.4.1).	Delete. Same as project 1.3.1.	Inactive
Lincoln County	Lincoln County	Flood	Continue to update database of structures and apply for funding to remove remaining structures (2012 Project 1.5.1).	Delete. No activity.	Inactive
Lincoln County	Lincoln County	Flood	Continue to seek funding to raise roadways located within the 100 year floodplain (2012 Project 1.6.1).	Delete. State Responsibility.	Inactive
Lincoln County	Lincoln County	Severe Winter Weather	Continue to coordinate with the West Virginia DOH to create more contracts for emergency snow removal (2012 Project 2.1.1).	Delete. No activity.	Inactive

TABLE 5.4.A INACTIVE PROJECTS

<i>Jurisdiction</i>	<i>County</i>	<i>Hazard of Concern</i>	<i>Project</i>	<i>Status</i>	<i>2017 Status Active/Inactive</i>
Lincoln County	Lincoln County	Severe Summer Weather	Update and re-distribute an informational brochure describing the proper safety procedures to carry out during a severe thunderstorm (2012 Project 3.1.1).	Delete. Under regional projects. Nothing yet as far as paper use of social media.	Inactive
Lincoln County	Lincoln County	Severe Summer Weather	Utilize the county WARN capabilities to provide earlier warning to county residents of impending hailstorms (2012 Project 4.1.1).	Delete. No activity.	Inactive
Lincoln County	Lincoln County	Severe Summer Weather	Coordinate with the National Weather Service in Charleston, WV and utilize the county WARN to alert residents of impending severe wind or tornado conditions (2012 Project 5.1.1).	Complete. Doing this via social media.	Inactive
Lincoln County	Lincoln County	All Hazards	Provide information in public locations such as libraries (2012 Project 5.2.1).	Complete. Doing this via social media.	Inactive
Lincoln County	Lincoln County	Flood	Promote DEP storm water management permitting, at the municipal level, that regulates any land disturbance and development over one acre to provide for land stabilization through storm water management techniques (2012 Project 6.1.1).	Delete. No activity.	Inactive
Lincoln County	Lincoln County	Land Subsidence	Continue to work with the Department of Forestry to coordinate efforts to promote re-seeding after lumber extraction projects (2012 Project 6.1.2).	Delete. No activity.	Inactive
Lincoln County	Lincoln County	Land Subsidence	Develop a GIS based database that will help identify the areas of potential land subsidence. Have this mapping product available for the Lincoln County All Hazard Map. This can be utilized to protect against improper development (2012 Project 6.2.1).	Delete. No activity.	Inactive
Lincoln County	Lincoln County	All Hazards	Coordinate with local public service districts to complete an interconnect between PSD's (2012 Project 7.1.1).	Delete. No activity.	Inactive
Lincoln County	Lincoln County	Wildfire	Continue distributing information concerning the leading causes of wildfires and steps the general public can take to avoid starting wildfires (2012 Project 8.1.1).	Complete. Doing this via social media. Under Regional projects.	Inactive



TABLE 5.4.A INACTIVE PROJECTS

<i>Jurisdiction</i>	<i>County</i>	<i>Hazard of Concern</i>	<i>Project</i>	<i>Status</i>	<i>2017 Status Active/Inactive</i>
Lincoln County	Lincoln County	All Hazards	Develop a database of at risk citizens with health problems (ex: oxygen requirements) that need electricity. Coordinate with American Electric Power Company to service these at risk citizens first after a power outage (2012 Project 9.1.1).	Delete. No activity.	Inactive
Lincoln County	Lincoln County	All Hazards	Develop a network of emergency shelters throughout the county that are strategically located to reach the majority of citizens and are adequately stocked with supplies and encourage these shelter locations to obtain generator power for all hazards. Midway Elementary, Hamlin School, Guyan Valley School, and West Hamlin Volunteer Fire Department should have generators and supplies (2012 Project 9.2.1).	Complete. Some shelters have been established. Generator power is not available at most shelters.	Inactive
Lincoln County	Lincoln County	All Hazards	Seek funding to coordinate with qualified Ham operators to assist in disasters. Make certain that wireless communication is operational for hazard events. Continue to monitor telephone companies for backup generators (2012 Project 10.1.1).	Delete. Not a county responsibility.	Inactive
Lincoln County	Lincoln County	Acts of Violence	Continue to make the public aware of how to prepare for a bomb threat and who to contact if there is a threat by developing and distributing an informational brochure to all governmental, state, and critical facilities describing the proper policies and procedures to be conducted in the event of a bomb threat (2012 Project 11.1.1).	Delete. Under Regional projects.	Inactive
Lincoln County	Lincoln County	Hazmat	Perform commodity flow studies to further assess when, where, and what hazardous materials can pass through and into the county (2012 Project 12.1.1).	Complete. CFS done in 2016.	Inactive
Lincoln County	Lincoln County	Hazmat	Continue to coordinate with local officials and representatives from organizations holding tier II permits to produce a more detailed plan on how to handle spills and evacuation procedures (2012 Project 12.1.2).	Delete. No activity.	Inactive



TABLE 5.4.A INACTIVE PROJECTS

<i>Jurisdiction</i>	<i>County</i>	<i>Hazard of Concern</i>	<i>Project</i>	<i>Status</i>	<i>2017 Status Active/Inactive</i>
Chapmanville	Logan County	Flood	Identify storm water backup areas and determine costs to correct those problems (2012 Project 4.1.1).	Complete	Inactive
Logan	Logan County	Dam Failure	Maintain a small library of dam safety plans submitted by private sector owners of dams (2012 Project 1.1.2)	Delete	Inactive
Logan	Logan County	Flood	Identify storm water backup areas and determine costs to correct those problems (2012 Project 4.1.1).	Complete	Inactive
Logan County	Logan County	Flood	Continue to offer training and public information to residents and businesses to explain the benefits of floodplain development regulations, flood insurance, etc. through insurance providers, lenders, etc. (Revised 2012 Project 4.3.1).	Delete. Under regional projects.	Inactive
Logan County	Logan County	All Hazards	Build partnerships with media providers to ensure the dissemination of early warning information and support municipalities in becoming storm ready through the NWS (Revised 2012 Project 5.1.1).	Delete. Under regional projects.	Inactive
Logan County	Logan County	Acts of Violence	Undertake public awareness campaigns (specifically targeting schools and other critical facilities) to detail how to properly report bomb and other threats of violence (2012 Project 8.1.1).	Delete. Under regional projects. Protocols have been established in all county schools for violent intruder scenarios.	Inactive
Logan County	Logan County	Severe Summer Weather Severe Winter Weather	Coordinate with the National Weather Service (NWS) in Charleston, West Virginia to warn residents of impending severe thunderstorm conditions (2012 Project 9.1.1).	Delete. Under regional projects. There are radios in all critical buildings.	Inactive
Logan County	Logan County	Severe Summer Weather	Provide information on what to do if severe winds or a tornado occur in Logan County. Consider placing this information in public libraries to ensure on-going distribution to the general public (2012 Project 12.1.1).	Delete. Under regional projects.	Inactive



TABLE 5.4.A INACTIVE PROJECTS

<i>Jurisdiction</i>	<i>County</i>	<i>Hazard of Concern</i>	<i>Project</i>	<i>Status</i>	<i>2017 Status Active/Inactive</i>
Logan County	Logan County	Earthquake	Develop an informational brochure explaining the potential for earthquakes as well as the potential damages from those earthquakes. The brochure should include information on measures to take to safe-proof homes and other structures from the potential effects of earthquakes (2012 Project 3.1.1).	Delete. Under regional projects	Inactive
Logan County	Logan County	Severe Winter Weather	Maintain, update, and increase contacts for snow removal in the county (2012 Project 13.1.1).	Delete. Under regional projects.	Inactive
Logan County	Logan County	Dam Failure	Maintain a small library of dam safety plans submitted by private sector owners of dams (2012 Project 1.1.2)	Delete	Inactive
Logan County	Logan County	Land Subsidence	Work with WV Division of Forestry to promote reseeded after lumber extraction projects (2012 Project 7.1.2).	Delete	Inactive
Man	Logan County	Dam Failure	Maintain a small library of dam safety plans submitted by private sector owners of dams (2012 Project 1.1.2)	Delete	Inactive
West Logan	Logan County	Dam Failure	Maintain a small library of dam safety plans submitted by private sector owners of dams (2012 Project 1.1.2)	Delete	Inactive
West Logan	Logan County	All Hazards	Promote any new construction and/or roof remodeling projects to withstand 90 mile per hour wind loads (per building permitting processes) (2012 Project 12.2.1).	Delete	Inactive
Henderson	Mason County	Flood	Support the Town of Henderson's identified Storm water management needs (2012 Project 4.2.1).	Delete. Project unclear.	Inactive
Mason County	Mason County	Flood	Cooperate with state and federal efforts to update flood mapping (otherwise known as the DFIRM project) (2012 Project 4.3.3).	Completed. Map modernization project.	Inactive
Mason County	Mason County	Earthquake	Include earthquake hazard information in periodic public information campaigns (2012 Project 3.1.1).	Delete. Under regional projects	Inactive
Mason County	Mason County	Flood	Continue to train public officials as to the benefit of flood mitigation (2012 Project 4.3.2).	Delete. Under regional projects	Inactive
Mason County	Mason County	Severe Summer Weather	Include hailstorm hazard information in periodic public information campaigns (2012 Project 5.1.1).	Delete. Under regional projects	Inactive



TABLE 5.4.A INACTIVE PROJECTS

<i>Jurisdiction</i>	<i>County</i>	<i>Hazard of Concern</i>	<i>Project</i>	<i>Status</i>	<i>2017 Status Active/Inactive</i>
Mason County	Mason County	Severe Summer Weather	Include thunderstorm hazard information in periodic public information campaigns (2012 Project 9.1.1).	Delete. Under regional projects	Inactive
Mason County	Mason County	Wildfire	Include wildfire hazard information in periodic public information campaigns. Further, consider participating in Smokey the Bear and other public information efforts (2012 Project 11.1.1).	Delete. Under regional projects	Inactive
Mason County	Mason County	Severe Summer Weather	Include wind hazard information in periodic public information campaigns (2012 Project 12.1.1).	Delete. Under regional projects	Inactive
Delbarton	Mingo County	Flood	Continue to provide training, technical assistance, education, and outreach opportunities for Mingo County, its municipalities and its citizenry in support of the National Flood Insurance Program and their local floodplain ordinances and floodplain management responsibilities (2012 Project 1.3.1).	Delete. Under regional projects.	Inactive
Matewan	Mingo County	Severe Summer Weather	Update and distribute an informational brochure describing the proper safety procedures to carry out during a severe thunderstorm (2012 Project 3.1.1).	Delete. Under regional projects.	Inactive
Mingo County	Mingo County	All Hazards	Provide information to the leaders in Mingo County about federal and state agency's pro-active programs in order to promote a safer Mingo County (2012 Project 1.4.1).	Delete. Under regional projects.	Inactive
Mingo County	Mingo County	All Hazards	Maximize use of WARN system (2012 Project 6.1.1).	Delete. Similar to Project 4.1.1	Inactive
Mingo County	Mingo County	Wildfire	Continue distributing information concerning the leading causes of wildfires and steps the general public can take to avoid starting wildfires (2012 Project 8.1.1).	Delete. Under regional projects.	Inactive
Mingo County	Mingo County	All Hazards	Provide information to the citizens of Mingo County identifying where shelter is provided during extended utility outages (Project 10.1.1).	Delete. Under regional projects.	Inactive



TABLE 5.4.A INACTIVE PROJECTS

<i>Jurisdiction</i>	<i>County</i>	<i>Hazard of Concern</i>	<i>Project</i>	<i>Status</i>	<i>2017 Status Active/Inactive</i>
Mingo County	Mingo County	Acts of Violence	Make the public aware of how to prepare for a bomb threat and who to contact if there is a threat (2012 Project 12.1.1)	Delete. Under regional projects.	Inactive
Mingo County	Mingo County	Hazmat	Make the public aware of hazardous materials and what they can do if they spill, and evacuation plans for citizens of Mingo County. Continue to support training for First Responders (2012 Project 13.1.1).	Delete. Under regional projects.	Inactive
Mingo County	Mingo County	All Hazards	Continue to maintain mutual aid agreements with Logan and Boone Counties (2012 Project 13.1.2).	Delete. Under regional projects.	Inactive
Mingo County	Mingo County	Severe Winter Weather	Maintain agreements with surrounding counties for help with snow removal (2012 Project 2.1.1).	Delete. Under regional projects.	Inactive
Mingo County	Mingo County	Flood	Promote the purchasing of flood insurance through public education of where flood prone areas are located (2012 Project 1.3.3).	Delete. Under regional projects.	Inactive
Ceredo	Wayne County	Flood	Continue to provide training, technical assistance, education, and outreach opportunities for Wayne County, its municipalities and its citizenry in support of the National Flood Insurance Program and their local floodplain ordinances and floodplain management responsibilities (2012 Project 1.3.1).	Delete. Under regional projects	Inactive
Wayne	Wayne County	Severe Summer Weather	Update and distribute an informational brochure describing the proper safety procedures to carry out during a severe thunderstorm (2012 Project 3.1.1).	Delete. Under regional projects	Inactive
Wayne County	Wayne County	Severe Winter Weather	Maintain agreements with surrounding counties for help with snow removal (2012 Project 2.1.1).	Delete. Under regional projects	Inactive
Wayne County	Wayne County	Flood	Promote the purchasing of flood insurance through public education of where flood prone areas are located (2012 Project 1.3.3).	Delete. Under regional projects	Inactive
Wayne County	Wayne County	All Hazards	Provide information to the leaders in Wayne County about federal and state agency's pro-active programs in order to promote a safer Wayne County (2012 Project 1.4.1).	Delete. Under regional projects	Inactive
Wayne County	Wayne County	All Hazards	Maximize use of WARN system (2012 Project 6.1.1).	Delete. Similar to project	Inactive



TABLE 5.4.A INACTIVE PROJECTS

<i>Jurisdiction</i>	<i>County</i>	<i>Hazard of Concern</i>	<i>Project</i>	<i>Status</i>	<i>2017 Status Active/Inactive</i>
				4.1.1	
Wayne County	Wayne County	Wildfire	Continue distributing information concerning the leading causes of wildfires and steps the general public can take to avoid starting wildfires (2012 Project 8.1.1).	Delete. Under regional projects.	Inactive
Wayne County	Wayne County	All Hazards	Provide information to the citizens of Wayne County identifying where shelter is provided during extended utility outages (2012 Project 10.1.1).	Delete. Under regional projects	Inactive
Wayne County	Wayne County	Acts of Violence	Make the public aware of how to prepare for a bomb threat and who to contact if there is a threat (2012 Project 12.1.1).	Delete. Under regional projects	Inactive
Wayne County	Wayne County	Hazmat	Make the public aware of hazardous materials and what they can do if they spill, and evacuation plans for citizens of Wayne County. Continue to support training for First Responders (2012 Project 13.1.1).	Delete. Under regional projects	Inactive
Wayne County	Wayne County	All Hazards	Continue to maintain mutual aid agreements with Logan and Boone Counties (2012 Project 13.1.2).	Delete. Under regional projects	Inactive

APPENDIX 5 CITATIONS

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APPENDIX 6
RESOLUTIONS

